

Cluster 5 Brokerage Event: Introduction

Miriam de Angelis 5th July 2021





Speaker

Miriam de Angelis

- National Contact Point for Cluster 5 (Climate, energy and mobility) -Horizon Europe
- National Contact Point for Societal Challenge 4 (Smart, green and integrated transport) & Societal Challenge 5 (Climate action, environment, resource efficiency and raw materials) -Horizon 2020



Presentation breakdown

- Who are the Horizon Europe Cluster 5 National Contact Points (HE CL5 NCPs)?
- NCPs' suggestions for a good proposal preparation
- Online resources: the NCP Portal





The role of the HORIZON EUROPE National Contact Points (NCPs) 1/2

- NCPs provide guidance, practical information and assistance on all aspects of participation in Horizon Europe.
- NCPs are <u>national structures</u> established by governments of the 27 EU member states, the countries associated to the framework programme, as well as many non-EU and nonassociated countries ("third countries").
- NCPs give <u>personalised support</u> on the spot and in applicants' own languages.
- NCPs are bound to the Minimum standards and Guiding principles set by the European Commission

Confidentiality!



The role of the HORIZON EUROPE National Contact Points (NCPs) 2/2

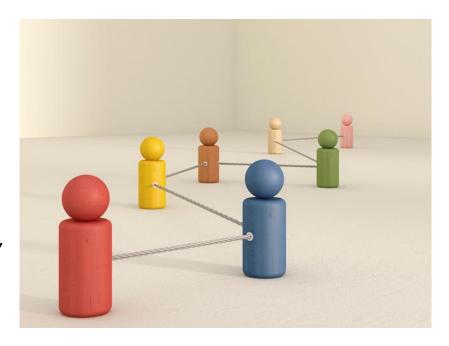


- NCPs operating nationally form an essential component of Horizon Europe implementation.
- They have a key role in delivering the programme's objectives and impacts ensuring that the new programme becomes known and readily accessible to all potential applicants.



What services do HE NCPs provide?

- Disseminating and raising awareness about HE funding opportunities
- Assisting stakeholders in understanding HE main features, novelties and policy drivers
- Providing guidance and training on HE proposal preparation, rules, the Work Programme and the topic text
- Supporting partner search and consortia building
- Supporting proposal preparation (e.g., proposal pre-screening*)



Are HE CL5 NCPs somehow organised at the European level?

- In HE, just like in H2020, NCPs are <u>organized in</u> networks according to the theme they cover.
- CL5 NCPs network is currently under preparation.





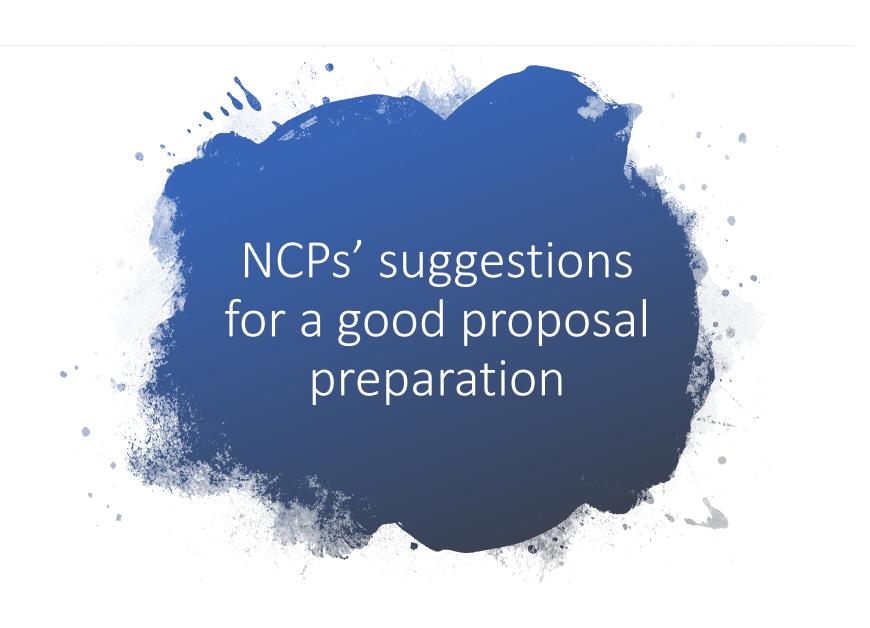














The process

FIND

who is the NCP responsible for your area of interest

READ

Carefully the Work Programme, the topic and all the related documents and discuss them with your NCP

