



Narodowe Centrum
Badań i Rozwoju



Krajowy Punkt Kontaktowy
PROGRAMÓW BADAWCZYCH UE



Dokumentacja konkursowa, a wniosek projektowy w Horyzoncie Europa

Warszawa | 18.02.2022 r.

Szkolenie on-line 17 lutego 2022 r. 10:00 – 14:30

Dokumentacja konkursowa, a wniosek projektowy w Horyzoncie Europa

Na co zwrócić uwagę przygotowując wniosek projektowy w Horyzoncie Europa?

10:00 – 11:00 1. Excellence – Doskonałość naukowa

11:00 – 11:10 Przerwa

11:10 – 12:15 2. Impact – Oddziaływanie/Wpływ

12:15 – 12:30 Przerwa

12:30 – 13:30 3. Quality and efficiency of the implementation

Jakość i efektywność zarządzania

13:30 – 14:30 Pytania i odpowiedzi

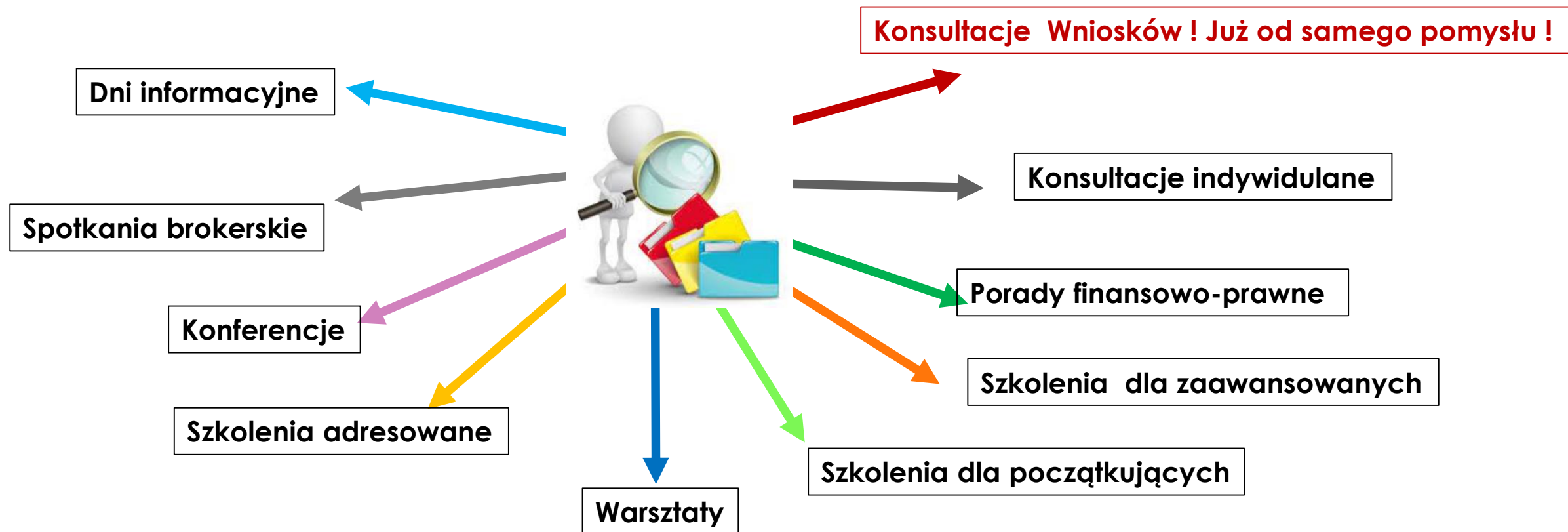


Kim jesteśmy? Agencja wykonawcza Ministra Edukacji i Nauki

- Celem jest łączenie świata nauki i biznesu poprzez współfinansowanie **projektów B+R**; Wspieranie finansowe **innowacyjnych pomysłów** drzemiących wśród polskich przedsiębiorców i naukowców;
- Realizacja zadań służących **społecznemu i gospodarczemu rozwojowi Polski** oraz rozwiązywanie konkretnych problemów cywilizacyjnych; **Instytucja Pośrednicząca** w Programach Operacyjnych: Inteligentny Rozwój oraz Wiedza Edukacja Rozwój;
- w latach 2008-2020 przeznaczaliśmy ponad 66 mld PLN na wsparcie prac B+R polskich przedsiębiorstw, uczelni oraz instytutów badawczych zachęcając zarówno doświadczonych jak i rozpoczynających działalność przedsiębiorców i naukowców do podjęcia prac nad innowacjami;
- **750 mld PLN dla Polski** w ramach Wieloletnich Ram Finansowych i Europejskiego Instrumentu na rzecz Odbudowy; ponad 6 mld PLN rocznie na finansowanie B+R; **73 konkursy w 2020 roku**; [konkursy 2021](#);
- **Nowa strategia: Biuro NCBR w Brukseli, Synergia działań NCBR + KPK**;
- **NCBR członkiem Business & Science Poland**;
- **Współpraca z partnerami:** NCN, ARP, KGHM, NFOŚiGW, GDDKiA, konsorcja i partnerstwa;
- **12 porozumień międzynarodowych:** Singapur, Tajwan, RPA, Izrael, państwa EU;



Krajowy Punkt Kontaktowy do Horyzontu Europa (HE)



↪ **Krajowy Punkt Kontaktowy Programów Badawczych UE działa od 1999 r.** na rzecz programów ramowych w Polsce, od listopada 2020 roku jesteśmy działem Biura Współpracy Międzynarodowej (BWM) w NCBR.

Krajowy Punkt Kontaktowy do Horyzontu Europa

The screenshot shows the website <https://www.kpk.gov.pl/> with the following navigation menu: O NAS, HORYZONT EUROPA, JAK UCZESTNICZYĆ, KONKURSY, POSZUKIWANIE PARTNERÓW, and INNE PROGRAMY. The main content area features a banner for 'Konkursy 2022 w obszarze Przestrzeń kosmiczna w ramach klastra 4 otwarte' and a sidebar with 'ROZWÓJ KADR' and 'granty dla małych i średnich przedsiębiorstw, współpraca nauki z przemysłem'.

<https://www.kpk.gov.pl/>

- ↪ Eksperci KPK
<https://www.kpk.gov.pl/o-nas/eksperci>
- ↪ Horyzontalne Punkty Kontaktowe
- ↪ Logotypy KPK
- ↪ Kontakt

- ↪ Znajdź swój obszar
- ↪ Misje UE
- ↪ Partnerstwa europejskie
- ↪ Budżet Horyzontu Europa
- ↪ Open Research Europe
- ↪ Zostań Ekspertem KE
- ↪ Aktualności


- ↪ Horyzont Europa (HE) dla początkujących
- ↪ Słownik pojęć używanych w HE
- ↪ Regulamin konsultacji wniosków
- ↪ Nasze szkolenia

- ↪ Wyszukiwarki partnerów
- ↪ Spotkania brokerskie

Struktura wniosku projektowego w Horyzoncie Europa

<p>Część administracyjna A <i>Administrative proposal forms (Part A)</i></p>	<p>Część merytoryczna B Proposal template Part B: technical description</p>
<p>1. General information</p> <p>2. Participants & contacts</p> <p>3. Budget</p> <p>4. Ethics and security</p> <p>5. Other questions</p>	<p>1. Excellence</p> <p>2. Impact</p> <p>3. Quality and efficiency of implementation</p>

Typ projektu	1. Excellence	2. Impact	3. Quality and efficiency of implementation
<p>Research and Innovation Actions (RIA)</p> <p>Innovation Actions (IA)</p>	<p>1.1. Objectives and ambition</p> <p>1.2 Methodology</p>	<p>2.1 Project's pathways towards</p> <p>2.2 Measures to maximise impact - Dissemination, exploitation and communication</p> <p>2.3 Summary</p>	<p>3.1 Work plan and resources</p> <p>3.2 Capacity of participants and consortium as a whole</p>
<p>Coordination and Support Actions (CSA)</p>	<p>1.1. Objectives</p> <p>1.2 Methodology</p>	<p>2.1 Project's pathways towards</p> <p>2.2 Measures to maximise impact - Dissemination, exploitation and communication</p> <p>2.3 Summary</p>	<p>3.1 Work plan and resources</p> <p>3.2 Capacity of participants and consortium as a whole</p>

Wybrane konkursy: Filar III	1. Excellence	2. Impact	3. Quality and efficiency of implementation
EIC Pathfinder Open	<p>1.1 Long-term vision</p> <p>1.2 Science-towards-technology breakthrough</p> <p>1.3 Objectives</p> <p>1.4 Interdisciplinarity</p> 	<p>2.1 Innovation potential</p> <p>2.2 Communication and Dissemination</p> <p>(exploitation – też jest w ogólnym planie upowszechnienia, wykorzystania i promocji)</p>	<p>3.1 Consortium</p> <p>3.2 Work plan and resources</p>
EIC Pathfinder Challenges	<p>1.1 Relevance to the Challenge</p> <p>1.2 Novelty</p> <p>1.3 Plausibility of methodology</p>	<p>2.1. Potential impact</p> <p>2.2 Innovation potential</p> <p>2.3 Communication and Dissemination</p> <p>(exploitation – też jest w ogólnym planie upowszechnienia, wykorzystania i promocji)</p>	<p>3.1 Consortium</p> <p>3.2 Work plan and resources</p>

Przykład: limity stron szablon wniosku część B/ Proposal template Part B: technical description

	Obszary tematyczne	Limit stron
Research and Innovation Actions (RIA)	FILAR I <i>Research Infrastructure</i> FILAR II Klastry tematyczne	↔ do 45
	FILAR III <i>EIC Pathfinder Open</i>	↔ do 17
	FILAR III <i>EIC Pathfinder Challenges</i>	↔ do 25
Innovation Actions (IA)	FILAR II Klastry tematyczne	↔ do 45
Coordination and Support Actions (CSA)	Szersze uczestnictwo i wzmacnianie Europejskiej Przestrzeni Badawczej Filar II Klastry tematyczne Filar III Europejskie Ekosystemy Innowacji	↔ do 30

Mam temat i co dalej ?

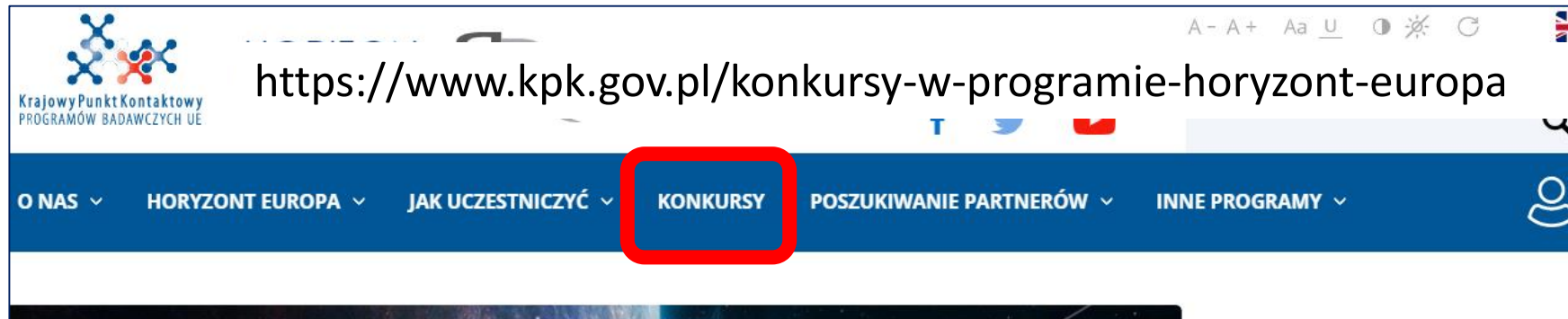


Newsletter

TOPIC ID: HORIZON-CL6-2022-CIRCBIO-02-04-two-stage

Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application

Krajowy Punkt Kontaktowy ds. Horyzontu Europa (HE) - KONKURSY



Konkursy w programie Horyzont Europa			Filar1			Filar2					Filar3		Widening	Misje UE	
Zakończone	Otwarte	Nadchodzące	ERC	MSCA	INFRA	HLTH	Cluster 2	Cluster 3	Cluster 4	Cluster 5	Cluster 6	EIC	EIE	ERA	

Open

RIA

Photosynthesis revisited: climate emergency, "no pollution and zero-emission" challenge and industrial application

- 2022-02-15
- 2022-09-01

Konkursy 2022 w obszarze Przestrzeń kosmiczna w ramach klastra 4 otwarte

Fot. Pixabay.com



INNE INSTYTUCJE

granty dla podmiotów niebędących przedsiębiorcami

Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application

TOPIC ID: HORIZON-CL6-2022-CIRCBIO-02-04-two-stage

Grant

General information	General information		
Topic description	Programme Horizon Europe Framework Programme (HORIZON)		
Destination	Call <u>Circular economy and bioeconomy sectors (HORIZON-CL6-2022-CIRCBIO-02-two-stage)</u>		
Conditions and documents	See budget overview		
Partner search			
Submission service	Type of action HORIZON-RIA HORIZON Research and Innovation Actions	Type of MGA HORIZON Action Grant Budget-Based [HORIZON-AG]	Open for submission
Topic related FAQ	Deadline model two-stage	Opening date 28 October 2021	Deadline dates 15 February 2022 17:00:00 Brussels time 01 September 2022 17:00:00 Brussels time
Get support			
Call updates			

Wybrane typy projektów w Horyzoncie Europa; *Activities eligible for funding – Type of actions*

Research and innovation action (RIA)

- ↪ działania, które mają na celu przede wszystkim tworzenie nowej wiedzy lub zbadanie wykonalności nowej lub ulepszonej technologii, produktu, procesu, usługi rozwiązania;
 - ↪ obejmują badania podstawowe i stosowane, testowanie, demonstracje i walidacje prototypu na małą skalę w laboratorium lub w symulowanym środowisku naturalnym;
 - ↪ **dofinansowane do 100% kosztów kwalifikowalnych dla wszystkich typów jednostek;**
-

Innovation action (IA)

- ↪ działania, które mają na celu bezpośrednio tworzenie planów nowych lub, zmienionych / ulepszonych produktów, procesów lub usług;
- ↪ obejmują prototypowanie, testowanie, demonstrowanie, pilotaż, walidację produktów na dużą skalę;
- ↪ działania badawcze nie mogą być głównym działaniem w tego typu projektach;
- ↪ **dofinansowane do 70% kosztów kwalifikowalnych dla jednostek przemysłowych; do 100% kosztów kwalifikowalnych dla jednostek „non-profit”;**

Wybrane typy projektów w Horyzoncie Europa; *Activities eligible for funding – Type of actions*



Coordination
and support
actions
(CSA)

- ↪ realizowane **przez co najmniej jedną jednostkę**;
- ↪ działania koordynacyjne promujące współpracę między podmiotami w celu wzmocnienia Europejskiej Przestrzeni Badawczej, działania polegające na rozpowszechnieniu informacji, wymianie doświadczeń, dobrych praktyk, wsparciem polityki UE; **nie finansujące działań badawczych, wyjątek Szersze uczestnictwo i wzmocnianie Europejskiej Przestrzeni Badawczej**;
- ↪ dofinansowane do 100% kosztów kwalifikowalnych dla wszystkich typów jednostek;

Horizon Europe -Work Programme 2021-2022 General Annexes

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-13-general-annexes_horizon-2021-2022_en.pdf

Research and innovation action i Innovation action Konsorcjum międzynarodowe w Horyzoncie Europa

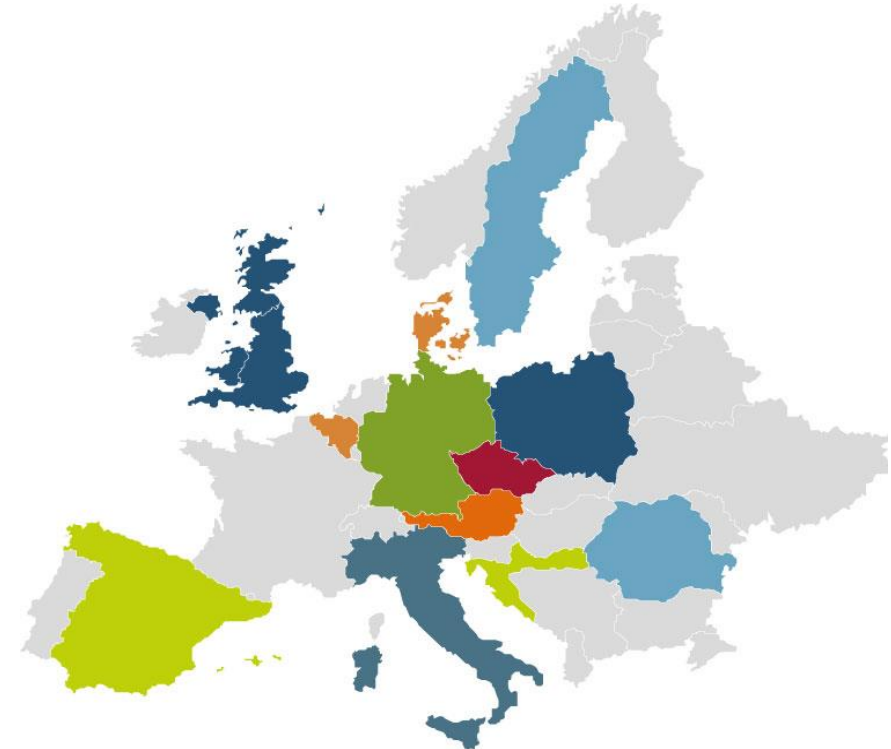
↪ projekty realizowane przez konsorcja międzynarodowe złożone z **co najmniej 3** partnerów z 3 różnych niezależnych o siebie jednostek (**w tym przynajmniej jedna jednostka z kraju członkowskiego *Member State***) z 3 różnych państw członkowskich (*Member State*) UE i/lub państw stowarzyszonych z Horyzontem Europa *Third countries associated to Horizon Europe*



Przykład - konsorcjum międzynarodowe w Horyzoncie Europa

Czy minimalny skład konsorcjum spełnia kryteria formalne?

Participant No. *	Participant organisation name	Country
1 (Coordinator)	Uczelnia Wyższa	Polska
2	Małe Średnie Przedsiębiorstwo	Serbia
3	Fundacja	Montenegro
...		



Mam temat i co dalej ?



Newsletter

Temat fotosyntezy w Horyzoncie Europa:

TOPIC ID: HORIZON-CL6-2022-CIRCBIO-02-04 *two-stage*

Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application

Konkurs „two-stage”, a „single-stage”

Konkurs <i>single – stage</i>	Konkurs <i>two – stage</i>
<p>1. Excellence</p> <p>2. Impact</p> <p>3. Quality and efficiency of implementation</p> <div data-bbox="198 929 894 1125" style="background-color: #00728f; color: white; padding: 10px; border-radius: 15px; margin-top: 20px;"> <p>↪ RIA i IA; limit do 45 stron;</p> <p>↪ CSA; limit do 30 stron;</p> </div>	<p>I etap</p> <p>1. Excellence</p> <p>2. Impact</p> <div data-bbox="1447 701 2193 825" style="background-color: #00728f; color: white; padding: 10px; border-radius: 15px; margin-top: 10px;"> <p>↪ RIA, IA, CSA; limit do 10 stron;</p> </div> <hr style="border: 2px solid #ff0000; margin: 10px 0;"/> <p>II etap</p> <p>1. Excellence</p> <p>2. Impact</p> <p>3. Quality and efficiency of implementation</p> <div data-bbox="1582 925 2244 1115" style="background-color: #00728f; color: white; padding: 10px; border-radius: 15px; margin-top: 10px;"> <p>↪ RIA i IA; limit do 45 stron;</p> <p>↪ CSA; limit do 30 stron;</p> </div>

Portal Funding & tender opportunities

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

European Commission | Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

English EN

Register Login

SEARCH FUNDING & TENDERS ▼ HOW TO PARTICIPATE ▼ PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT ▼

Search funding & tenders
Funding updates
Archived funding (FP7-CIP)

Key steps
Reference documents
Participant register
Partner search

Support overview
Guidance & Manuals
FAQ
Helpdesk & Support Services

H2020 and FP7 projects

CORDIS - Community Research and Development Information Service:

<https://cordis.europa.eu/en>

Od czego zacząć przygotowując wniosek?

- 👉 zacznij wcześniej ... czyli dziś;
- 👉 **Przeczytaj dokumenty konkursowe zdanie po zdaniu – nie idź na skróty!**
- 👉 Jaki problem rozwiąże? Czy pomysł **ma wymiar europejski**, czy można go rozwiązać na szczeblu krajowym?
- 👉 Czy rozwiązanie jest już dostępne? **Kto i dlaczego** będzie zainteresowany **rezultatami projektu**?
- 👉 Projekt w konsorcjum czy indywidualnie? **Koordinator czy Partner**?
- 👉 Czy mam **wsparcie** swojej jednostki? (ludzie, finanse, infrastruktura)
- 👉 **projekt dla jednostki, a nie jednostka dla projektu !**
- 👉 odniesienie do Strategii Partnerstw Europejskich;
- 👉 przejrzyj zrealizowane projekty w tematyce przygotowywanego wniosku: CORDIS: <https://cordis.europa.eu/projects/en>
- 👉 **NIE CZEKAJ! Skonsultuj pomysł już na samym początku z Ekspertami KPK!**



Przykład: Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application na portalu Funding & tender opportunities

on

Grant

General information

Topic description

Destination

Conditions and documents

Partner search

Submission service

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Expected Outcome:

The successful proposal will contribute to Destination ‘Circular economy and bioeconomy sectors’ impacts, and the European policies it supports, in particular the European Green Deal, the circular economy action plan...

Scope:

The photosynthetic capacity of plants, algae and other photosynthetic organisms to assimilate atmospheric carbon dioxide positions them at the centre of the global climate change adaptation and mitigation challenge. Their autotrophic lifestyle also makes them ideal platform organisms for sustainable production of biomolecules, including molecules of high socio-economic value, of interest to diverse industrial sectors, by increasingly sophisticated synthetic and molecular biology approaches...

Specific Topic Conditions:

Activities are expected to achieve TRL 4-5 by the end of the project – see General Annex B.

Cross-cutting Priorities:

International Cooperation ...

Przykład: Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application na portalu Funding & tender opportunities

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Circular economy and bioeconomy sectors

This destination and its topics target climate-neutral **circular and bioeconomy transitions**, covering safe **integrated circular solutions at territorial and sectoral levels**, for important material flows and product value chains, such as the textile, electronics, plastics and construction sectors, as well as **key bioeconomy sectors** such as **sustainable bio-based systems, sustainable forestry, small-scale rural bio-based solutions**, and **aquatic value chains**. With this approach, the destination supports the European Green Deal, and other European initiatives such as the Industrial Strategy, SME Strategy, Circular Economy Action Plan, Bioeconomy Strategy, Biodiversity Strategy, Farm to Fork Strategy, Textile Strategy, Plastics Strategy, the Action Plan on Critical Raw Materials, and the Forest Strategy...

Expected impacts

Proposals for topics under this destination should set out a credible pathway to developing circular economy and bioeconomy sectors, achieving sustainable and circular management and use of natural resources, as well as prevention and removal of pollution, unlocking the full potential and benefits of the circular economy and the bioeconomy, ensuring competitiveness and guaranteeing healthy soil, air, fresh and marine water for all, through better understanding of planetary boundaries and wide deployment and market uptake of innovative technologies and other solutions, notably in primary production (forestry) and bio-based systems....

Photosynthesis revisited:

TOPIC ID: HORIZON-CL6-2022-CIF

Grant

General information

Topic description

Destination

Conditions and documents

Partner search

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Topic related FAQ

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Call updates

1. **Admissibility conditions:** described in [Annex A](#) and [Annex E](#) of the Horizon Europe Work Programme General Annexes
 - Proposal page limits and layout:** described in Part B of the Application Form available in the Submission System
2. **Eligible countries:** described in [Annex B](#) of the Work Programme General Annexes... [Horizon Europe Programme Guide](#).
3. **Other eligibility conditions:** described in [Annex B](#) of the Work Programme General Annexes
4. **Financial and operational capacity and exclusion:** described in [Annex C](#) of the Work Programme General Annexes
5. **Evaluation and award:...**
6. **Legal and financial set-up of the grants:** described in [Annex G](#) of the Work Programme General Annexes
7. **Specific conditions:** described in the [specific topic of the Work Programme]

Call documents:

Standard application form — *call-specific application form is available in the Submission System*

[Standard application form \(HE RIA, IA\)](#)

Standard evaluation form — *will be used with the necessary adaptations*

[Standard evaluation form \(HE RIA, IA\)](#)

MGA

[HE General MGA v1.0 ...](#)

Przykład: Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application na portalu Funding & tender opportunities

TOPIC ID: HORIZON-CL6-2022-CIRCBIO-02-04-two-stage

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Organisations are looking for collaborating partners for this topic

[View / Edit](#)

LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics after logging into this Portal.

[Circular economy and bioeconomy sectors \(HORIZON-CL6-2022-CIRCBIO-02-two-stage\)](#)

[See budget overview](#)

Start submission

To access the Electronic Submission Service, please click on the submission-button next to the **type of action** and the **type of model grant agreement** that corresponds to your proposal. You will then be asked to confirm your choice, as it cannot be changed in the submission system. Upon confirmation, you will be linked to the correct entry point.

To access existing draft proposals for this topic, please login to the Funding & Tenders Portal and select the My Proposals page of the My Area section.

Please select the type of your submission:

HORIZON Research and Innovation Actions [HORIZON-RIA], HORIZON Action Grant Budget-Based [HORIZON-AG]

[Start submission](#)

Dokumentacja konkursowa w Horyzoncie Europa





Key steps

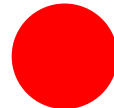
Reference documents

Participant register

Partner search



Legislation



Work programme & call documents



Grant agreements and contracts



Guidance



Templates & forms



Funding & Tenders Portal

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents;programCode=HORIZON>

+ Legislation

● Work programme & call documents

+ Grant agreements and contracts

+ Guidance

+ Templates & forms

+ Funding & Tenders Portal

1. General introduction v3.0
 2. Marie Skłodowska-Curie Actions v1.0
 3. Research Infrastructures v3.0
 4. Health v3.0
 5. Culture, creativity and inclusive society v2.0
 6. Civil Security for Society v2.0
 7. Digital, Industry and Space v4.0
 8. Climate, Energy and Mobility v3.0
 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment v2.0
 10. European Innovation Ecosystems (EIE) v1.0
 11. Widening participation and strengthening the European Research Area v2.0
 12. Missions v2.0
 13. General Annexes v1.0
- EIC Work Programme 2021
ERC Work Programme 2021
ERC Work Programme 2022



Przykład - Program Pracy KLASTER 6 Żywność, biogospodarka, zasoby naturalne, rolnictwo i środowisko; Food, Bioeconomy, Natural Resources, Agriculture and Environment

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Przykład: Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application

<i>Specific conditions</i>	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of around EUR 6.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 6.00 million.
<i>Type of Action</i>	Research and Innovation Actions
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 4-5 by the end of the project – see General Annex B.
<p><u>Expected Outcome:</u> The successful proposal will contribute to Destination ‘Circular economy and bioeconomy sectors’ impacts, and the European policies it supports, in particular the European Green Deal, the circular economy action plan and the bioeconomy strategy...</p> <p><u>Scope:</u> The photosynthetic capacity of plants, algae and other photosynthetic organisms to assimilate atmospheric carbon dioxide positions...</p>	



Key steps

Reference documents

Participant register

Partner search

- + Legislation
- + Work programme & call documents
- + Grant agreements and contracts
- + Guidance
- + Templates & forms
- + Funding & Tenders Portal

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents;programCode=HORIZON>

Guidance

- ↗ [HE Programme Guide](#)
- ↗ [List of eligible countries \(HE\)](#)
- ↗ [Online Manual](#)
- ↗ [Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment](#)
- ↗ Amendment Guide
- ↗ [AGA- Annotated Grant Agreement](#)
- ↗ Indicative Audit Programme (IAP)
- ↗ Rules for Grant Reductions
- ↗ Rules for Arbitration



↗ Guidance Social media guide for EU funded R&I projects:

http://ec.europa.eu/research/participants/data/ref/h2020/other/grants_manual/amga/soc-med-guide_en.pdf

Na co zwrócić uwagę w dokumentacji konkursowej ?

👉 Przykład 1: Program Pracy [KLASTER 2](#)

HORIZON-CL2-2022-DEMOCRACY-01-02: The future of democracy and civic participation

„ ... It is **strongly encouraged** to cover different scales of participation, from local to national, European and even global...”

HORIZON-CL2-2022-DEMOCRACY-01-03: The impact of inequalities on democracy

„...Active involvement of citizens and socially innovative approaches are **strongly encouraged**...”

👉 Przykład 2: „...The participation of SMEs is **strongly encouraged**....”

👉 Przykład 3: „... organisations from at least 2 different non-EU countries is **strongly encouraged**...”








