

How to write competitive Horizon Europe grant proposals? Session 1.

Dr. Borbala Schenk

European Research Funding Advisor

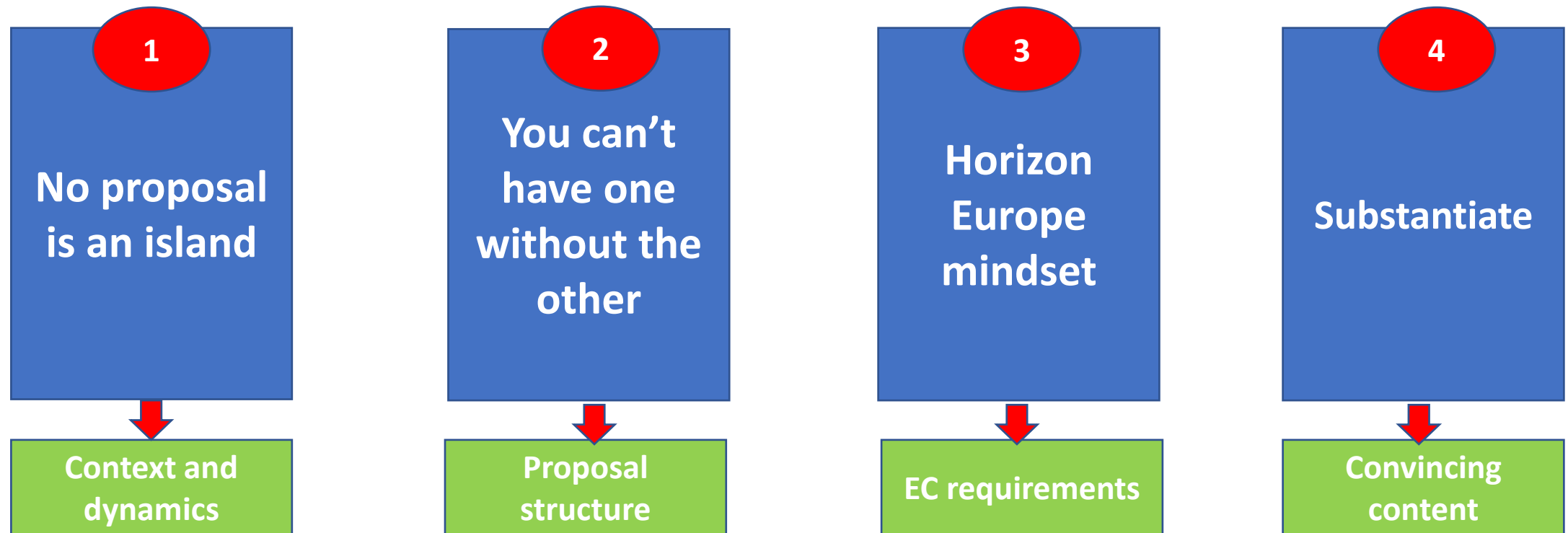
Corvinus University Budapest | Centre for Horizon Europe