3 UNDERSTAND
The policy drivers



BUILD

The project concept and the best consortium



WRITE

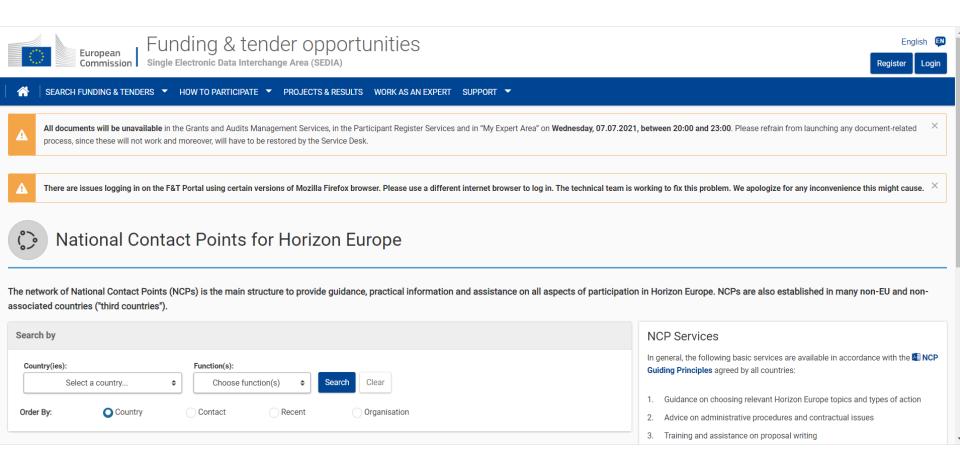
the proposal carefully, clearly and as detailed as possible





Find the contacts of your CL5 National Contact Points

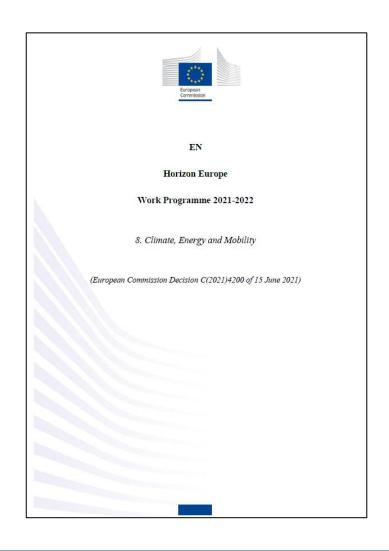
on the Funding and Tender Opportunities Portal







Read the Work Programme, the topic exc.



The Work Programme (WP) is

- a document downloadable from the European Commission Funding and Tender Opportunities Portal: https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents;programCode=HORIZON
- Including all the calls for proposals open in a given time [the current WP covers 2021-22]



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Read the Work Programme, the topic exc.

Horizon Europe - Work Programme 2021-2022
Food, Bioeconomy, Natural Resources, Agriculture and Environment

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HORIZON-CL6-2021-BIODIV-01-15: Quantify impacts of the trade in raw and processe biomass on ecosystems, for offering new leverage points for biodiversity conservation, Horizon Europe - Work Programme 2021-2022 Food, Bioeconomy, Natural Resources, Agriculture and Environment

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Horizon Europe - Work Programme 2021-2022 Food, Bioeconomy, Natural Resources, Agriculture and Environment

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farming systems: from experiments to systemic mechanisms ...

Destinations are groups of Calls for proposals **Calls for proposals** are groups of **Topics**



Read the Work Programme, the topic exc.