👉 Przykład 3: „ ...Beneficiaries are **strongly encouraged** to consider the use of this free Platform to their own benefit, at any stage of the project, during as well as after the end of the project, provided they have key exploitable results...” ;

AGA — Annotated Model Grant Agreement:

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf

Key steps

Reference documents

-  Templates & forms
-  Application forms
-  Evaluation forms
-  Validation and LEAR appointment
-  Grant agreement preparation temp
-  Project reporting templates
-  Funding & Tenders Portal

- [Standard application form \(HE RIA IA\)](#)
- [Standard application form \(HE RIA IA Stage 1\)](#)
- [Standard application form \(HE CSA\)](#)
- [Standard application form \(HE CSA Stage 1\)](#)
- [Standard application form \(HE Research Infrastructure\)](#)
- ...
- [Standard application form \(HE ERC STG\)](#)
- [Standard application form \(HE ERC COG\)](#)
- [Standard application form \(HE ERC ADG\)](#)
- [Standard application form \(HE ERC SYG\)](#)
- [Standard application form \(HE ERC POC\)](#)
- [Standard application form \(HE EIC Pathfinder Open\)](#)
- [Standard application form \(HE EIC Pathfinder Challenges\)](#)
- [Standard application form \(HE EIC Transition\)](#)
- Standard application form (HE EIC Accelerator)
- ...

„Forthcoming”

Grant	Smarter buildings for better energy performance		
Forthcoming	<u>TOPIC ID: HORIZON-CL5-2022-D4-01-03</u>		
Programme	Horizon Europe (HORIZON)	Deadline model	single-stage
ID	HORIZON-CL5-2022-D4-01-03	Opening date	28 April 2022
Types of action	HORIZON Innovation Actions	Deadline date	06 September 2022 17:00:00 Brussels time

Start submission

The submission system is planned to be opened on the date stated on the topic header.

„**Open for submission**”

Odowiedni szablon wniosku *Research proposal (Part B)* dla konkretnego tematu !!!!

Grant

Advanced lightweight materials for energy efficient structures (RIA)

[TOPIC ID: HORIZON-CL4-2022-RESILIENCE-01-11](#)

Open for submission

Programme	Horizon Europe (HORIZON)	Deadline model	single-stage
ID	HORIZON-CL4-2022-RESILIENCE-01-11	Opening date	12 October 2021
Types of action	HORIZON Research and Innovation Actions	Deadline date	30 March 2022 17:00:00 Brussels time

Start submission

To access the Electronic Submission Service, please click on the submission-button next to the **type of action** and the **type of model grant agreement** that corresponds to your proposal. You will then be asked to confirm your choice, as it cannot be changed in the submission system. Upon confirmation, you will be linked to the correct entry point.

To access existing draft proposals for this topic, please login to the Funding & Tenders Portal and select the My Proposals page of the My Area section.

Please select the type of your submission:

HORIZON Research and Innovation Actions [HORIZON-RIA], HORIZON Action Grant Budget-Based [HORIZON-AG]

Start submission

Przykład: Odpowiedni szablon wniosku *Research proposal (Part B)* dla konkretnego tematu !!!!

Create proposal

Deadline
30 March 2022 17:00:00 Brussels Local Time

Call data:
Call: **HORIZON-CL4-2022-RESILIENCE-01**
Topic: **HORIZON-CL4-2022-RESILIENCE-01-11**
Type of action: **HORIZON-RIA**
Type of MGA: **HORIZON-AG**

Find your organisation
PIC Short name
Search for your organisation
Organisations you have been previously associated with. (Click to select)

PIC: 999519720 NCBR UL. NOWOGRODZKA 47A WARSZAWA, PL	PIC: 999454439 IPPT PAN Adolfa Pawinskiego 5B WARSAW, PL NAT: PL5250008979	PIC: 996314743 UKSW ULICA DEWAJTIS 5 WARSZAWA, PL VAT: PL5250012946
--	---	--

Download Part B templates
Download part B templates
Tpl_Application Form (Part B) (HE RIA and IA)

Please submit your proposal at the latest **48 hours before the deadline** (to avoid system congestion or system incompatibility issues). Late proposals will not be accepted. Don't wait until the end because you are worried about confidentiality – we will not open the proposals before the deadline. You can submit the proposal as many times as you wish up until the deadline. Each new submitted version will replace the previous one.

Topic and type of action can only be changed by creating a new proposal.

Przykład: Odpowiedni szablon wniosku *Research proposal (Part B)* dla konkretnego tematu !!!!

Deadline
23 November 2021 17:00:00 Brussels Local Time

Call data:
Call: **HORIZON-CL3-2021-FCT-01**
Topic: **HORIZON-CL3-2021-FCT-01-01**
Type of action: **HORIZON-IA**
Type of MGA: **HORIZON-AG**

Proposal data:
Acronym: **Test**
Draft ID: **SEP-210794301**

Download Part B templates
[Download part B templates](#)

Administrative forms
[Edit forms](#) [View history](#) [Print preview](#)

Part B and Annexes
In this section you may upload the technical annex of the proposal (in PDF format only) and any other requested attachments.

Part B		Upload
Security		Upload
Security-Eligibility Conditions		Upload

[GO TO PARTICIPANTS LIST](#) [VALIDATE](#) [SUBMIT](#)

Topic and type of action can only be changed by creating a new proposal.

Tpl_Annex Application Form (Security - Eligibility conditions) (HE)
Tpl_Application Form (Part B Security) (HE)
Tpl_Application Form (Part B) (HE RIA and IA)

Information: In this step you can edit the Administrative Forms and upload the proposal itself.

Error: Your proposal contains changes that have not yet been submitted.

Przykład: Odpowiedni szablon wniosku *Research proposal (Part B)* dla konkretnego tematu !!!!

Deadline
16 February 2022 17:00:00 Brussels Local Time

Closing today at 17:00:00

Call data:

Call: HORIZON-CL4-2021-SPACE-01

Topic: HORIZON-CL4-2021-SPACE-01-43

Type of action: HORIZON-RIA

Type of MGA: HORIZON-AG



Topic and type of action can only be changed by creating a new proposal.

Proposal data:

Acronym: t

Draft ID: SEP-210838567

[Download Part B templates](#)



In this step you can edit the Administrative Forms and upload the proposal itself. ?



Your proposal contains changes that have not yet been submitted.

Administrative forms (Part A)

[Edit forms](#)

[View history](#)

[Print preview](#)



Part B and Annexes

In this section you may upload the technical annex of the proposal (in PDF format only) and any other requested attachments. ?

Part B



Tpl_Application Form (Part B) (HE RIA ...



[Upload](#)



Ownership and control assessment



ownership-control-questionnaire_hori...



[Upload](#)



Other Annexes



[Upload](#)



ownership-control-questionnaire_hori...



Tpl_Application Form (Part B) (HE RIA ...

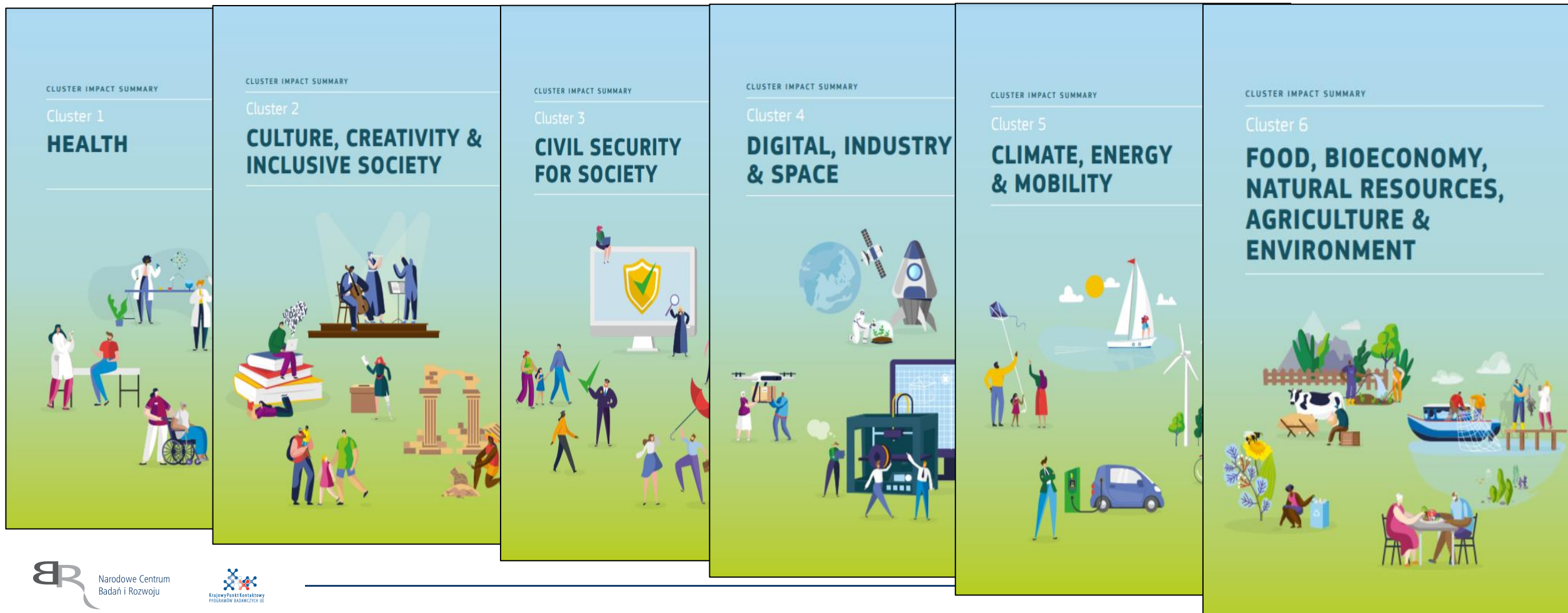
[← BACK TO PARTICIPANTS LIST](#)

[VALIDATE](#)

[SUBMIT](#)

HORIZON EUROPE STRATEGIC PLAN 2021 – 2024

https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/ec_rtd_horizon-europe-strategic-plan-2021-24.pdf



Ocena merytoryczna wniosków w Horyzoncie Europa

	<input checked="" type="checkbox"/>	<u>Excellent</u>
	<input type="checkbox"/>	<u>Average</u>
	<input type="checkbox"/>	<u>Poor</u>



Key steps

Reference documents

Participant register

Partner search



Legislation



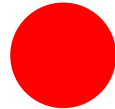
Work programme & call documents



Grant agreements and



Guidance



Templates & forms



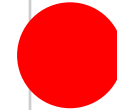
Funding & Tenders Po



Templates & forms



Application forms



Evaluation forms



Validation and LEAR appointment forms



Grant agreement preparation templates



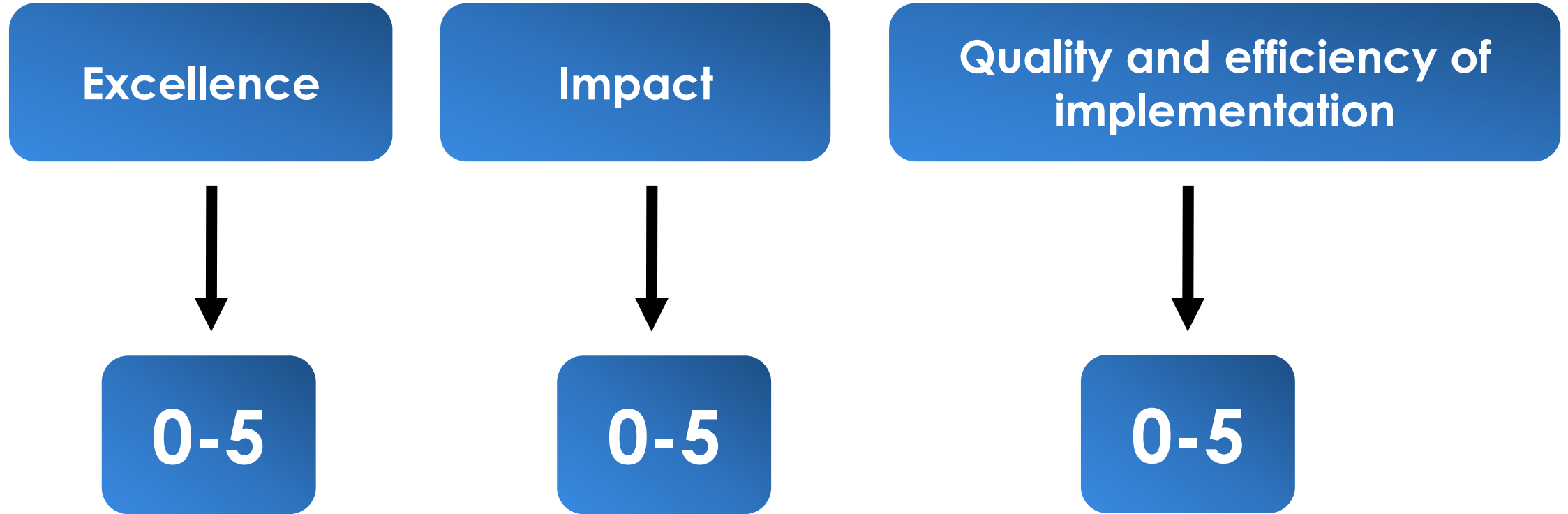
Project reporting templates



<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents;programCode=HORIZON>

General Annexes: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-13-general-annexes_horizon-2021-2022_en.pdf

Ocena merytoryczna wniosku projektowego – kryteria oceny merytorycznej (RIA, IA)



⚡ Nie ma domysłów – oceniane jest to co zostało zapisane we wniosku !

Ocena merytoryczna - wnioski o tej samej ilości punktów

	Wniosek 1	Wniosek 2	Wniosek 3
<i>Excellence</i>	5	5	4
<i>Impact</i>	4	5	5
<i>Implementation</i>	5	4	5
	14	14	14

Ocena merytoryczna - wnioski o tej samej ilości punktów

„...”

- 1) Proposals that address aspects of the call that have not otherwise been covered by more highly ranked proposals will be considered to have the highest priority.
- 2) The proposals identified under 1), if any, will themselves be prioritised according to the scores they have been awarded for ‘**Excellence**’. When these scores are equal, priority will be based on scores for ‘**Impact**’. In the case of ‘*Innovation actions*’, priority will be given to the score for ‘**Impact**’, followed by that for ‘**Excellence**’.
- 3) If necessary, **the gender balance among the personnel** named in the proposal who will be primarily responsible for carrying out the research and/or innovation activities, and who are included in the researchers table in the proposal, will be used as a factor for prioritisation.
- 4) If necessary, any further prioritisation will be based **on geographical diversity**, defined as the number of Member States or Associated Countries represented in the proposal, not otherwise receiving funds from projects higher up the ranking list (and if equal in number, then by budget).
- 5) If a distinction still cannot be made, the panel may decide to further prioritise by considering other factors related to the objectives of the call, or to Horizon Europe in general. These may include, for example, enhancing the quality of the project portfolio through synergies between projects or, where relevant and feasible, **involving SMEs....”**

General Annexes

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-13-general-annexes_horizon-2021-2022_en.pdf

Ocena zagadnień etycznych we wniosku projektowym w Horyzoncie Europa

Activity	Who?	When?	How?
Ethics Self-assessment	Applicant	Application phase	Consideration of ethical issues of the proposal
Ethics Screening	Ethics experts (and/or qualified staff in case a pre-screening is conducted)	Evaluation phase	Review of application material
Ethics Assessment (for proposals involving hESC/hE or flagged as serious or complex)	Ethics experts	Evaluation/ Grant preparation phase	Review of application material
Ethics check/review/audit	Project Officer and/or Ethics officer and/or	Implementation phase	Review of project deliverables/interview with applicants/onsite



3. Other Security Issues

Page

Does this activity involve information and/or materials subject to national security restrictions? Yes No
If yes, please specify: (Maximum number of characters allowed: 1000)

Please specify: (Maximum number of characters allowed: 1000)

↪ **Security** oceniane we wszystkich wnioskach składanych w Horyzoncie Europa;

At
specify: (Maximum number of characters allowed: 1000)

Please specify: (Maximum number of characters allowed: 1000)

Ocena merytoryczna – przydatne linki

General Annexes

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-13-general-annexes_horizon-2021-2022_en.pdf

HE Programme Guide; Ethics and integrity

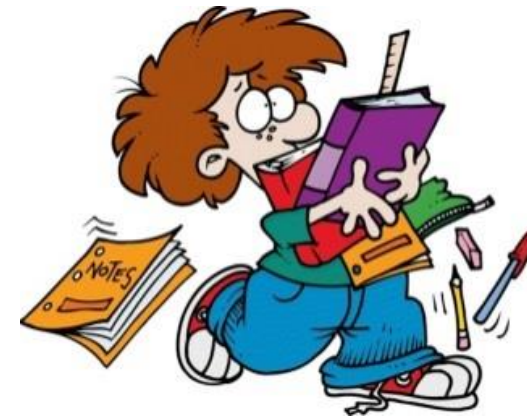
https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide_horizon_en.pdf

EU Grants: HE Programme Guide 13. Security

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide_horizon_en.pdf



Proposal template: technical annex; (1st stage of a two-stage submission procedure)



Przykład: *single stage* i *two stage*

Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application

HORIZON-CL6-2022-CIRCBIO-02-04-two-stage

Call for proposal

Grant

Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON Research and Innovation Actions	Deadline model	two-stage
Opening date	28 October 2021	First stage deadline	15 February 2022 17:00:00 Brussels time
		Second stage deadline	01 September 2022 17:00:00 Brussels time

Thermal energy storage solutions

HORIZON-CL5-2022-D3-01-14

Call for proposal

Grant

Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON Innovation Actions	Deadline model	single-stage
Opening date	14 October 2021	Deadline date	26 April 2022 17:00:00 Brussels time

<p>Typ projektu</p>	<p>Część merytoryczna B Pierwszy Etap konkursu „two stage” <i>Proposal template: technical annex;</i> <i>(1st stage of a two-stage submission procedure)</i></p>	
<p><i>Research and Innovation Actions (RIA)</i> <i>Innovation Actions (IA)</i></p>	<p><i>1. Excellence</i></p>	<p><i>2. Impact</i></p>
<p><i>Coordination and Support Actions (CSA)</i></p>	<p><i>1.1 Objectives and ambition</i> [np. 2 strony] <i>1.2 Methodology</i> [np. 5 stron]</p>	<p><i>2.1 Project’s pathways towards impact</i> [np. 3 strony]</p>

Strona pierwsza wniosku projektowego


Call: [insert call identifier] — [insert call name]

Circular economy and bioeconomy sectors

EU Grants: Application form (HE 1st stage RIA and IA): V1.0 – 03.06.2021

HORIZON-CL6-2022-CIRCBIO-02-04-two-stage

TITLE OF THE PROPOSAL

 *The consortium members are listed in part A of the proposal (application forms). A summary list should also be provided in the table below.*

List of participants

Participant No. *	Participant organisation name	Country
1 (Coordinator)		
2		
3		

* Please use the same participant numbering and name as that used in the administrative proposal forms.

Call: HORIZON-CL6-2022-CIRCBIO-02-04-two-stage — Circular economy and bioeconomy sectors

EU Grants: Application form (HE 1st stage RIA and IA): V1.0 – 03.06.2021

TITLE OF THE PROPOSAL

List of participants

Participant No. *	Participant organisation name	Country
1 (Coordinator)		
2		
3		

2 - Participants *Administrative proposal forms (Part A)*

List of participating organisations

#	Participating Organisation Legal Name	Country	Action
1	NARODOWE CENTRUM BADAŃ I ROZWOJU	Poland	Show Participants Details
2	<u>Medizinische Hochschule Hannover (MHH)</u>	Germany	
3	University of Southern Denmark, (SDU)	<u>Denmark</u>	
4	<u>Adamed</u>	Poland	

This template is to be used in a first stage of a two-stage submission procedure.

The structure of this template must be followed when preparing your proposal. It has been designed to ensure that the important aspects of your planned work are presented in a way that will enable the experts to make an effective assessment against the evaluation criteria. Sections 1 and 2 correspond to an evaluation criterion for a first stage proposal in a two-stage submission procedure.

Please be aware that proposals will be evaluated as they were submitted, rather than on their potential if certain changes were to be made. This means that only proposals that successfully address all the required aspects will have a chance of being funded. There will be no possibility for significant changes to content, budget and consortium composition during grant preparation.



Page limit: The page limit is 10 pages. The number of pages included in each section of this template is only indicative.

The page limit will be applied automatically. **At the end of this document you can see the structure of the actual proposal that you need to submit, please remove all instruction pages that are watermarked.**

If you attempt to upload a proposal longer than the specified limit before the deadline, you will receive an automatic warning and will be advised to shorten and re-upload the proposal. After the deadline, excess pages (in over-long proposals/applications) will be automatically made invisible, and will not be taken into consideration by the experts. The proposal is a self-contained document. Experts will be instructed to ignore hyperlinks to information that is specifically designed to expand the proposal, thus circumventing the page limit.

Please, do not consider the page limit as a target! It is in your interest to keep your text as concise as possible, since experts rarely view unnecessarily long proposals in a positive light.



The following formatting conditions apply.


The reference font for the body text of proposals is Times New Roman (Windows platforms), Times/Times New Roman (Apple platforms) or Nimbus Roman No. 9 L (Linux distributions)...

The minimum font size allowed is 11 points. Standard character spacing and a minimum of single line spacing is to be used. This applies to the body text, including text in tables...

The page size is A4, and all margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).

1. Excellence

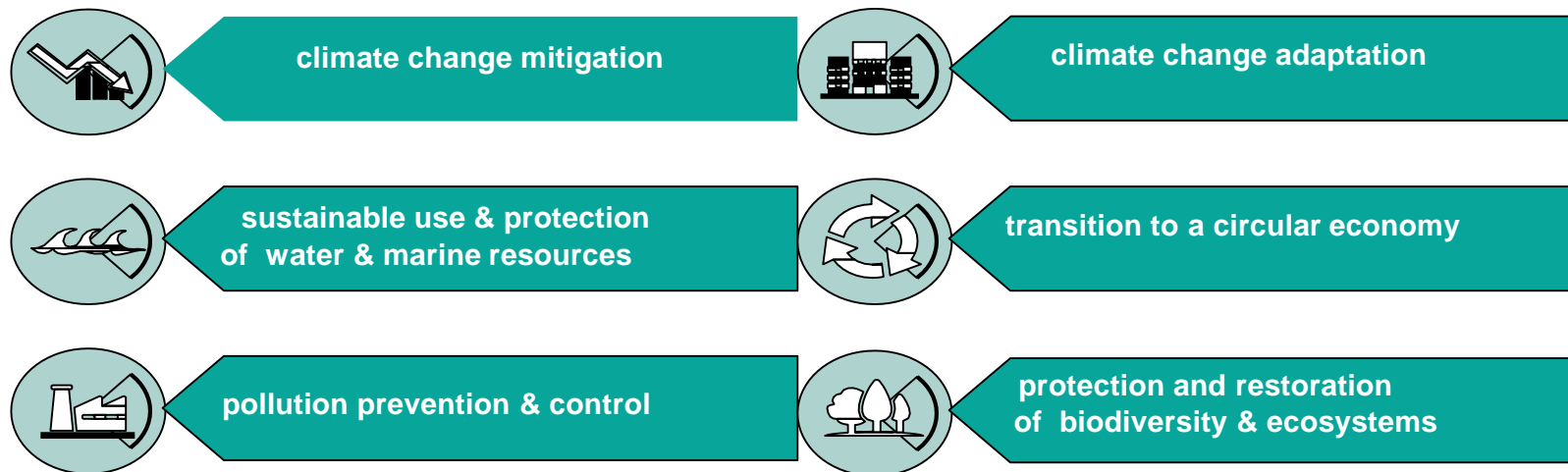
1.1 Objectives and ambition [e.g. 2 pages]

- Briefly describe the objectives of your proposed work. Why are they pertinent to the work programme topic? Are they measurable and verifiable? Are they realistically achievable?
 - Describe how your project goes beyond the state-of-the-art, and the extent the proposed work is ambitious. Indicate any exceptional ground-breaking R&I, novel concepts and approaches, new products, services or business and organisational models. Where relevant, illustrate the advance by referring to products and services already available on the market. Refer to any patent or publication search carried out.
 - Describe where the proposed work is positioned in terms of R&I maturity (i.e. where it is situated in the spectrum from ‘idea to application’, or from ‘lab to market’). Where applicable, provide an indication of the Technology Readiness Level, if possible distinguishing the start and by the end of the project.
-  *Please bear in mind that advances beyond the state of the art must be interpreted in the light of the positioning of the project. Expectations will not be the same for RIAs at lower TRL, compared with Innovation Actions at high TRLs.*

1. Excellence

1.2 Methodology [e.g. 5 pages]

- Describe and explain the overall methodology, referring briefly, where necessary, to the concepts, models and assumptions that underpin your work.
- Explain how this will enable you to deliver your project's objectives.
 - ⚠ *Where relevant, include how the project methodology complies with the 'do no significant harm' principle as per Article 17 of [Regulation \(EU\) No 2020/852](#) on the establishment of a framework to facilitate sustainable investment (i.e. the so-called 'EU Taxonomy Regulation'). This means that the methodology is designed in a way it is not significantly harming any of the six environmental objectives of the EU Taxonomy Regulation.*



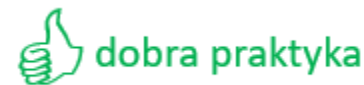
1. Excellence

1.2 Methodology [e.g. 5 pages]

- When relevant for your project, refer briefly to the aspects below:
 - Any national or international research and innovation activities whose results will feed into the project, and how that link will be established.
 - How expertise and methods from different disciplines will be brought together and integrated in pursuit of your objectives. If you consider that an inter-disciplinary approach is unnecessary in the context of the proposed work, please provide a justification.

„...Where relevant, proposals should seek links with and capitalise on the results of past and ongoing research projects, taking care to avoid overlaps...”

👉 **elementy zarządzania np.:** krótki opis: pakietów pracy: WP, kamieni milowych: milestones; diagram ilustrujący powiązania między pakietami pracy: WP (Pert Chart);



- For topics where the Work Programme indicates the need for the integration of social sciences and humanities, show the role of these disciplines in the project or provide a justification if you consider that these disciplines are not relevant to your proposed project.

Przykład: Jak opisać pakiety pracy w pierwszym etapie konkursu „two stage” ?

„ In order to fulfil its goals within the 30-month project duration, the activities of PULSe are organized workpackages:

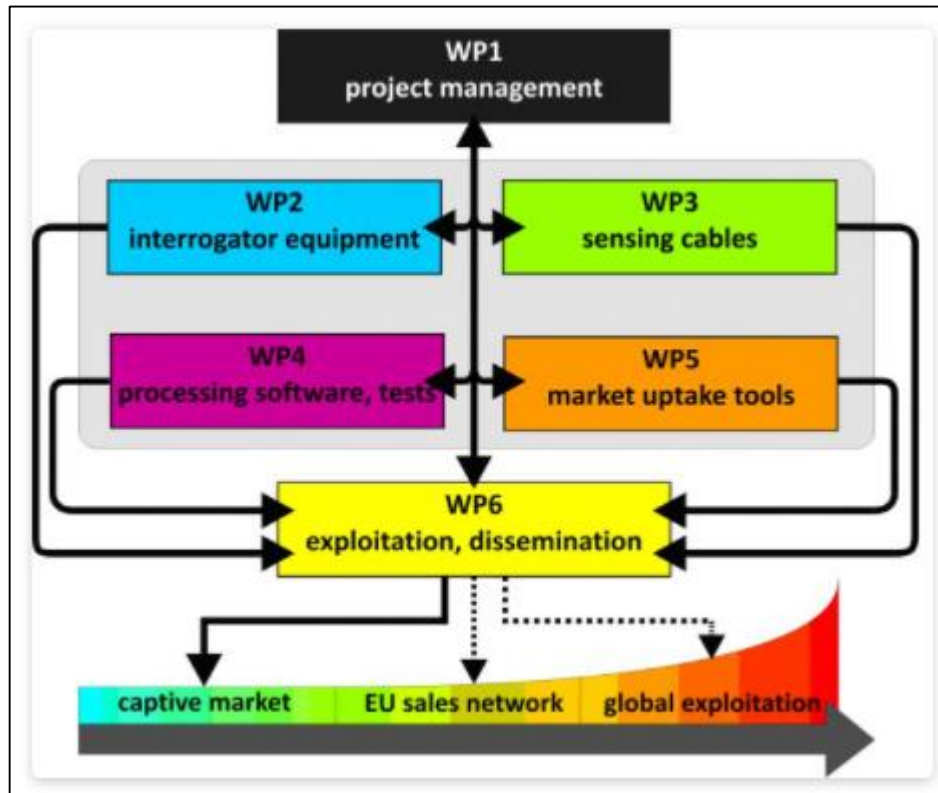


- **Work Package 1 (WP1) – Project Management.** The aim of **WP1** is to monitor and coordinate the activities carried out in the rest of WPs in order to ensure a successful project execution. Project coordination and consortium management will consider scientific/technical aspects as well as administrative duties.
- **Work Package 2 (WP2)– Interrogator equipment.** In **WP2** the interrogator equipment will be developed to achieve the technical improvements required for market uptake, reliability improvement and cost reduction in mass replication; the performance characterisation, pre-compliance and compliance certification will be carried out, and the manufacturing process will be evaluated and validated.
- **Work Package 3 (WP3) – Strain sensing cables.** In this **WP3** the sensing cables will be designed, manufactured and pre-industrialized to enable mass-scale production of optimized cables. Manufacturing will include from optical fiber drawing from designed performs, the addition of suitable buffer coating layers, final characterization and certification tests of cable prototypes...
- **Work Package 6 (WP6)– Exploitation and dissemination.** This **WP6** will be dedicated to exploitation and dissemination activities, as well as to management of IPR protection. This will include the elaboration of electronic and printed promotional material, publications and presentations at trade shows and conference, and identification and invitation of external exploitation partners.