January 25, 2021

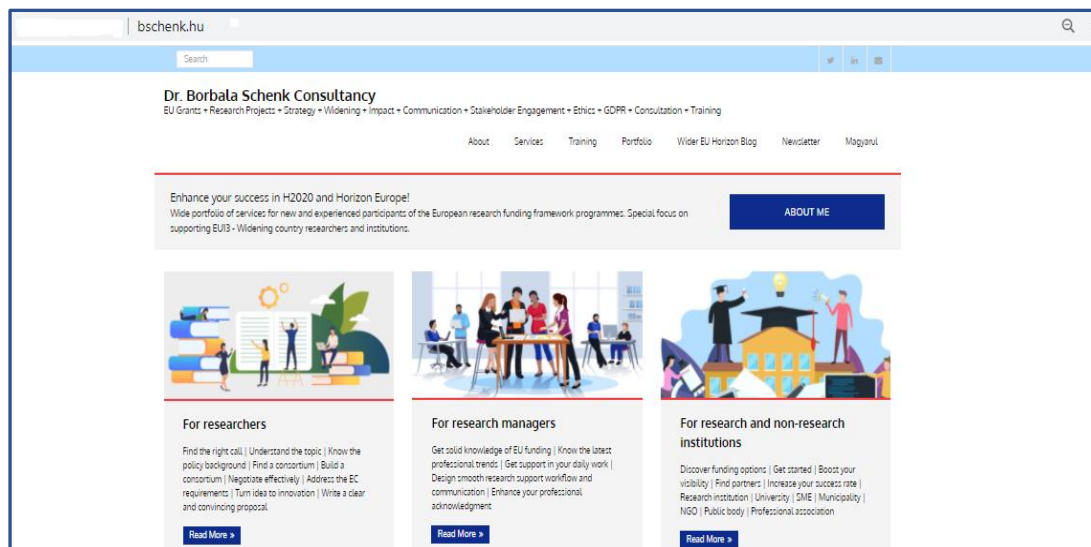
Course structure and learning outcomes

4 sessions – 4 topics

Big picture approach + practical information on details



dr. Borbála Schenk



<http://bschenk.hu>

- Advisor specialized in European research funding framework programmes (H2020, Horizon Europe)
- Proposal writing, development and quality assurance experience in various EU funding schemes (Widening Participation, Societal Challenges, MSCA ITN, MSCA RISE, FET-Open, Science with and for Society, COST, Erasmus+)
- In 2020 contributed to 3 winning projects and 1 with reserve list status, record of multiple impact sections with maximum scores
- Since 2018 trainings on research management and proposal writing in 5 countries for researchers and research managers
- Board-member of the European Association of Research Managers and Administrators, responsible for liaising with the European Commission
- Core Group Member of ERION network, a Europe-wide community for professionals in Research Ethics, Research Integrity and GDPR issues.
- Lawyer by degree, 15+ years of experience in research and university environments, having held management, lecturing and editorial positions

Tasks and questions → slido.com



A screenshot of the Slido website homepage. The browser address bar shows 'https://www.slido.com'. The navigation menu includes 'Product', 'Solutions', 'Pricing', 'Resources', 'Enterprise', 'Log In', and a green 'Quick event' button. The main content area features a green heading 'Joining as a participant?' with the subtext 'No account needed.' Below this is a text input field with the placeholder '# Enter event code' and a green arrow button. To the right, a large banner image shows a laptop displaying a Slido poll and a video conference grid, with the text 'The ultimate Q&A and polling platform for virtual trainings!' and buttons for 'Try it free' and 'Schedule a demo'. A red arrow points from the event code input field to a green box containing the number '73922'.

73922

Session 1. Slido #1

1

No proposal
is an island.

List some adjectives that characterize the European research funding programmes (H2020, Horizon Europe) from your perspective!

A word cloud of adjectives describing European research funding programmes. The most prominent word is 'complicated'. Other visible words include 'complex', 'administrative', 'cooperative', 'overwhelming', 'sophisticated', 'burdensome', 'time consuming', 'responsibe', 'source of monye invol', 'cooperation', 'fuzzy', 'freedom', 'prestigious', 'sociatal', 'complexity', 'Bureaucratic', 'international', 'black tunnel', and 'Innovation'.

administrative
cooperative
overwhelming sophisticated
cooperation source of monye invol burdensome
responsibe time consuming
complicated
freedom **complex** fuzzy
prestigious sociatal complexity
Bureaucratic international black tunnel
Innovation

How to write competitive Horizon Europe grant proposals – Session 1.

