



WELCOME!

Horizon Europe

“Widening participation & spreading excellence” (WIDERA)”

Community Building Event

Housekeeping

- To avoid background noise all participants will be muted and cameras will be off.
- We will allow delegates to unmute themselves and share their cameras during the breakout rooms.
- Please use the chat to introduce yourself. Please note due to GDPR we cannot share the chat so capture what you need (copy/paste, screenshot or photo)
- Please also use the Q&A function to submit your questions.
- If you have any technical problems, please use the chat to seek advice from the host (Michael Foster)

PLEASE NOTE – THE WEBINAR IS BEING RECORDED



Agenda

Time (UK timings)	Item	Speaker
12:00	Welcome, introduction and aims of the day	Belen Rebollo - Innovate UK KTN
12:10	UK participation and benefits for UK participants	Jon Brookes - UKRO
12:20	Overview of WIDERA instruments and NCP support for WIDERA coordinators	Karina Barantseva - Widening NCP, NCBR, Poland Adam Weglowski - Widening NCP, NCBR, Poland
12:35	Twinning Calls	Aurelija Povilaike - NCP Lithuania
12:45	Q&A	Belen Rebollo
12:55	Case study from Poland	Jan Osiński - NCBR
13:05	Case studies from Estonia	Kristin Kraav - Estonian Research Council
13:15	Q&A	Belen Rebollo
13:25	BREAK	
13:35	Support from SIN network	James McLaughlin - SIN Network
13:45	Pitching presentations	
14:05	Breakout rooms: A break out room for each pitcher UK participation - (Jon) Teaming, Pathways to Synergies, ERA Chairs - (Karina & Jan) Twinning, ERA Talent- (Aurelija & Kristin) SIN Network 2 extra networking rooms	
14:50	Wrap-up	





Innovate UK KTN – European Programmes Activity and support



Belen Rebollo-Garcia
Knowledge Transfer Manager

belen.rebollo-Garcia@iuk.ktn-uk.org



Innovate UK KTN exists to connect innovators with new partners and new opportunities beyond their existing thinking – accelerating ambitious ideas into real-world solutions.

Cross-Sector Expertise

Agrifood
Biotechnology
Chemistry
Creative Industries
Design
Digital
Electronics
Energy
Geospatial
Health
Industrial Maths
Infrastructure

Manufacturing
Materials
Photonics
Quantum
Robotics & AI
Security & Defence
Sensors
Space
Transport
Water



Innovate UK
KTN

Our Network



46,229
Unique
Organisations



72% Small
15% Medium
13% Large



234,478
innovators



Every university
in the UK

Our Outputs

66%

introduced by
KTN go on to
collaborate

42%

reach
outcomes
faster
(1-2 years)

60%

increased
investment in
R&D direct
result from
KTN
engagement

£100m

per year
increased
investment in
R&D



Innovate UK
KTN



Global Alliance: European Programmes

We support UK organisations in **engaging with International R&I initiatives** (i.e. Horizon Europe and EUREKA, among them) and help shape future funding priorities by:

- ◆ Organising consortium building activities / events in selected topics
- ◆ Offering “Travel Grants” to attend European brokerage events
- ◆ Managing international collaboration platforms
- ◆ Engaging with International Partnerships and Technology Platforms
- ◆ Providing sector specific advice on market opportunities and project impact

We work closely with the National Contact Points, Innovate UK Edge and the FCDO / Science Innovation Network.



Innovate UK
KTN



UK participation in Horizon Europe & benefits for UK participants in WIDERA

Jon Brookes
UK Research Office (UKRO)



UK Research Office
Brussels

Widening participation and spreading excellence-

UK Perspective

18 April 2023

Jon.Brookes@ukro.ac.uk



About UKRO

We support UK research intensive organisations

Provide a service to more than 140 subscribing organisations

A Brussels-based team of advisors

Part of UKRI's wider International team

UK National Contact Point for
ERC, Marie Skłodowska-Curie Actions, COST
and... **Widening Participation.**



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Brussels





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Resources



[Horizon Europe Resources](#)



[ELO Resources](#)



[Other Factsheets](#)



[Archived Horizon 2020 Resources](#)



[EU-UK Relationship](#)



[MSCA and Mobility](#)



[Expert Evaluators in Horizon Europe](#)

New UKRO Portal

- Easier access to UKRO resources based on a typical user journey
- Visually attractive content fully integrated with UKRO's visual identity
- Improved search functionality
- Improved security



UK Research Office
Brussels

Update on UK Participation in Horizon Europe



UK participation in Horizon Europe

Dec 2020: UK-EU Agreement
incl. [announcement](#) of intention for
UK to associate to Horizon Europe

Agreement sets out that UK entities can
participate in/coordinate projects and
receive funding from Horizon Europe.



UK Research Office
Brussels

UK-EU TRADE AND COOPERATION AGREEMENT

Summary

December 2020

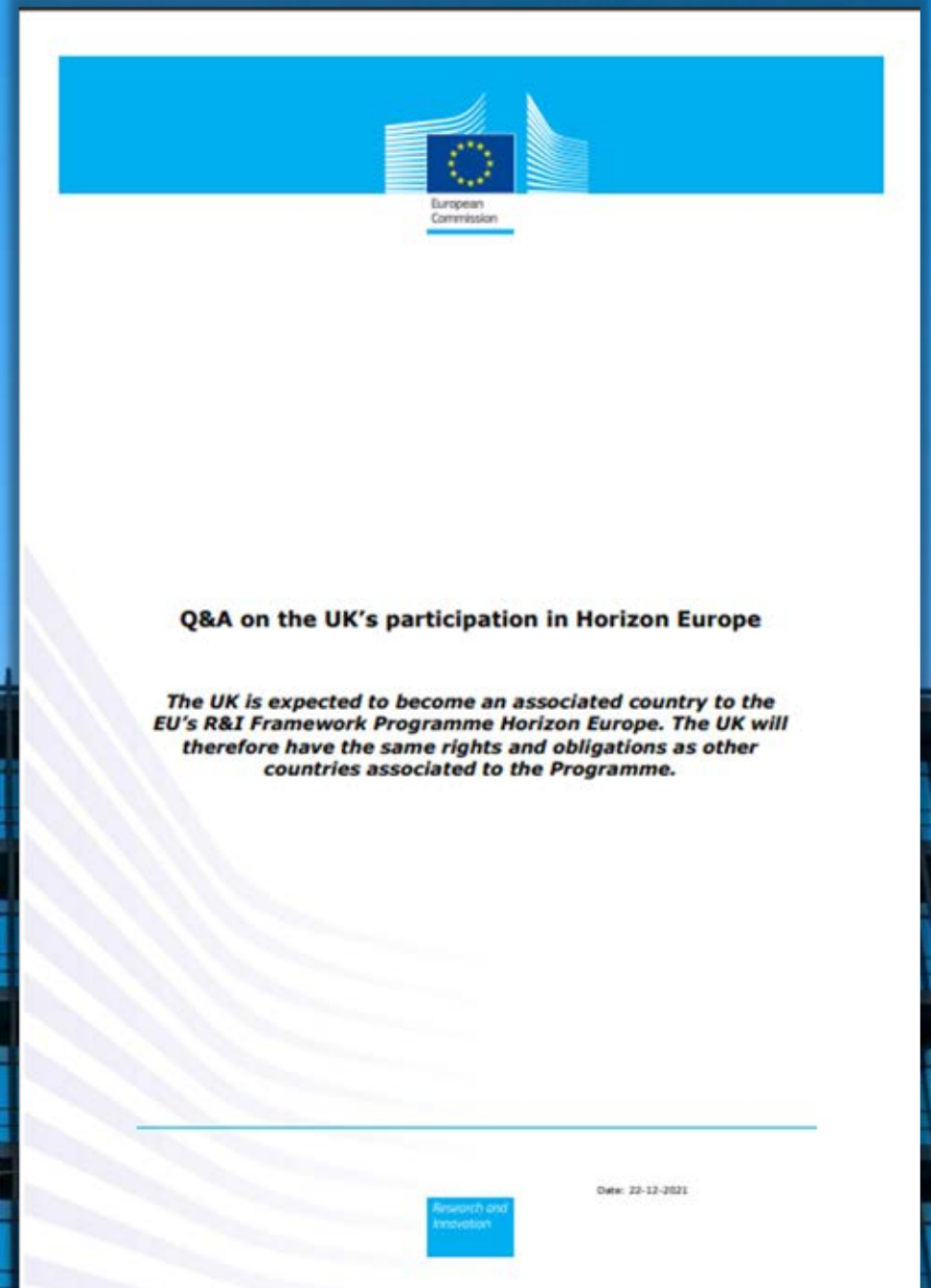
EC Guidance on current situation

European Commission's Q&A confirms UK eligibility to apply

"...UK applicants are treated as if the UK is an associated country throughout the process, from admissibility and eligibility to evaluation, up until the preparation of grant agreements."



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Brussels



Where are we at the moment?

Association pending

- Submission as beneficiary,
- change to Associated Partner at GAP phase for **Guarantee funding**



Association finalised

- Submissions as beneficiary with EU funding. No changes at GAP phase.

UK unable to associate

- Submissions as Associated Partners with UK funding.
- UK Gov Transitional measures applying.

Key message

Keep applying to Horizon Europe
as **beneficiaries** requesting EU budget.



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Brussels

WIDERA National Contact Point

UKRO has temporarily closed the phone lines for the WIDERA NCP but the helpdesk will continue to operate a full service as usual via e-mail widera-uk@ukro.ac.uk. If you have any questions regarding WIDERA, please, do not hesitate to contact us.

We also offer online meetings. You can request this through the e-mail address above.

Sign up for [UK Horizon Europe newsletters](#) for regular updates on the programme from the UK National Contact Points.

The UK WIDERA National Contact Point is funded by the [Department for Science, Innovation & Technology](#).

Follow us at [@_UKRO_](#).

Eligibility of UK applicants in Horizon Europe

The European Commission has published [Questions & Answers on the UK's participation in Horizon Europe](#) which states that:

UK applicants are treated as if the UK is an associated country throughout the process, from admissibility and eligibility to evaluation, up until the signature of grant agreements. However, grant agreements can only be signed once the association has come into force.



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Brussels



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Brussels

Widening and ERA

<https://op.europa.eu/en/publication-detail/-/publication/d3eed905-7356-11ec-9136-01aa75ed71a1/language-en/format-PDF/source-248298288>



Pillar 1

Excellent Science

European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures

Pillar 2

Global Challenges and
European Industrial
Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3

Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of
Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Widening participation and Strengthening the European Research Area

A **gender-equal** research area, attracting **global talent** ([UKRO article](#))

Fostering **brain circulation** and preventing brain drain ([UKRO article](#))

Fostering **transnational** cooperation

Aimed at improving proposal quality from Member State legal entities with low R&I performance

Widening areas of intervention:

- **COST Actions**
- Teaming
- Twinning
- ERA-Chairs
- Excellence initiatives

Reforming and enhancing the European R&I system

- support to national policy reform
- providing attractive career environments
- gender equality and
- citizen science. (SWAFS in H2020)



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Brussels

Find out about current proposals for the [European Research Area](#)

Which Countries are ‘Widening’ Countries?