HORIZON-CL6-2021-BIODIV-01-13: Breeding for resilience: focus on root-based traits

Specific conditions	
Expected EU contribution per project	The Commission estimates that an EU contribution of around EUR 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.
Indicative budget	The total indicative budget for the topic is EUR 16.00 million.
Type of Action	Research and Innovation Actions

Expected Outcome: In fine with the objectives of the biodiversity and farm to fork strategies a successful proposal will support the transition to more sustainable practices in agriculture by reducing the need for external inputs and supporting biodiversity in agroecosystems.

The project results are expected to contribute to all of the following expected outcomes:

- A better understanding of root-based traits (including the capacity to establish beneficial
 interactions with soil biota) and their genotypic variability as well as increased insight
 into the (adaptive) phenotypic plasticity of roots;
- Enhanced capacities for root phenotyping under controlled and on-field conditions
- The delivery of strategies for breeding for below-ground traits capitalising on more
 effective interactions between plants and microorganisms in the rhizosphere;
- An increased use and valorisation of genetic resources (in situ and ex situ) for root based traits.

On the longer term projects will contribute to: the development of crops (annual and perennial) and forest trees that are more tolerant to abiotic stress conditions, require less external inputs (e.g. fertilisers and pesticides) and show an increased capacity for carbon sequestration, thereby contributing to adaptation of agriculture and forestry to climate change.

Scope: With increasing effects of climate change and a shift towards low(er) input production systems, there is the need for crops that are capable of capturing resources more efficiently and are resilient to abiotic stresses.

The root system and its interaction with soil biota is crucial for nutrient and water acquisition as well as for the capacity of plants to adapt to changing environments and to be more tolerant against pests and diseases. Phenotypic plasticity is key for plants to respond to varying soil conditions and highly dynamic distribution of soil resources. The size and architecture of the root system also determine the allocation of carbon in the soil. Breeding for root traits is therefore a promising strategy to increase plant stress resilience while also enhancing soil carbon sequestration.

Proposals should:

- Identify root traits that increase resource efficiency of plants in different environments, taking into account beneficial plant – microbe interactions and the restitution of plantfixed carbon to the soil:
- Increase our knowledge on the (molecular and biochemical) plasticity of root responses and their metabolic mechanisms to environmental cues;
- Improve existing and/or develop new root phenotyping tools (including image analysis
 protocols) to be used in controlled and on-field conditions, thereby overcoming the root
 data bottleneck:
- Develop strategies to implement "root breeding", i.e. select for desirable root characteristics and exploit the genetic variation in root traits.

Activities should be carried out in a range of agronomically relevant soil conditions.

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

Topic title

Type of Action

Specifies what kind of activities are to be performed

Expected outcomes

specifies the positive effects generated by the actions

Scope

specifies the focus and the boundaries of the potential action



Understand the policy drivers

- Cluster 5 "Climate, energy and mobility" aims to fight climate change by better understanding its causes, evolution, risks, impacts and opportunities, and by making the energy and transport sectors climate neutral, environment-friendly, efficient, competitive, smarter, safer, resilient and useful for citizens and society.
- R&I activities under CL5 will contribute to the objectives of the <u>European Green</u>
 <u>Deal related to the Climate Pact</u>, the <u>Clean energy strategy</u>, the <u>Strategic Energy Technology (SET) Plan</u>, the <u>Strategic Transport Research and Innovation Agenda (STRIA)</u>, <u>European Circular Economy Action Plan</u>

Intervention Areas

Climate sciences and solutions

Energy systems and grids

Energy supply

Builddings and industrial facilities in energy transitions

Energy storage

Communities and cities

Smart mobility

Clean, safe and accessible transport and mobility





IMPACTS

Understand the policy drivers

Transition to a climate-neutral resilient society and economy enabled through climate science, pathways and responses to climate change (mitigation and adaptation) and behavioural transformations.



Climate sciences and responses for the transformation towards climate neutrality

Transition of the energy and transport sectors towards climate neutrality facilitated by **innovative crosscutting solutions**.