1

**No proposal
is an island.**

- Horizon Europe structure
- Policy context
- WP – Call – Topic
- Synergies with other projects

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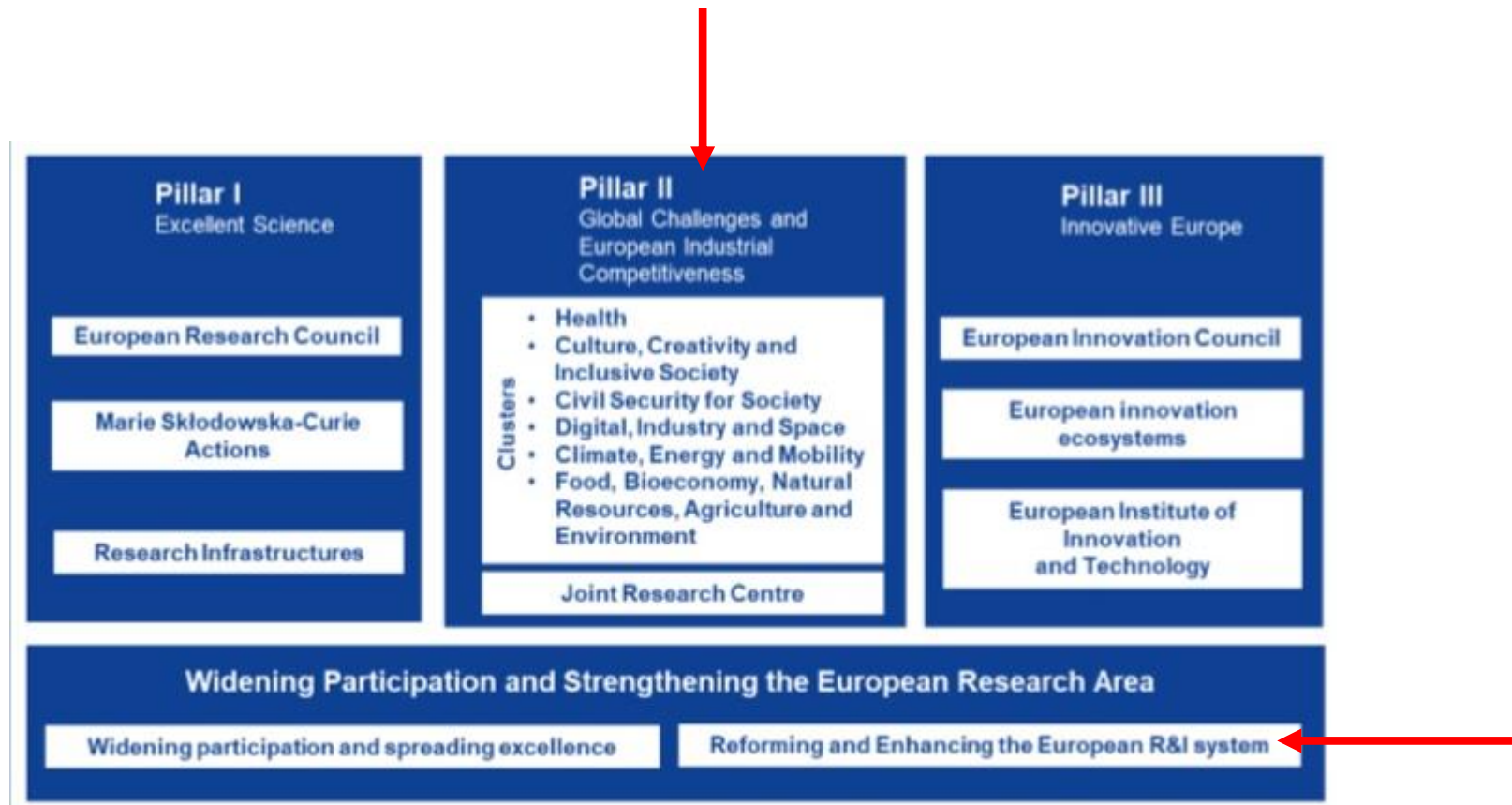
Structure of Horizon Europe



Bottom-up research grants



Top-down research grants



Structure of Horizon Europe

For the aim of this course

Horizon Europe proposal = Horizon Europe collaborative proposal
(Pillar II.)