A ‘Composite indicator of Research Excellence’ (with a corrective threshold of 70% of the EU average) is used to distinguish those countries identified as ‘Widening’ countries. These are:

- **Member States:** Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Greece, Hungary, Latvia, Lithuania, Malta, Poland, Portugal, Romania, Slovakia and Slovenia

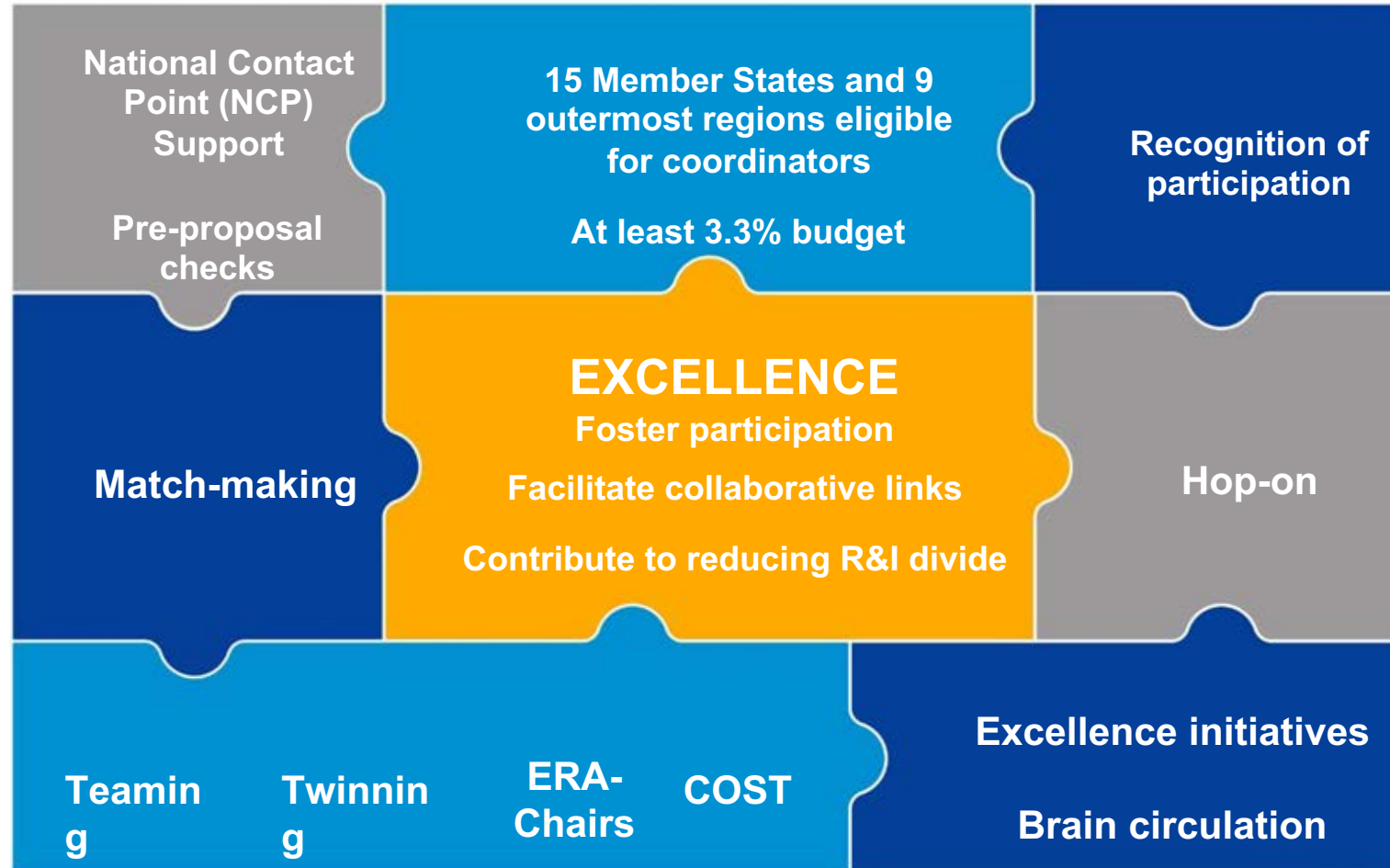
*Luxembourg will **not** be classed as a widening country in Horizon Europe.*

- **Associated Countries (subject to valid association agreements of third countries with Horizon Europe. Previously in Horizon 2020 these included:** Albania, Armenia, Bosnia and Herzegovina, Faroe Islands, North Macedonia, Georgia, Moldova, Montenegro, Serbia, Tunisia, Turkey and Ukraine.
- Notably, **3.3%** of the total Horizon Europe budget ringfenced for widening opportunities.





Widening participation/spreading excellence (opportunities available)



Thank you!



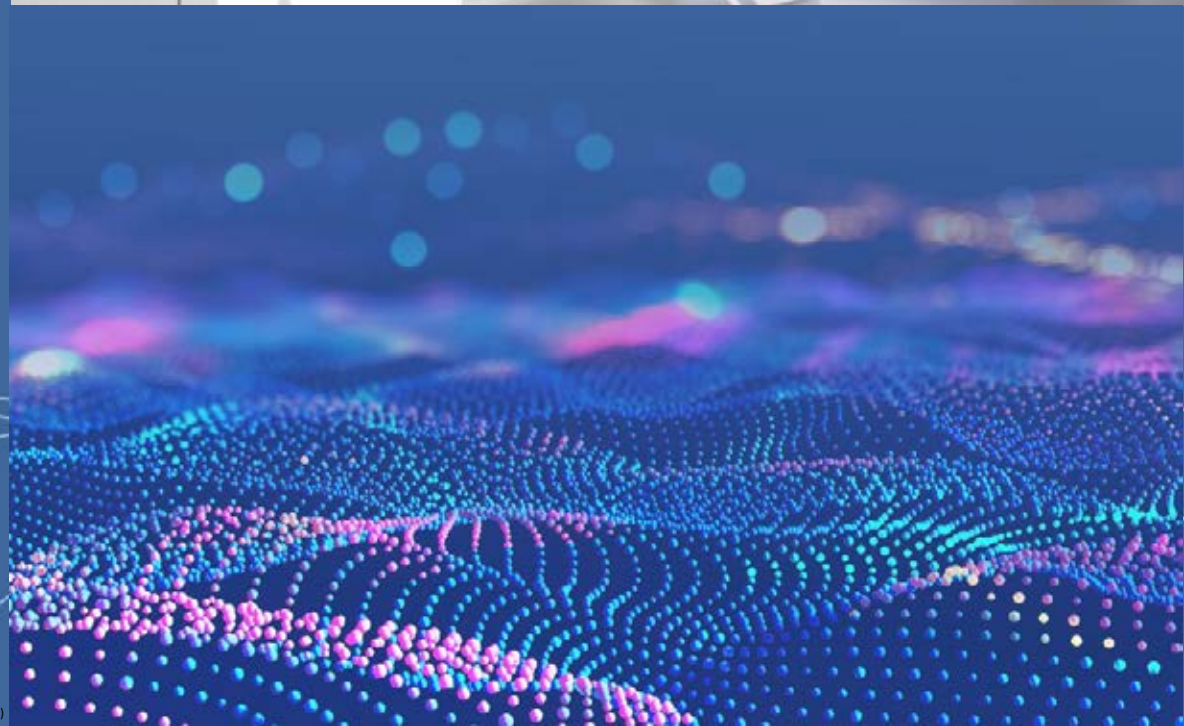


Overview of WIDERA Instruments and support for Coordinators

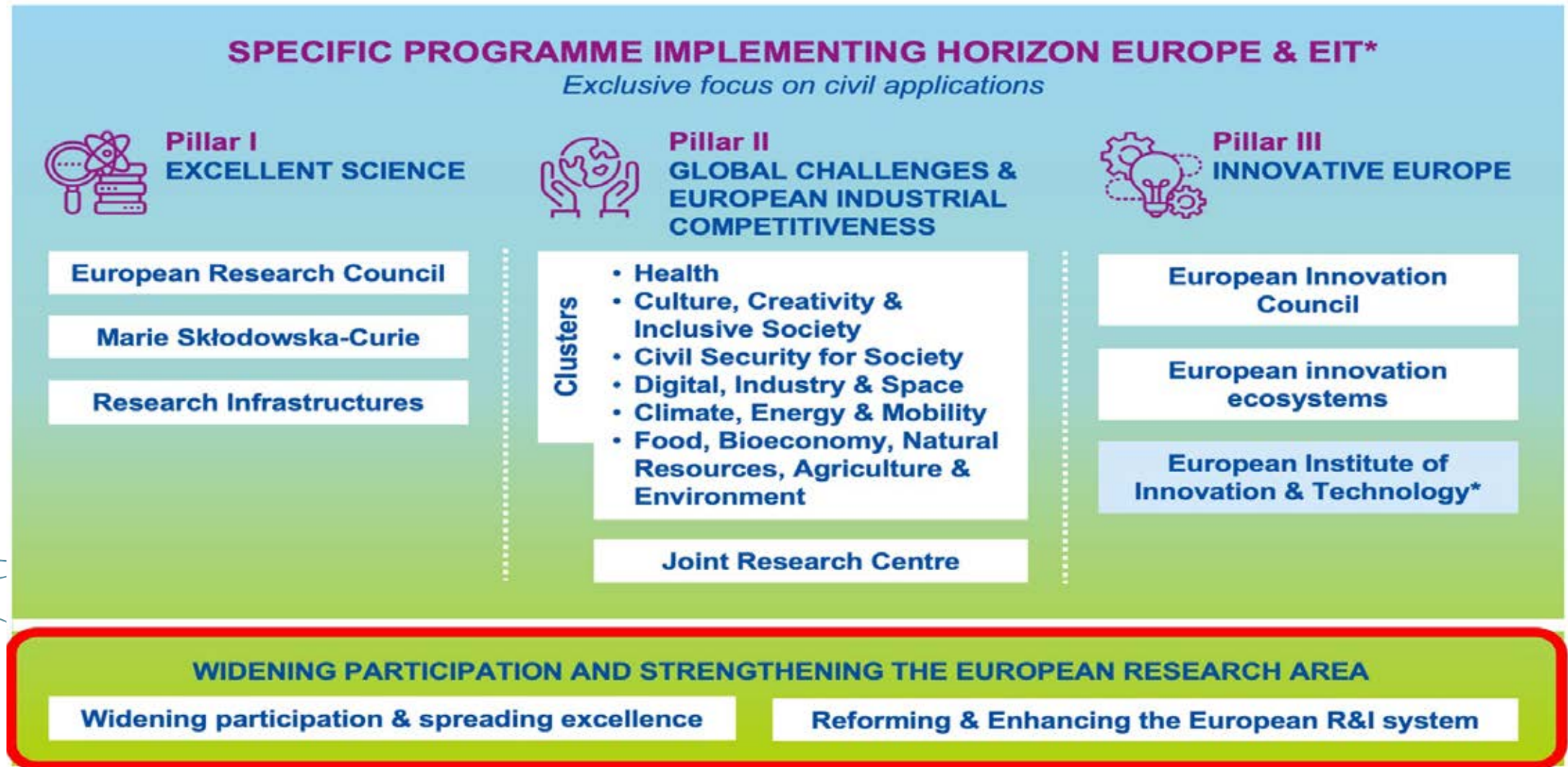
Karina Barantseva
WIDENING NCP in Poland
NCBR