Przykład: Jak opisać pakiety pracy w pierwszym etapie konkursu „two stage” ?;
diagram PERTA [Program Evaluation and Review Technique]



„... The duration of the action will be 48 months and will be subdivided into nine Work Packages. Six Work Packages focus on the technological implementation of the Virtual Coach, one Work Package the clinical concept and piloting, one Work Package on the communication and dissemination and one Work Package on the project management....”



↪ Strona projektu (jeszcze jest):
<http://www.pulse-h2020.eu/workpackages/>

↪ Strona na CORDIS:
<https://cordis.europa.eu/project/id/737801>

Partnerem w projekcie:
FIBRAIN Spółka z Ograniczoną Odpowiedzialnością
<https://fibrain.pl/>

1. Excellence

1.2 Methodology [e.g. 5 pages]

- When relevant for your project, refer briefly to the aspects belowc.d.:
 - How the gender dimension (i.e. sex and/or gender analysis) is taken into account in the project's research and innovation content.
 - ⚠ *Note: This section is mandatory except for topics which have been identified in the work programme as not requiring the integration of the gender dimension into R&I content.*

„HORIZON-CL6-2022-CIRCBIO-02-04-two-stage: Photosynthesis revisited: climate emergency, “no pollution and zero-emission” challenge and industrial application

...For this topic, it is **not mandatory to integrate the gender dimension** (sex and gender analysis) into research and innovation...”



1. Excellence

1.2 Methodology [e.g. 5 pages]

- When relevant for your project, refer briefly to the aspects below c.d.:
 - How appropriate open science practices are implemented as an integral part of the proposed methodology. Show how the choice of practices and their implementation are adapted to the nature of your work, in a way that will increase the chances of the project delivering on its objectives. If you believe that none of these practices are appropriate for your project, please provide a justification here.
 - Research data management and management of other research outputs: Applicants generating/collecting data and/or other research outputs (except for publications) during the project must provide maximum 1/2 page on how the data/ research outputs will be managed in line with the FAIR principles (Findable, Accessible, Interoperable, Reusable).

↪ clinical trials - badania kliniczne jeżeli wymagane najważniejsze informacje np. liczba pacjentów, kryteria uczestnictwa w badaniach klinicznych;



Zagadnienia przekrojowe „Cross-cutting Priorities” w Horyzoncie Europa

- ↪ *International cooperation;*
- ↪ *Gender equality as a cross-cutting principle;*
- ↪ *Social Science and Humanities (SSH);*
- ↪ *Social Innovation;*
- ↪ *Dissemination and exploitation of research results;*
- ↪ *Open science;*



Horizon Europe (HORIZON) Programme Guide

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide_horizon_en.pdf

HORIZON EUROPE STRATEGIC PLAN 2021 – 2024

https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/ec_rtd_horizon-europe-strategic-plan-2021-24.pdf

2. Impact

2.2 Project's pathways towards impact [e.g. 3 pages]

- Provide a narrative explaining how the project's results are expected to make a difference in terms of impact, beyond the immediate scope and duration of the project. The narrative should include the components below, tailored to your project.
 - (a) Describe the unique contribution your project results would make towards (1) the outcomes specified in this topic, and (2) the wider impacts, in the longer term, specified in the respective destinations in the work programme.

Przykład: Topic description „Expected Outcome:...”

„ Destination: ... Expected impacts...”

- ⚠ *State the target groups that would benefit. Even if target groups are mentioned in general terms in the work programme, you should be specific here, breaking target groups into particular interest groups or segments of society relevant to this project.*
- ⚠ *The outcomes and impacts of your project may be:*
 - *Scientific*
 - *Economic/technological*
 - *Societal*

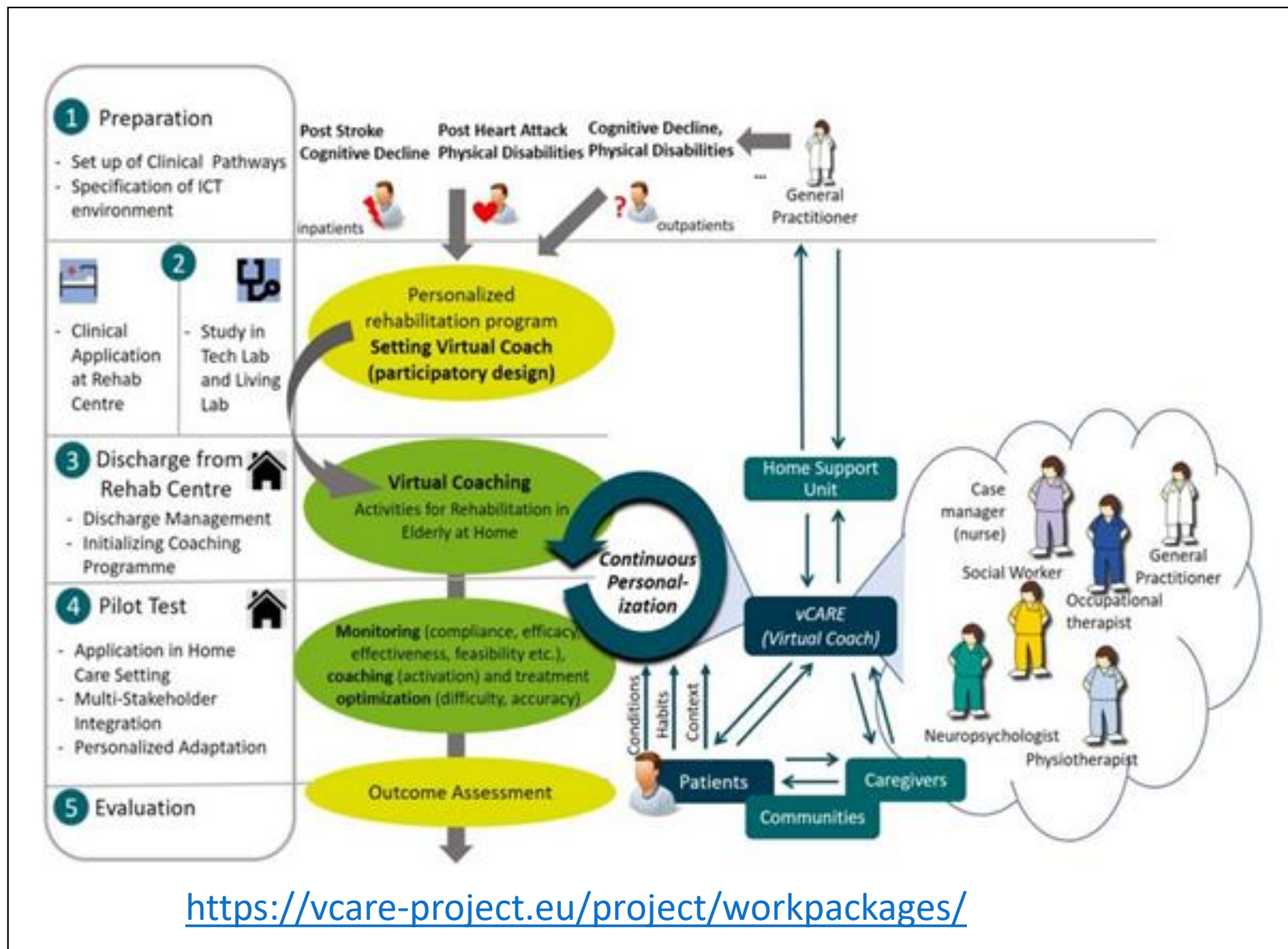
2. Impact

2.2 Project's pathways towards impact [e.g. 3 pages]

(b) Describe any requirements and potential barriers - arising from factors beyond the scope and duration of the project - that may determine whether the desired outcomes and impacts are achieved. These may include, for example, other R&I work within and beyond Horizon Europe; regulatory environment; targeted markets; user behaviour. Indicate if these factors might evolve over time. Describe any mitigating measures you propose, within or beyond your project, that could be needed should your assumptions prove to be wrong, or to address identified barriers.

(c) Give an indication of the scale and significance of the project's contribution to the expected outcomes and impacts, should the project be successful. Provide quantified estimates where possible and meaningful.

Przykład: diagramy, wykresy, przekroje itp.






Proposal template: technical annex

***(for full proposals: **single stage** submission procedure and
2nd stage of a two-stage submission procedure)***

Single stage submission procedure and 2nd stage of a two-stage submission procedure

Narodowe Centrum Badań i Rozwoju

Typ projektu	Część merytoryczna B <i>Research proposal (Part B)</i>		
<p>Research and Innovation Actions (RIA)</p> <p>Innovation Actions (IA)</p>	<p>1. Excellence</p>	<p>2. Impact</p>	<p>3. Quality and efficiency of implementation</p>
<p>Coordination and Support Actions (CSA)</p>	<p>1.1 Objectives and ambition [np. 4 strony]</p> <p>1.2 Methodology [np. 15 stron]</p> 	<p>2.1 Project's pathways towards impact [np. 4 strony]</p> <p>2.2 Measures to maximise impact Dissemination, exploitation and communication [np. 5 stron]</p> <p>2.3 Summary</p> 	<p>3.1 Work plan and resources [np. 14 stron dla RIA / IA; np. 10 stron dla CSA]</p> <p>3.2 Capacity of participants and consortium as a whole [np. 3 strony]</p> 

Thermal energy storage solutions

[TOPIC ID: HORIZON-CL5-2022-D3-01-14](#)



Programme

Horizon Europe Framework Programme (HORIZON)

Call

[Sustainable, secure and competitive energy supply \(HORIZON-CL5-2022-D3-01\)](#)

Type of action

HORIZON-IA HORIZON Innovation Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG]

Deadline model

single-stage

Opening date








14 October 2021

Deadline date

26 April 2022 17:00:00 Brussels time

Key steps

Reference documents

-  Templates & forms
-  Application forms
-  Evaluation forms
-  Validation and LEAR appointment
-  Grant agreement preparation temp
-  Project reporting templates
-  Funding & Tenders Portal

- [Standard application form \(HE RIA IA\)](#)
- [Standard application form \(HE RIA IA Stage 1\)](#)
- [Standard application form \(HE CSA\)](#)
- [Standard application form \(HE CSA Stage 1\)](#)
- [Standard application form \(HE Research Infrastructure\)](#)
- ...
- [Standard application form \(HE ERC STG\)](#)
- [Standard application form \(HE ERC COG\)](#)
- [Standard application form \(HE ERC ADG\)](#)
- [Standard application form \(HE ERC SYG\)](#)
- [Standard application form \(HE ERC POC\)](#)
- [Standard application form \(HE EIC Pathfinder Open\)](#)
- [Standard application form \(HE EIC Pathfinder Challenges\)](#)
- [Standard application form \(HE EIC Transition\)](#)
- Standard application form (HE EIC Accelerator)
- ...

Przykład: Standard Application form (RIA, IA)

This template is to be used in a single-stage submission procedure or at the 2nd stage of a two-stage submission procedure.

The structure of this template must be followed when preparing your proposal. It has been designed to ensure that the important aspects of your planned work are presented in a way that will enable the experts to make an effective assessment against the evaluation criteria. Sections 1, 2 and 3 each correspond to an evaluation criterion.

Please be aware that proposals will be evaluated as they were submitted, rather than on their potential if certain changes were to be made. This means that only proposals that successfully address all the required aspects will have a chance of being funded. There will be no possibility for significant changes to content, budget and consortium composition during grant preparation.



Page limit: The title, list of participants and sections 1, 2 and 3, together, should not be longer than 45 pages. All tables, figures, references and any other element pertaining to these sections must be included as an integral part of these sections and are thus counted against this page limit...


The page limit will be applied automatically. **At the end of this document you can see the structure of the actual proposal that you need to submit, please remove all instruction pages that are watermarked...**

Przykład: Application form (RIA, IA) do tematu: Thermal energy storage solutions

This template is to be used in a single-stage submission procedure or at the 2nd stage of a two-stage submission procedure.

The structure of this template must be followed when preparing your proposal. It has been designed to ensure that the important aspects of your planned work are presented in a way that will enable the experts to make an effective assessment against the evaluation criteria. Sections 1, 2 and 3 each correspond to an evaluation criterion.

Please be aware that proposals will be evaluated as they were submitted, rather than on their potential if certain changes were to be made. This means that only proposals that successfully address all the required aspects will have a chance of being funded. There will be no possibility for significant changes to content, budget and consortium composition during grant preparation.

 **Page limit:** The title, list of participants and sections 1, 2 and 3, together, should not be longer than 45 pages for RIAs and not longer than 70 pages for IAs. All tables, figures, references and any other element pertaining to these sections must be included as an integral part of these sections and are thus counted against this page limit.

 **Please note that the page limit of the RIA topics HORIZON-CL5-2022-D1-02-01, HORIZON-CL5-2022-D1-02-02, HORIZON-CL5-2022-D1-02-03, HORIZON-CL5-2022-D1-02-04, HORIZON-CL5-2022-D1-02-05, for sections 1, 2 and 3, together, should not be longer than 60 pages.**

The page limit will be applied automatically. **At the end of this document you can see the structure of the actual proposal that you need to submit, please remove all instruction pages that are watermarked...**

Przykład: Thermal energy storage solutions; [TOPIC ID: HORIZON-CL5-2022-D3-01-14](#)


<i>Specific conditions</i>	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of between EUR 7.00 and 8.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 30.00 million.
<i>Type of Action</i>	Innovation Actions
<i>Admissibility conditions</i>	<p>The conditions are described in General Annex A. The following exceptions apply:</p> <p>The page limit of the application is 70 pages.</p>
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 6-7 by the end of the project – see General Annex B.

Przykład: Application form (CSA) do tematu: Open schooling for science education and a learning continuum for all

This template is to be used in a single-stage submission procedure or at the 2nd stage of a two-stage submission procedure.

The structure of this template must be followed when preparing your proposal. It has been designed to ensure that the important aspects of your planned work are presented in a way that will enable the experts to make an effective assessment against the evaluation criteria. Sections 1, 2 and 3 each correspond to an evaluation criterion.

Please be aware that proposals will be evaluated as they were submitted, rather than on their potential if certain changes were to be made. This means that only proposals that successfully address all the required aspects will have a chance of being funded. There will be no possibility for significant changes to content, budget and consortium composition during grant preparation.

 **Page limit:** The title, list of participants and sections 1, 2 and 3, together, should not be longer than 30 pages. All tables, figures, references and any other element pertaining to these sections must be included as an integral part of these sections and are thus counted against this page limit. The number of pages included in each section of this template is only indicative...

Na co zwrócić uwagę przygotowując wniosek w Horyzoncie Europa ?

↪ **trzymać się struktury szablonu!**

↪ **nie pisać ciągłym tekstem**, przestrzegać limitu stron;

↪ **wypunktować kluczowe kwestie; pogrubić ważne informacje;**

↪ zadbać o stronę graficzną: podział i układ akapitów, przejrzystość tekstu, powiązanie pomiędzy wszystkimi częściami wniosku (badania, nauka, rola partnerów w realizacji projektu itp.);

↪ pamiętać o aktywnych linkach do wymienianych dokumentów/publikacji/norm itp.;

↪ publikacje we wniosku najnowsze;

↪ rozwiń skróty we wniosku;



Przykład: nie pisać ciągłym tekstem

The general objective of the EDEFU project consists in developing new technologies of heating, new refractory materials to improve heat insulations and new designs for innovating recovery systems for residues for industrial furnaces in Non ferrous metals, glass, ceramics and cement industries. The evaluation of the success of the project will be realised through the validation of real scale demonstrators and prototypes integrating the new above mentioned technologies. Thanks to the project the following improvements are expected: 20% reduction in energy consumption is expected compared with current systems, zero particle emission in the atmosphere and the transformation of heat in usable energies, the reduction of at least 50% in the generation of residues through innovating recovery system of residues and reusability of the 100% of the generated CO. These developments, will allow to the generation of new furnaces with greater energetic efficiency and a minimal environmental footprint. In addition these new technologies will allow reaching efficient operating conditions: reduction of times of fusion, minor power consumption in zones of maintenance and energy storage. On the longer term, the project will greatly contribute to increase the competitiveness of the Foundry, Glass, Cement and Ceramic industries often economically unfavoured by new environmental regulations on the European Industry. The obtained results will be of direct applications in the mentioned industries and can be indirectly applied to other sectors like automotive, aeronautics, railway industries. The four mentioned target industries actually contribute to produce components for vehicles (engine aluminium block), construction (cement for buildings), ceramic bricks, floor tiles, porcelain, urban furnitures, food industry (cabbage-cutters, beaters) and electronics: housing, connectors, electrical sector, cables, subsections of electrical laying...

Przykład: podkreślić, wypunktować, pogrubić

The general objective of the EDEFU project consists in developing new technologies of heating, new refractory materials to improve heat insulations and new designs for innovating recovery systems for residues for industrial furnaces in Non ferrous metals, glass, ceramics and cement industries. The evaluation of the success of the project will be realised through the validation of real scale demonstrators and prototypes integrating the new above mentioned technologies.

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These developments, will allow to the generation of new furnaces with greater energetic efficiency and a minimal environmental footprint. In addition these new technologies will allow reaching efficient operating conditions: reduction of times of fusion, minor power consumption in zones of maintenance and energy storage. On the longer term, the project will greatly contribute to increase the competitiveness of the Foundry, Glass, Cement and Ceramic industries often economically unfavoured by new environmental regulations on the European Industry.

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Przykład: publikacje we wniosku - wybieramy najważniejsze, najnowsze !!!

1. A. Atzori, A. Carullo, A. Vallan, V. Cennamo, A. Astolfi. “Parkinson disease voice features for rehabilitation therapy and screening purposes.” *IEEE International Symposium on Medical Measurements and Applications (MeMeA)*. **Istanbul, 2019.**
2. Alm, N., et al. “An interactive entertainment system usable by elderly people with dementia.” *Stephanidis C (ed) UAHCI-2007: universal access in human-computer interaction*. Beijing, China: Springer, Heidelberg, 2007. 617–623.
3. Al-Shaqi, R., M. Mourshed, and Y. Rezgui. “Progress in ambient assisted systems for independent living by the elderly.” *Springerplus*, May 2016.
- Awada, I.A., I. Mocanu, A. Sorici, and A.M. Florea. “An Integrated System for Improved Assisted Living of Elderly People.” In *Recent Advances in Intelligent Assistive Technologies: Paradigms and Applications Intelligent Systems Reference Library*, by H. Costin, B. Schuller and A. Florea. Springer, **2020**...
9. Bulut, S. Narayanan, J. Gratch, and S. Marsella. “Toward effective automatic recognition systems of emotion in speech, in Social emotions in nature and artifact: emotions in human and human-computer interaction.” In *Social emotions in nature and artifact: emotions in human and human-computer interaction*, by S. Marsella and J. Gratch. New York: Oxford University Press, **2013.**
10. Carullo, A., A. Vallan, A. Astolfi, G. E. Puglisi, and L. Pavese. “Validation of calibration procedures and uncertainty estimation of contactmicrophone based vocal analyzers.” *Measurement*, ~~October 2015:~~ 130–142...
- 11 “Design issues for a portable vocal analyzer.” *IEEE Trans. Instrum. Meas.*, ~~May 2013: 1084–1093...~~
14. Cheyne, H. A., H. M. Hanson, R. P. Genreux, K. N. Stevens, and R. E. Hillman. “Development and testing of a portable vocal accumulator.” *J. Speech Lang. Hearing Res.*, ~~2003: 1457–1467...~~
19. Hagen, P., G.D. Lyons, and D.W. Nuss. “Dysphonia in the elderly: diagnosis and management of age-related voice changes.” *South Med Journal*, ~~February 1996: 204–7...~~
30. Rodriguez, A. J., S. E. Holleran, and M. R. Mehl. “Reading between the lines: The lay assessment of subclinical depression from written self-descriptions.” *J. Pers*, ~~2010: 575–598...~~
40. Xin, X., and O. Herzog. “Towards adaptive decision support for individual persons suffering from chronic diseases.” *IEEE/ACIS 11th international conference on computer and information science*, 2012: 225–229.

Uwzględnij **wytyczne** w Programie Pracy!

- ✓ „...The Joint Research Centre (JRC) may participate as member of the consortium selected for funding...”
- ✓ „... All projects funded under this topic **are strongly encouraged** ...”
- ✓ „... Proposals should cover **all of the following aspects**: ...”
- ✓ „... Proposals should address **several of the following research bottlenecks**:...”
- ✓ „... The proposals must address **all of the above points**...”
- ✓ „... The proposals should address **several of the following areas**:...”
- ✓ „... This topic should involve the effective contribution of **social sciences and humanities disciplines**...”
- ✓ „... Proposals are expected to **promote cooperation between different actors (industry, SMEs and research institutions)**...”
- ✓ „...Proposal may address **one or several of the above mentioned areas** and should consider aspects of **manufacturing, standardisation, diagnostics, characterisation** in order to serve next generation industrial manufacturing processes...”
- ✓ „...Proposals should address **several of the following research bottlenecks**:...”



Uwzględnij **wytyczne** w Programie Pracy!

- ✓ „... Projects are expected to contribute **to the following outcomes:...**”
- ✓ „...The project should have **a maximum estimated duration of 3 years...**”
- ✓ „...If projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries must make use of Galileo/EGNOS (other data and services may additionally be used). The use of Copernicus for earth observation is encouraged....”

„... Copernicus and Galileo/EGNOS data and services thus provide an important contribution to all Horizon Europe key strategic orientations. The programme therefore **strongly encourages** the use of Copernicus and Galileo/ EGNOS data and services, whenever earth observation data, or positioning, navigation or timing services are used, so as to ensure that research is of highest quality and makes the best use of the EU space infrastructure....”

[**HORIZON EUROPE STRATEGIC PLAN 2021 – 2024 \(str.26-27\)**](#)







Rozwiń skróty we wniosku!

„... In Europe the vision of the electric grids of the future, or **SG** ?,... ... The profound changes envisioned for the electric power system are being driven by several factors. One of them is a large scale integration of **DG** ?, in particular **DER** ? that, besides generation devices, also comprises storage and responsive loads. This is particularly important since in distribution grids there is a reduced amount of power storage capacity, which introduces limitations in the support of network operation in dealing with intermittence of **DG** ? from renewable sources....

This opportunity, combined with regulatory provisions, is being taken by electric grid stakeholders to meet environmental targets and consequent reduction of **GHG** ? ...”

„... In Europe the vision of the electric grids of the future, or **Smart Grids (SG)**, ...One of them is a large scale integration of **Distributed Generation (DG)**, in particular **Distributed Energy Resources (DER)** that, besides generation devices, also comprises storage and responsive loads.... n the support of network operation in dealing with intermittence of **DG** from renewable sources... reduction of **Green House Gas (GHG)** ...”

AKRONIM	TEMAT PROJEKTU	Strona na CORDIS
C-VoUCHER	<i>Circularize ValUe CHains across European Regional Innovation Strategies</i> Koordynator: FUNDINGBOX ACCELERATOR SP ZOO <ul style="list-style-type: none"> • AGENCJA ROZWOJU MAZOWSZA SPOLKA AKCYJNA • NEUCA SA 	https://cordis.europa.eu/project/id/777773 
SAPHIR	<i>Strengthening Animal Production and Health through the Immune Response</i> <ul style="list-style-type: none"> • Szkoła Główna Gospodarstwa Wiejskiego 	https://cordis.europa.eu/project/id/633184 
BIOMOTIVE	<i>Advanced BIObased polyurethanes and fibres for the autoMOTIVE industry with increased environmental sustainability</i> Koordynator SELENA LABS SP. Z O.O. <ul style="list-style-type: none"> • Instytut Ciężkiej Syntezy ORGANICZNEJ BLACHOWNIA • E-OFFICE7 SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA • LEDA POLYMER SP ZOO • INTAP TOBIK SPOLKA JAWNA 	https://cordis.europa.eu/project/id/745766 
SOILCARE	<i>Soil Care for profitable and sustainable crop production in Europe</i> <ul style="list-style-type: none"> • INSTYTUT AGROFIZYKI POLSKIEJ AKADEMII NAUK 	https://cordis.europa.eu/project/id/677407 
ReMeDi	<i>Remote Medical Diagnostician</i> <ul style="list-style-type: none"> • STANCZYK BARTLOMIEJ • UNIWERSYTET MEDYCZNY W LUBLINIE • POLITECHNIKA WROCLAWSKA 	https://cordis.europa.eu/project/id/610902

Research proposal (Part B)

Title of the Proposal

The consortium members are listed in part A of the proposal (administrative forms). A summary list should also be provided in the table below.

List of participants

Participant No. *	Participant organisation name	Country
1 (Coordinator)		
2		
3		

- Please use the same participant numbering as that used in the administrative proposal forms.



Administrative proposal forms (Part A)

2 - Participants w systemie elektronicznym

List of participating organisations

#	Participating Organisation Legal Name	Country	Action
1	NARODOWE CENTRUMBADAŃ I ROZOWOJU	Poland	Show Participants Details
2	Medizinische Hochschule Hannover (MHH)	Germany	
3	University of Southern Denmark, (SDU)	Denmark	
4	Adamed	Poland	

EU Grants: Application form (HE RIA/IA)

1.Excellence

1.1 Objectives and ambition [np.: 4 strony]

1.2 Methodology [np.: 15 stron]

EU Grants: Application form (HE CSA)

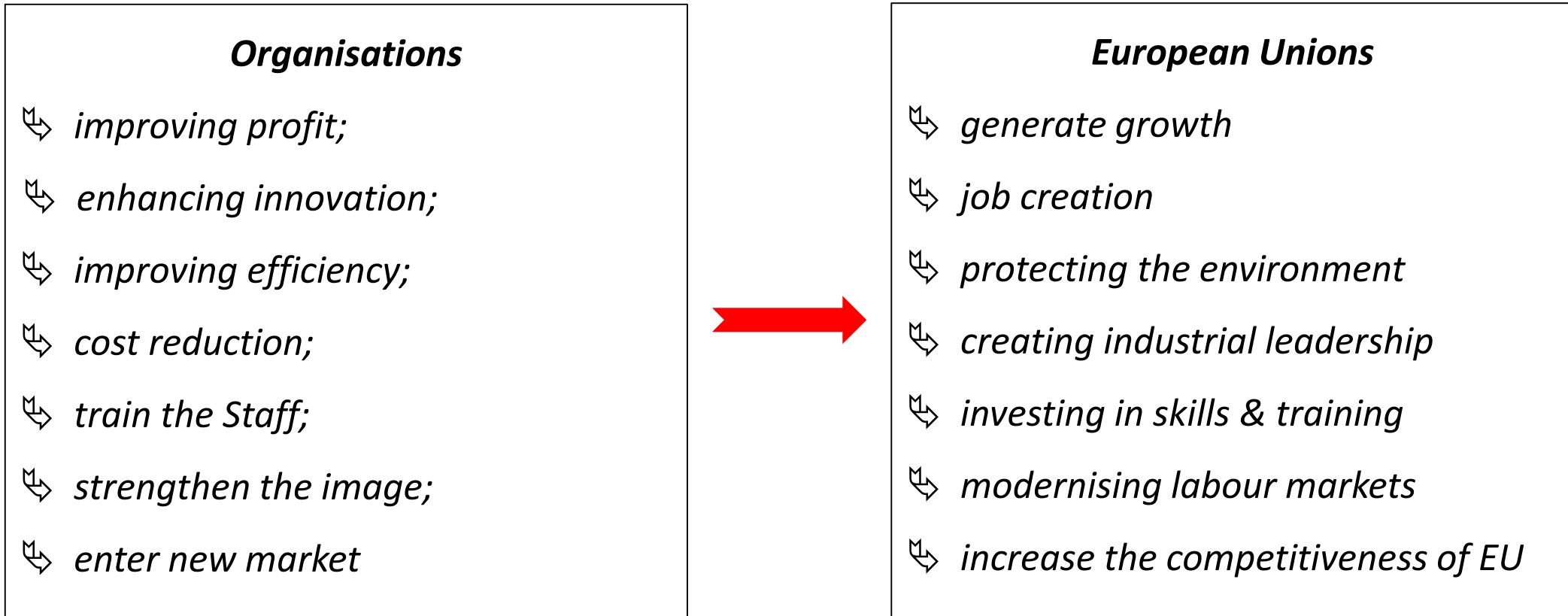
1.Excellence

1.1 Objectives [np.: 4 strony]

1.2 Coordination and/or support measures and methodology [np.: 6 stron]



Przełóż cele własne – na cele polityczne UE



„Nie możesz wpływać na kierunek wiatru, ale zawsze możesz odpowiednio ustawić żagle”/ M.Kijak

1.Excellence

1.1 Objectives and ambition [RIA,IA]

- Briefly describe the objectives of your proposed work. Why are they pertinent to the work programme topic? Are they measurable and verifiable? Are they realistically achievable?