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The European Commission's policy priorities

- 01 A European Green Deal
- 02 A Europe fit for the Digital Age;
- 03 An economy that works for people
- 04 A stronger Europe in the world;
- 05 Promoting our European way of life;
- 06 A new push for European democracy

6 Commission priorities for 2019-24

A European Green Deal

Europe aims to be the first climate-neutral continent by becoming a modern, resource-efficient economy.



A Europe fit for the digital age

The EU's digital strategy will empower people with a new generation of technologies.



An economy that works for people

The EU must create a more attractive investment environment, and growth that creates quality jobs, especially for young people and small businesses.



A stronger Europe in the world

The EU will strengthen its voice in the world by championing multilateralism and a rules-based global order.



Promoting our European way of life

Europe must protect the rule of law if it is to stand up for justice and the EU's core values.



A new push for European democracy

We need to give Europeans a bigger say and protect our democracy from external interference such as disinformation and online hate messages.



Forrás: https://ec.europa.eu/info/strategy/priorities-2019-2024_en

UN Sustainable Development Goals

The United Nations Sustainable Development Goals



CLUSTER 4: DIGITAL, INDUSTRY AND SPACE: Challenges and policy-objectives

Challenges and their Drivers: (examples)

- Reliance on imported key technologies and raw materials is compromising Europe's autonomy.
- Plants not fit for a fully circular and climate neutral industry;
- lack of scale-up and technology diffusion capacities
- Developments in industry and in enabling technologies have the potential to enhance social inclusion; at the same time, there is a growing risk of digital divides.

EU policy objectives (examples)

- Against this background, the overarching vision behind the proposed investments is a European industry with global leadership in key areas, fully respecting planetary boundaries, and resonant with societal needs – in line with the renewed EU Industrial Policy Strategy
- In line with the priority of the Commission of an economy that works for people, industry will be providing one out of four jobs, having set the transition to climate-neutrality before 2050 on a solid ground.
- In line with the priority of the Commission of a Europe fit for the Digital Age, EU sovereignty will be pursued within key strategic value chains,¹¹¹ by supporting digital, other key enabling and space technologies.

CLUSTER 4: DIGITAL, INDUSTRY AND SPACE: : Research priorities (examples)

- Interactive Technologies, including immersive technologies and language technologies, combined with AI, for example in virtual agents or accessibility automation tools, will support the human centric aspects of the Next Generation Internet and allow for a more inclusive, useroriented/driven and innovative use of computers, machines and the Internet, bringing opportunities in many industrial and societal sectors, helping tackle sustainability challenges and ensuring that benefits of research and innovation are reaped equally by all members of society.
- Combined with those advances, research and innovation will be also required for co-designing software, algorithms, programming models, simulations and tools for their integration in novel computing systems. These could be used for supporting the development of large-scale and industry-led pilot applications targeting key industry sectors, but also for public services like weather forecasting and climate modelling.
- Design of circularity enabled products, implementation of circular supply chains and systematic cradle-to-cradle life cycle assessment both for new and existing products;
- Product life extension through predictive maintenance, repair, re-use, and refurbishment leading to value loops at European scale;
- Ensure that all citizens will experience the advantages of AI in daily life, such as traffic optimization and autonomous driving to reduce citizens everyday stress and drastically reduce the number of road accidents, to truly intuitive AI-based systems adapting to human needs, to support them in specific tasks, improving their working conditions, and making the technology easy to use by all, even the non-experts in AI.