Overview of WIDERA Instruments and NCP Support for WIDERA Coordinators

Karina Barantseva
Widening NCP, NCBR, Poland



Horizon Europe: Overall Architecture



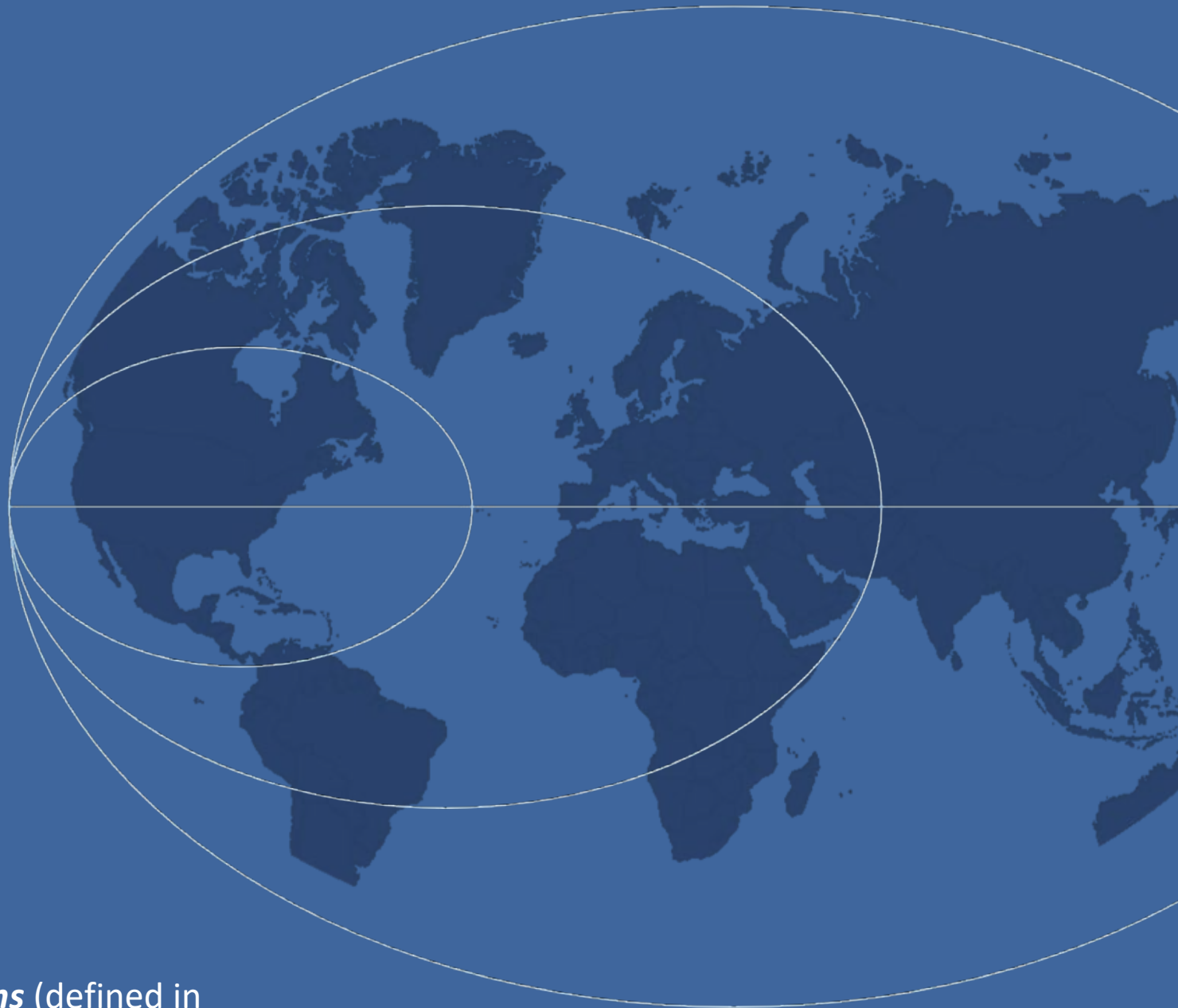
Widening Countries

- Bulgaria
- Croatia
- Cyprus
- Czechia
- Estonia
- Greece
- Hungary
- Latvia
- Lithuania
- Malta
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia

Associated Countries:

- Albania
- Armenia
- Bosnia & Herzegovina
- Faroe Islands
- Georgia
- Kosovo
- Moldova
- Montenegro
- North Macedonia
- Serbia
- Tunisia
- Turkey
- Ukraine
- Morocco,

as well as the Outermost Regions (defined in Art. 349 TFEU).



Destination *Improved access to Excellence*

(requires a stronger R&I system where best practice is disseminated faster across the European Union)

Capacity building
in science and
administrative
competencies,
leadership roles
under Pillar 2

- Twinning
- European
Excellence
Initiative (EEI)
- Hop-on facility

Creating new or
modernising existing
centres of excellence
by means of close and
strategic partnerships
with leading
institutions abroad

- Teaming for
Excellence

Catalyzing
better impact
and
sustainability of
the widening
actions

- Dissemination and
Exploitation Support
Facility
- Pathways to
Synergies

Innovation
excellence focus,
teaming up
between
academia,
business,
government and
society

- Excellence
Hubs

Destination Attracting and mobilising the best talents

(supports further progress on the free circulation of knowledge in an upgraded, efficient and effective R&I system)

Support universities or research organisations to attract and maintain high-quality human resources under the direction of an outstanding researcher, and to implement structural changes

- ERA Chairs

Create opportunities for brain circulation for research and innovation talents across the ERA and across sectors, aiming to revert the brain drain from Widening countries. Foster a better exploitation of existing (and possibly jointly managed) research infrastructures in the targeted countries

- ERA Talents

Builds on the MSCA Postdoctoral Fellowships action, the target group are host organisations located in Widening Countries

- ERA Fellowships

Novelties for Widening under Horizon Europe:

- More integrated policy approach and **enhanced synergies with regional policy**, transnational missions, regional smart specialisation strategies etc.
- Full **alignment with new ERA strategic priorities**
- **Continuation of** core widening instruments **Teaming, Twinning and ERA Chairs** with some improvements in response to lessons learnt
- **Research cost for CSA eligible** under widening opening opportunities for integrating smaller research projects into **Teaming, Twinning, EEI and ERA Chairs**
- Twinning is presented in 2 versions: **Twining Bottom-Up (usual)** and **Twining Green Deal**
- More emphasis on developing **management capacities**
- **Full integration of COST under Widening**, 80% of actions must have significant widening dimension
- **Fixed list of eligible Member States to host the main beneficiary** (EU13 + PT + EL) based on new indicators and internal study + Associated Countries
- **EU Outermost Regions fully eligible** to host the coordinator
- Full implementation of **“Advancing Europe” package** with a number of additional support schemes to boost participation of less research performing countries

NCP and HCP Support

Polish State Case



National Contact Points (NCPs)

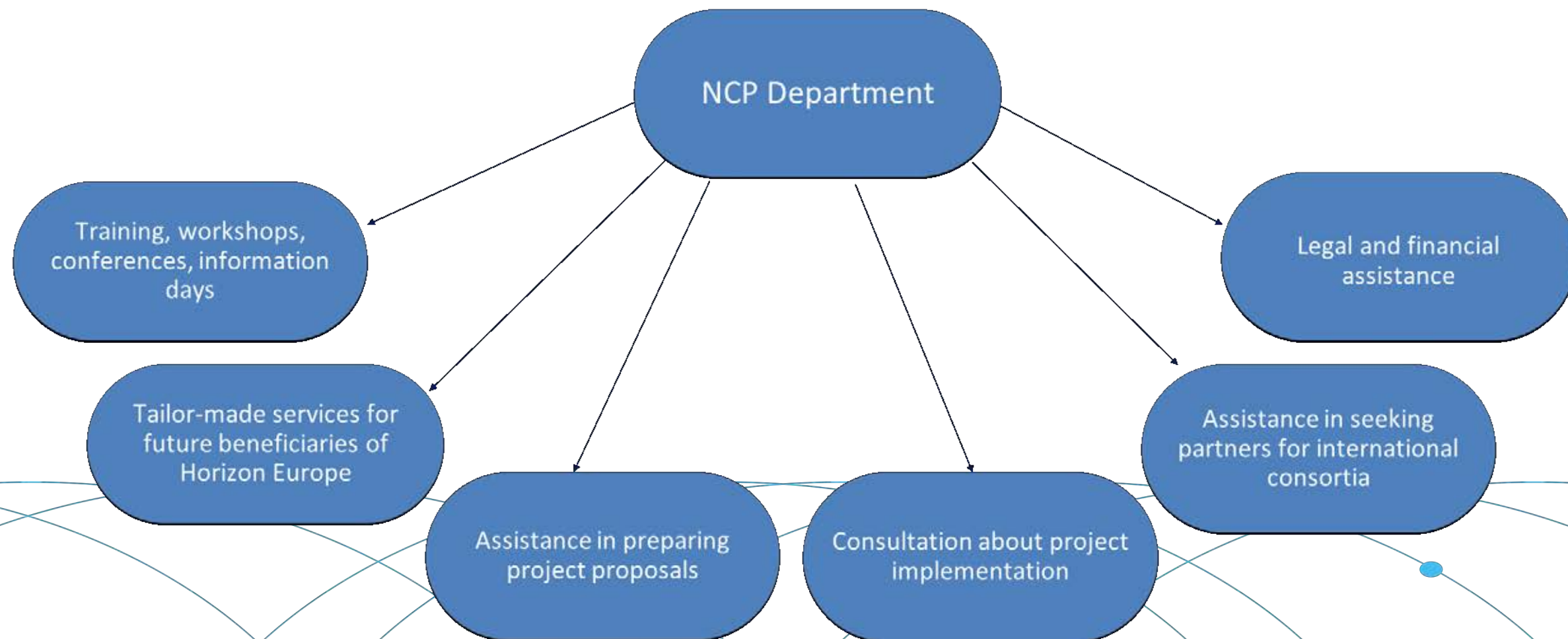
(according to the Minimum standards and Guiding principles for setting up systems of National Contact Points (NCP systems) under Horizon Europe)

are ***support structures*** that have become an essential component in the implementation of successive Framework Programmes.

They provide ***information*** and on-the-ground ***advice*** to potential applicants and beneficiaries, ***through the project life cycle, in their own language, in a manner*** that would be impossible for the Commission and its Agencies acting alone.

- Since November 2020, in the structures of NCBR
- NCP Department - team of **50 experts**
- Supporting the participation of Polish research organisations, enterprises and other entities in the Horizon Europe FP (*Minimum standards and Guiding Principles for setting up NCP systems under Horizon Europe*)
- Cooperating with European Commission, other EU institutions, MS and AS, Polish governmental partners, potential and actual beneficiaries of EU Framework Programmes for Research and Innovation
- Being the core of the PL support system
- Developing synergies and co-designing R&I national funding system for the forthcoming years

What is an NCP offer?



6 Horizontal Contact Points coordinated & financed by NCP Department in NCBR

- **Northern Poland (Gdańsk):** pomorskie, kujawsko-pomorskie, warmińsko-mazurskie voivodships
- **Western Poland (Poznań):** wielkopolskie, lubuskie, zachodniopomorskie voivodships
- **Southwestern Poland (Gliwice):** opolskie, śląskie, dolnośląskie voivodships
- **Southeastern Poland (Kraków):** małopolskie, podkarpackie, świętokrzyskie voivodships
- **Eastern Poland (Lublin):** lubelskie, podlaskie voivodships
- **Central Poland (Łódź):** łódzkie, mazowieckie voivodships (without the city of Warsaw)



NCP and EC Support for Project Consortia

NCP_WIDERA.NET Project Case



Advancing Europe Package Support

Target groups: Project Partners from Widening countries and Outermost Regions.

Scope of services:

- ☐ **Pre-screening services** - the service in regard to proposals pre-screening delivered by NCPs and/or external experts.
- ☐ **Services supporting pre-screening** – services will include organisation of 3 workshops on proposal preparation and 1 Info Day per country, and set of materials in national languages.
- ☐ Organization of **matchmaking and study visits** for potential applicants and science managers.

Matchmaking – includes financing of travels and logistics of applicants to Pillar II clusters Brokerage Events and study visits for applicants and science managers.

Financial Support to Third Parties (FST)

Target groups: NCPs hosting organisations (with WIDERA NCPs in house) from Widening countries and Outermost Regions, not being partners of the project consortium ie.: BA, GE, FR, MA, ME, RO, UA, XK.

Mode: open and transparent call implemented according to ERA Guideliness. Applications will be evaluated by selection committee established by Coordinator and consisting of experienced project members. Financial support will be offered in a form of lump sum.

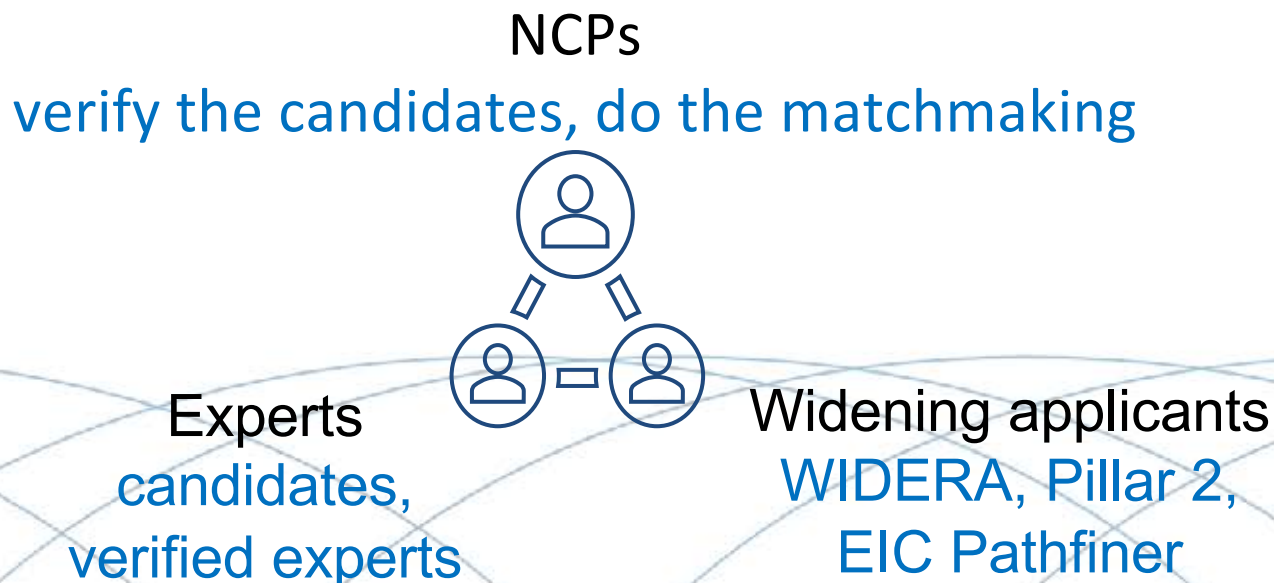
Scope of services: the same as indicated in AEP. NCP hosting organisation that is not a project partner may decide on the activities that they want to be financed by FST.