↪ cel projektu - **jednoznaczny** nie pozwalający na luźną interpretację;

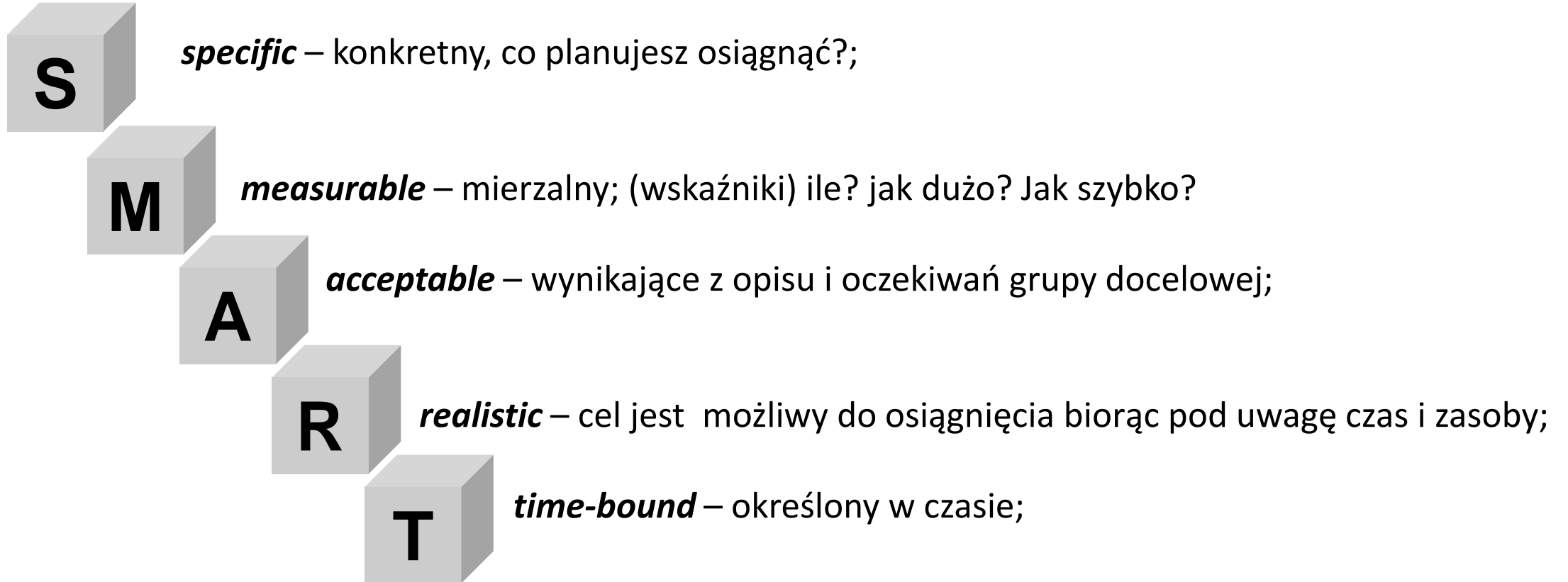
↪ konkretny, mierzalny,

↪ realnie możliwy do osiągnięcia w czasie trwania projektu;

↪ **zdefiniowany na pierwszej stronie o wymiarze europejskim;**



Cel projektu – Objectives nie tylko SMART



POPRAW, UDOSKONAL / ULEPSZ, UŁATW, WZMOCNIJ !

Przykład: Thermal energy storage solutions; [TOPIC ID: HORIZON-CL5-2022-D3-01-14](#)**„... Destination – Sustainable, secure and competitive energy supply**

This Destination includes activities targeting a sustainable, secure and competitive Energy supply. In line with the scope of cluster 5, this includes activities in the areas of renewable energy; energy system, grids and storage; as well as Carbon Capture, Utilization and Storage (CCUS)...

Scope: The scope covers the whole spectrum of application of the thermal energy storage systems, ranging from short run to longer run, as well as from the smaller to bigger sizes:

- Thermal end-uses (space heating, hot tap water, cooling) represent a major share of the European electricity demand with consumption often at peak times. Integration into the building heating system and in the smart electricity grid is a key development aspect, next to the storage materials and technologies. Such storage devices reduces the demand for electricity from the grid at peak times during the day, allowing off peak electricity to be used in the building for satisfying cooling needs during summer and/or heating demand, for space heating and hot tap water at later times...
- For buildings not connected to district heating and cooling network, a much more compact TES system is needed to optimize and to increase the integration of varying RES . Such systems need much less volume than state-of-the-art technologies, realized with materials that have extremely low heat losses and enable the storage of heat and cold for domestic applications for periods typically up to 4 weeks. *Cost reduction* is a very important target, as the present solutions are too expensive. The ideal thermochemical TES process should have high reaction heat; Good reversibility; Fast charging and discharging rates; Stable reaction products; ...”

Przykład: 1.Excellence; 1.1 Objectives

☺ „The lack of ICT platforms based on open standards is regarded as one of the most significant market barriers to the creation of new care & assistance paradigms with global interconnection and interworking. [UNCAP](#) delivers an interoperable ...”

☺ „ The overall objective of WADI project is to contribute to the reduction of losses in water transmission systems and decrease the related energy consumption required for the process...”

☺ „[GrowSmarter](#) aims to:

- Improve the quality of life for European citizens by better mobility, housing and the quality of urban infrastructure while improving the citizens economy by lower energy costs and creating as much as 1500 new jobs (on the demonstration level).
- Reduce the environmental impact by lower energy needs by 60 % and increased use of renewable energy thus reducing GHG emissions even more.
- Create sustainable economic development by demonstrating and preparing a wider rollout of smart solutions...”

1. Excellence

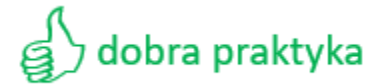
1.1 Objectives and ambition [RIA, IA]

- Describe how your project goes beyond the state-of-the-art, and the extent the proposed work is ambitious. Indicate any exceptional ground-breaking R&I, novel concepts and approaches, new products, services or business and organisational models. Where relevant, illustrate the advance by referring to products and services already available on the market. Refer to any patent or publication search carried out.

↪ przełomowy, nowatorski, doskonalszy;

↪ **błąd:** powoływanie się tylko na własne badania;

↪ ocena ryzyka wejścia produktu na rynek - “*freedom to operate analysis*”




Freedom to Operate (FTO) : odnosi się do wyszukiwań w bazach danych dotyczących praw własności intelektualnej (takich jak bazy patentowe) mających na celu ustalenie, czy komercjalizacja produktu może naruszać prawa osób trzecich. (dzięki wyszukiwaniu FTO przeprowadzonemu na wczesnym etapie rozwoju produktu znasz swoje zagrożenia i możesz przygotować się na ograniczenie ryzyka.) <https://www.iprhelpdesk.eu/ip-highlights/ip-special-FTO/article>

1. Excellence

1.1 Objectives and ambition [RIA, IA]

- Describe where the proposed work is positioned in terms of R&I maturity (i.e. where it is situated in the spectrum from ‘idea to application’, or from ‘lab to market’). Where applicable, provide an indication of the Technology Readiness Level, if possible distinguishing the start and by the end of the project.

 *Please bear in mind that advances beyond the state of the art must be interpreted in the light of the positioning of the project. Expectations will not be the same for RIAs at lower TRL, compared with Innovation Actions at high TRLs.*

 **Poziomy gotowości technologicznej - *Technology Readiness Levels (TRL)*;**

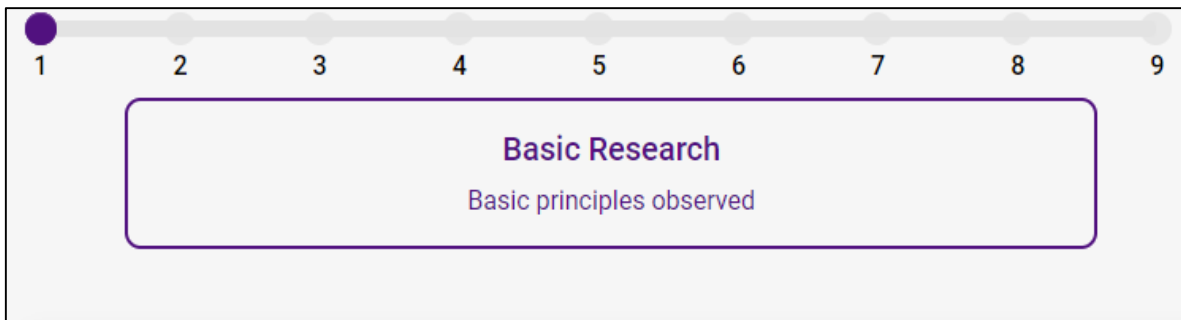
General Annexes:

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-13-general-annexes_horizon-2021-2022_en.pdf

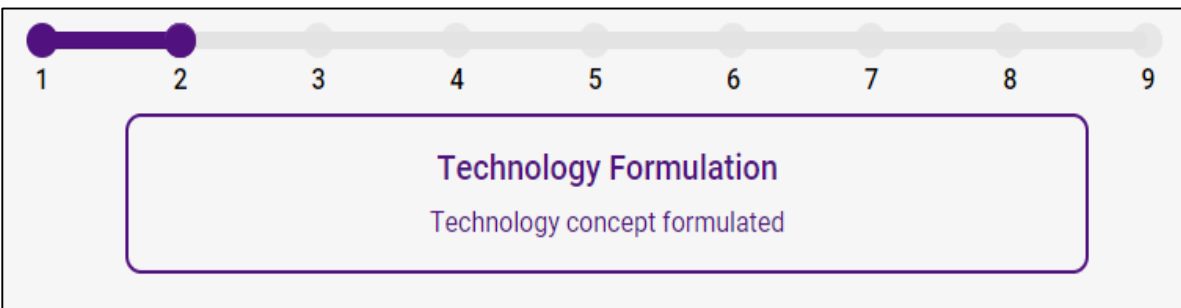
Przykład: Thermal energy storage solutions; TOPIC ID: HORIZON-CL5-2022-D3-01-14

<i>Specific conditions</i>	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of between EUR 7.00 and 8.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 30.00 million.
<i>Type of Action</i>	Innovation Actions
<i>Admissibility conditions</i>	The conditions are described in General Annex A. The following exceptions apply: The page limit of the application is 70 pages.
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 6-7 by the end of the project – see General Annex B.

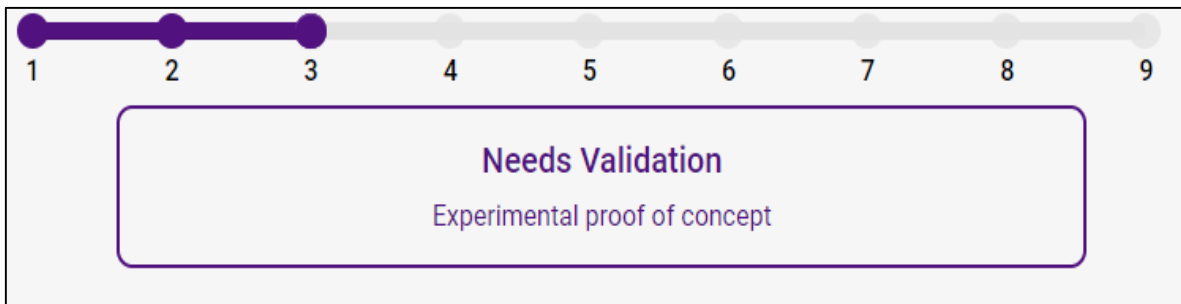
Technology Readiness Levels (TRL)



↪ **TRL 1:** najniższy poziom gotowości technologii oznaczający rozpoczęcie badań naukowych w celu wykorzystania ich wyników w przyszłych zastosowaniach. Zalicza się do nich między innymi badania naukowe nad podstawowymi właściwościami technologii;

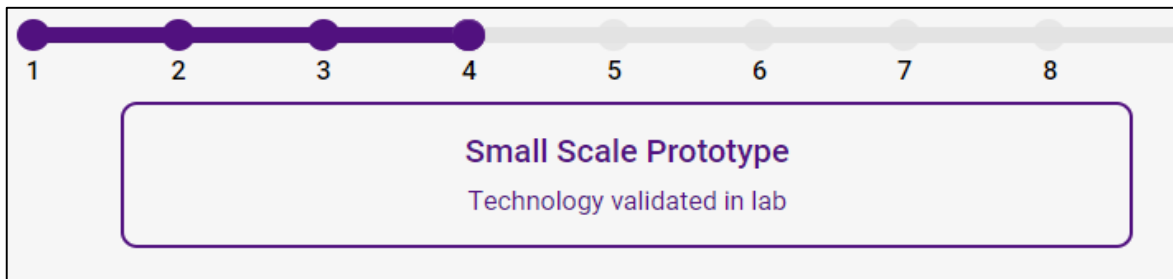


↪ **TRL 2:** określono koncepcję technologii lub jej przyszłe zastosowanie, oparte na przewidywaniach; nie mamy jeszcze żaden dowodów lub analiz potwierdzających przyjęte założenia;

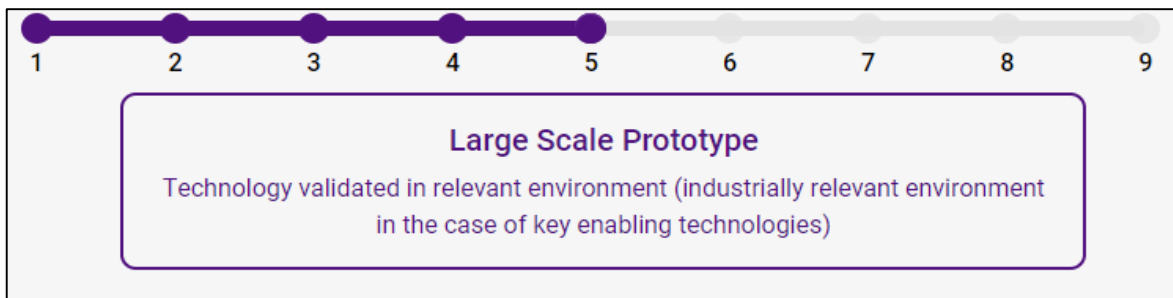


↪ **TRL 3:** potwierdzono analitycznie i eksperymentalnie funkcje lub koncepcje technologii; przeprowadzenie badań analitycznych i laboratoryjnych mających na celu potwierdzenie przewidywań badań naukowych wybranych elementów technologii; komponenty, nie są jeszcze zintegrowane w całość;

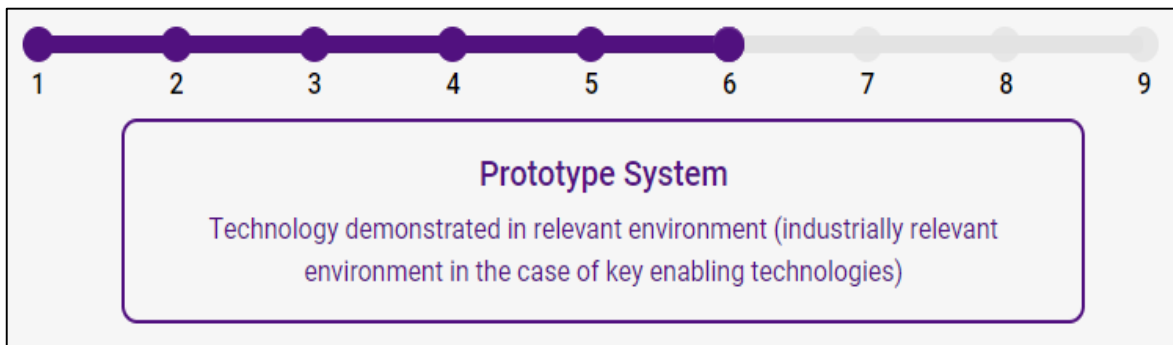
Technology Readiness Levels (TRL)



↪ **TRL 4:** zweryfikowano komponenty technologii lub podstawowe jej podsystemy w warunkach laboratoryjnych; uzyskano ogólne odwzorowanie docelowego systemu w warunkach laboratoryjnych;

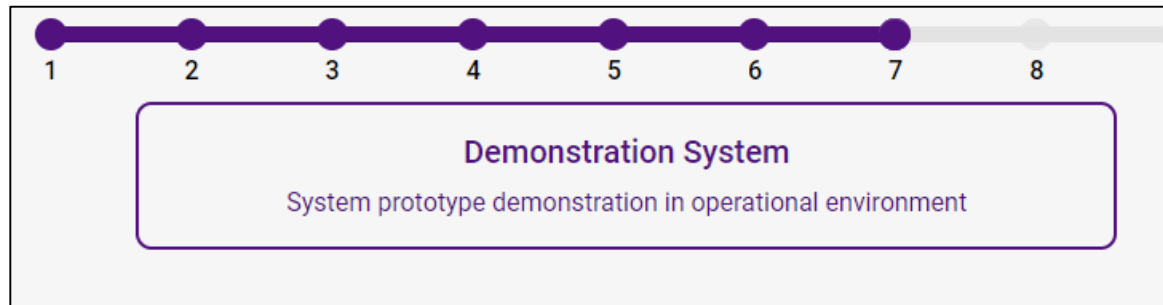


↪ **TRL 5:** Zweryfikowano komponenty lub podstawowe podsystemy technologii w środowisku zbliżonym do rzeczywistego; technologia może być przetestowana w symulowanych warunkach operacyjnych;

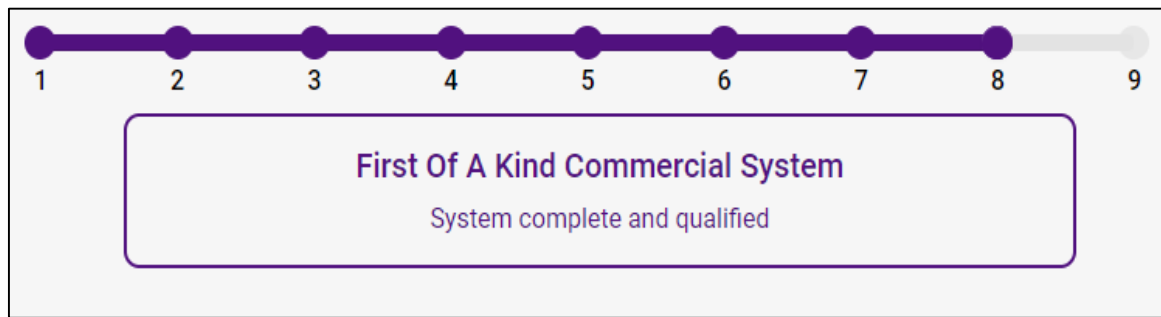


↪ **TRL 6:** dokonano demonstracji prototypu lub modelu systemu albo podsystemu technologii w warunkach zbliżonych do rzeczywistych; do badań na tym poziomie zalicza się badania prototypu w warunkach laboratoryjnych odwzorowujących z dużą wiernością warunki rzeczywiste lub w symulowanych warunkach operacyjnych;

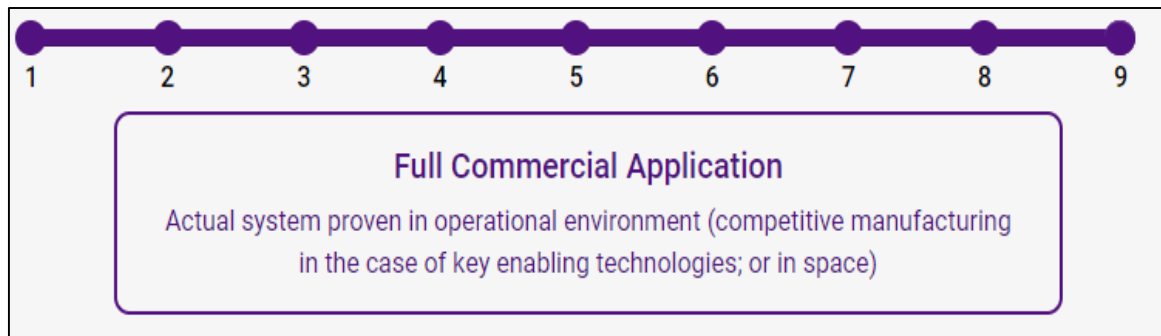
Technology Readiness Levels (TRL)



↪ **TRL 7:** dokonano demonstracji prototypu technologii w warunkach operacyjnych; do badań na tym poziomie zalicza się badania prototypów na tzw. platformach badawczych;



↪ **TRL 8:** zakończono badania i demonstrację ostatecznej formy technologii; potwierdzono, że technologia może być zastosowana w przewidywanych dla niej warunkach;



↪ **TRL 9:** sprawdzenie technologii w warunkach rzeczywistych odniosło zamierzony efekt; demonstrowana technologia jest już w ostatecznej formie i jest wdrażana w docelowym systemie;

Przykłady: w Programach Pracy [RIA,IA] - Technology Readiness Levels (TRL)

Przykłady z Programów Pracy:	
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 8 by the end of the project – see General Annex B. <u>HORIZON-CL5-2022-D4-01-03</u>
<i>Technology Readiness Level</i>	Activities are expected to start at TRL 4 and achieve TRL 6-7 by the end of the project – see General Annex B. <u>HORIZON-CL4-2022-HUMAN-01-19</u>
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 3-5 by the end of the project –see General Annex B. <u>HORIZON-CL6-2022-FARM2FORK-01-06</u>
<i>Technology Readiness Level</i>	Activities are expected to achieve TRL 7-8 by the end of the project –see General Annex B. <u>TOPIC ID: HORIZON-CL3-2022-FCT-01-01</u>

1. Excellence

1.1 Objectives [CSA]

- Briefly describe the objectives of your proposed work. Why are they pertinent to the work programme topic? Are they measurable and verifiable? Are they realistically achievable?

↪ cel projektu - jednoznaczny nie pozwalający na luźną interpretację;

↪ konkretny, mierzalny, realistyczny do osiągnięcia w czasie trwania projektu;

↪ zdefiniowany na pierwszej stronie o wymiarze europejskim;



Przykład: Type of action Coordination and Support Actions CSA

Open schooling for science education and a learning continuum for all; [TOPIC ID: HORIZON-WIDERA-2022-ERA-01-70](https://cordis.europa.eu/project/id/HORIZON-WIDERA-2022-ERA-01-70)

„...The action should consider current policy initiatives. Reference and consideration should be given to previously funded projects. Applicants should develop links with Scientix: <https://cordis.europa.eu/project/id/730009> and consider links with other policy domains such as projects funded under SwafS-26-2020 (Innovators of the future: bridging the gender gap)...”

Przykład: 1.Excellence; 1.1 Objectives

„ The [CEWASTE](#) project contributes to an improved recovery of valuable and critical raw materials (CRMs) from key types of waste through traceable and sustainable treatment processes in the entire supply chain of secondary raw materials. As such, CEWASTE will address the specific challenge to secure the sustainable access to ...

To ensure a comprehensive approach and a robust result, the project will be developed along the following six specific objectives:

Objective 1 - Understand existing recovery practice, standards and verification schemes;

Objective 2 - Develop sustainability and traceability requirements;

Objective 3 - Develop an assurance system and related verification procedures;

Objective 4 - Validate the new voluntary scheme;

Objective 5 - Ensure long term sustainability of the scheme; **Objective 6** - Ensure a transparent stakeholder process.”

<https://cewaste.eu/scope/>

<https://cordis.europa.eu/project/id/820859>



1.Excellence

1.2 Methodology

1.2 Methodology [RIA,IA]	1.2 Coordination and/or support measures and methodology [CSA]
<ul style="list-style-type: none">Describe and explain the overall methodology, including the concepts, models and assumptions that underpin your work. Explain how this will enable you to deliver your project's objectives. Refer to any important challenges you may have identified in the chosen methodology and how you intend to overcome them. <i>[e.g. 10 pages]</i>	<ul style="list-style-type: none">Describe and explain the coordination and/or support measures and the overall methodology, including the concepts, models and assumptions that underpin your work. Explain how this will enable you to deliver your project's objectives. Refer to any challenges you may have identified in the chosen methodology and how you intend to overcome them. <i>[e.g. 4,5 pages]</i>

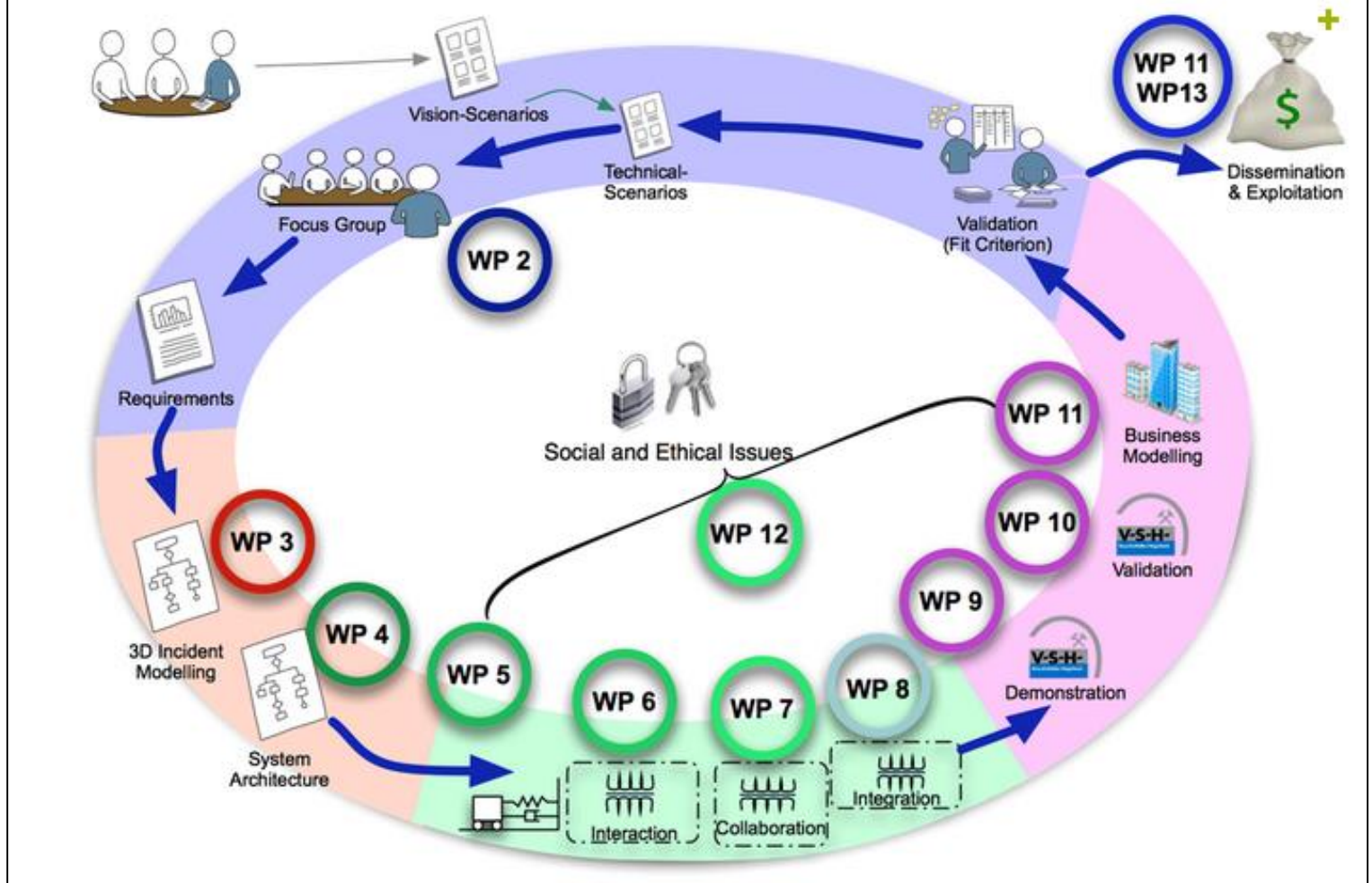
Przykład tematu: Raw material preparation for clean steel production (Clean Steel Partnership)
[HORIZON-CL4-2022-TWIN-TRANSITION-01-13](#)

„... The concepts to be developed under this topic are expected to **address one or more of the** following areas:

- Enhanced utilisation of scrap, through improved scrap sorting and removal of scrap pollution, by new detecting technologies.
The aim is to remove these impurities before melting, in order to achieve the same quality of the finished product and reducing CO2 emissions;
- Technologies allowing upgrade processes in low grade iron ores to make them suitable for pelletisation or direct use in existing steelworks to address the issue of the availability of high grade iron ores which is expected to become a more critical factor in the coming years as well as broadening the types of ore grades that can be utilized from different sources;
- Application of cold bonded agglomerate: binders, raw materials composition and processing conditions for the use of low quality iron ore grades...”