Cross-sectoral solutions for the climate transition

More efficient, clean, sustainable, secure and competitive energy supply through new solutions for smart grids and energy systems based on more performant renewable energy solutions.



fustainable, secure and competitive energy supply

Efficient and sustainable **use of energy**, accessible for all is ensured through a clean energy system and a just transition.



Efficient, sustainable and inclusive energy

Towards climate-neutral mobility through **clean solutions across all transport modes** while increasing global competitiveness of the EU transport sector.



Clean and competitive solutions for all transport modes

Safe, seamless, smart, inclusive, resilient, climate neutral and sustainable mobility systems for people and goods thanks to user-centric technologies and services including digital technologies and advanced satellite navigation services.



Safe, Resilient Transport and Smart Mobility services for passengers and goods

All actions funded under CL5 destinations must help to deliver the respective main impacts.



Build the best consortium

- know the rules (minimum conditions are not always enough!)
- choose partners carefully and clarify everyone's role
- Consider experience and complementarity
- You can start locally, but always broaden your consortium in order to include an international dimension
- Explain why your consortium is the best (balance vs value chain)
- The coordinator is generally responsible for the overall planning of the proposal and for building up the consortium that will do the work.
- If you are a coordinator, be patient, inclusive and democratic but you take the final decisions



Write the proposal

Proposal template – Part B

may view this section only ReacLonb.

Acronym is mandatory Proposal title Max 200 characters (with spaces). Must be understandable Note that for technical reasons, the following characters are not eccepted Duration in Estimated duration of the project in full months. Fixed keyword SDG? Free keywords Enter any words you think give extra detail of the scope of spaces).		Type of a
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	e Work Programme ogramme manager formation. Use plai	ment committees and other interested parties. It must therefore be short and in typed text, avoiding formulae and other special characters. If the proposal is

Excellence - aspects to be taken into account.

- Clarity and pertinence of the project's objectives, and the extent to which the proposed work is ambitious, and goes beyond the state of the art.
- Soundness of the proposed methodology, including the underlying concepts, models, assumptions, interdisciplinary approaches, appropriate consideration of the gender dimension in research and innovation content, and the quality of open science practices, including sharing and management of research outputs and engagement of citizens, civil

ere appropriate.

Proposal template Part B: technical description

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

This template is to be used in a single- stage submission procedure or at the 2^{nd} 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; therefore you must remove this instruction page before submitting.

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 use of a different font for the body text is not advised and is subject to the cumulative conditions that the font is legible and that its use does not significantly shorten the representation of the proposal in number of pages compared to using the reference font (for example with a view to bypass the page limit).

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.

Text elements other than the body text, such as headers, foot/end notes, captions, formula's, may deviate, but must be legible.

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

I be taken into account only to the extent that the proposed work is within the mme topic.

[e.g. 4 pages

ctives of your proposed work. Why are they pertinent to the work programme ple and verifiable? Are they realistically achievable?

ect goes beyond the state-of-the-art, and the extent the proposed work is xceptional ground-breaking R&I, novel concepts and approaches, new products, organisational models. Where relevant, illustrate the advance by referring to eady available on the market. Refer to any patent or publication search carried

osed work is positioned in terms of R&I maturity (i.e. where it is situated in the pplication', or from 'lab to market'). Where applicable, provide an indication of s Level, if possible distinguishing the start and by the end of the project.

nd that advances beyond the state of the art must be interpreted in the light of the project. Expectations will not be the same for RIAs at lower TRL, compared ctions at high TRLs.

ges]

e overall methodology, including the concepts, models and assumptions that lain how this will enable you to deliver your project's objectives. Refer to any u may have identified in the chosen methodology and how you intend to pages]