Contract and reporting: beneficiaries will sign a contract with Project Coordinator and report their activities to the Management Committee every 12-month, therefore the financial support will be divided into three tranches.

Expert Database

Expert Database - IT platform that will support NCPs in matchmaking between external experts and WIDERA, Pillar 2, and EIC Pathfinder proposals prepared by coordinators and Work Package Leaders from Widening countries (that are willing to use the pre-screening service offered by our project).

Purpose: to improve quality of the Widening proposals → increase participation of Widening countries in HE → reduce the R&I gap across EU



**Thank you for your
attention!**

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Contact Point Department
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WIDERA NCP Project

Adam Weglowski
WIDENING NCP in Poland
NCBR



Twinning Calls

Aurelija Povilaike
WIDENING NCP in Lithuania
Estonian Research Council



Lietuvos
mokslo
taryba



Research Council of Lithuania

WIDERA: Twinning

Aurelija Povilaikė, NCP Coordinator, WIDERA NCP
aurelija.povilaike@imt.lt



2014-2020 Operational
Programme for the
European Union Funds
Investments in Lithuania



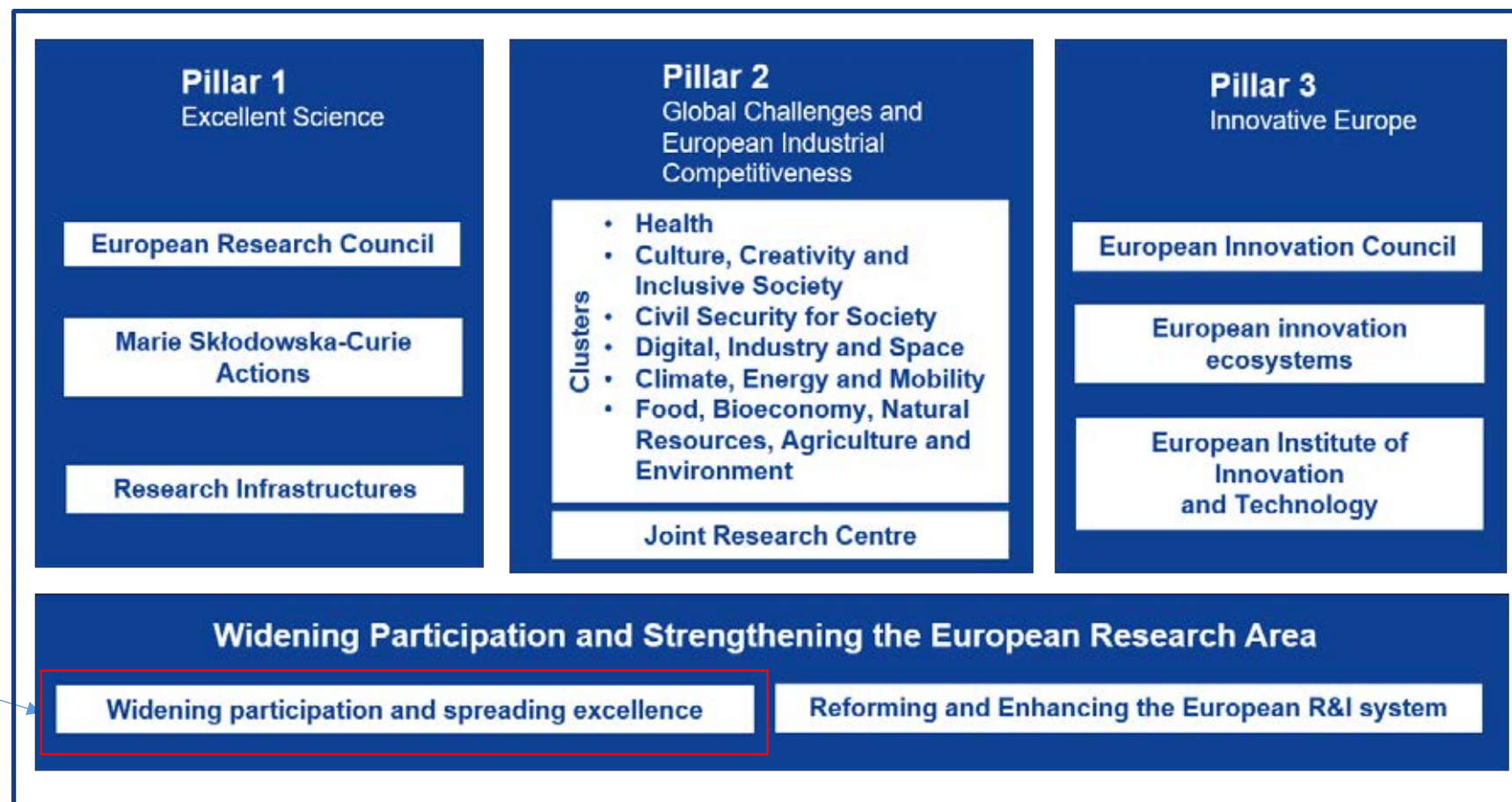
[LinkedIn](#)
[@povilaike](#)



Research
Council of
Lithuania



Coordinators can only be
from Widening countries
EU13+ and associated
countries



2014-2020 Operational
Programme for the
European Union Funds
Investments in Lithuania

Work programme [2023-2024](#)



Research
Council of
Lithuania



Financial Instruments



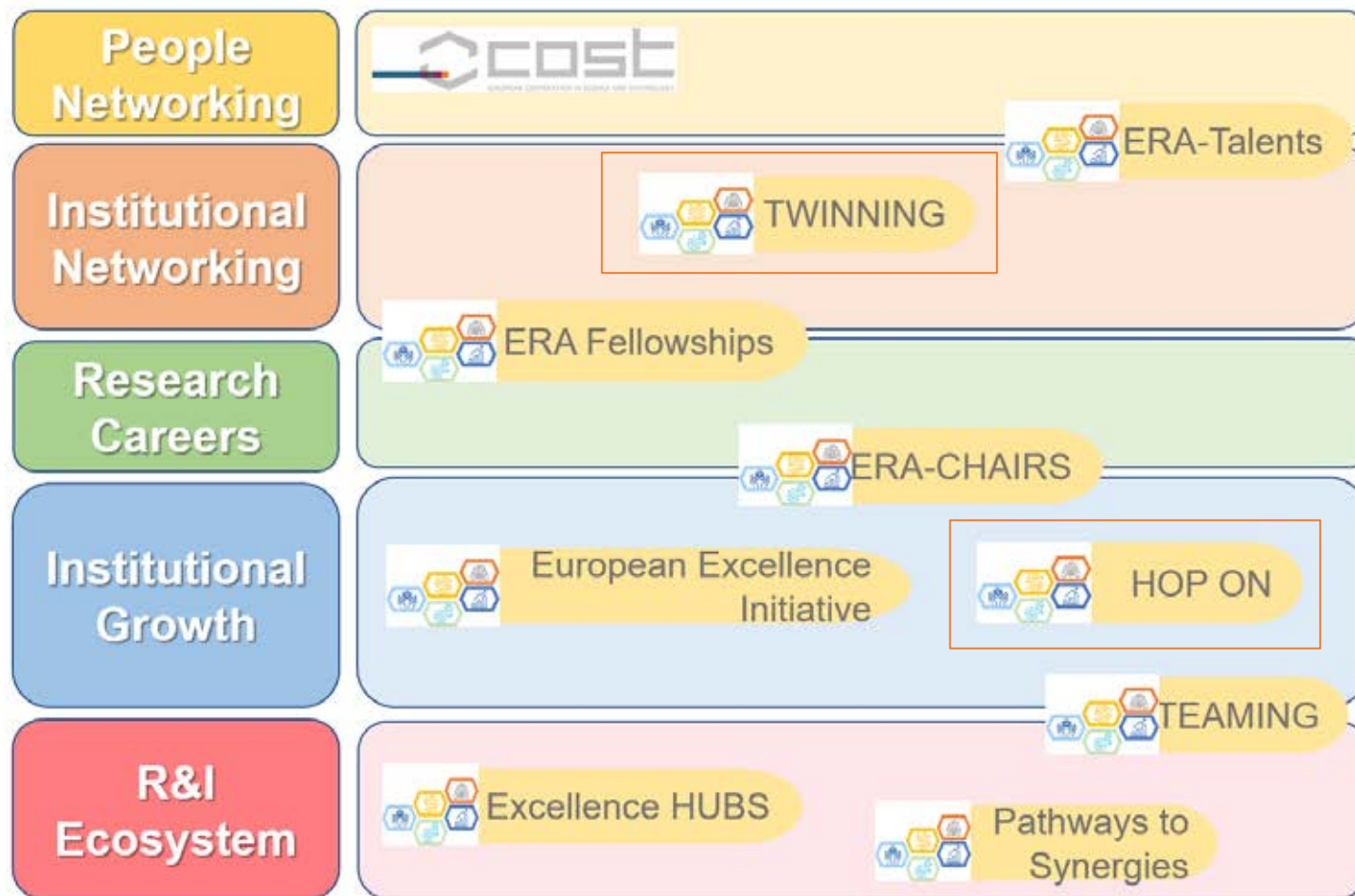
2014-2020 Operational
Programme for the
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Research
Council of
Lithuania



Financial Instruments



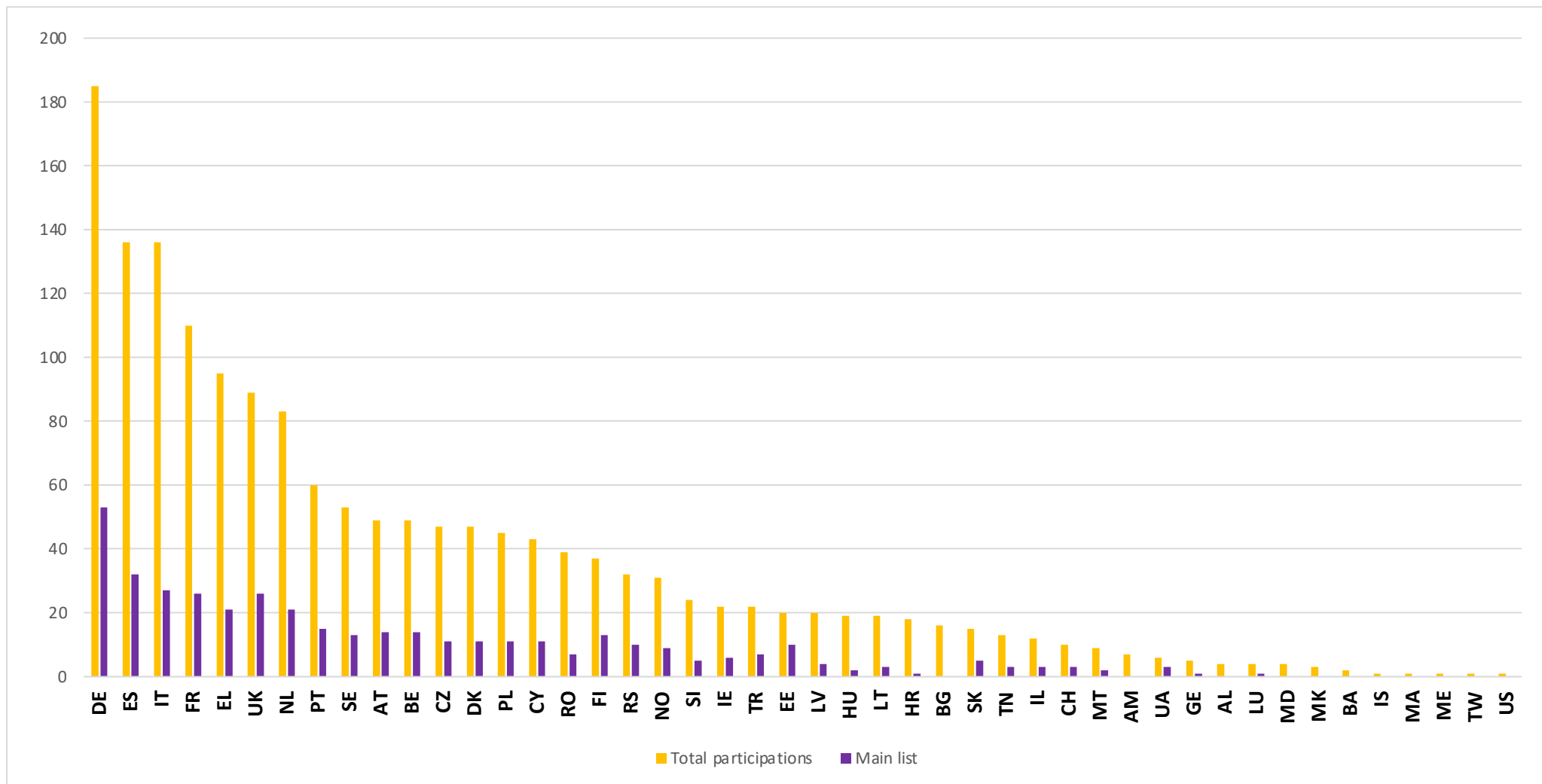
2014-2020 Operational
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Research
Council of
Lithuania



HORIZON-WIDERA-2021-ACCESS-03-01 (Twinning)



2014-2020 Operational
Programme for the
European Union Funds
Investments in Lithuania

Total number of eligible proposals: **388**
Total number of retained: **103**



European
Commission



Research
Council of
Lithuania



Policy objective

Policy objective: strengthen a defined field of research in a university or research organisation by linking it with at **least two leading research institutions** in other Member States or Associated Countries in the chosen scientific domain.