Przykład grafiki: 1.2 Methodology

BRIDGE Methodology is described in the figure below.



1.Excellence

1.2 Methodology

„ Where relevant, include how the project methodology complies with the ‘do no significant harm’ principle as per Article 17 of [Regulation \(EU\) No 2020/852](#) on the establishment of a framework to facilitate sustainable investment (i.e. the so-called 'EU Taxonomy Regulation'). This means that the methodology is designed in a way it is not significantly harming any of the six environmental objectives of the EU Taxonomy Regulation.”

HE Programme Guide: 15. The Do No Significant Harm principle (DNSH)

„... However, evaluators will not score applications in relation to their compliance with the DNSH principle unless explicitly stated in the work programme (currently, this is the case only for actions in the European Innovation Council Work Programme 2021)...”

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide_horizon_en.pdf

1.Excellence

1.2 Methodology [RIA,IA]

- Describe any national or international research and innovation activities whose results will feed into the project, and how that link will be established; *[e.g. 1 pages]*
„...The selected projects are expected to contribute to relevant BRIDGE <https://www.h2020-bridge.eu/> activities....”
- Explain how expertise and methods from different disciplines will be brought together and integrated in pursuit of your objectives. If you consider that an **inter-disciplinary approach** is unnecessary in the context of the proposed work, please provide a justification. *[e.g. 1/2 page]*
- For topics where the work programme indicates the need for the integration of **social sciences and humanities**, show the role of these disciplines in the project or provide a justification if you consider that these disciplines are not relevant to your proposed project. *[e.g. 1/2 page]*

1. Excellence

1.2 Methodology [RIA, IA] „Describe any national or international research and innovation activities”

The image shows two side-by-side screenshots of the CORDIS website. The left screenshot displays the main navigation menu with 'PROJECTS & RESULTS' highlighted in yellow. A dropdown menu is open under 'Project acronym', with 'Project acronym' selected and circled in red. The right screenshot shows a search results page for the term 'obesity', which is also circled in red. The search results indicate '16 results found' and show filters for 'Collection: Projects' and 'Project acronym: obesity'.

H2020 and FP7 projects

CORDIS - Community Research and Development Information Service: <https://cordis.europa.eu/en>

1.Excellence

1.2 Methodology [RIA,IA]

- „ Describe how **the gender dimension (i.e. sex and/or gender analysis)** is taken into account in the project’s research and innovation content [e.g. 1 page]. If you do not consider such a gender dimension to be relevant in your project, please provide a justification.

⚠ *Note: This section is mandatory except for topics which have been identified in the work programme as not requiring the integration of the gender dimension into R&I content.*

Przykład: „... In this topic the integration of the gender dimension (sex and gender analysis) in research and innovation content **is not a** mandatory requirement ...”

⚠ *Remember that that this question relates to the content of the planned research and innovation activities, and not to gender balance in the teams in charge of carrying out the project.*

⚠ *Sex and gender analysis refers to biological characteristics and social/cultural factors respectively. For guidance on methods of sex / gender analysis and the issues to be taken into account, please refer to: https://ec.europa.eu/info/news/gendered-innovations-2-2020-nov-24_en*

Gendered Innovations in Science, Health & Medicine, Engineering, Environment:

<http://genderedinnovations.stanford.edu/index.html>

1.Excellence

1.2 Methodology [RIA,IA]

ANNEX 5 HE RULES ON GENDER MAINSTREAMING

„Examples (measures to promote gender equality within a project): transparency of recruitment and advancement processes, including gender-sensitive language in vacancies and job-descriptions; plans and conditions for career advancement; transparent gender equal wage classification and grading of jobs; development of leadership opportunities; gender planning and budgeting; gender impact assessment of policies; climate surveys of institutions; trainings on unconscious gender biases in recruitment and assessment of researchers, as well as in collaborative work; adoption of family-friendly policies; promotion of gender sensitive mobility and dual-career couples schemes; measures to prevent and address gender based violence such as sexual harassment; ...”

1. Excellence

1.2 Methodology [RIA, IA];

1.2 Coordination and/or support measures and methodology [CSA]

- Describe how appropriate open science practices are implemented as an integral part of the proposed methodology. Show how the choice of practices and their implementation are adapted to the nature of your work, in a way that will increase the chances of the project delivering on its objectives. If you believe that none of these practices are appropriate for your project, please provide a justification here.
 - ⚠ *Open science is an approach based on open cooperative work and systematic sharing of knowledge and tools as early and widely as possible in the process. Open science practices include early and open sharing of research (for example through preregistration, registered reports, pre-prints, or crowd-sourcing); research output management; measures to ensure reproducibility of research outputs; providing open access to research outputs (such as publications, data, software, models, algorithms, and workflows); participation in open peer-review; and involving all relevant knowledge actors including citizens, civil society and end users in the co-creation of R&I agendas and contents (such as citizen science).*
 - ⚠ *Please note that this question does not refer to outreach actions that may be planned as part of communication, dissemination and exploitation activities. These aspects should instead be described below under 'Impact'.*

Open Science w Horyzoncie Europa

- ↪ otwarty dostęp – do wszystkich recenzowanych publikacji naukowych dotyczących projektu, obejmujący również materiały konferencyjne i inne teksty, publikacje takie jak monografie, rozdziały książek, tomy redakcyjne itp.;
- ↪ **bez barier finansowych, prawnych, czy technicznych;**
- ↪ jedynym ograniczeniem powinno być zapewnienie autorom kontroli nad integralnością ich utworów oraz prawa do odpowiedniego uznania ich autorstwa i cytowania ich prac;
- ↪ natychmiastowy dostęp do wszystkich wyników badań na otwartych licencjach *Creative Commons*: pozwalają twórcą utworów zachować własne prawa autorskie, a jednocześnie dzielić się swoją twórczością z innymi; utwory na licencjach *Creative Commons* mogą być wykorzystywane bez konieczności uzyskania każdorazowej, indywidualnej zgody od właściciela praw autorskich;
- ↪ wybór „open access”;

Programme Guide: 16. Open Sciences

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide_horizon_en.pdf



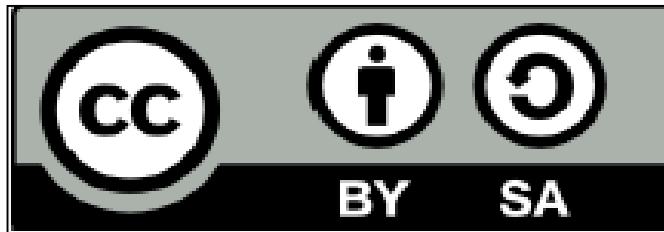
Przykłady licencji Creative Commons



↪ uznanie autorstwa;

↪ z „utworu” można korzystać za darmo;

kopiować	zmieniać i remiksować	rozpowszechniać	przedstawiać i wykonywać	musisz tylko oznaczyć autora oryginału



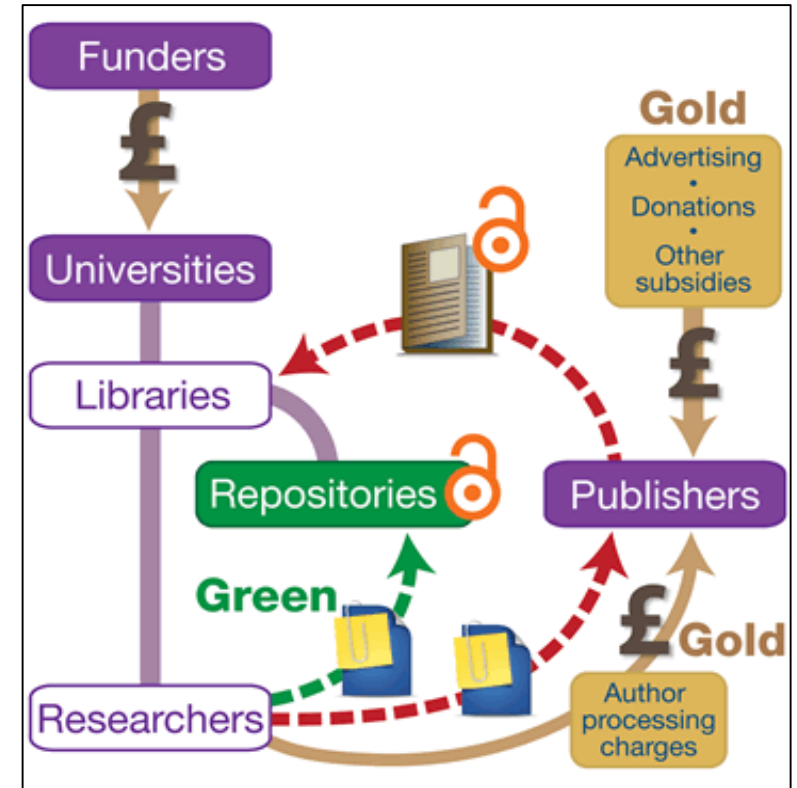
↪ uznanie autorstwa na tych samych warunkach;

kopiować	zmieniać i remiksować	rozpowszechniać	przedstawiać i wykonywać	ale musisz udostępnić go na tej samej licencji	i musisz oznaczyć autora oryginału

Open Access

↪ **Green open access** zapewnienie otwartego dostępu (gratias lub libre) przez autora poprzez zdeponowanie utworu w repozytorium (narzędzie informatyczne służące do deponowania, przechowywania i udostępniania w Internecie bieżącego dorobku naukowego instytucji naukowych (repozytorium instytucjonalne) lub określonych dziedzin naukowych (repozytorium dziedzinowe). Repozytoria mogą służyć do deponowania zarówno publikacji jak wyników badań;

↪ **Gold open access** - zapewnienie otwartego dostępu (gratis lub libre) przez wydawcę, w szczególności poprzez publikację utworu w czasopiśmie naukowym lub książce. OA-journals: <https://doaj.org/>;



1.Excellence

<p>1.2 Methodology [RIA,IA]</p>	<p>1.2 Coordination and/or support measures and methodology [CSA]</p>
<ul style="list-style-type: none"> • Research data management and management of other research outputs: Applicants generating/collecting data and/or other research outputs (except for publications) during the project must provide maximum 1 page on how the data/ research outputs will be managed in line with the FAIR principles (Findable, Accessible, Interoperable, Reusable), addressing the following (the description should be specific to your project). 	<ul style="list-style-type: none"> • Research data management and management of other research outputs: Applicants generating/collecting data and/or other research outputs (except for publications) during the project must provide maximum 1/2 page on how the data/research outputs will be managed in line with the FAIR principles (Findable, Accessible, Interoperable, Reusable).

1.Excellence

1.2 Methodology [RIA,IA]; Data Management Plan [DMP]

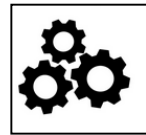
- Research **data management and management of other research outputs**: Applicants generating/collecting data and/or other research outputs (except for publications) during the project must provide maximum 1 page on how the data/ research outputs will be managed in line with the FAIR principles (Findable, Accessible, Interoperable, Reusable), addressing the following (the description should be specific to your project);



Findability of data - możliwe do odnalezienia;



Accessibility of data – dostępne;



Interoperability of data – interoperacyjne;



Reusability of data – możliwe do ponownego wykorzystania;

1.Excellence

1.2 Methodology [RIA,IA]; Dane

- ↪ Jaki rodzaj danych będzie zbierany w trakcie realizacji projektu ?
 - data i sposób utworzenia zasobu informacji, typ dokumentu, słowa kluczowe;
- ↪ Jakie standardy będziemy wykorzystywać przy zbieraniu danych ?
- ↪ Czy będą mogły być wykorzystane zgodnie z zasadą FAIR? Jeżeli nie to dlaczego?
- ↪ W jaki sposób te dane będą nadzorowane i przechowywane?
 - np. mechanizmy przechowywania : tabele (liczba wierszy); przechowywane w postaci czytelnej dla zainteresowanych w formacie takim jak XML (użytkownicy mogą je zrozumieć i edytować bez specjalistycznych narzędzi) czy w formacie Binarnym wymaga specjalnego oprogramowania do konwersji informacji na treść czytelną;
- ↪ Kto w konsorcjum będzie odpowiedzialny za zarządzanie danymi?



1.Excellence

1.2 Methodology [RIA,IA]; Data Management Plan [DMP]

- ⚠ *Proposals selected for funding under Horizon Europe will need to develop a detailed data management plan (DMP) for making their data/research outputs findable, accessible, interoperable and reusable (FAIR) as a **deliverable by month 6 and revised towards the end of a project's lifetime.***

Co powinien zawierać Data Management Plan ?

- ↪ ocenę danych już dostępnych jeżeli takie są;
- ↪ charakterystyka , rodzaj zbieranych/przetwarzanych danych; opis sposobu gromadzenia danych;
- ↪ data i sposób utworzenia zasobu informacji, typ dokumentu, informacje dotyczące dostępu do zasobu, tytuł, streszczenie, autor oraz słowa kluczowe;
- ↪ informacje kto jest właścicielem własności intelektualnej, kto będzie odpowiedzialny za zarządzanie danymi;
- ↪ procedury związane z aspektami etycznymi pozyskiwania danych; opis procedur zapewniających kontrolę jakości danych;
- ↪ plan dostępu do danych oraz jak się nimi będziemy dzielić? czy będzie można je powtórnie wykorzystać?
- ↪ jak będziemy je przechowywać?

Przykłady w raportach projektów z H2020: Data Management Plan (DMP)

D11.8 Data Management Plan

https://pocityf.eu/wp-content/uploads/2020/09/POCITYF-864400_D11.8_Data-Management-Pla



D9.2 Data Management; Plan-first version

<https://vicinity2020.eu/vicinity/content/d92-data-management-plan-first-version>



D9.2 – Data Management Plan (DMP)

<https://www.moloko-project.eu/wp-content/uploads/2019/04/D9.2-%E2%80%93-Data-Management-P>



D9.2 Data Management Plan

<https://agricore-project.eu/wp-content/uploads/2021/06/D9.2.pdf>



Deliverable D1.2 Data management plan (Partnerem w projekcie - Wyższa Szkoła Policji w Szczytnie):

https://www.takedownproject.eu/wp-content/uploads/2018/04/TAKEDOWN_700688_D1.2-Data-management-plan_update_M18.pdf



EU Grants: Application form (HE RIA/IA)

2.Impact

2.1 Project's pathways towards impact [np.: 4 strony]

2.2 Measures to maximise impact - Dissemination, exploitation and communication

[np.: 5 stron razem z sekcją 2.3]

2.3 Summary

EU Grants: Application form (HE CSA)

2.Impact

2.1 Project's pathways towards impact [np.: 4 strony]

2.2 Measures to maximise impact - Dissemination, exploitation and communication

[np.: 5 stron razem z sekcją 2.3]

2.3 Summary



Przykład: Expected Outcome i Impact- Thermal energy storage solutions

Expected Outcome:

Project results are expected to contribute to all of the following expected outcomes:

- Develop and demonstrate novel modular, compact, high performances, thermal energy storage solutions (TES) for heating, hot tap water and cooling for electricity load shifting. The integration of the solution within the energy networks of the building and its system management should allow different functions, such as peak load reduction, energy saving, energy cost minimization.
- Develop and demonstrate a novel thermal energy storage system much more compact than state-of-the-art technologies, enabling the storage of heat and cold for domestic applications for periods typically of 4 weeks long...

Destination - Sustainable, secure and competitive energy supply ...

This Destination contributes to the following Strategic Plan's **Key Strategic Orientations (KSO)**:

- C: Making Europe the first digitally enabled circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems;
- A: Promoting an open strategic autonomy[['Open strategic autonomy' refers to the term 'strategic autonomy while preserving an open economy', as reflected in the conclusions of the European Council 1 – 2 October 2020.]] by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations;

It covers the following **impact areas**:

- Industrial leadership in key and emerging technologies that work for people;
- Affordable and clean energy.

Przykład: Expected Outcome i Impact - Open schooling for science education and a learning continuum for all

Expected Outcome:

Projects are expected to contribute **to the following expected outcomes:**

- Promote creation of new partnerships that foster networking, sharing and applying science and technology research findings amongst teachers, researchers and professionals across different enterprises;
- Engage learners in meaningful real-life problem-solving situations, within education, the workplace and other learning environments;
- Encourage science studies and science careers by supporting cross-community networks of stakeholders to address issues such as the Green Deal, Health and Digitalisation;
- Increase female participation in science studies and science careers and deconstruct gender stereotypes;
- Foster, share and apply science and innovation research to different genres of enterprises eg start-ups, SMEs, entrepreneurs;
- Encourage mentoring across the different groups involved in the partnerships in order to take full advantage of science, technology, research and innovation;
- Encourage industry-funded innovation to become part of lifelong learning programmes

Destination - Reforming and enhancing the EU research and innovation system...

Expected impact:

Proposals for topics under this Destination should set out a credible pathway to contributing to the following expected impacts:

- Reform and Enhance the EU R&I system
- Prioritisation of investments and reforms, realisation of the recovery and the twin transitions
- Improved access to excellence

EUROPEAN COMMISSION

https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/ec_rtd_horizon-europe-strategic-plan-2021-24.pdf

HORIZON EUROPE

STRATEGIC PLAN 2021 – 2024



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2. Impact

2.1 Project's pathways towards impact

- Provide a **narrative** explaining how the project's results are expected to make a difference in terms of impact, beyond the immediate scope and duration of the project. The narrative should include the components below, tailored to your project.
 - (a) Describe the unique contribution your project results would make towards (1) the **outcomes** specified in this topic, and (2) the **wider impacts**, in the longer term, specified in the respective **destinations in the work programme**.
 - ⚠ *Be specific, referring to the effects of your project, and not R&I in general in this field.*
 - ⚠ *State the target groups that would benefit. Even if target groups are mentioned in general terms in the work programme, you should be specific here, breaking target groups into particular interest groups or segments of society relevant to this project.*

2. Impact

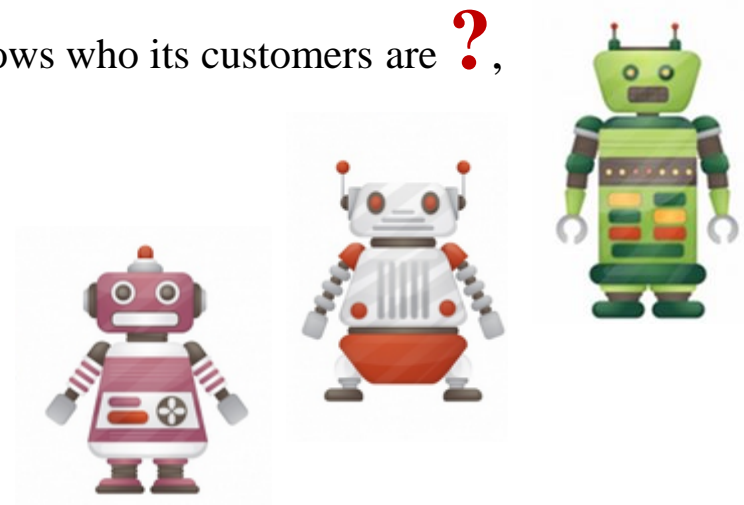
2.1 Project's pathways towards impact - „target groups”

↪ określ konkretnie grupy docelowe , które będą zainteresowane rezultatami projektu np.:

- rodzaj rynku docelowego, trendy?
- wielkość, dostępność ?
- odbiorcy, grupy docelowe/ użytkownicy? - identyfikacja interesariuszy (ang.stakeholders);
- określenie ich potrzeb, wymagań i oczekiwań;

↪ **błąd:** „...on developing a plan as part of the strategy ... The company already knows who its customers are ? ,

but it must reach all of them ...”



Przykład: 2.Impact

2.1 Project's pathways towards impact - „target groups”(1)

„...The target groups that have been specified in the proposal include all potential stakeholders from Advertising and marketing, Architecture, Crafts, Design (product, graphic and fashion design), Artists and the printing industry. Besides the very defined target audiences that have been already defined in the DecoChrom project proposal,...”

Primary Stakeholder Groups:

Institutions

- Public and private institutions
- Political institutions
- other authorities

Industry

- Creative industries
- Final consumer product (across wide domain)
- Chemicals (suppliers of base materials, potential upscaling partners)
- Industrial printing (incl. printed electronics printing)
- Electronic component suppliers



Przykład: 2.Impact

2.1 Project's pathways towards impact - „target groups”(2)

- Internet-of-Things companies
- Start-ups and incubators

Scientific Community

- Design
- Ambient intelligence
- Printing
- Electronics
- Chemistry
- STEAM Educations

[Communication strategy report](#)

<https://cordis.europa.eu/project/id/760973/results>

Partnerem w projekcie: Komenda Główna Policji

<https://cordis.europa.eu/project/id/832981>

Standardization & industry bodies

- Industry specific standardization bodies (chemicals, electronics, consumer end product categories)
- Industry associations (e.g. OE-A)
- Disposal and recycling entities (public & private)

Financing bodies

- Business angels and venture capital communities
- European Investment Bank

Society

- European citizens
- General society



Przykład: 2.Impact

2.1 Project's pathways towards impact - „target groups”

„ ... The role of **end users** is central in the ROCARE-project. A number of experts from many European countries is directly involved in the project in a way to help identify problems and research priorities, and develop the optimum solutions from the perspective of the conservation practice.

... a two-days workshop in Vienna. The aim was:

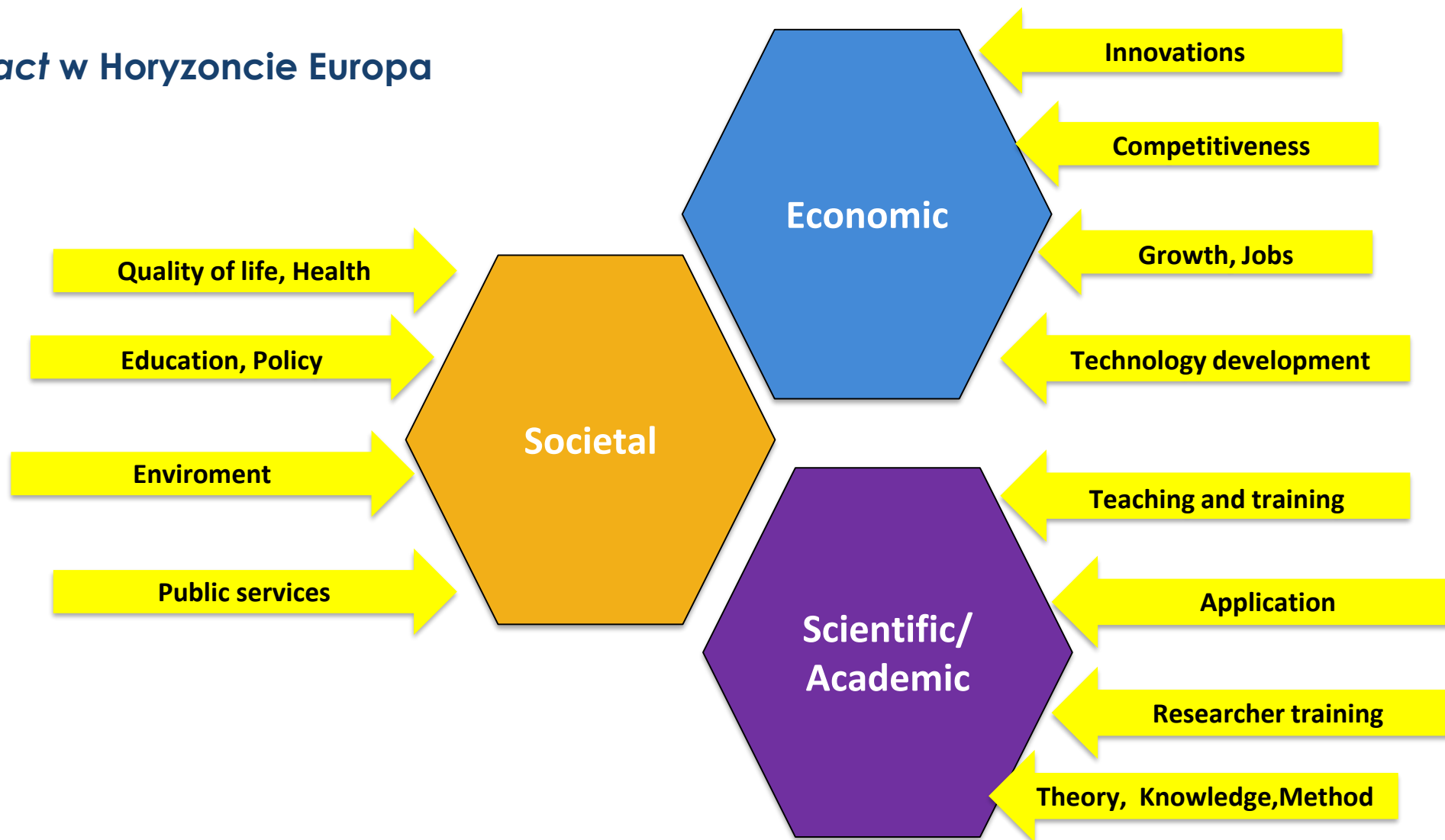
- to identify barriers preventing the use of the Roman cement technology,
to discuss the methodology of the project involving a range of measures aiming at the optimisation of handling cements and mortars,
- to give opinions, expectations and recommendations of the end-users which will be used in planning the laboratory work and field tests within the project,
- to facilitate local conservation projects to be carried out by conservation partners from the SME sectors...”



Jednostki polskie jako partnerzy projektu:

- ✓ INSTYTUT KATALIZY I FIZYKOCHEMII POWIERZCHNI IM. JERZEGO HABERA POLSKA AKADEMIA NAUK,
- ✓ RENOVA Sp. z o.o.
- ✓ Instytut Szkła, Ceramiki, Materiałów Ogniotrwałych i Budowlanych

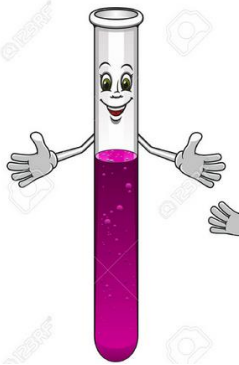
Impact w Horyzoncie Europa



2. Impact

2.1 Project's pathways towards impact

⚠ *The outcomes and impacts of your project may:*




- *Scientific, e.g. contributing to specific scientific advances, across and within disciplines, creating new knowledge, reinforcing scientific equipment and instruments, computing systems (i.e. research infrastructures);*
- *Economic/technological, e.g. bringing new products, services, business processes to the market, increasing efficiency, decreasing costs, increasing profits, contributing to standards' setting, etc.*
- *Societal , e.g. decreasing CO₂ emissions, decreasing avoidable mortality, improving policies and decision making, raising consumer awareness.*

Only include such outcomes and impacts where your project would make a significant and direct contribution. Avoid describing very tenuous links to wider impacts. However, include any potential negative environmental outcome or impact of the project including when expected results are brought at scale (such as at commercial level). Where relevant, explain how the potential harm can be managed

2. Impact

2.1 Project's pathways towards impact

- (a) Describe the unique contribution your project results would make towards (1) the **outcomes** specified in this topic, and (2) the **wider impacts**, in the longer term, specified in the respective **destinations in the work programme**.
- (b) Describe any requirements and potential barriers** - arising from factors beyond the scope and duration of the project - that may determine whether the desired outcomes and impacts are achieved. These may include, for example, other R&I work within and beyond Horizon Europe; regulatory environment; targeted markets; user behaviour. Indicate if these factors might evolve over time. Describe any mitigating measures you propose, within or beyond your project, that could be needed should your assumptions prove to be wrong, or to address identified barriers.

 *Note that this does not include the critical risks inherent to the management of the project itself, which should be described below under 'Implementation'.*



Przykłady: 2.Impact

2.1 Project's pathways towards impact – „Describe any requirements and potential barriers”

Przykład 1: „GDPR specifies some principles that may affect the flow of personal data among actors in the smart grid.

- 1) Purpose limitation principle prevents from using personal data for new purposes if they are 'incompatible' with the original purpose for collecting the data. The original purpose could be well defined and known by the user but the transmission of these data to other actor for other purpose is not allowed by default.
- 2) Data Minimisation principle states that data collected and processed should not be held or further used unless this is essential for reasons that were clearly stated in advance to support data privacy. This affects and limits the exchange of sensitive data between actors in the smart grid system.

These criteria impose restrictions on the capture, storage and distribution processes that should be carefully analysed by the partners.”