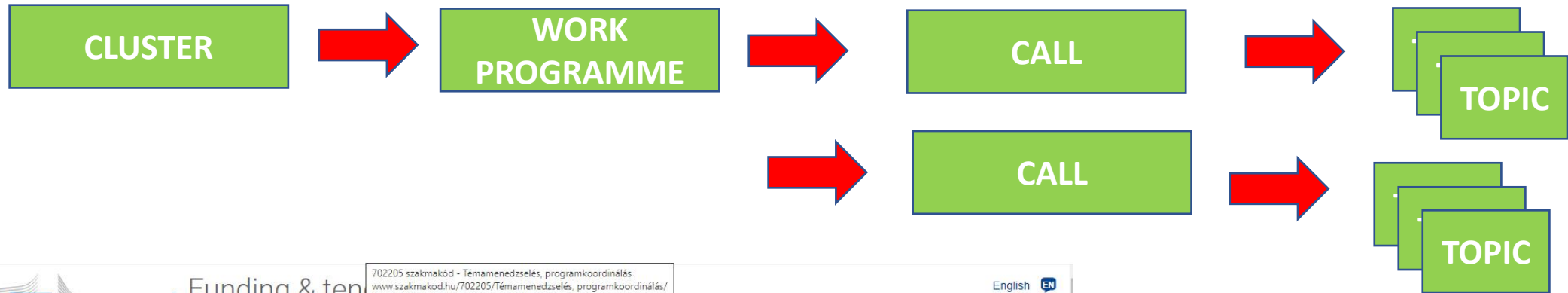
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■ WP – Call – Topic



The screenshot shows the European Commission's Funding & tenders portal. The header includes the European Commission logo, the text "Funding & tenders opportunities", and the URL "www.szakmakod.hu/702205/Temamenedzseles_programkoordinalas/". The main navigation bar includes "SEARCH FUNDING & TENDERS", "HOW TO PARTICIPATE", "PROJECTS & RESULTS", "WORK AS AN EXPERT", and "SUPPORT". The main content area displays "Horizon 2020 Framework Programme (H2020)" and a search bar. Below the search bar, there are filters for "GRANTS" (checked) and "TENDERS". The main content area shows "Funding and tenders (29)" and a table of results for the "EIC Horizon Prize for 'Innovative Batteries for eVehicles'".

Funding and tenders (29)			
Grant	EIC Horizon Prize for 'Innovative Batteries for eVehicles'		
Open for submission	Horizon 2020 Framework Programme		
Programme	Horizon 2020 Framework Programme	Deadline model	single-stage
ID	Batteries-EICPrize-2018	Opening date	22 February 2018
Types of action	Inducement Prize	Deadline date	17 December 2020 17:00:00 Brussels time

Funding and Tenders portal - Topic page

Materials life cycle sustainability analysis

TOPIC ID: CE-NMBP-42-2020

Grant

General information

Topic description

Conditions and documents

Submission service

Topic related FAQ

Get support

Call information

Call updates

Funded project list



Go back to search results

General information

Programme

[Horizon 2020 Framework Programme](#)

Work programme part

[Cross-cutting activities](#)

Call

[COMPETITIVE, LOW CARBON AND CIRCULAR INDUSTRIES \(H2020-LOW-CARBON-CIRCULAR-INDUSTRIES-2020\)](#)

Work programme year

H2020-2018-2020

Type of action

Deadline model

single-stage

Opening date

03 July 2019

Deadline date

05 February 2020 17:00:00 Brussels time

Topic description

Specific Challenge:

The main purpose of the Circular Economy (CE) is to develop material/product business models that are economically and environmental sustainable, with actions supporting each stage (and upcycling of waste-materials) while promoting industrial and social innovation. In line with this, the challenge is to evaluate product improvement, taking into consideration, all relevant cycle stages of the product. However, although environmental indicators and methodologies for product level assessment are well advanced and harmonised (LCA-PEF^[1]) this is not yet the assessment. Life cycle sustainability analysis (LCSA) is needed, integrating social and economic benefits with environmental burdens, which fit these causal interrelations into an holistic

Scope:

- Specific challenge
- Scope
- Budget
- Expected impacts [changes in Horizon Europe]
- Type of Action

Pillar II. Main types of action

Coordination and Support Action

Primarily accompanying measures: standardisation, discrimination, awareness-raising, strategic planning etc.