2014-2020 Operational
Programme for the
European Union Funds
Investments in Lithuania



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Council of
Lithuania



TWINNING

How:

- CSA grant (up to 3 years and 1,5 million €) involving the coordinator established in an eligible country
- **NEW!** Lump Sum financial model
- comprehensive scientific strategy for stepping up and stimulating scientific excellence and innovation capacity in a **defined area of research**,
- clear outline of the scientific quality of the partners involved,
- dedicated work package or task **focused on strengthening the research management** and administration skills of the coordinating institution (both academic and professional staff),
- more integrated policy approach and enhanced synergies with regional policy, transnational missions and gender issue,
- research, consumables and small equipment costs become eligible **up to 30%** of the total budget **for R&I pilot projects**.

Scale of operation: Set of activities include some of the following: short-term staff exchanges; expert visits and short term on-site or virtual training; workshops; conference attendance; organisation of joint summer school type activities; dissemination and outreach activities.



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Programme for the
European Union Funds
Investments in Lithuania

HORIZON-WIDERA-2023-ACCESS-02

HORIZON-WIDERA-2023-ACCESS-02-01: Twinning - Bottom up

Twinning aims to enhance networking activities between the research institutions of the Widening countries and top-class leading counterparts at EU level

Expected outcomes

- Improved excellence capacity and resources in Widening countries enabling to close the still apparent research and innovation gap within Europe.
- Enhanced strategic networking activities between the research institutions of the Widening countries and at least two internationally-leading counterparts at EU level.
- Raised reputation, research profile and attractiveness of the coordinating institution from the Widening country and the research profile of its staff.
- Strengthened research management capacities and administrative skills of the staff working in institutions from the Widening country.
- Improved creativity supported by development of new approaches in R&I collaboration, increased mobility (inwards and outwards) of qualified scientists.

Call Opening: 25 Apr 2023

Call Closure: 28 Sep 2023

ERA Policy Agenda action no: 16

Type of Action: CSA

HORIZON-WIDERA-2023-ACCESS-02

HORIZON-WIDERA-2023-ACCESS-02-02: Twinning - Green Deal

Twinning Green Deal adds in directionality to the general twinning action. All the conditions remain the same except for the choice of the research topic. The latter will have to be in line with the European Green Deal strategy actions

Expected outcomes

- Improved excellence capacity and resources in Widening countries enabling to close the still apparent research and innovation gap within Europe;
- Enhanced strategic networking activities between the research institutions of the Widening countries and at least two internationally-leading counterparts at EU level;
- Raised reputation, research profile and attractiveness of the coordinating institution from the Widening country and the research profile of its staff;
- Strengthened research management capacities and administrative skills of the staff working in institutions from the Widening country;
- Improved creativity supported by development of new approaches in R&I collaboration, increased mobility (inwards and outwards) of qualified scientists.

Call Opening: 25 Apr 2023

Call Closure: 28 Sep 2023

ERA Policy Agenda action no: 16

Type of Action: CSA



Evaluation criteria

Excellence

- Clarity and pertinence of the project's objectives
- Quality of the proposed coordination and/or support measures including soundness of methodology.

Impact

- Credibility of the pathways to achieve the expected outcomes and impacts specified in the work programme, and the likely scale and significance of the contributions due to the project
- Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities.

Quality and efficiency of the implementation

- Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall
- Capacity and role of each participant, and the extent to which the consortium as a whole brings together the necessary expertise.



Lietuvos
mokslo
taryba



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Q&A



Case Study from Poland

Jan Osiński
International Cooperation Department
NCBR

Sano – Methods in computational Diagnostics and Personalized Therapy Teaming for Excellence

Jan Osiński, senior operation specialist,
NCBR

jan.osinski@ncbr.gov.pl

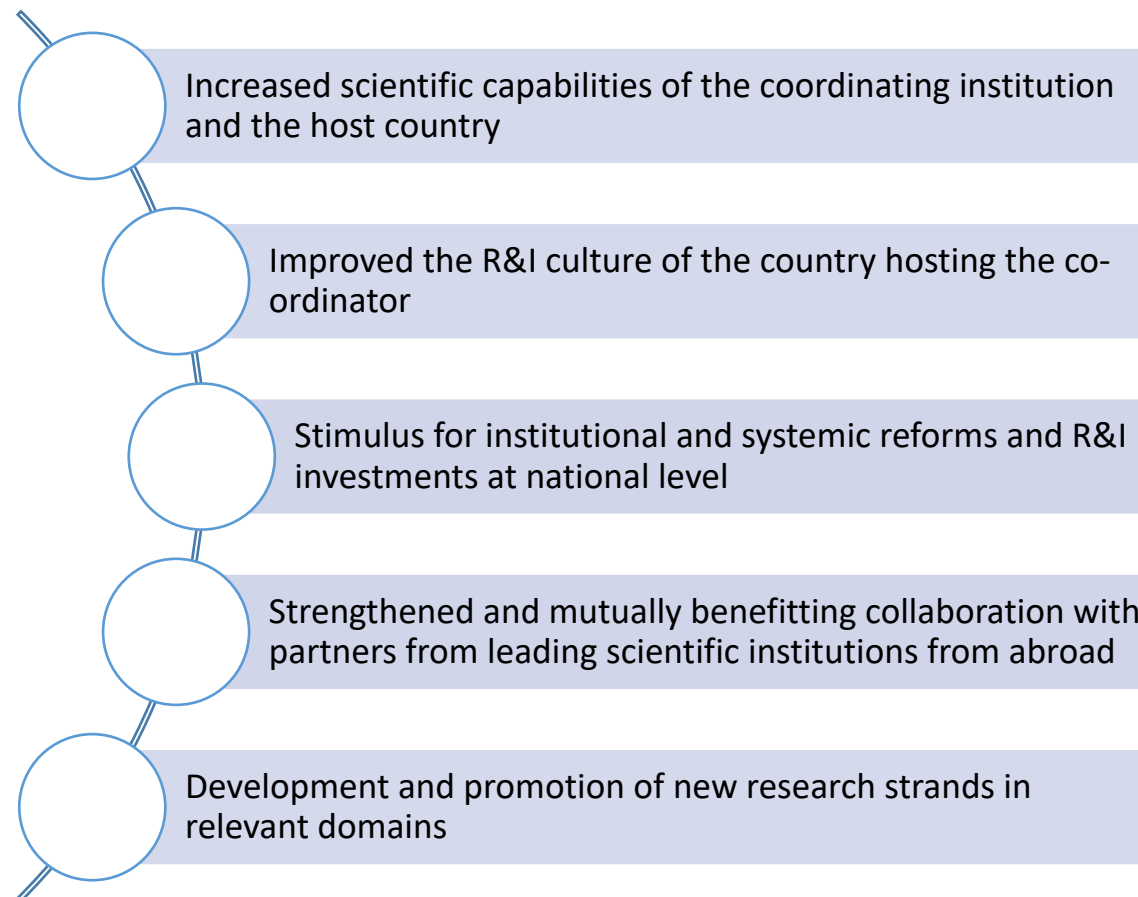
18 April, 2023



Teaming for Excellence



Creation of new centers of excellence or upgrading the existing ones in widening countries, with the support of the Partners of Excellence





Teaming Partners:



Sano is a new non profit research institute dedicated to the advancement of computational medicine, developing sophisticated computer methods for the prevention, diagnosis and treatment of disease, to meet the overarching worldwide need for efficient, effective and streamlined healthcare.





Sano Centre's core activities



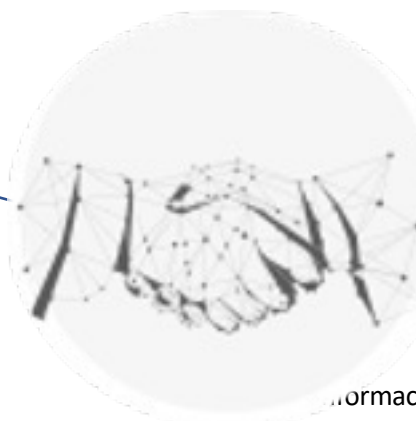
Commercialization

Introducing novel diagnostic methods and therapies based on computer simulations into clinical practice

R&D
Developing new methods computing, algorithms, models and technologies for personalized medicine



Education
Contribution to innovative training programs & education that meet the needs of modern personalized medicine

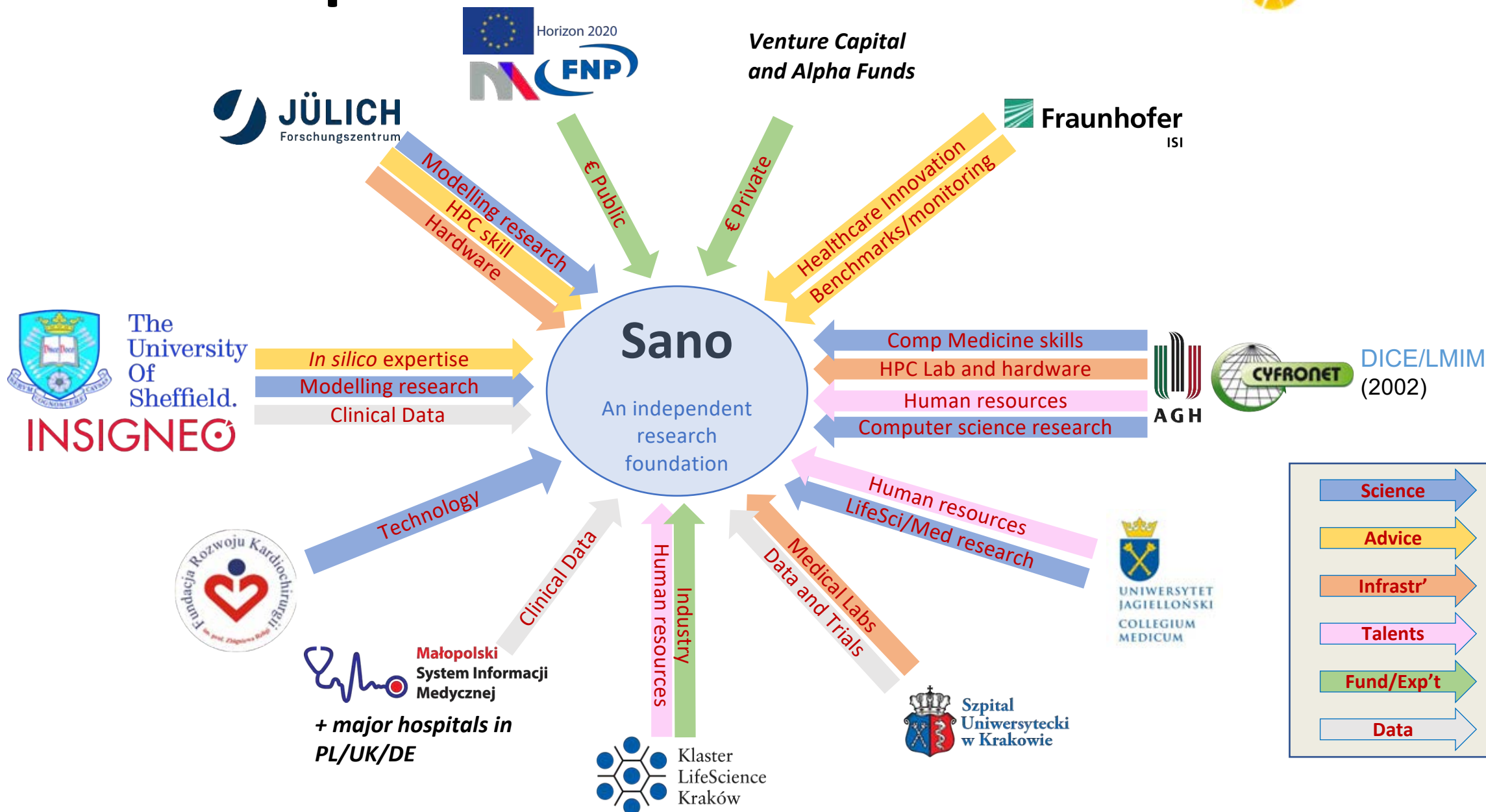


Industrial collaboration
Supporting enterprise development along with creation of new diagnostic and therapeutic technologies (DSS)