Przykład 2: „... The barriers to energy efficiency investments in buildings:

- Informational barriers, such as imperfect information: for example, lack of information and knowledge about energy-efficient and sustainable materials and products (see more details about informational barriers below, based on Giraudet 2018).¹
- Behavioural barriers, such as lack of shared objectives, other priorities, inertia (e.g. conservatism in the building industry, aversion to change), bounded rationality....”

2. Impact

2.1 Project's pathways towards impact

- (a) Describe the unique contribution your project results would make towards (1) the outcomes specified in this topic, and (2) the wider impacts, in the longer term, specified in the respective destinations in the work programme.
- (b) Describe any requirements and potential barriers - arising from factors beyond the scope and duration of the project - that may determine whether the desired outcomes and impacts are achieved. These may include, for example, other R&I work within and beyond Horizon Europe; regulatory environment; targeted markets; user behaviour. Indicate if these factors might evolve over time. Describe any mitigating measures you propose, within or beyond your project, that could be needed should your assumptions prove to be wrong, or to address identified barriers.
- (c) Give an indication of the scale and significance of the project's contribution to the expected outcomes and impacts, should the project be successful. Provide quantified estimates where possible and meaningful.

⚠ *'Scale' refers to how widespread the outcomes and impacts are likely to be. For example, in terms of the size of the target group, or the proportion of that group, that should benefit over time; 'Significance' refers to the importance, or value, of those benefits. For example, number of additional healthy life years; efficiency savings in energy supply.*

⚠ *Explain your baselines, benchmarks and assumptions used for those estimates. Wherever possible, quantify your estimation of the effects that you expect from your project. Explain assumptions that you make, referring for example to any relevant studies or statistics. Where appropriate, try to use only one methodology for calculating your estimates: not different methodologies for each partner, region or country (the extrapolation should preferably be prepared by one partner).*

⚠ *Your estimate must relate to this project only - the effect of other initiatives should not be taken into account.*

2. Impact

2.2 Measures to maximise impact - Dissemination, exploitation and communication

- Describe the planned measures to maximise the impact of your project by providing a first version of your 'plan for the dissemination and exploitation including communication activities'. Describe the dissemination, exploitation and communication measures that are planned, and the target group(s) addressed (e.g. scientific community, end users, financial actors, public at large).

⚠ Please remember that this plan is an admissibility condition, unless the work programme topic explicitly states otherwise. In case your proposal is selected for funding, a more detailed '**plan for dissemination and exploitation including communication activities**' will need to be provided as a mandatory project deliverable **within 6 months after signature date**. This plan shall be periodically updated in alignment with the project's progress.


AGA — Annotated Model Grant Agreement

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf



Communication, Dissemination, Exploitation ?

Communication activities: active promotion of the project and the results by providing targeted information to multiple audiences in a strategic and effective manner. Proactive engagement with the stakeholders and public;



Dissemination: public disclosure and distribution **of the project results**, including e.g. in scientific conferences and publications;



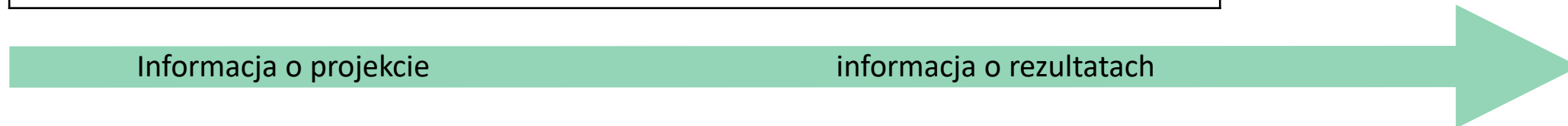
Exploitation: the use of results in further research beyond the project, in products, processes or services, or in standardisation;



2. Impact

2.2 Measures to maximise impact - Dissemination, exploitation and communication

COMMUNICATION	DISSEMINATION	
Covers the whole project (including results)	Covers project results only	<ul style="list-style-type: none"> • Project website, videos, interview, articles in magazines, exhibitions/ open days, guided visits, conference, • presentation and workshops, Scientific publications, • Training/demonstration, • Sharing results on online repository (research data, software, reports);
Starts at the outset of the project	Happens only once results are available	
Multiple audiences Beyond the project's own community, including the media and general public. Multiplier effect.	Specialist audiences Groups that may use the results in their own work, including peer groups, industry, professional organisations, policymakers	
Informing and engaging with society, to show how it can benefit from research	Enabling the take-up and use of results	
<p><u>Grant Agreement</u>: <i>ARTICLE 17 — COMMUNICATION, DISSEMINATION AND VISIBILITY</i></p>		



Social media guide for EU funded R&I projects:

https://ec.europa.eu/research/participants/data/ref/h2020/other/grants_manual/amga/soc-med-guide_en.pdf

2. Impact

2.2 Measures to maximise impact - Dissemination, exploitation and communication

⚠ *Communication measures should promote the project throughout the full lifespan of the project. The aim is to inform and reach out to society and show the activities performed, and the use and the benefits the project will have for citizens. Activities must be strategically planned, with clear objectives, start at the outset and continue through the lifetime of the project. The description of the communication activities needs to state the main messages as well as the tools and channels that will be used to reach out to each of the chosen target groups.*

- ↪ promocja projektu: informacja o celach projektu i zaangażowanych instytucjach w projekt;
- ↪ informacja prasowa, w telewizji, nawiązanie współpracy z innymi projektami;
- ↪ **strona projektu**, ulotki, media społecznościowe (blogs, Twitter, Facebook, LinkedIn);
- ↪ targi, konferencje, seminaria, itp.;



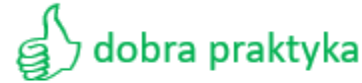
Guidance Social media guide for EU funded R&I projects

https://ec.europa.eu/research/participants/data/ref/h2020/other/grants_manual/amga/soc-med-guide_en.pdf

2. Impact

2.2 Measures to maximise impact - Dissemination, exploitation and communication

- ⚠️ *All measures should be **proportionate to the scale of the project**, and should contain concrete actions to be implemented both **during and after the end of the project**, e.g. standardisation activities. Your plan should give due consideration to the possible follow-up of your project, once it is finished. In the justification, explain why each measure chosen is best suited to reach the target group addressed. Where relevant, and for innovation actions, in particular, **describe the measures for a plausible path to commercialise the innovations.***



„...Proposals submitted under this topic should include a business case and exploitation strategy, as outlined in the introduction to this Destination....” [TOPIC ID: HORIZON-CL4-2022-TWIN-TRANSITION-01-13](#)

- ⚠️ *If exploitation is expected primarily in non-associated third countries, justify by explaining how that exploitation is still in the Union’s interest.*
- ⚠️ *Describe possible feedback to policy measures generated by the project that will contribute to designing, monitoring, reviewing and rectifying (if necessary) existing policy and programmatic measures or shaping and supporting the implementation of new policy initiatives and decisions.*

2. Impact

2.2 Measures to maximise impact - Dissemination, exploitation and communication

- ↪ *Organisation of a Conference,*
- ↪ *Organisation of a workshop,*
- ↪ *Press release, Video/film,*
- ↪ *Non-scientific and non-peer reviewed publications (popularised publications)*
- ↪ *Exhibition, Flyers. , Training, Brokerage event,*
- ↪ *Social media, Web-site*
 - ↪ *Communication campaign (e.g radio, TV)*
 - ↪ *Participation to a conference*
 - ↪ *Participation to a workshop*
 - ↪ *Participation to an event other than a conference or workshop*
 - ↪ *Participation in activities organised jointly with other HE project(s)*





HORIZON DASHBOARD



<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-dashboard>

Implementation figures

This section presents an overview on evaluated proposals (incl. success rates) and detailed statistics and data on funded projects and their participants in EU R&I programmes, broken down by countries and regions, research domain/programme part, organisation type, etc.

H2020 Proposals

H2020 Funded Projects

FP7 Funded Projects

R&I Proposals

Country Profiles

Find out more about country-specific performance in EU R&I programmes: funding received, participations by region, top beneficiaries, collaboration with other countries, SME participation and more - all the information at your fingertips!

Country Profiles

Country Summary fiches and success stories are also available on the Europa website.

Horizon 2020 Framework Programme (H2020)



clear filter 

HORIZON RESULTS PLATFORM

MAKING RESULTS MATTER

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-results-platform>

„ ...Beneficiaries **are strongly encouraged** to consider the use of this free Platform to their own benefit, at any stage of the project, during as well as after the end of the project, provided they have key exploitable results...”

AGA — Annotated Model Grant Agreement:

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf



Funding & tender opportunities

Single Electronic Data Interchange Area (SEDIA)



SEARCH FUNDING & TENDERS ▾

HOW TO PARTICIPATE ▾

PROJECTS & RESULTS

WORK AS AN EXPERT

SUPPORT ▾

Horizon 2020 Framework Programme (H2020)



Horizon Results Booster



<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/d-e-booster>

European Commission > Horizon 2020 > Innovation Radar >

Discover Great EU-funded Innovations

Home

Spotlight

Explore

UN SDGs

IR Prize

Dealflow

About



Innovator's login





About Innovation Radar

The Innovation Radar is a European Commission initiative to identify high potential innovations and innovators in EU-funded research and innovation projects. Our goal is to allow every citizen, public official, professional and business person to discover the outputs of EU innovation funding and give them a chance to seek out innovators who could follow in the footsteps of companies such as Skype, TomTom, ARM Holdings, all of whom received EU funding in their early days.

This platform is a first step to achieving such ambitions. We will make information about EU-funded innovations from high-quality projects visible and accessible to the public via the Innovation Radar platform.



Przykłady z Horyzontu 2020 – „Plan for the dissemination and exploitation including communication activities”

	<p>D6.1: Dissemination and Exploitation Plan and Annual Dissemination Report 1 https://icarus-alloys.eu/sites/default/files/public_deliverables/D6.1_Dissemination_and_Exploitation_Plan.pdf https://cordis.europa.eu/project/id/713514</p>
	<p>D6.5–Plan for the Exploitation and Dissemination of Results (PEDR) https://www.dream-euproject.eu/wp-content/uploads/2017/01/Dream-dissemination-exploitation-min.pdf https://cordis.europa.eu/project/id/723699</p>
	<p>D7.5 Report On The Dissemination And Exploitation Activities And Results https://www.marina-platform.eu/public_/viewFile/5c41d46c302bcc0791173246 https://cordis.europa.eu/project/id/710566</p>
	<p>Deliverable D6.2 Communication & Dissemination Plan https://www.sparcs-h2020.eu/wp-content/uploads/2020/01/S-PARCS-785134-D6.2_Disseminatin_EQY_Resub.pdf https://cordis.europa.eu/project/id/785134</p>

2. Impact

2.2 Measures to maximise impact - „intellectual property”

- Outline your **strategy for the management of intellectual property**, foreseen protection measures, , such as patents, design rights, copyrights, trade secrets, etc., and how these would be used to support exploitation.
 - ⚠ *If your project is selected, you will need an appropriate **consortium agreement** to manage (amongst other things) the ownership and access to key knowledge (IPR, research data etc.). Where relevant, these will allow you, collectively and individually, to pursue market opportunities arising from the project.*
 - ⚠ *If your project is selected, you must indicate the owner(s) of the results (results ownership list) in the final periodic report.*



2. Impact

2.2 Measures to maximise impact - „intellectual property”

⇒ **“background”** is generated before the R&D collaboration;

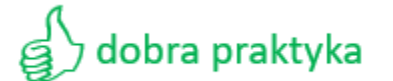
- wszelkie dane, know-how lub informacje - niezależnie od ich formy lub charakteru (materialne lub niematerialne), w tym wszelkie prawa, takie jak prawa własności intelektualnej, które:

a) są w posiadaniu beneficjentów przed przystąpieniem do umowy [o udzielenie dotacji], oraz

b) są konieczne do realizacji działania lub wykorzystania jego wyników;

⇒ identyfikacja istniejącej wiedzy, którą każda ze stron wnosi do konsorcjum w celu pomyślnej realizacji projektu. Uzgodnieniu

„tego, co jest potrzebne” dla projektu z innymi partnerami. **Ustalenie zasad i dotyczących praw dostępu do tej wiedzy.**



Annotated Model Grant Agreement: ARTICLE 16 — INTELLECTUAL PROPERTY RIGHTS (IPR) — BACKGROUND AND RESULTS

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf

2. Impact

2.2 Measures to maximise impact - „intellectual property”

↪ **“foreground”** is generated during the R&D collaboration;

- oznacza wyniki, w tym informacje, uzyskane w wyniku realizacji danego projektu, niezależnie od tego, czy mogą one zostać objęte ochroną. Wyniki te obejmują prawa autorskie i pokrewne, prawa do wzorów przemysłowych, prawa patentowe, prawa do odmian roślin i podobne formy ochrony prawnej;
 - **Dobra materialne:** prototypy, mikroorganizmy, kody źródłowe itp.;
 - **Dobra niematerialne:** wynalazki i patenty, wzory użytkowe, utwory (np. publikacje, rysunki, programy komputerowe), bazy danych, know-how itp.;



Annotated Model Grant Agreement: ANNEX 5 HE IPR RULES

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf

2. Impact

2.2 Measures to maximise impact - „intellectual property”

↪ "*sideground*" is generated during the collaboration phase but in not-project related activities;

Zabezpiecz swoją wiedzę wchodząc do konsorcjum projektowego!



↪ **Consortium agreement (CA) – Umowa Konsorcjum** – umowa wewnętrzna , zawarta między partnerami w konsorcjum w celu realizacji projektu. Umowa pozwala na określenie szczegółowych przepisów administracyjnych, zarządzania konsorcjum jak również władnością intelektualną, niezbędnych do realizacji projektu.

↪ *joint ownership agreement*;

↪ umowa zachowaniu poufności;



Umowy w Horyzoncie Europa

↪ **Umowa Konsorcjum - Consortium agreement (CA)** powinna między innymi:





- ↪ regulować wewnętrzną organizację konsorcjum (strukturę, sposoby podejmowania decyzji);
- ↪ zasady podziału wkładu finansowego Komisji Europejskiej (w tym ewentualnych przesunięć pierwotnego budżetu);
- ↪ zasady dotyczące zarządzania prawami własności intelektualnej i poufności;
- ↪ procedury rozstrzygania sporów;
- ↪ zasady ponoszenia odpowiedzialności związane z wykonywaniem zadań merytorycznych;

↪ Umowa o współwłasności wyników projektu:

- zasady dotyczące terytorialnego podziału dotyczącego rejestracji wynalazku;
- zasady dotyczące podziału rynków pomiędzy współwłaścicieli;
- ustalenia dotyczące sposobu ochrony wynalazku;
- ustalenia dotyczące zasad korzystania i czerpania zysków z wynalazku.



Przykłady z raportów projektu z H2020 – „intellectual property”

	<p>D8.1 IPR MANAGEMENT PROCEDURES</p>	<p>http://www.gridsolproject.eu/wp-content/uploads/2017/09/D8.1_IPR-Management-procedures_v1.0.pdf</p>
	<p>IPR Management Report</p>	<p>https://ec.europa.eu/research/participants/documents/downloadPublic?documentIds=080166e5b62169e2&appId=PPGMS</p>
	<p>IPR Policy implementation: establishing IPR protection rules</p>	<p>http://fissacproject.eu/wp-content/uploads/2017/09/FISSAC-D8.2-IPR-Summary.pdf</p>
	<p>Deliverable 8.3 – IPR Management Plan</p>	<p>https://flotantproject.eu/wp-content/uploads/2020/04/190930-FLT-WP8-D8.3-V1.pdf</p>

IP Helpdesk

https://intellectual-property-helpdesk.ec.europa.eu/index_en

The screenshot shows the top section of the IP Helpdesk website. At the top left is the European Commission logo. To its right is a search bar with a 'Search' button. Below this is a dark blue navigation bar with the text 'IP Helpdesk' on the left and several menu items: 'Home', 'National helpdesks', 'IP management and resources', 'About', and 'News & Events'. A 'Services' dropdown menu is open, displaying 'Helpline' and 'Training' as options.

https://intellectual-property-helpdesk.ec.europa.eu/services/training_en

Horizon IP Scan

Horizon IP Scan is an **IP support service** provided by the **European Commission** specifically designed to help European start-ups and other SMEs to manage and valorise IP in EU-funded collaborative R&I efforts.



https://intellectual-property-helpdesk.ec.europa.eu/horizon-ip-scan_en

'IP Booster' services

„ ...Horizon Europe will support and incentivise beneficiaries in their dissemination and exploitation activities during and after their project lifetime through a set of integrated services, including **the Horizon Results Platform, the Horizon Results and 'IP Booster' services**, the Horizon Impact Award, as well as through synergies with other EU programmes ...”

HORIZON EUROPE STRATEGIC PLAN 2021 – 2024

https://ec.europa.eu/info/sites/default/files/research_and_innovation/funding/documents/ec_rtd_horizon-europe-strategic-plan-2021-24.pdf



<https://ipbooster.meta-group.com/>

2. Impact

2.2 Measures to maximise impact - Dissemination, exploitation and communication

[TOPIC ID: HORIZON-CL5-2021-D2-01-02](#)

„Expected Outcome:

Projects are expected to contribute to the following outcomes:

- Advanced Li-ion batteries delivering on cost, performance, safety, sustainability and recyclability, with clear prospects ...
- Increase in energy density and hence increasing driving distance at reduced cost on module and pack level, ...
- Broader user acceptance leading to a significantly broader market penetration, helping to reduce GHG emissions of the transport...

Translating these outcomes into indicative KPIs to guide the R&I efforts, it is recommended to target the following for impact by 2025 and beyond:

- Gravimetric, volume energy density at cell level of 350-400 Wh/kg, 750-1000 Wh/l respectively.
- Power density at cell level of 700 W/kg, 1500+ W/L.
- For high voltage application, operation at 4.7+ Volt.
- 3000+ and 2000+ deep cycles for high capacity and high voltage applications respectively.
- Cost at pack level < 100 euro/kWh...”

Key Performance Indicators [KPI] - Kluczowe Wskaźniki Efektywności w projektach HE

↪ ilościowe i jakościowe wskaźniki stosowane jako mierniki w procesach pomiaru stopnia realizacji celów projektu/organizacji ;

↪ **o wymiarze ekonomicznym** np. :

- obroty przedsiębiorstwa;
- zyski i wartość produktu;
- wielkość sprzedaży;
- kapitał zaangażowany w badania i rozwój;
- wzrost zatrudnienia – liczba zatrudnionych osób?



↪ **o wymiarze środowiskowym** np.:

- poprawa jakości powietrza obniżenie emisji dwutlenku węgla, ozonu itp.;
- ograniczenie ilości stosowanych nawozów oraz środków ochrony roślin;
- redukcja wykorzystania minerałów kopalnych;

Key Performance Indicators [KPI] - Kluczowe Wskaźniki Efektywności w projektach HE

↪ o wymiarze środowiskowym c.d np.:

- Ilość odnawialnych źródeł energii;
- redukcja ilości odpadów;
- zapotrzebowanie na energię i jej zużycie;






↪ o wymiarze społecznym/naukowym np.:

- ilość publikacji;
- ilość naukowców korzystających z danej infrastruktury;
- ilość uczestników szkoleń;
- zadowolenie klientów;



Przykłady Key Performance Indicators [KPI] w raportach projektowych H2020

	<p>Deliverable 01.04 Common methodology and KPIs for design, testing and validation https://european-iot-pilots.eu/wp-content/uploads/2017/10/D01_04_WP01_H2020_CREATE-IoT_Final.pdf https://cordis.europa.eu/project/id/732929</p>
	<p>D7.1 Approach and Methodology for Monitoring and Evaluation https://cityxchange.eu/wp-content/uploads/2019/08/D7.1-Approach-and%E2%80%93Methodology-for-Monitoring-and-Evaluation.pdf https://cordis.europa.eu/project/id/824260</p>
	<p>Deliverable 1.1 Report on the list of selected KPIs for each Transition Track https://irissmartcities.eu/sites/default/files/documents/d1.1_report_on_the_list_of_selected_kpis_for_each_transition_track.pdf https://cordis.europa.eu/project/id/774199</p>

Media społecznościowe w projekcie

- Do kogo chcesz skierować swoją informację?
- Jakich platform społecznościowych używają grupy docelowe ?
- Kto w konsorcjum będzie najlepszy do realizacji tych zadań?
- Kluczowe wskaźniki efektywności – *Key performance indicators (KPI)*;
- Jak często będziemy publikować informacje?



Media społecznościowe najczęściej używane w projektach (*Social media*): np. *Twitter, Facebook, LinkedIn, Google+, Instagram, Pinterest*;



Guidance Social media guide for EU funded R&I projects:

http://ec.europa.eu/research/participants/data/ref/h2020/other/grants_manual/amga/soc-med-guide_en.pdf

Przykłady Key Performance Indicators [KPI] w raportach projektowych H2020

D8.3 Plan for the dissemination of the project results and impact of WP8 activities

4.1 Website

<https://www.in-prep.eu/>

KPI:



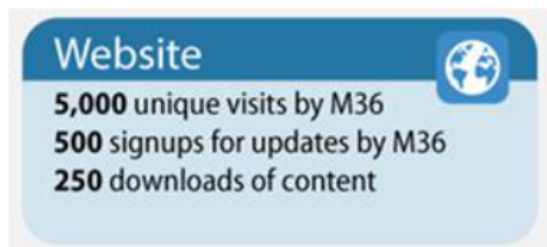
Unique visits



Signups for updates



Downloads of content



Month 18

4,000 unique visits

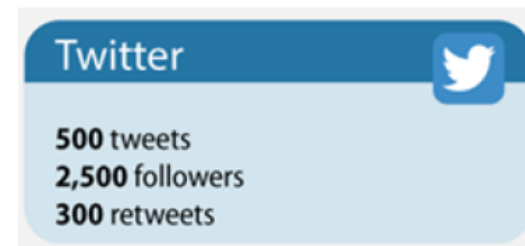
For signups for updates, we used the IN-PREP newsletter as an update of the project. The newsletter received 33 views on line and 58 sign ups to mailchimp.

577 downloads of content

4.5 Twitter

https://twitter.com/INPREP_EU

KPI:



Tweets



Followers



Retweets

Month 18

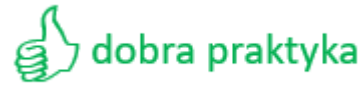
2043 tweets

805 followers

882 retweets

2. Impact

2.3 Summary „impact canvas”



SPECIFIC NEEDS	EXPECTED RESULTS	D & E & C MEASURES
<i>What are the specific needs that triggered this project?</i>	<i>What do you expect to generate by the end of the project?</i>	<i>What dissemination, exploitation and communication measures will you apply</i>

Under Horizon Europe proposals, is the impact canvas really obligatory? Can the applicant adapt the canvas and be "creative"?

*Although the impact canvas is not strictly required, it may be extremely useful for the applicant (for the drafting) and for the evaluators (for the evaluation) to have a summary of the key elements of the pathway to impact of the project. Applications who do not to fill the canvas will be accepted; they will however be assessed against applications that have filled it. **We therefore strongly encourage to use the impact canvas.***

TARGET GROUPS	OUTCOMES	IMPACTS
<i>Who will use or further up-take the results of the project? Who will benefit from the results of the project?</i>	<i>What change do you expect to see after successful dissemination and exploitation of project results to the target group(s)?</i>	<i>What are the expected wider scientific, economic and societal effects of the project contributing to the expected impacts outlined in the respective destination in the work programme?</i>

SPECIFIC NEEDS

What are the specific needs that triggered this project?

Most airports use process flow-oriented models based on static mathematical values limiting the optimal management of passenger flow and hampering the accurate use of the available resources to the actual demand of passengers.

EXPECTED RESULTS

What do you expect to generate by the end of the project?

Successful large-scale demonstrator:
Trial with 3 airports of an advanced forecasting system for proactive airport passenger flow management.

D & E & C MEASURES

What dissemination, exploitation and communication measures will you apply

Exploitation: Patenting the algorithmic model.

Dissemination towards the scientific community and airports: Scientific publication with the results of the large-scale demonstration.

Communication towards citizens: An event in a shopping mall to show how the outcomes of the action are relevant to our everyday lives.

TARGET GROUPS

Who will use or further up-take the results of the project? Who will benefit from the results of the project?

9 European airports:

Schiphol, Brussels airport, etc.

The European Union aviation safety agency.

Air passengers (indirect).

OUTCOMES

What change do you expect to see after successful dissemination and exploitation of project results to the target group(s)?

Up-take by airports: 9 European airports adopt the advanced forecasting system demonstrated during the project.

IMPACTS

What are the expected wider

Scientific: New breakthrough scientific discovery on passenger forecast modelling.

Economic: Increased airport efficiency

Size: 15% increase of maximum passenger capacity in European airports, leading to a 28% reduction in infrastructure expansion costs.

Single stage submission procedure and 2nd stage of a two-stage submission procedure

Narodowe Centrum Badań i Rozwoju

Rezultaty	Odbiorcy <i>Target groups</i>	Komunikacja-Promocja / Upowszechnienie <i>Communication and Dissemination</i>	Wykorzystanie <i>Exploitation</i>
<ul style="list-style-type: none"> • program komputerowy, • model nauczania, • kultura komórkowa, • nowy test diagnostyczny • dokument, • bazy danych, • algorytm, nowy model biznesowy, • patent, • szkolenie, • film, • strona internetowa, • konferencja, • szkolenie; 	<ul style="list-style-type: none"> • jednostki przemysłowe, firmy usługowe, • decydenci UE, • decydenci narodowi, • decydenci regionalni, • publiczna służba zdrowia, • uniwersytety, • instytuty, • organizacje badawcze, • szkoły średnie, • organizacje pozarządowe, szpitale, fundacje, • osoby indywidualne; 	<ul style="list-style-type: none"> • publikacje, • konferencje, • strona internetowa, • portale, • wykłady, konferencje, • szkolenia, • webinaria, • newsletters, • media społecznościowe; 	<ul style="list-style-type: none"> • licencja, • działania demonstracyjne, • dalsze badania, • działania pilotażowe, • usługi, • edukacja;

EU Grants: Application form (HE RIA/IA)

3. Quality and efficiency of the implementation

3.1 Work plan and resources [np.: 14 stron z tabelami]

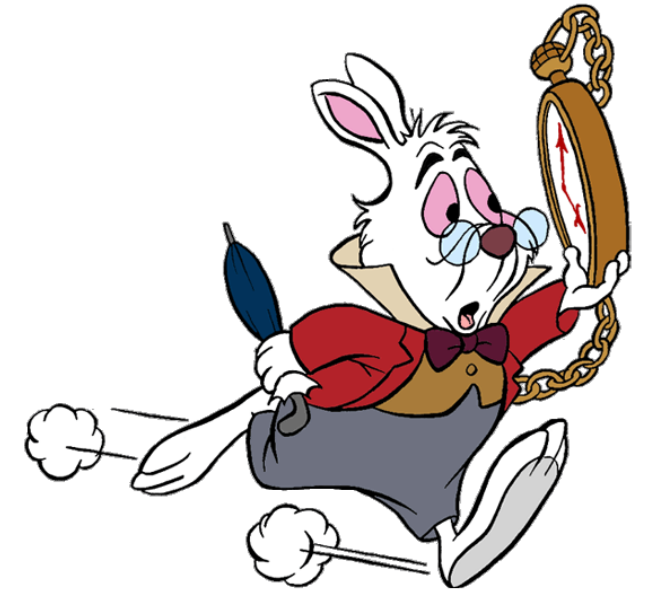
3.2 Capacity of participants and consortium as a whole [np.: 3 strony]

EU Grants: Application form (HE CSA)

3. Quality and efficiency of the implementation

3.1 Work plan and resources [np.: 10 stron z tabelami]

3.2 Capacity of participants and consortium as a whole [np.: 3 strony]



3. Quality and efficiency of the implementation

3.1 Work plan and resources

↳ krótka prezentacja ogólnej struktury planu pracy:

„...The project consortium consist of 10 beneficiaries who will sign the Grant Agreement. The project coordinator will draw up a **Cosortium Agreement (CA), which will be signed by all partners at the beginning of the project.** A strong project management structure will be implemented based on the decision making level: **the Project Coordinator (PC) and the Steering Committee (SC).** Each partner will appoint one representative as member of the **SC.**

The operational level are the responsibility of **Work Packages (WP) and Tasks.** **The Work Package Leaders** are responsible for the timely and effective execution of the work packages in accordance to the Description of Work.