Summoning knowledge

Research and Innovation Action

Establish new knowledge, explore the feasibility of a new or improved technology or solution

Establishing knowledge

Innovation Action

Producing plans and arrangements for new products

Upscaling, testing, piloting, showcasing innovative systemic solutions, operational environment

Limited research activities

Types of actions - examples

ARCADE - Supporting the CAD Initiative

Coordination and Support Action

ARCADE is a Coordination and Support Action funded by the European Commission's Horizon 2020 programme, aimed at building consensus across stakeholders from all sectors for a sound and harmonised deployment of Connected, Cooperative and Automated Driving (CAD) in Europe and beyond.

Research and Innovation Action

Programme in Costing, resource use measurement and outcome valuation for Use in multi-sectoral National and International health economic evaluations: PECUNIA aims to tackle the healthcare challenges of an ever-growing and rapidly ageing population in the EU by developing new standardised, harmonised and validated methods and tools for the assessment of costs and outcomes in European healthcare systems.

Comparing and exploiting data across different countries and sectors, PECUNIA aims to provide direct comparable solutions to improve chronic and mental healthcare in all EU health systems.

Innovation Action

The project will advance the provision of cleaner and cost-effective geothermal energy across Europe and the World with reduced emissions of carbon and sulphur. The core of this project is the application of an innovative technology, recently developed and successfully demonstrated at a pilot-scale in Iceland, which can limit the emissions from geothermal plants by condensing and re-injecting gases in the subsurface, or turning them into commercial products.

GECCO aims to increase public acceptance and generalise this novel approach. To that end, the re-injection method will be applied in four distinct geothermal systems in four European countries: 1) a high temperature basaltic reservoir in Iceland; 2) a high temperature gneiss reservoir in Italy; 3) a high temperature volcano-clastic reservoir in Turkey; and 4) a low temperature sedimentary reservoir in Germany.

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RESILOC @resiloc · Jan 14

We are excited to join @BuildERS_EU @LINKS_EUProject & @EngageH2020 for the 1st #DRS01 #resilience Cluster Conference enabled by @CMINE_EU. We will be joined by the @REA_research team engaging in dialogue on joint cooperation, buildup on synergies & added value collaboration.

Free

DRS01 Cluster Mini-Conference

BuildERS RESILOC LINKS ENGAGE

DRS01 Group enabled by: CMINE www.cmine.eu

4 February 2021 - 09:00 to 13:00 CET

Joining forces for a global 21st century Responsible Research and Innovation Network

Posted on December 22, 2020



As a part of the European Scientific Open Forum 2020, the RRING network, the NewHoRRizon and the ORION project hosted an interactive online roundtable on "Joining forces for a global network of responsible research and innovation in the 21st century".

The round table was chaired by Dr. Gordon Dalton RRING project coordinator, and the initial presentations of Dr. Erich Griessler – NewHorizon project and Maria Hagardt – ORION Open Science project. All three projects are funded under the SwafS programme of Horizon 2020.

Session1. - Summary

1

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Always explore

- **the policy context of the Topic (EU, UN SDG)**
- **the position of the Topic in the Horizon Europe structure**
- **the precise text of the Topic**
- **the synergies with other funded EU-projects related to the Topic**

Session 1. Slido #2

1

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What are the take-away messages for you from How to write competitive Horizon Europe proposals Session 1?

Proposals are much more strictly defined by policy documents than I thought

Focus your research following the check on previously funded projects

proposal should reflect the call indications

it takes an AWFUL lot of time, energy, attention, resolution to write a proposal

complicate, take a lot of time

it is important that you check your connectedness, within the existing projects

Writing a proposal is akin to joining into a discussion (prior topics, as well as the broader themes matter)

give time for checking the environment (policy level, other proposals) of my proposal

Session 1. Home assignment #1

1

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- Find the currently open topic on circular economy
- Summarize the specific challenge of the topic
- Collect the European policy documents and initiatives the topic mentions
- What type of action does the topic support?

Session 1. Home assignment #2

1

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LC-GD-3-2 puts a special emphasis on how to effectively apply the circular economy concept beyond traditional resource recovery in waste and water sectors. Find at least 3 relevant funded projects in this subject area!



Joining as a participant?

No account needed.

73922

Q&A

Thank you for your attention!

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