Partnership





Research Teams



Computer Vision Data Science

Health Informatics and VR

Personal Health Data Science



Extreme-scale Data
Science and Computing

Clinical Data Science

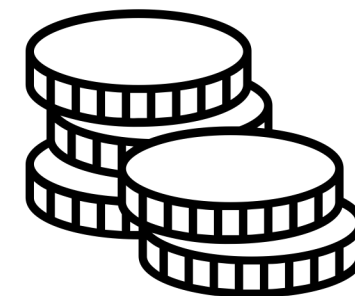
Scientific Programming Team



Funding



- H2020-WIDESPREAD-2016-2017 TEAMING PHASE 2 programme (grant 857533) (15 M €)
- International Research Agendas Programme (IRAP) of the Foundation for Polish Science, co-funded by the EU in the scope of the European Regional Development Fund (10 M €) Strategic Partner: University of Sheffield
Applicants: Marco Viceconti, University of Bologna (ISC Chair), Marian Bubak, AGH University of Science and Technology (Scientific Affairs Director)
Director of Sano and IRAP Part 2 Manager: Arkadiusz Sitek
- Polish Ministry of Science and Higher Education (after 2023, 5 M €)





Board, Council and Committee



- **Management Board** conducts the daily operations of the Foundation

Name	Role
Prof. Maciej Malawski	Director, President of the Management Board
Dr Marian Bubak	Director for Scientific Affairs, Member of the Management Board
Tomasz Gubała	Executive Director

- **Foundation Council** supervises Sano and appoints Management Board members

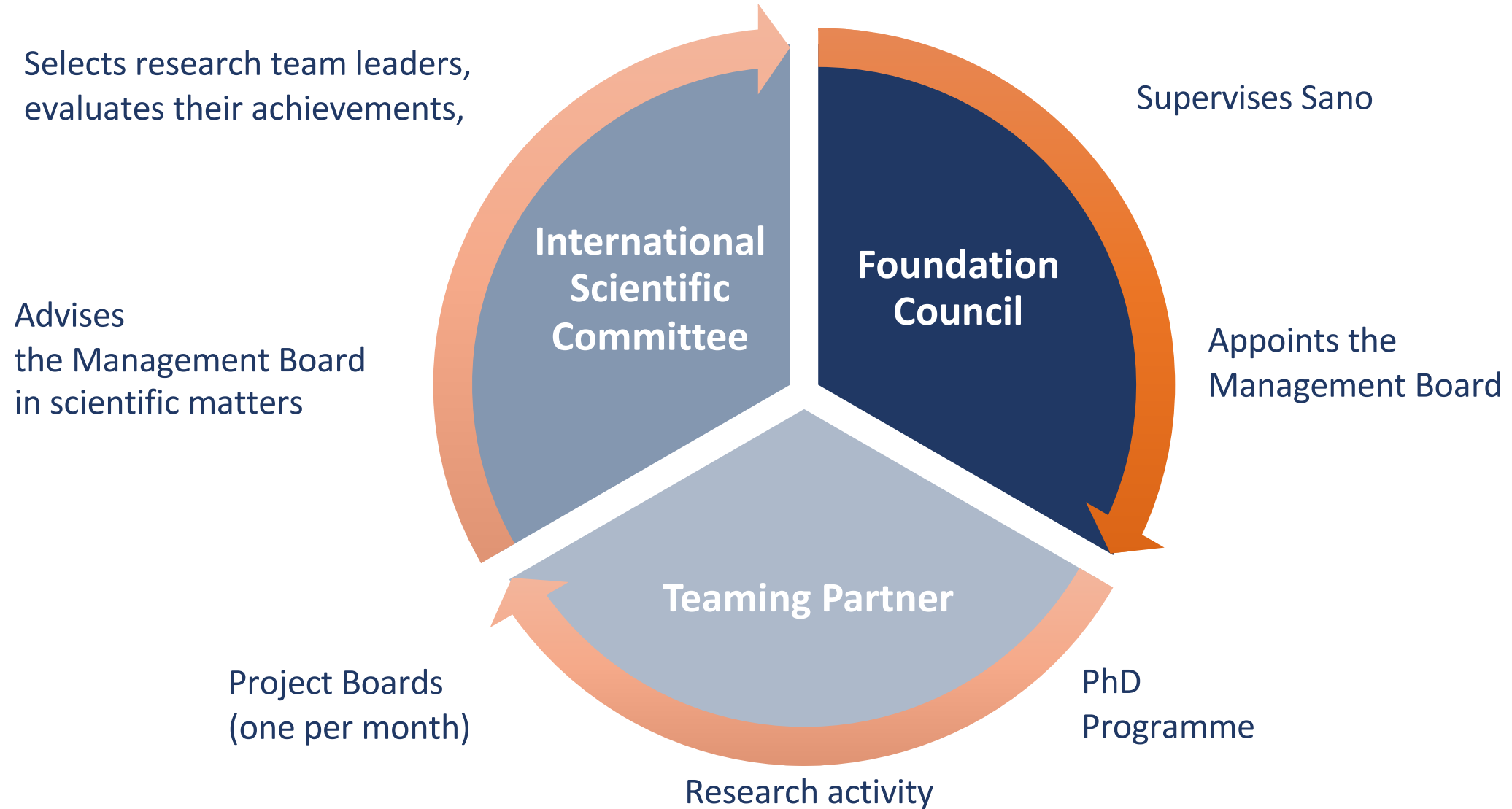
Name	Affiliation
Karol Krawentek	ACC Cyfronet AGH, PL
Dr Tanja Bratan	Fraunhofer Institute ISI, DE
Dr Andrew Narracott	University of Sheffield, UK
Dr Olav Zimmermann	Forschungszentrum Jülich, DE
Kazimierz Murzyn President	Klaster LifeScience Kraków, PL

- **International Scientific Committee** selects research team leaders, evaluates their achievements, and advises the Management Board in scientific matters

Name	Affiliation
Prof. Marco Viceconti, President	Università di Bologna, IT
Prof. Rod Hose	Emeritus Professor in the Department of Infection, Immunity and Cardiovascular Disease, University of Sheffield, UK
Prof. Richard Clayton	University of Sheffield, UK
Prof. Marek Behr	Aachen University, DE
Prof. Holger Gohlke	Heinrich Heine University Düsseldorf, DE
Prof. Dieter Kranzlmüller	Ludwig-Maximilian University Munich, DE
Prof. Zbigniew Nawrat	Silesian Center for Heart Diseases in Zabrze, PL
Prof. Irena Roterman-Konieczna	Jagiellonian University Medical College, PL
Prof. Jerzy Gąsowski	Jagiellonian University Medical College, PL
Prof. Knut Koschätzky	Fraunhofer Institute ISI, DE
Dr Claire Chalopin	University of Leipzig, DE
Dr Stefan Zachow	Zuse Institute Berlin, DE
Prof. Ewa Deelman	University of Southern California, USA
Prof. Peter Sloot	University of Amsterdam, NL
Prof. Jacek Kitowski	AGH University of Science and Technology, PL



Role of the University of Sheffield



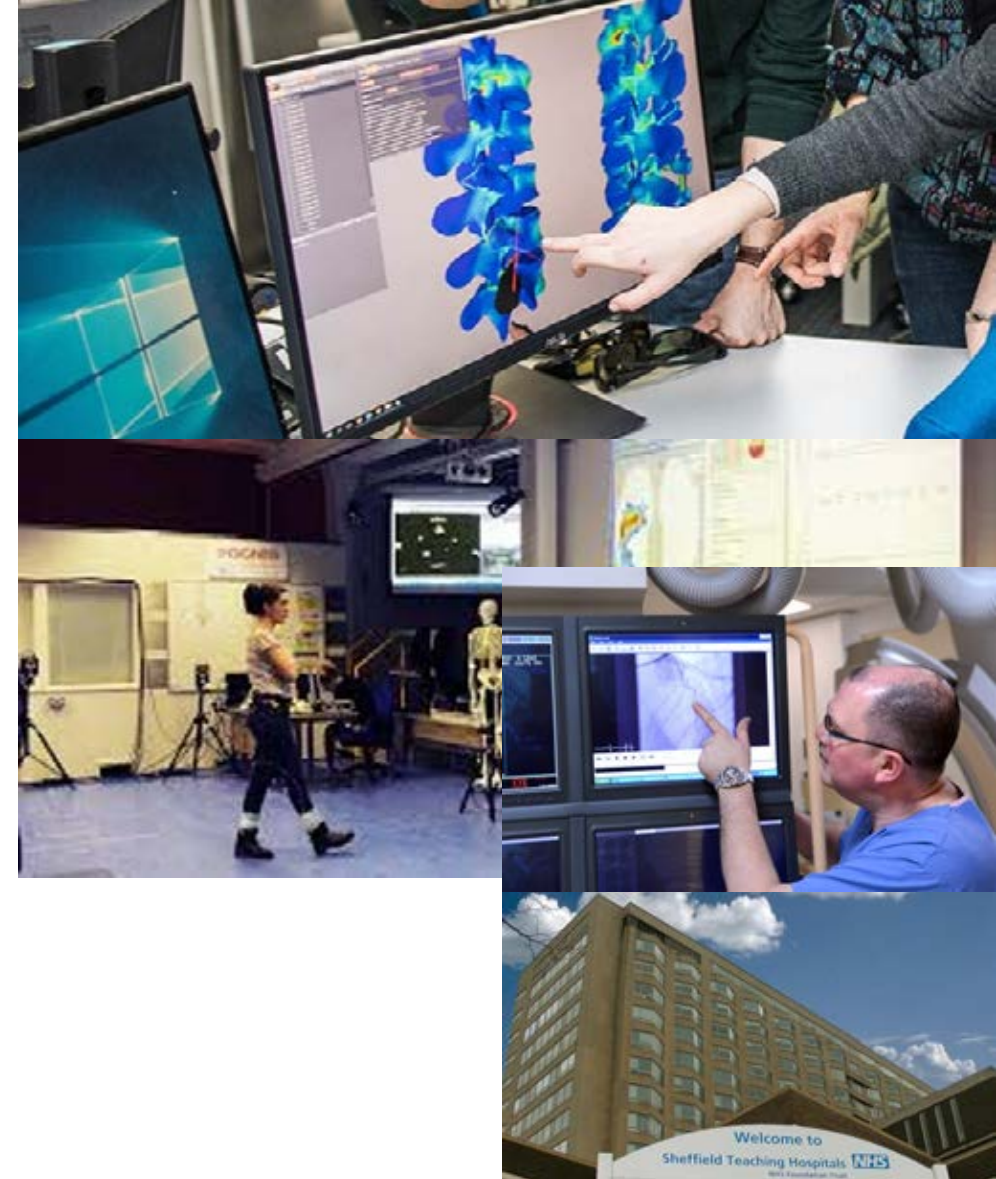


Sano-Sheffield PhD training



Development of the programme

- Scope developed by Sano and the University of Sheffield
- Online on demand + intensive synchronous training
- Remote delivery in September 2021, in-person delivery in Sheffield in September 2022
- Broad expertise : 13 academic staff + research software engineers
- Sano PhDs from various domains :
 - Healthcare Informatics,
 - Computer Vision,
 - Personal and Clinical Data Science,
 - Modelling & Simulation,
 - Extreme Scale Computing
- Interaction with Insigneo staff, Sheffield Teaching Hospitals & students
- HPC training : Cooperation with Cyfronet (PL)
- Cohort building : present project work & share experiences