The Project work plan comprises 7 work packages. The first 4 implement the research activities for fulfilling the Project objectives and overarching goals. WPs 5 and 6 maximize the impact of Project, through training, communication, dissemination and exploitation. WP7 coordinates Project. **The CA will contain details of the management procedures”**

3. Quality and efficiency of the implementation

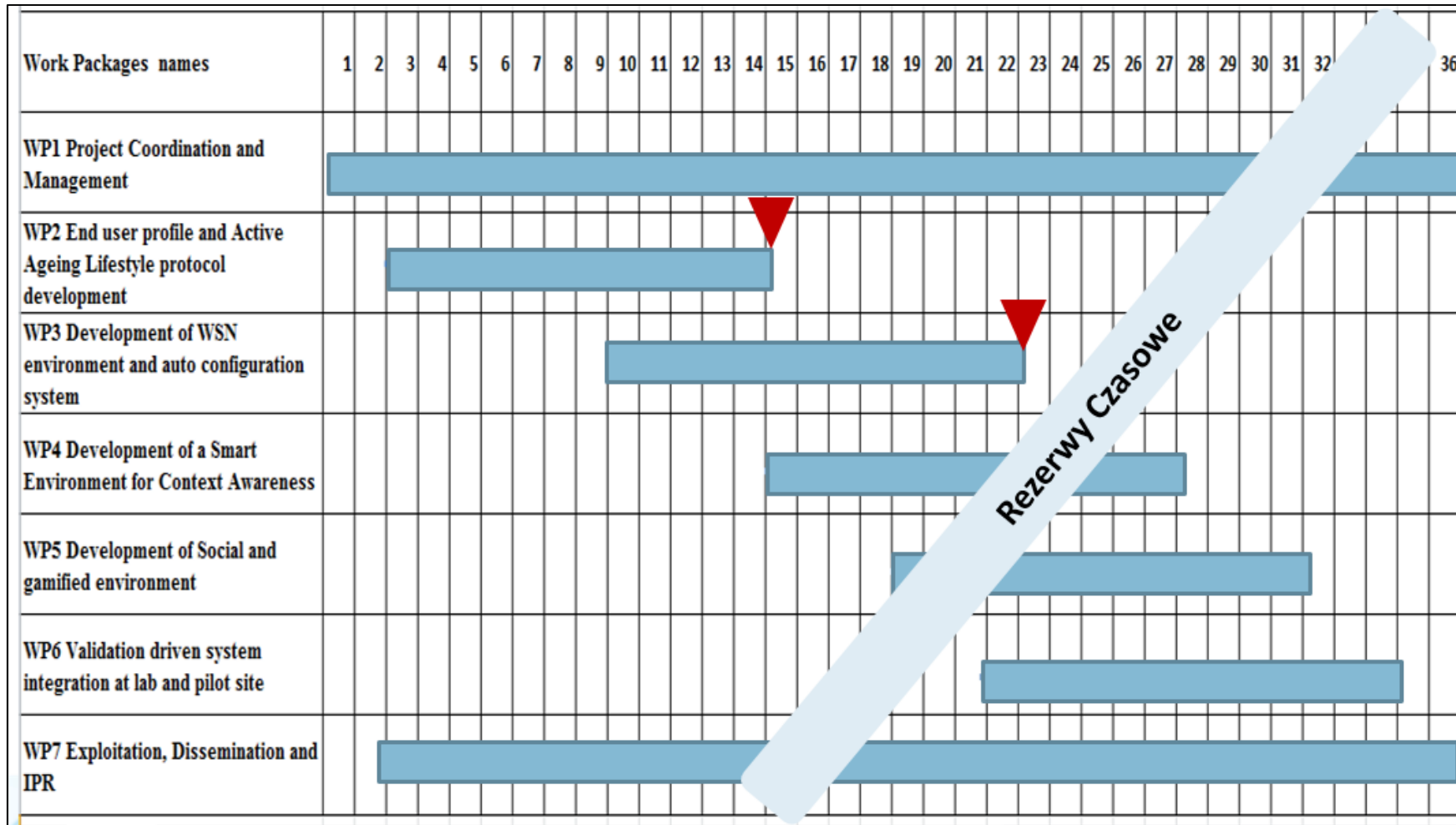
3.1 Work plan and resources

- ↪ harmonogram projektu (*Gantt chart*);
- ↪ graficzna prezentacja zależności między pakietami pracy (*Pert chart*) ;
- ↪ szczegółowy opis pakietów pracy:
 - *a list of work packages (table 3.1a);*
 - *a description of each work package (table 3.1b);*
 - *a list of deliverables (table 3.1c);*
- ↪ *a list of milestones (table 3.1d);*
- ↪ *a list of critical risks, relating to project implementation, that the stated project's objectives may not be achieved. Detail any risk mitigation measures. You will be able to update the list of critical risks and mitigation measures as the project progresses (table 3.1e);*



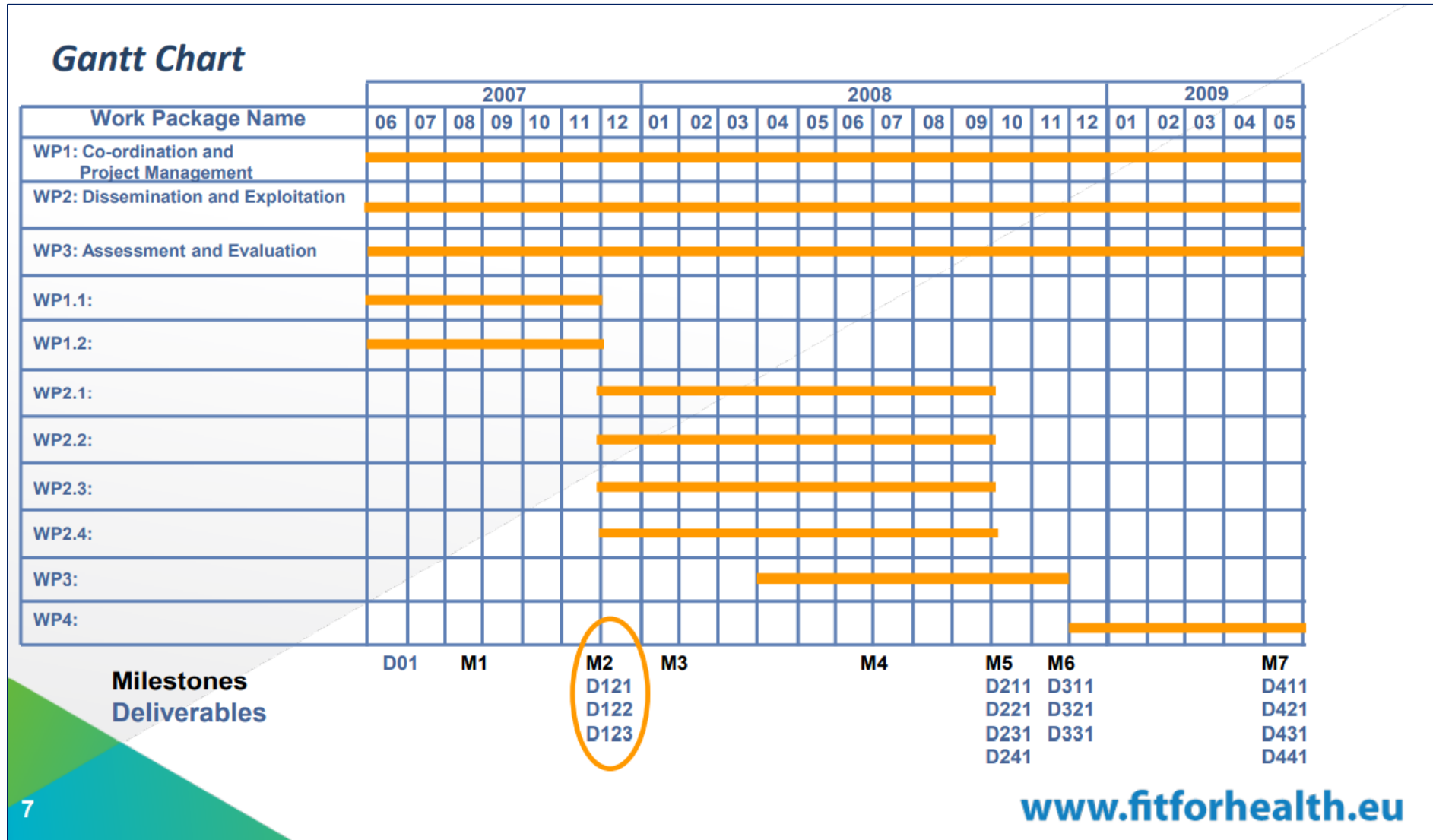
Przykład: 3. Quality and efficiency of the implementation

3.1 Work plan and resources - Gantt chart



Przykład: 3. Quality and efficiency of the implementation

3.1 Work plan and resources - Gantt chart



Przykład: 3. Quality and efficiency of the implementation

3.1 Work plan and resources - Pert chart (Program Evaluation and Review Technique)

ReMeDi - Remote Medical Diagnostician
<https://cordis.europa.eu/project/id/610902>

Partnerzy w projekcie:

- STANCZYK BARTŁOMIEJ (ACCREA ENGINEERING SPÓŁKA Z O.O.)
- UNIwersytet MEDYCZNY W LUBLINIE
- POLITECHNIKA WROCLAWSKA

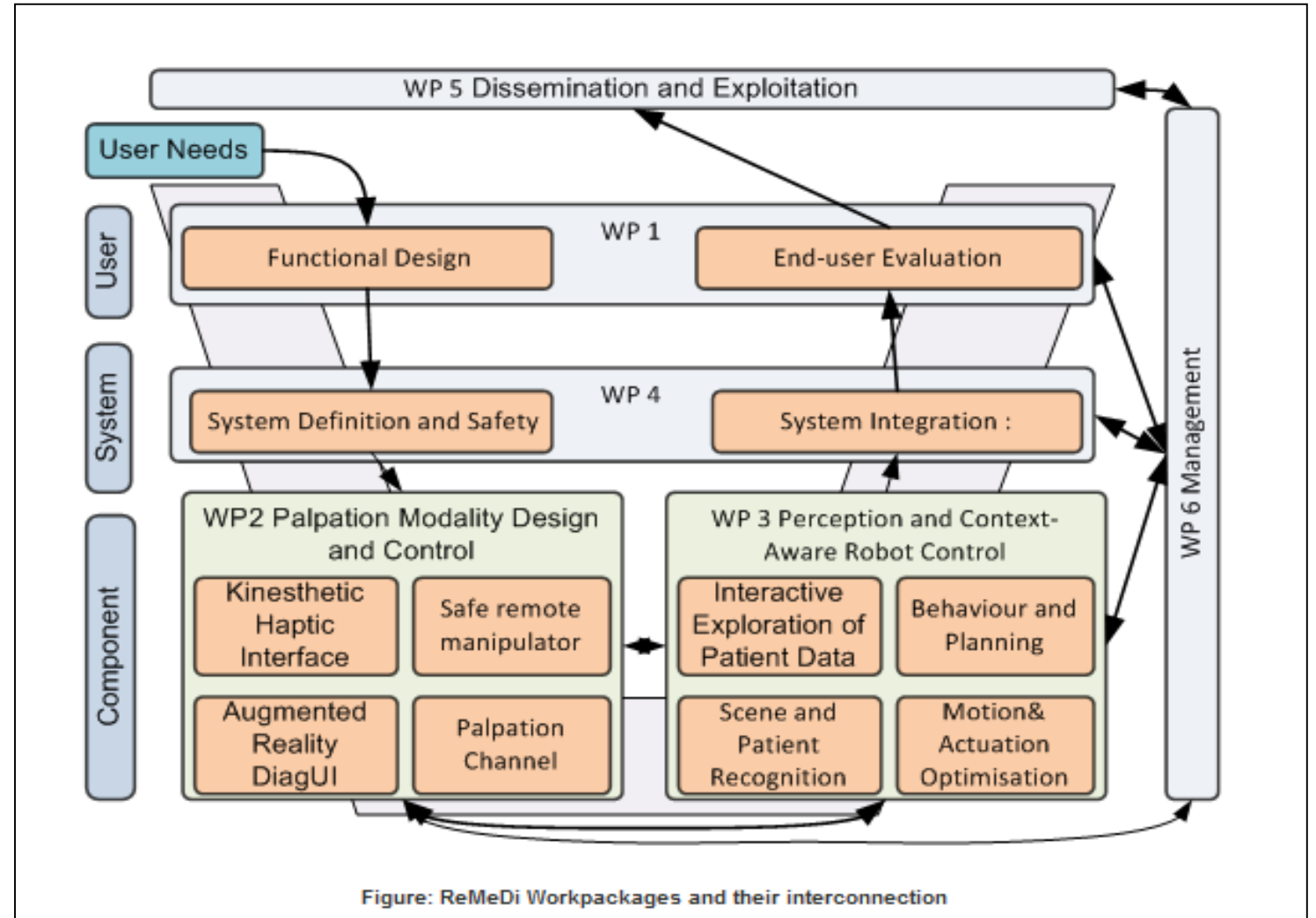
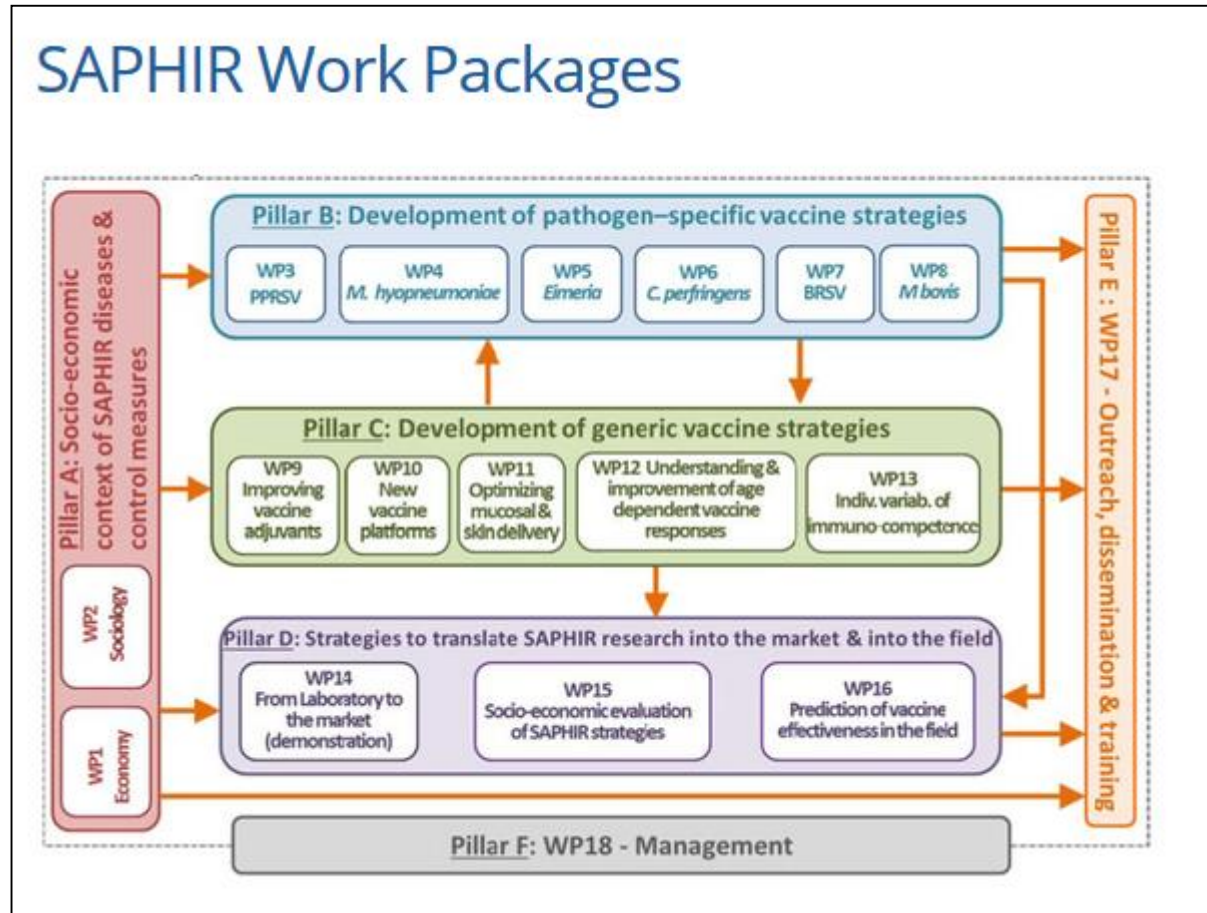


Figure: ReMeDi Workpackages and their interconnection

Przykład: 3. Quality and efficiency of the implementation

3.1 Work plan and resources - Pert chart (Program Evaluation and Review Technique)



Strengthening Animal Production and Health through the Immune Response

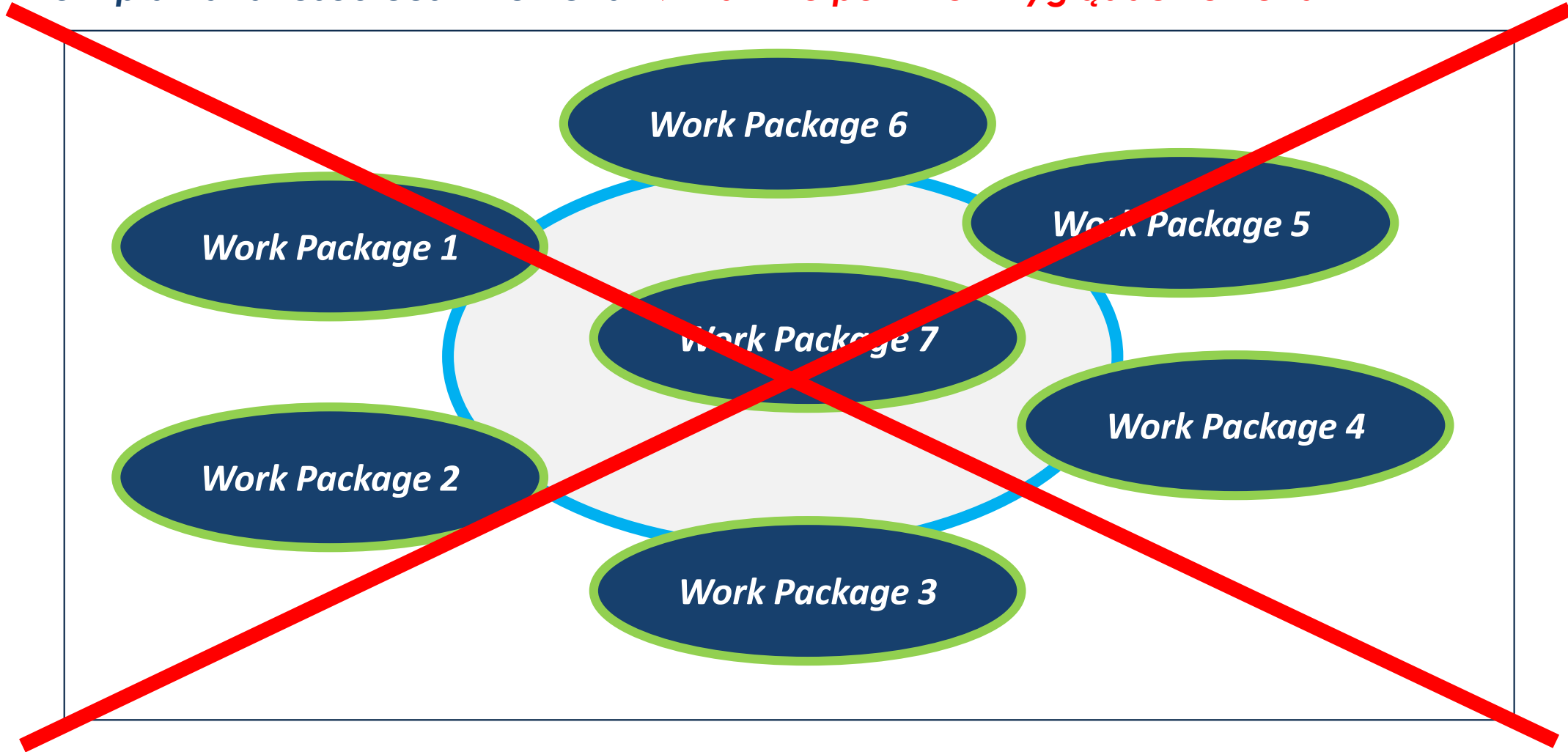
<https://cordis.europa.eu/project/id/633184>

Partner w projekcie:

- Szkoła Główna Gospodarstwa Wiejskiego

3. Quality and efficiency of the implementation

3.1 Work plan and resources - Pert chart ➤ **tak nie powinien wyglądać Pert chart**



3. Quality and efficiency of the implementation

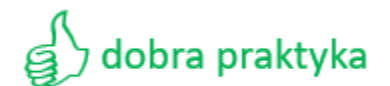
3.1 Work plan and resources - „detailed work description”

↪ pakiety pracy (*Work Packages*):

- pakiet zarządzania konsorcjum (*Management and Coordination activities*);
- pakiet upowszechniania i wykorzystania rezultatów (*Dissemination and exploitation*);
- pakiet dotyczący promocji projektu (*Communication activities*);
- pakiety badawcze/techniczne;
- *pakiet dotyczący etki (ethics requirements)*;
- *części składowe każdego WP – zadania (Tasks)*;



Ilość pakietów pracy proporcjonalna do skali projektu - planowanych działań !



Przykład: 3. Quality and efficiency of the implementation

3.1 Work plan and resources - Pakiety Pracy, a konsorcjum

Edu-Arctic – Innovative educational program attracting young people to natural sciences and polar research

<https://edu-arctic.eu/about/work-packages>

CORDIS : <https://cordis.europa.eu/project/id/710240>

Pakiety pracy (<i>Work Packages</i>)	Partnerzy w konsorcjum
Work Package 1: Ethics Requirements Work Package 2: Project Management Work Package 3: Preparatory of EDU-ARCTIC Program Work Package 4: EDU-ARCTIC Educational Program Work Package 5: Evaluation and Impact Work Package 6: Communication, Replication & Exploitation Work Package 7: Dissemination and Promotion of the EDU-ARCTIC Program	<ol style="list-style-type: none"> 1. Instytut Geofizyki Polskiej Akademii Nauk -Koordynator 2. AMERICAN SYSTEMS SP. ZOO ,Polska 3. NIBIO - NORSK INSTITUTT FOR BIOKONOMI Norwegia 4. JARDFEINGI , Wyspy owcze 5. UNIVERSITE DE VERSAILLES SAINT-QUENTIN-EN-YVELINES, Francja 6. NORDURSLODAGATTIN EHF , Islandia

Przykład: 3. Quality and efficiency of the implementation

3.1 Work plan and resources - Pakiety Pracy, a konsorcjum

Table 2: List of work packages.

Number	Title	Leader
1	POCITYF Smart City Framework Towards an Integrated Deployment	CERTHE
2	Setting Up, Planning and Execution of Performance Monitoring Activities	VTT
3	Evaluation Activities, Socioeconomic Impact Assessment and Recommendations	CIRCE
4	Citizens Engagement and Open Innovation Activities	INESC TEC
5	Business Models across Circular & Sharing Economy Pathways	RINA-C
6	Evora Lighthouse City demonstration activities	CME
7	Alkmaar Lighthouse City demonstration activities	GA
8	Replication Plans and 2050 Vision by Fellow Cities	E@W
9	Clustering and Coordination with Smart City Initiatives and Partnerships	EDPL
10	Project Communication, Dissemination and Exploitation	ICONS
11	Project Management	EDPL
12	Ethics requirements	EDPL

Partnerzy w konsorcjum

POCITYF's consortium, led by EDP Labelec, is formed by 46 partners from 13 countries: Portugal, Spain, Italy, Germany, Greece, The Netherlands, Slovenia, Hungary, Denmark, Finland, Austria, Belgium and Switzerland;

<https://pocityf.eu/about/>

CORDIS: <https://cordis.europa.eu/project/id/727862>

Projekt realizowany do tematu:

[*Smart Cities and Communities TOPIC ID: LC-SC3-SCC-1-2018-2019-2020*](#)

3. Quality and efficiency of the implementation

3.1 Work plan and resources - Table 3.1a: List of work packages

Tables for section 3.1

Table 3.1a: List of work packages

Work package No	Work Package Title	Lead Participant No	Lead Participant Short Name	Person-Months	Start Month	End month
WP1	Project Management	1	DKPK	8	1	46
WP2	Policy assessment and monitoring	3	WCRFI	5	3	12
WP...						
				Total person-months		



3. Quality and efficiency of the implementation
3.1 Work plan and resources - Table 3.1b: Work package description

Table 3.1b: Work package description

Single stage submission procedure and 2nd stage of a two-stage submission procedure

For each work package:

Work package number		Lead beneficiary					
Work package title							
Participant number							
Short name of participant							
Person months per participant:							
Start month				End month			

Objectives

Description of work (where appropriate, broken down into tasks), lead partner and role of participants

Deliverables (brief description and month of delivery)

Przykład: Table 3.1b: Work package description - WP1 Management

Work package number	WP1	Lead beneficiary				KPK PB UE	
Work package title	Management						
Participant number	1						
Short name of participant	KPK PB UE						
Person months per participant:	8						
Start month	1 (September)			End month	24 (August)		

Objectives

The WP1 objective is to set a management structure, techniques and procedures aimed at guaranteeing that:

- the research project is carried out according to the settled time schedule and budget;
- the project objectives are efficiently achieved;
- a system to provide a continuous evaluation feedback and constant project monitoring is created;
- an effective coordinated structure is created and maintained;
- overall legal, contractual, ethical, financial and administrative management of the project.

Przykład: Table 3.1b: Work package description - WP1 Management (c.d.)

Description of work (where appropriate, broken down into tasks), lead partner and role of participants

Task 1.1. Establishing management structure

The coordinator KPK PB UE will be responsible for the daily management assisted by the Steering Committee (SC). The Steering Committee (SC) will be formed by the Coordinator and the WP leaders and will monitor the timely implementation of the work package activities. This SC will be made up of representatives of 6 project partners. The WP leaders in order to reach all results will be assisted by the Task leaders.

Task 1.2 Communication and decision-making procedures

Communication within the consortium will be arranged on two levels: management level

(Steering Committee,) and consortium level (all partners). Communication with the project partners by e-mail, phone and by web intranet and communication with the European Commission.

Task 1.3 Reporting to the EC

Submit project reports, quarterly management reports, project progress reports, cost statements, activity reports to the EC.

Task 1.4 Administrative and Financial Management

The Coordinator will be in charge of the management of the project with respect to all project level technical, administrative and financial issues. The Coordinator will maintain and keep the financial accounts with respect to the payments of funds granted by the EC thus identifying what portion of the payments made by the EC has been allocated and/or paid to each beneficiary.

Deliverables (brief description and month of delivery)

D1.1 Kick-off meeting (M010)

D1.2 Project Handbook (M02)

D1.3 Data Management Plan (M06) ...

3. Quality and efficiency of the implementation

Single stage submission procedure and 2nd stage of a two-stage submission procedure

3.1 Work plan and resources - Table 3.1c: List of Deliverables

Deliverable (number)	Deliverable name	Work package number	Short name of lead participant	Type	Dissemination level	Delivery date (in months)

KEY

Deliverable numbers in order of delivery dates. Please use the numbering convention <WP number>.<number of deliverable within that WP>. For example, deliverable 4.2 would be the second deliverable from work package 4.

Type: Use one of the following codes:

- R: Document, report (excluding the periodic and final reports)
- DEM: Demonstrator, pilot, prototype, plan designs
- DEC: Websites, patents filing, press & media actions, videos, etc.
- DATA: Data sets, microdata, etc.
- DMP: Data management plan
- ETHICS: Deliverables related to ethics issues.
- SECURITY: Deliverables related to security issues
- OTHER: Software, technical diagram, algorithms, models, etc.