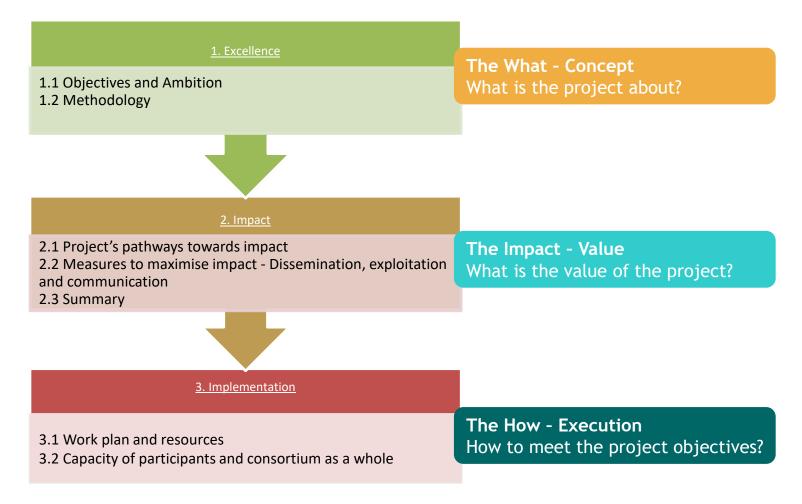
uld be presented as a narrative. The detailed tasks and work packages are under 'Implementation'.

nternational research and innovation activities whose results will feed into the will be established; [e.g. 1 pages]

d methods from different disciplines will be brought together and integrated in



Write the proposal





Write the proposal



Make sure that your proposed work is within the scope of the work programme topic of your choice



Demonstrate that your idea is ambitious and goes beyond the state of the art



Take into account interdisciplinary, gender dimension and open science practices in your scientific methodology. Respect the "no significant harm" criterion: Your research must not significantly harm the environment



Show how your project could contribute to the outcomes and impacts described in the work programme (the pathway to impact)

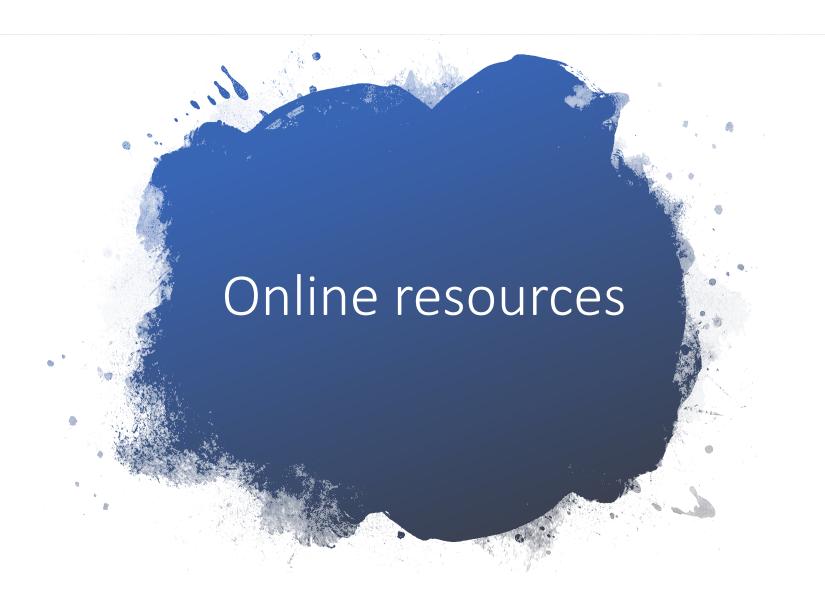


Describe the planned measures to maximise the impact of your project ('plan for the dissemination and exploitation including communication activities')



Demonstrate the quality of your work plan, resources and participants





The Horizon Europe Portal

https://www.horizoneuropencpportal.eu

work better.



participating in Horizon

Europe.

A single-entry point to what NCPs have to offer to potential participants in HE

... a coherent & collaborative frame for the whole NCP community,

...that complements the official info from the Funding & Tender Portal and the EC websites.

including online and

onsite training

What is there in the Horizon Europe NCP Portal?