Further information



- WWW:
- Open Sano Seminars:
 - Invited and Sano scientists
 - Past seminars are on our YouTube channel:
 - https://www.youtube.com/channel/UCDZ_8TcjMWUG2ZcgKKgfpwQ
- Social media:
 - <https://pl.linkedin.com/company/sanoscience>
 - <https://twitter.com/sanoscience>
 - <https://www.facebook.com/sano.science>



Centre for Computational
Medicine

www.sano.science

Jan Osiński

National Centre for Research and Development

jan.osinski@ncbr.gov.pl

Marian Bubak

Scientific Affairs Director

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European
Funds
Smart Growth



Republic
of Poland



Foundation for
Polish Science

European Union
European Regional
Development Fund





Case Study from Estonia

Kristin Kraav
Estonian Research Council

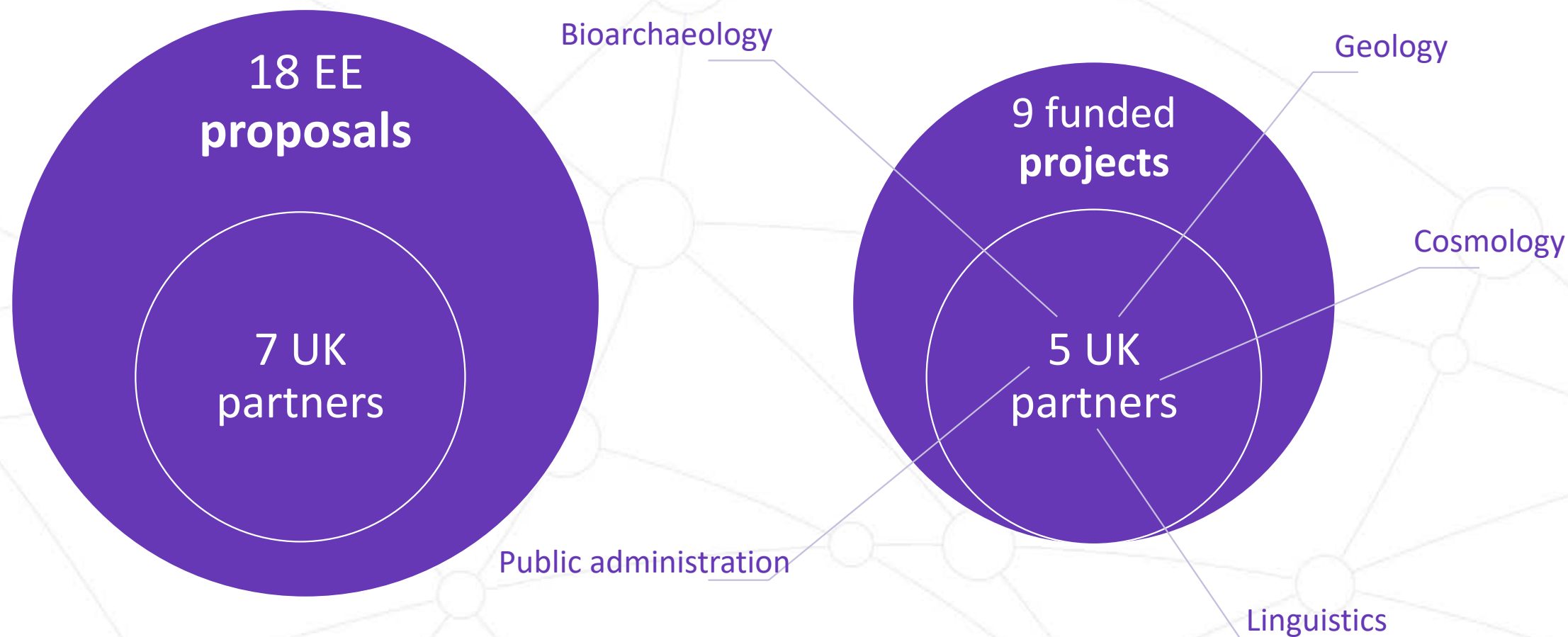
Twinning case study: EE-UK

Kristin Kraav, NCP for Widening

kristin.kraav@etag.ee

www.etag.ee

Twinning case study: EE-UK



EXOHOST: Building Excellence in Spectral Characterisation of Exoplanet Hosts and Other Stars

Twinning between the University of Tartu (coordinator, EE), Uppsala University (SE), Austrian Academy of Sciences (AT), and University College London (UK)

Project website:
<https://kosmos.ut.ee/en/exoplanets-and-stars>

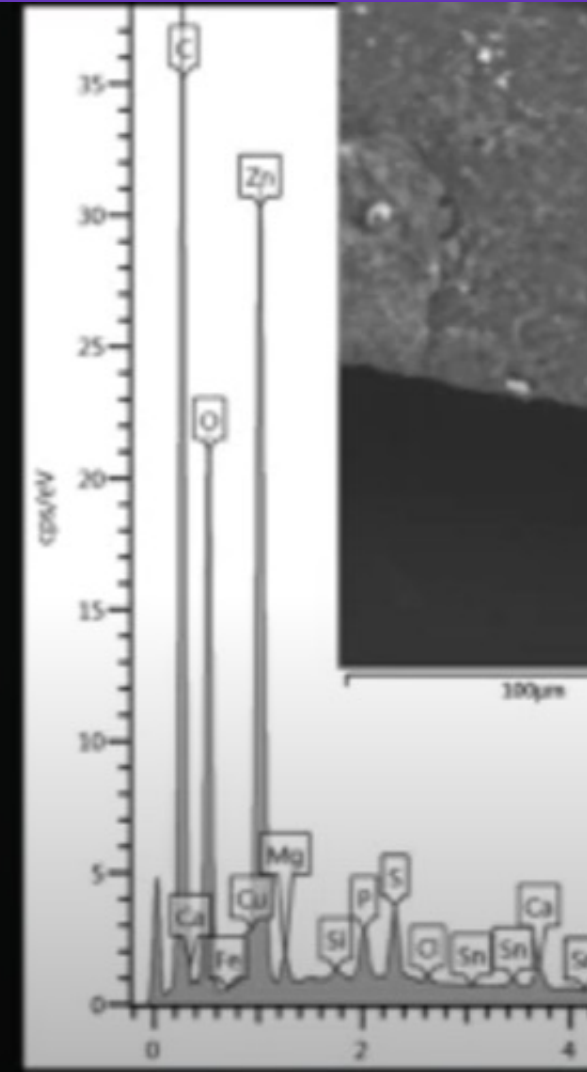
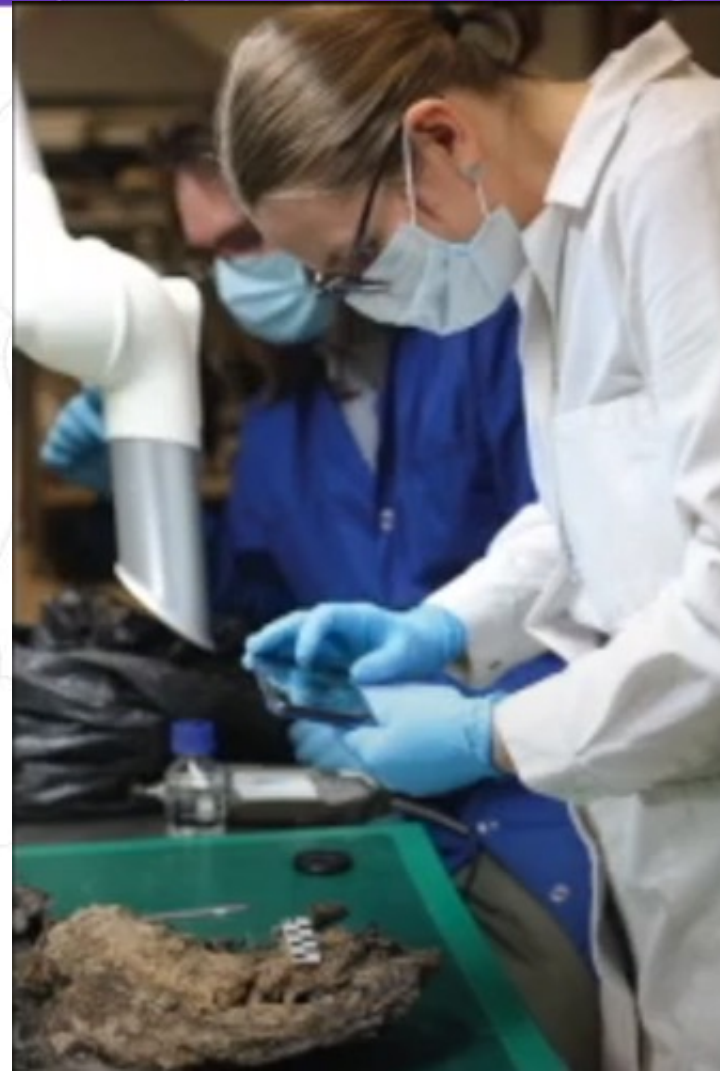
CORDIS:
<https://cordis.europa.eu/project/id/101079231>

The count of confirmed exoplanets in our galaxy has surpassed 5 000. Astronomers use indirect techniques to determine the composition of rocky exoplanets, which can reveal much about the physical conditions on these worlds. However, less attention has been devoted to characterising the stars that host these planets – this is the focus of the EXOHOST project.



PaleoMIX: Nurturing Heritage Science with Novel Bioarchaeological Methods

- Twinning between the [University of Tartu](#) (coordinator, EE), [Copenhagen University](#) (DK), [Burgos University](#) (ES), and [University of York](#) (UK)
- Project website:
<https://www.etis.ee/Portal/Projects/Display/7961358d-b99c-4a24-9eb9-a31800241f83>
- CORDIS:
<https://cordis.europa.eu/project/id/101079396>
- The PaleoMIX project will integrate cutting-edge techniques into bioarchaeology and computational sciences for more sustainable study of tangible heritage. Outcomes will be demonstrated with an in-depth study of the transition to agriculture from hunting and gathering.