Dissemination level: Use one of the following codes:

- PU – Public, fully open, e.g. web (Deliverables flagged as public will be automatically published in CORDIS project’s page)
- SEN – Sensitive, limited under the conditions of the Grant Agreement
- Classified R-UE/EU-R – EU RESTRICTED under the Commission Decision No2015/444
- Classified C-UE/EU-C – EU CONFIDENTIAL under the Commission Decision No2015/444
- Classified S-UE/EU-S – EU SECRET under the Commission Decision No2015/444

Delivery date

Measured in months from the project start date (month 1)

Przykład: Table 3.1c: List of Deliverables

Deliverable (number)	Deliverable name	Work package number	Short name of lead participant	Type	Dissemination level	Delivery date (in month)
D1.1	Project Quality Handbook	WP1	IPPT PAN	R	PU	2
D1.2	Meetings report	WP1	IPPT PAN	R	CO	18,36,48
...						
D2.4	Design of the certification programme	WP2	NUID UCD	R	PU	4
...						
D1.3	Data Management Plan - DMP	WP1	KPK PB UE	R	CO	6
...						
D7.3	Algorithms for social network analysis	WP7	CERTH	Software	CO	12
...						
D6.1	Plan for the dissemination and exploitation including communication activities	WP6	FOI	R	CO	6

Przykład: List of Deliverables

D11.3 Quality Management Plan

[https://www.asgard-project.eu/deliverables/ASGARD_D11.3 Quality ManagementPlan_V1.0_FINAL.pdf](https://www.asgard-project.eu/deliverables/ASGARD_D11.3_Quality_ManagementPlan_V1.0_FINAL.pdf)

No.	Deliverable name	Lead Part.	Reviewer	Diss. Level
D8.1	Forensic applications	FNI	UvA (Marcel Worrying) FOI (Lisa Kaati)	EU_REST
D8.2	Intelligence applications	ENG	BSC-CNS(Jorge Garcia) UKON(Florian Stoffel)	EU_REST
D8.3	Foresight applications	AIT	UU (Hui Wang) UniMORE (M. Colajanni)	EU_REST
D8.4	Reference enterprise applications	IBM	NUID UCD (Pavel Gladyshev), AIT	CO
D8.5	Knowledge export to third party tools	INOV	CAST / NICC Patrick de Smet	CO
D9.1	Orchestration framework design	ENG	CEA (Hassane Assafi) NUID UCD (Pavel Gladyshev)	CO
D9.2	Forensics analysis and investigation modelling and configuration tools	AIT	UU (Hui Wang) UniMORE (M. Colajanni)	CO
D9.3	Orchestration service	ENG	CEA (Hassane Assafi) NUID UCD (Pavel Gladyshev)	CO
D9.4	Orchestration optimization and recommendations	ENG	CEA (Hassane Assafi) NUID UCD (Pavel Gladyshev)	CO
D10.1	Technical requirements & development guidelines	CERTH	VICOM (Juan A.), DCU (Noel OC.)	CO
D10.2	Tools for distributed processing of large volumes of forensic data	BSC-CNS	VICOM (Juan A.), INOV (Nelson E.)	CO
D10.3	Large-scale multimedia indexing tools	CERTH	TNO (Stephan R.), ENG (Ernesto L.)	PU

3. Quality and efficiency of the implementation

3.1 Work plan and resources - Table 3.1d: List of Milestones

Milestone number	Milestone name	Related work package(s)	Due date (in month)	Means of verification

KEY

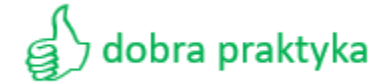
Due date

Measured in months from the project start date (month 1)

Means of verification

Show how you will confirm that the milestone has been attained. Refer to indicators if appropriate. For example: a laboratory prototype that is ‘up and running’; software released and validated by a user group; field survey complete and data quality validated.

Przykład: Table 3.1d: List of Milestones



WP Work Package Title:



WP 1 Preparation and planning

WP 2 UNCAP Toolkit integration and testing

WP 3 Piloting in operational scenarios

WP 4 Impact analysis

WP 5 Exploitation and market replication

WP 6 Dissemination and openness

WP 7 Management

The following milestones have been identified within the project.

Milestone N°	Milestone name	WP number	Delivery date
MS1	Completion of design phase and start of first assessment phase	WP1	M06
MS2	Release of alpha version of UNCAP	WP2	M12
MS3	Development is complete and pilot phase is ready to start	WP2, WP3	M18
MS4	Assessment of situation "as-is" (before UNCAP is installed) is completed	WP3	M18
MS5	The pilot phase is successfully concluded	WP3	M30
MS6	The impact assessment as well as RoI and SRoI are completed	WP4	M36
MS7	Definition of business model and business take-up	WP5	M36

Zakładka: **Results - Documents, reports (55) DELIVERABLE D.7.1 Project charter**

<https://cordis.europa.eu/project/id/643555/results>

3. Quality and efficiency of the implementation

3.1 Work plan and resources - Table 3.1e: Critical risks for implementation

Description of risk (indicate level of (i) likelihood, and (ii) severity: Low/Medium/High)	Work package(s) involved	Proposed risk-mitigation measures

Definition critical risk:

A critical risk is a plausible event or issue that could have a high adverse impact on the ability of the project to achieve its objectives.

Level of likelihood to occur: Low/medium/high

The likelihood is the estimated probability that the risk will materialise even after taking account of the mitigating measures put in place.

Level of severity: Low/medium/high

The relative seriousness of the risk and the significance of its effect.

3. Quality and efficiency of the implementation

3.1 Work plan and resources - Critical risks for implementation

- ↪ zarządzaniem ryzykiem – identyfikacja czynników, które mogą w znaczący sposób zakłócić sprawny przebieg prac w projekcie badawczym; jakościowa i ilościowa analiza ryzyka;
- ↪ planowanie reakcji na ryzyko – przygotowanie alternatywnych sposobów działania oraz określenie rezerw czasowych i pieniężnych;
- ↪ **monitorowanie i kontrolowanie ryzyka;**
- ↪ progi akceptacji, czyli kryteria określające, kiedy powinny zostać podjęte działania będące odpowiedzią na zaistniałe ryzyko.



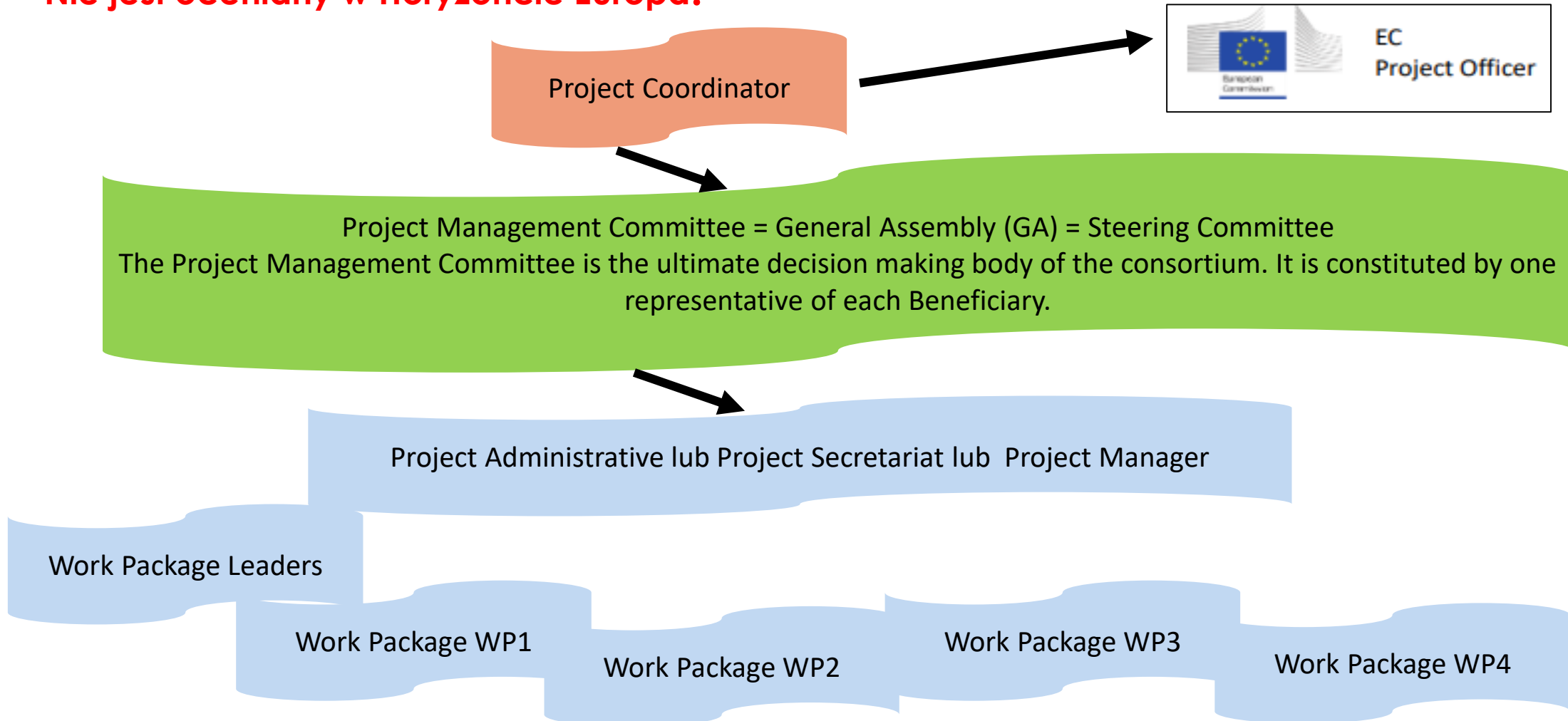
Przykład: „Risk Management Plan” w raportach projektowych H2020

	<p>Deliverable 6.5 Initial Risk Management Plan</p>	<p>https://www.icos-ri.eu/sites/default/files/2018-05/RINGO_deliverable_D6.5.pdf</p> <p>https://cordis.europa.eu/project/rcn/207625/factsheet/en</p>
	<p>Deliverable 1.2 Detailed risk management plan</p>	<p>https://ec.europa.eu/research/participants/documents/downloadPublic?documentIds=080166e5ae8ff5a6&appId=PPGMS</p> <p>https://cordis.europa.eu/project/rcn/198465/factsheet/en</p>
	<p>D8.3 EUROBENCH Communication Plan: 3.Risk management procedure</p>	<p>http://eurobench2020.eu/wp-content/uploads/2019/06/EUROBENCH-D1.3.-Risk-Management-Plan_v0.3-2018-04-18-10_11_20.pdf</p> <p>https://cordis.europa.eu/project/rcn/213104/factsheet/en</p>
	<p>D1.7: Risk Management Plan WP1 – Project Management & Quality Assurance</p>	<p>https://beacon-h2020.com/wp-content/uploads/2020/12/D1.7-Risk-Management-Plan-2.pdf</p>

3. Quality and efficiency of the implementation

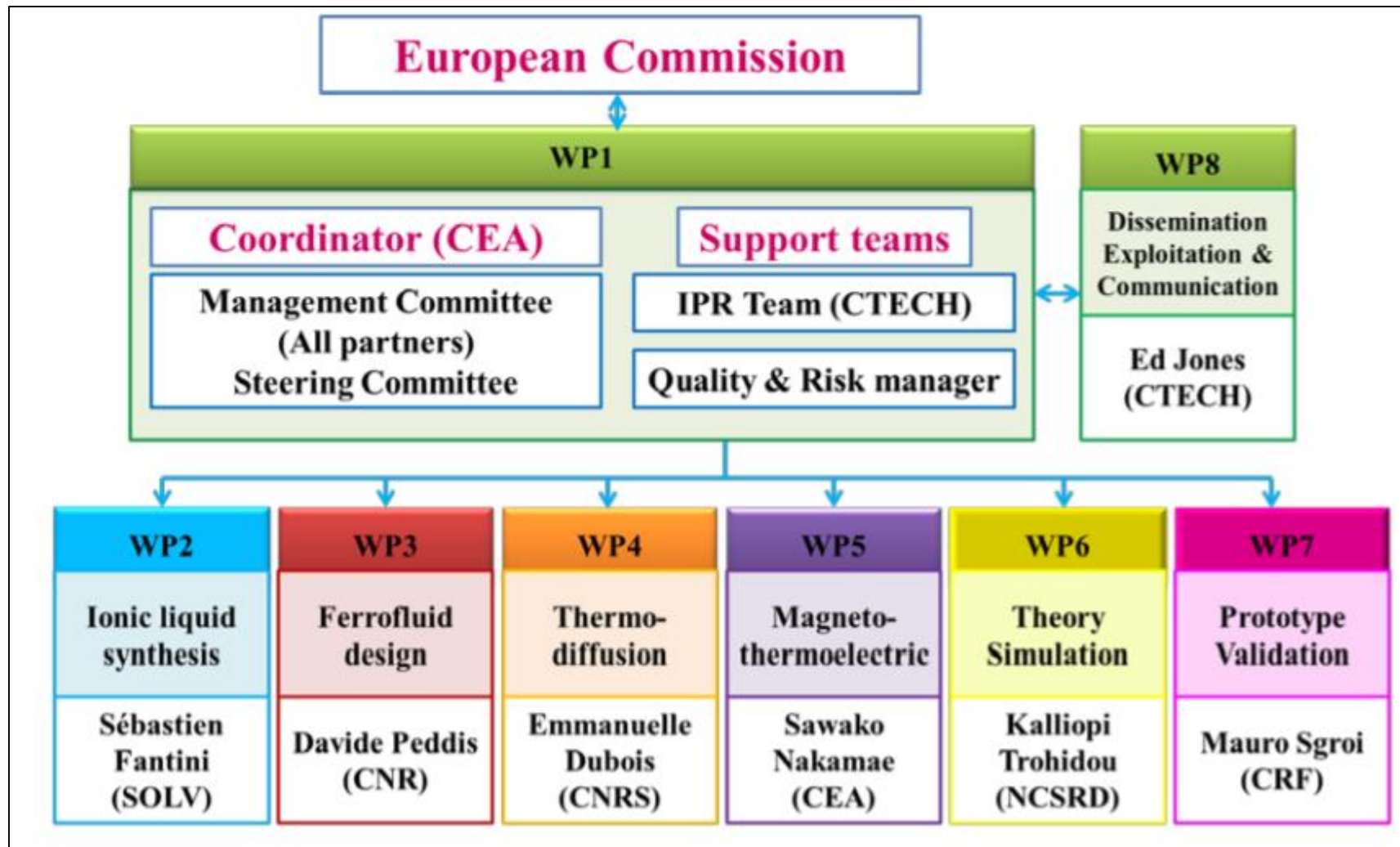
3.1 Work plan and resources - Schemat struktury zarządzania

Nie jest oceniany w Horyzoncie Europa!



Przykład raportu: MAGENTA Project Management Plan

<https://www.magenta-h2020.eu/wp-content/uploads/2018/01/D1.1-Project-Management-Plan.pdf>



**Przykład raportu: Sprout
Project Management Plan**

D9.1: Project Management Plan

<https://sprout-civitas.eu/wp-content/uploads/2020/01/SPROUT-D9.1-Project-management-plan.pdf>

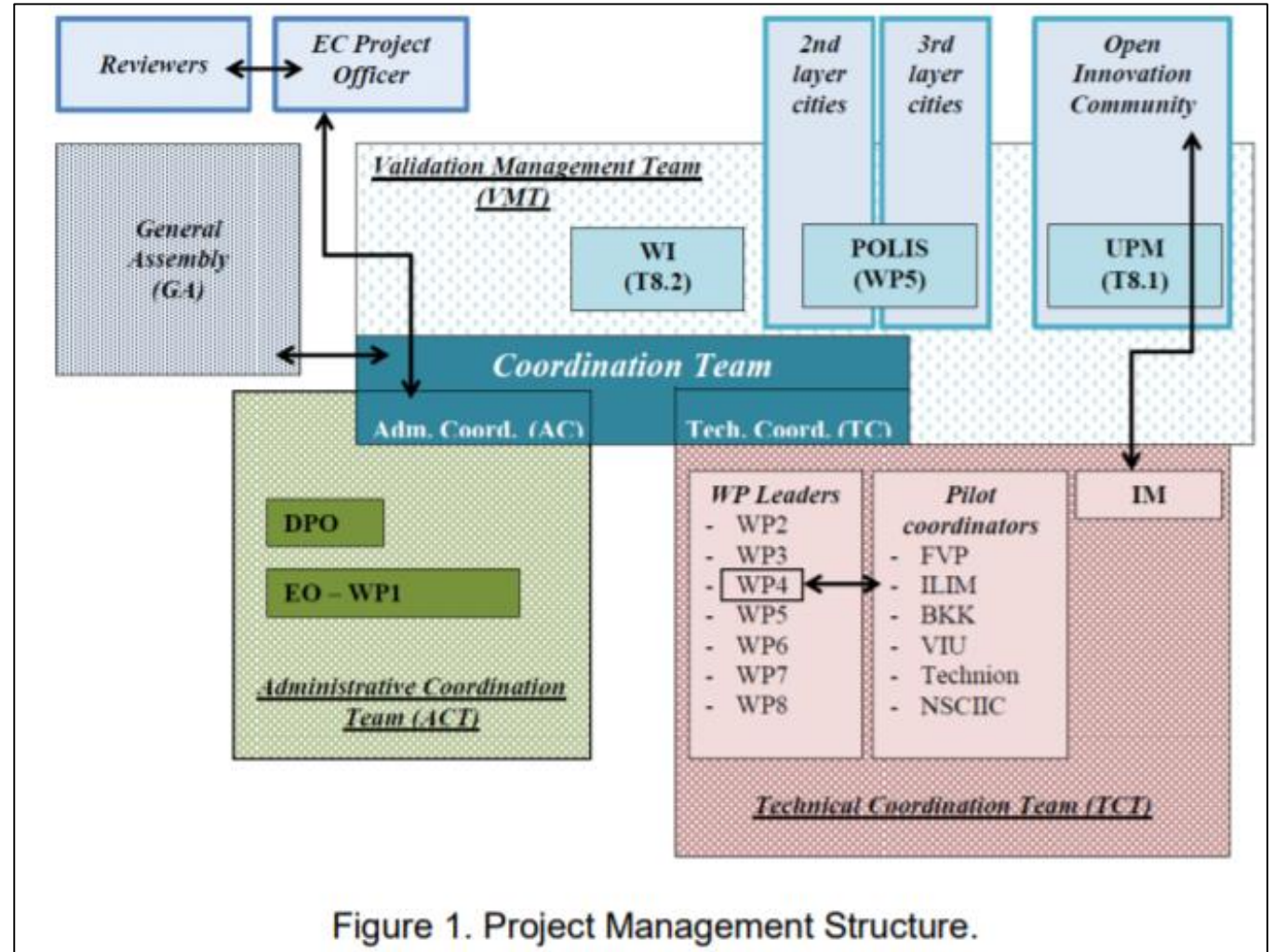


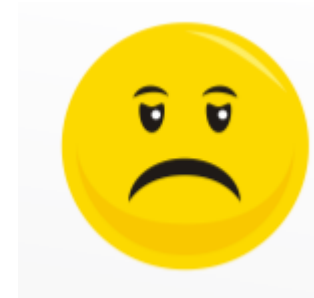
Figure 1. Project Management Structure.

„... The rules for composition, organisation and decision making of the Project’s governing bodies are part of the Consortium and Grant Agreements (CA and GA), that have been signed before the starting of the project according to the rules of the H2020 Programme...”

Uwagi oceniających: 3. Quality and efficiency of the implementation

3.1 Work plan and resources

- ↪ słabe powiązania między celem, a planem pracy;
- ↪ brak odzwierciedlenia celów szczegółowych w pakietach pracy;
- ↪ pakiety robocze są zorganizowane bardziej jako wysiłek pojedynczego partnera, a nie jako wynik współpracy tych partnerów;
- ↪ role partnerów są bardzo podobne, w zasadzie takie same;
- ↪ wykres Gantta, nie zgadza się z opisem tekstowym;
- ↪ zbyt dużo namacalnych rezultatów do osiągnięcia w trakcie trwania projektu;
- ↪ budżet jest nieproporcjonalnie dzielony pomiędzy partnerami w stosunku do ich zaplanowanych działań;



Pozostałe tabele w szablonie wniosku projektowego

Table 3.1f: Summary of staff effort

Please indicate the number of person/months over the whole duration of the planned work, for each work package, for each participant. Identify the work-package leader for each WP by showing the relevant person-month figure in bold.

	WPn	WPn+1	WPn+2	Total Person-Months per Participant					
Participant Number/Short Name									
Participant Number/Short Name									
Participant Number/Short Name			Participant Number/Short Name	WP 1	WP2	WP 3	WP 4	WP 5	Total Person/Months per Participant
Total Person Months									
			IPPT PAN	10	7	5	2	3	27
			CNR		0	0	8	3	11
			SRC		6	0	5	4	15
			FCT		8	2	4	5	19
				10	21	7	19	15	72

Pozostałe tabele w szablonie wniosku projektowego

Table 3.1g: 'Subcontracting costs' items

For each participant describe and justify the tasks to be subcontracted (please note that core tasks of the project should not be sub-contracted).

Participant Number/Short Name		
	Cost (€)	Description of tasks and justification
Subcontracting		

Przykład: Pozostałe tabele w szablonie wniosku projektowego**Table 3.1h: 'Purchase costs' items (travel and subsistence, equipment and other goods, works and services)**

Please complete the table below for each participant if the purchase costs (i.e. the sum of the costs for 'travel and subsistence', 'equipment', and 'other goods, works and services') exceeds 15% of the personnel costs for that participant (according to the budget table in proposal part A). The record must list cost items in order of costs and starting with the largest cost item, up to the level that the remaining costs are below 15% of personnel costs.

Participant Number/Short Name		
	Cost (€)	Justification
Travel and subsistence	np. 26 100	3 project steering committee meetings, 2 person + 3 workshops, 7 000 € travel for 2 conferences
Equipment	np. 15 000	room and catering kick-off meeting
Other goods, works and services		
Remaining purchase costs (<15% of pers. Costs)		
Total		

Pozostałe tabele w szablonie wniosku projektowego

Table 3.1i: 'Other costs categories' items (e.g. internally invoiced goods and services)

Please complete the table below for each participants that would like to declare costs under other costs categories (e.g. internally invoiced goods and services), irrespective of the percentage of personnel costs.

Participant Number/Short Name		
	Cost (€)	Justification
Internally invoiced goods and services		
...		

Pozostałe tabele w szablonie wniosku projektowego

Table 3.1j: ‘In-kind contributions’ provided by third parties

Please complete the table below for each participants that will make use of in-kind contributions (non-financial resources made available free of charge by third parties). In kind contributions provided by third parties free of charge are declared by the participants as eligible direct costs in the corresponding cost category (e.g. personnel costs or purchase costs for equipment).

Participant Number/Short Name			
Third party name	Category	Cost (€)	Justification
	Select between Seconded personnel Travel and subsistence Equipment Other goods, works and services Internally invoiced goods and services		

Kontakt w KPK: Aspekty finansowe i prawne



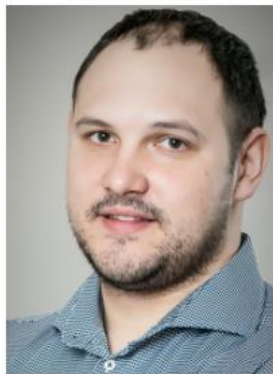
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[AGA – Annotated Model Grant Agreement](#)

ARTICLE 6 – ELIGIBLE AND INELIGIBLE COSTS AND CONTRIBUTIONS

3. Quality and efficiency of the implementation

3.2 Capacity of participants and consortium as a whole

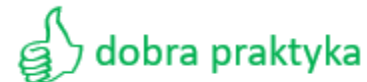
- Describe the consortium. How does it match the project's objectives, and bring together the necessary disciplinary and **inter-disciplinary knowledge**. Show how this includes expertise **in social sciences and humanities, open science practices, and gender aspects of R&I**, as appropriate. Include in the description affiliated entities and associated partners, if any.
- Show how the partners will have access to critical infrastructure needed to carry out the project activities.
- Describe how the members **complement one another** (and cover the value chain, where appropriate)
- In what way does each of them contribute to the project? Show that each has a valid role, and **adequate resources** in the project to fulfil that role.



3. Quality and efficiency of the implementation

3.2 Capacity of participants and consortium as a whole

- If applicable, describe the industrial/commercial involvement in the project to ensure exploitation of the results and explain why this is consistent with and will help to achieve the specific measures which are proposed for exploitation of the results of the project (see section 2.2).
- **Other countries and international organisations:** If one or more of the participants requesting EU funding is based in a country or is an international organisation that is not automatically eligible for such funding (entities from Member States of the EU, from Associated Countries and from one of the countries in the exhaustive list included in the Work Programme General Annexes B are automatically eligible for EU funding), explain why the participation of the entity in question is essential to successfully carry out the project.



Przykład: 3.2 Capacity of participants and consortium as a whole

„...The PROJECT consortium is a **multidisciplinary group of experts** of the most excellent research groups in Europe. The consortium combines scientific and methodological expertise from partners representing outstanding research groups in the field of radiation protection, radiation biology and experimental cardiology. Participating groups have complimentary skills covering all aspects of the project, from animal models, in vivo radiation, cell and molecular radiation biology, endothelial biology and proteomics.

The project will be carried out at multinational and multidisciplinary levels, which will include: cardiologists, radiation biologists, cell and molecular vascular biologists, biochemists, tumor biologists, as well as cardiovascular specialists.

Level of Experience of the members:

The partners with experience in European projects related to

Finansowanie kaskadowe (*Cascade Funding*) w Horyzoncie Europa

Finansowanie kaskadowe (*Cascade Funding*) w Horyzoncie Europa

Finansowanie kaskadowe zwane również finansowaniem dla stron trzecich (Financial Support to Third Parties- FSTP). Jest to mechanizm Komisji Europejskiej służący do dystrybucji środków publicznych w celu finansowania podmiotów nie będących partnerami projektu w formie grantów, nagród i innych form wsparcia. Schemat ten umożliwia projektom realizowanym w ramach HE ogłaszanie otwartych konkursów w celu wyłonienia stron trzecich, do których skierowane będzie dofinansowanie w formie uzależnionej od charakteru i potrzeb danego projektu. Wsparcie finansowe dla stron trzecich jest możliwe tylko wtedy, gdy jest przewidziane dla konkretnego tematu, w ramach konkretnego Programu Pracy.

Informacje na temat finansowania dla stron trzecich znajdują się w art. 6.2.D.1 oraz art. 9.4 [Umowy Grantowej](#) oraz w analogicznych artykułach Umowy Grantowej z komentarzem ([Annotated model Grant Agreement](#))

Informacje o konkursach dla stron trzecich ogłaszanych przez projekty finansowane z budżetu Unii Europejskiej można znaleźć na stronie: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/competitive-calls>

STADIEM Open Call 2 Deadline: 28 February 2022	open >
HEI Call 2 Deadline: 28 February 2022	open >
Ready for Investment for EIC supported ventures: EIT/EIT Health Deadline: 28 February 2022	open >
EIT Digital Innovation Factory 2022 Deadline: 3 March 2022 (first cut-off)	open >
MINE.THE.GAP 2nd Open Call for Proposals for Innovation Project Deadline: 14 March 2022	open >
NIVA Call for Pilot Testing and Validation of NIVA's innovations Deadline: 14 March 2022	open >
EIT Health Bootcamp Call for EIC Supported Ventures Deadline: 14 March 2022	open >

Project full name: Start-up Driven Innovation in European Media
Project acronym: STADIEM
Grant agreement number: 957321
Publication Date: 15 December 2021
Deadline: 28 February 2022, at 17.00 (CET - Brussels time)
Expected duration of participation: 14 months (in case of a continuous selection for all phases)
Total EU funding available: Funding available for this acceleration process: €1 930 000 (40% of total project cost)
Submission & evaluation process:
The goal of STADIEM's Open Call 2 is to bring together start-ups, scale-ups, media organisations and investors to create a network of innovation and investment opportunities.
The STADIEM open call 2 will select in the PROPOSAL STAGE the top 40 projects that will start the MATCH phase.
The 2nd STADIEM program will have four phases:

- MATCH (the top 40 proposals of the STADIEM open call 2 will enter this phase),
- DEVELOP (the 16 top projects from the previous Match phase will enter this phase),
- INTEGRATE (the 12 top projects from the previous Develop phase will enter this phase),
- PILOT (the top 4 projects from the previous Integrate phase will enter this phase).

The maximum amount of funding that each start-up/scale-up may receive for their project in the STADIEM program is €1 930 000.
Submissions are available via <https://www.f6s.com/stadiem-open-call-2>
Further information:
Details available <https://www.stadiem.eu/open-call-2/>

Przykład w Programie Pracy: Finansowanie kaskadowe (Cascade Funding)

[HORIZON-CL4-2022-DIGITAL-EMERGING-01-07](#): *Increased robotics capabilities demonstrated in key sectors (AI, Data and Robotics Partnership) (IA)*; Deadline date: 05 April 2022

Specific conditions	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of around EUR 6.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 36.00 million
<i>Type of Action</i>	Innovation Actions
<i>Technology Readiness Level</i>	Activities are expected to start at TRL 3-5 and achieve TRL 6-7 by the end of the project – see General Annex B .
<i>Legal and financial set-up of the Grant Agreements</i>	The rules are described in General Annex G. The following exceptions apply: <ul style="list-style-type: none"> Beneficiaries may provide <i>financial support to third parties</i>. The support to third parties can only be provided in the form of grants. As third parties' grants may include robotics components, requiring high equipment investment and/or important effort to integrate in a use-case to address the sectorial challenges, the maximum amount to be granted to each third party is EUR 200 000.

Przykład w Programie Pracy: Finansowanie kaskadowe (Cascade Funding)

[HORIZON-CL4-2022-DIGITAL-EMERGING-01-07](#): *Increased robotics capabilities demonstrated in key sectors (AI, Data and Robotics Partnership) (IA); Deadline date: 05 April 2022*

„... Proposals are requested to dedicate at least 20% of their requested amount for FSTP to support SMEs or Start-ups in the development or enhancement of demonstrators, with a maximum of EUR 200 000 per third party¹⁹⁶, and 70% of the costs (100% for start-ups). The consortium will provide technical support with expertise in engineering integration, testing and validation to support the selected SMEs and start-ups acting as technology providers to demonstrate the added value of their solutions to address the challenges of the use-cases...”

[Work Programme 2021-2022 Digital, Industry and Space](#)



Narodowe Centrum
Badań i Rozwoju



Krajowy Punkt Kontaktowy
PROGRAMÓW BADAWCZYCH UE



Dziękuję

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