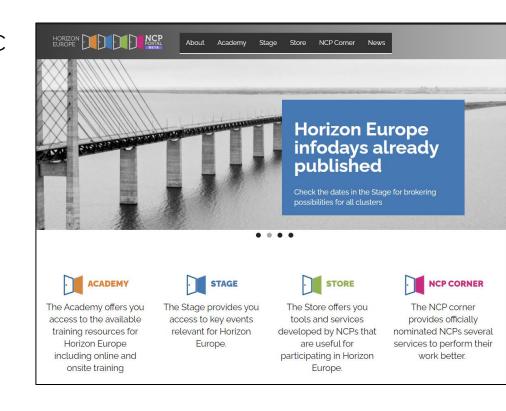
https://www.horizoneuropencpportal.eu

ACADEMY: Relevant training for NCPs and/or participants (organized by the EC or NCPs) + ad hoc e-leaning platform.

STAGE: Key events about HE for participants (organized by the EC or NCPs).

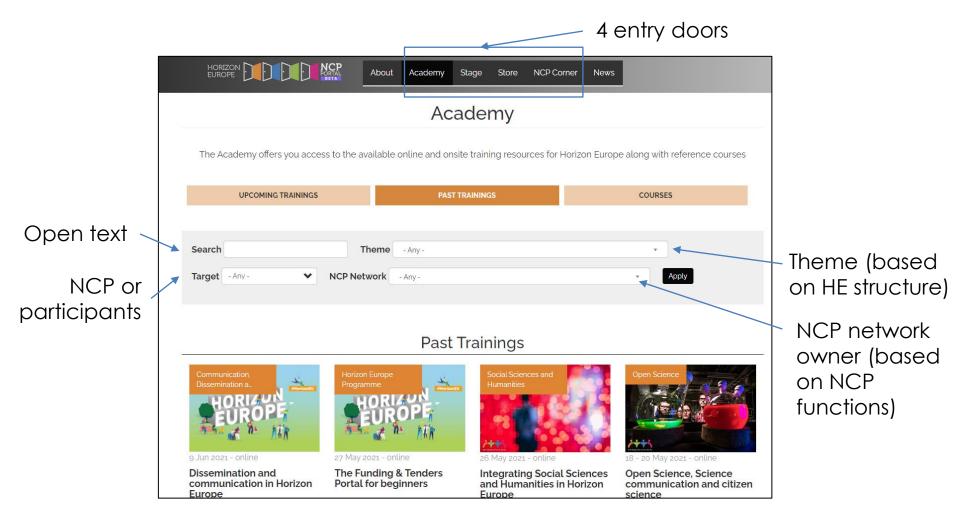
STORE: Tools and services useful for participants in HE (developed by NCPs).

NCP CORNER: Tools and workshops targeting NCPs (organized by the EC or NCPs).



How can I search for relevant content?

https://www.horizoneuropencpportal.eu

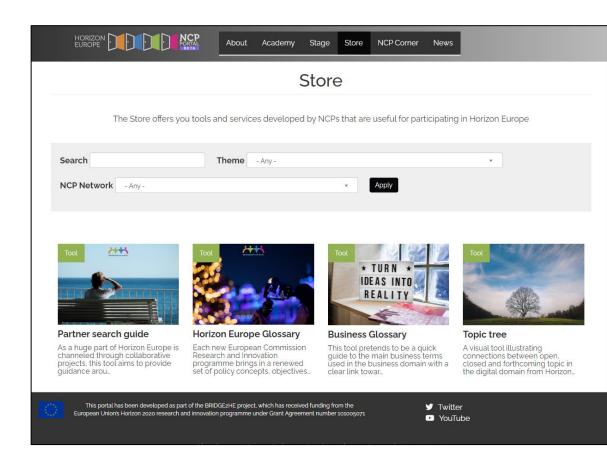




Is there already any useful tool in the Portal?

https://www.horizoneuropencpportal.eu

Access the **STORE**Select the tool
Download it
(i.e. business glossary, HE glossary and PS guide)
or Access it online (i.e.
the topic tree).





slido

Please, go to www.slido.com with the code

555251

If you have questions





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Thanks for your attention!

Miriam de Angelis

mdeangelis@apre.it