More EE-UK Twinning projects

- Horizon Europe:

- MEDAL
<https://cordis.europa.eu/project/id/101079429>
- PADST
<https://cordis.europa.eu/project/id/101079227>
- EGT-Twinn
<https://cordis.europa.eu/project/id/101079459>

- Horizon 2020:

- MIRNET
- YouthLife
- TalTech Industrial
- CETM
- SEARMET
- UPTAKE
- WIDENLIFE



Q&A

BREAK



Option of watching UKRI video on experiences from Horizon 2020 and Horizon Europe UK grantees

https://www.youtube.com/watch?v=gdxHQ_7VRFg&list=PLkjB0VcEI5P_zFLV2oKywwXzZ4Vz2I8Zu



Support from UK Science and Innovation Network

James Mclaughlin
SIN Network

Running order for pitches

Organisation	Presenter
Institute for Sustainable Technologies	Marta Żurek-Mortka
The Medical University of Lodz	Mateusz Dworak
Polish Academy of Science - Brussels Delegation	Tomasz Poprawka
Lab4Us	Marcin Lewandowski

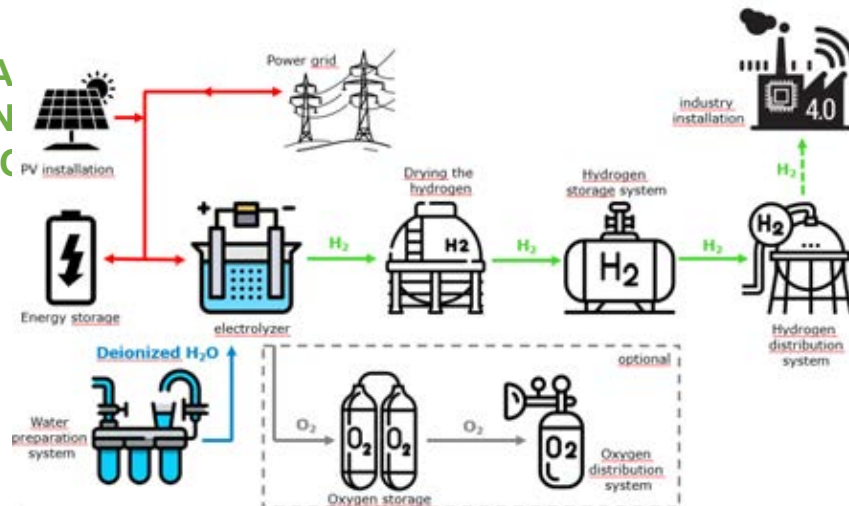


HORIZON-WIDERA-2023-ACCESS-02-02 Twinning Green Deal

Proposed Approach & Experience

DEVELOPMENT AND IMPLEMENTATION OF HYDROGEN TECHNOLOGIES IN ERA OF ENERGY TRANSFORMATION

Experience: ongoing project (2022-2025) - System for water closing in the hydrogen installation



Partners

Research organizations (institutes, universities) carried out research on hydrogen technologies

SME, big companies (manufacturers) from hydrogen area

Organisational Capabilities

SKILLS & CAPABILITIES, e.i., design and simulation research of complex systems, e.g. hydrogen production from renewable energy sources, hydrogen storage and distribution, and energy conversion, 7-person team, experience in mechanical and electrical engineering, advanced control systems

FACILITIES, e.i., programming engineering and microprocessor technology tools, surface mount laboratory, set of devices for measuring high-power waveforms, Matlab/Simulink, SCADA and HMI software tools, EMC laboratory (Accreditation No. AB 1476).

Administrative Information

Marta Żurek-Mortka, Ph.D.

Senior Specialist, Department of Control Systems

Email: marta.zurek-

mortka@itee.lukasiewicz.gov.pl,

phone: +48 511 624 547, +48 48 364 92 91,

Łukasiewicz Research Network – Institute for Sustainable Technologies, Radom, Poland

PIC 949074191

RESEARCH INSTITUTE

ROLE: Coordinator/Partner



Proposed Approach & Experience

Our proposal is to create the Compass Transformer programme, a **European business acceleration programme focused on deep tech healthcare innovation** and supported by the scientific potential of HEIs (Higher Education Institutions).

We will customize the mechanics used by the successful MediHUB Acceleration Programme, **incorporating the best practices of all partners and engaging our alumni to mentor the startups**. The program will aim to create a **lively and cooperative networking ecosystem to increase the number and impact of startups**.

Our team has extensive experience in entrepreneurship, innovation, and acceleration programmes. The Medical University of Lodz has successfully implemented the MediHUB programme, and our partners have also developed their own successful initiatives. We are confident that we can bring our experience and expertise together to create an effective and sustainable programme that will benefit the entire ecosystem of innovation.

Organizational Capabilities

As the coordinator of the project, the Medical University of Lodz has extensive experience in implementing successful acceleration programmes. We have a team of experienced professionals who will provide support in project management, administration, and mentoring. We also have a strong network of alumni who are willing to mentor the startups.

Partners

We are looking for partners who share our vision and are willing **to contribute their expertise** and resources to the project.

We are particularly interested in partners who have experience in **deep tech innovation**, business acceleration, and mentoring startups.

We are also looking for partners who have connections with **investors, large companies, and government entities**.

Administrative Information

The Medical University of Lodz is an academic organization that has experience in implementing successful acceleration programmes. We are planning to be the coordinator of the Compass Transformer programme.

mateusz.dworak@umed.lodz.pl

+48 887 720 048

Łódź, Poland

Twinning & ERA Talents, Excellence Hubs, Hop-On

Proposed Approach & Experience

Fully bottom-up approach with the culture of the academic freedom

Key areas for cooperation

- Social Sciences & Humanities
- Physical & Earth Sciences
- Engineering Sciences
- Biological & Agricultural Sciences
- Medical Sciences



Top collaborations:

- University of Cambridge
- University of Birmingham
- University of Liverpool
- University of Oxford
- University of Edinburgh

Already strong R&I ties with UK >>>>>

Partners



Key features of UK/PL-PAN cooperation

- UK is the 5th strongest partner for PL
- UK/PL: +1000 GAs & +1500 participations
- UK/PAN: + 180 GAs > 18% in PL & 60% in PAN
- 55% of Net EU contribution at PAN linked to Cooperation with UK



Organisational Capabilities

Polish Academy of Sciences (*Polska Akademia Nauk – PAN*)

- the strongest beneficiary of H2020 in Poland @ above 100 mln EUR
- 68 research institutes grouped across 5 domains
- + International Institute of Molecular & Cell Biology (IIMCB)
- + 5 *Dioscouri* CoE in partnership with Max Planck Gesellschaft
- 9500 employees, incl. +/- 4300 research staff
- 23 PhD Schools organised within PAN structures
- 2 polar stations, botanical garden, archives and libraries
- [PolSCA](#) is Brussels-based liaison office for the umbrella of the Academy

Administrative Information

Polish Science Contact Agency – PolSCA of the Polish Academy of Sciences in Brussels

We aim to facilitate **networking**, build new **relationships** and support existing **collaborations** between researchers & host organisations across network of PAN in Poland and various international partners.

Dr. Tomasz Poprawka

tomasz.poprawka@polsca.pan.pl



Topic A: The Twinning Bottom-Up (HORIZON-WIDERA 2023-ACCESS 02-01)



us4us[®]

Proposed Approach & Experience

We are seeing rapid development in the field of ultrasound, both for medicine and industry. Yet, there exists no leading centre in Poland which combines work on ultrasound R&D, implementation, and education.

LAB4US goals:

- to popularise ultrasound R&D and applications;
- to educate young and aspiring researchers and engineers;
- to boost international cooperation between facilities and industry;
- to create an innovation-friendly environment.

Our experience:

- Running courses, lessons and workshops in collaboration with universities, research institutes, and international conferences (e.g. at the IEEE International Ultrasonic Symposium).
- Student internships and hosting PhD students.
- Strong collaboration with business and academic partners from around the world.

Partners

We are interested in collaborating with:

- Universities.
- Research institutes, NGOs, and business partners with a strong education focus.

Organisational Capabilities

At us4us, we specialise in:

- Development of programmable ultrasound research platforms and OEM ultrasound solutions.
- R&D in the field of new ultrasound methods and systems.
- Working with academia, research facilities, start-ups, and commercial partners.

We can offer:

- electronic and ultrasound lab facilities + use of our pioneer ultrasound research devices;
- mentoring and technical support for students and PhD students;
- name recognition in the ultrasound community;
- close relationship and option of collaboration with the Institute of Fundamental Technological Research Polish Academy of Sciences (our local academic partner).

Administrative Information

Marcin Lewandowski,
CEO at us4us Ltd. (a Poland-based SME)

email: marcin@us4us.eu

tel. +48 501 508 731

EU PIC: 904959464

Preferred role: Partner



Breakout Rooms

- Pitch presenters (Name of Organisation)
- Thematic Rooms hosted by the NCPs
 - UK situation - (Jon)
 - Teaming, Pathways to Synergies, ERA Chairs - (Karina)
 - Twinning, ERA Talent- (Aurelija)
- Science & Innovation Network (SIN)
 - Poland & Estonia (Migle & Gozia)
- Networking breakout rooms
 - 2 extra Networking rooms
- *"Plenary Room"*



InnovateUK
KTN

How does it work?



- About 45 minutes for Breakout room discussions.
- You select which breakout room you'd like to join (apart from the pitch presenters that are assigned to a room)
- You can move around and go to more than one breakout room.
- Opportunity for networking and engaging in new collaborations.
- If you drop out, you can join the webinar again in the main room and we can help you join breakout rooms of interest to you.

PLEASE NOTE: BREAKOUT ROOMS ARE NOT BEING RECORDED.

How to JOIN a breakout room

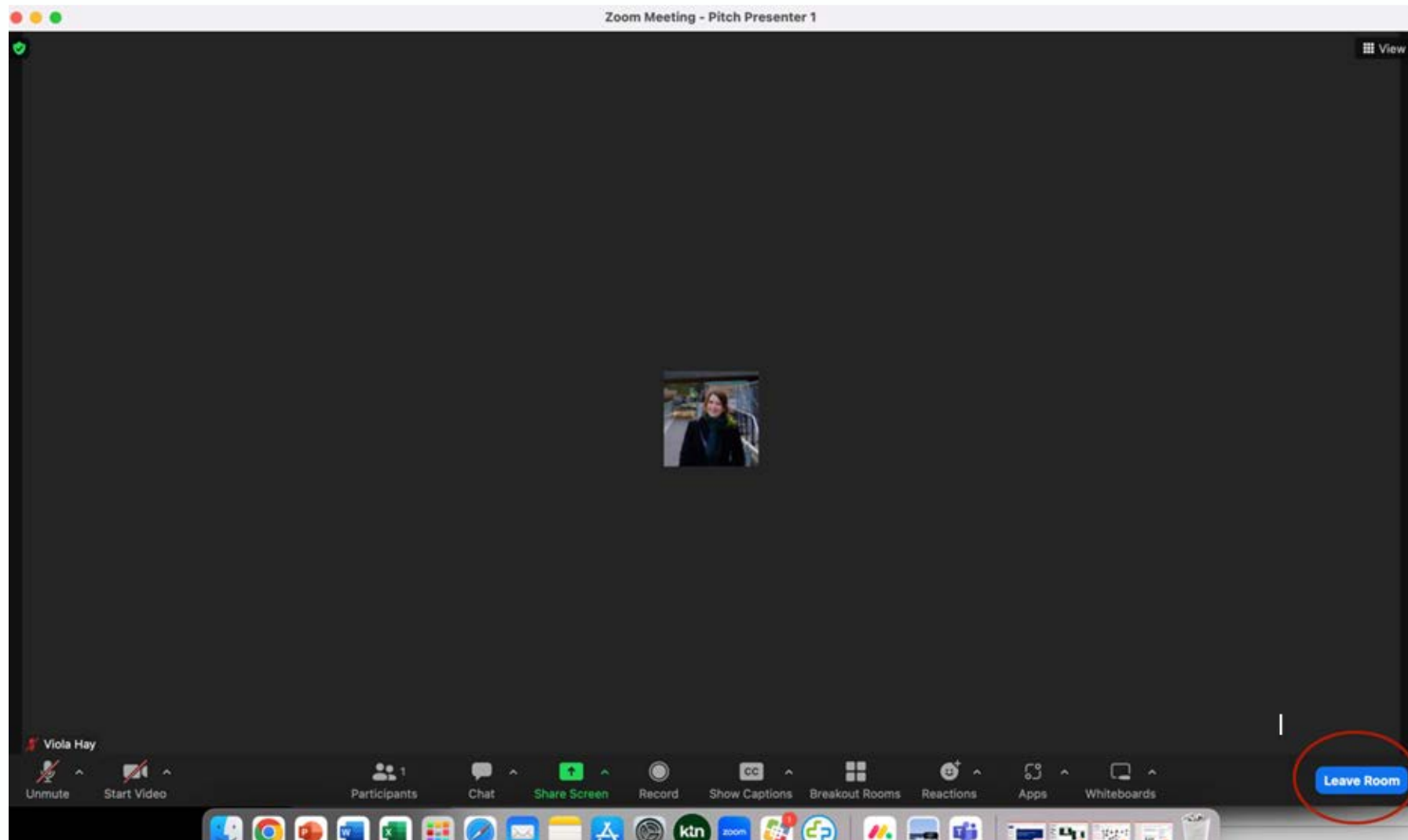
The screenshot displays the Zoom interface during a meeting. A central panel titled 'Rooms(12)' and 'Participants(0)' lists 12 breakout rooms, each with a 'Join' button. The first 'Join' button is circled in red. The bottom toolbar contains various icons, with the 'Breakout Rooms' icon (a 2x2 grid) circled in red. The name 'Viola Hay' is visible in the top left of the toolbar area.

Room Name	Participants	Action
Pitch Presenter 1	0	Join
Pitch Presenter 2	0	Join
Pitch Presenter 3	0	Join
Pitch Presenter 4	0	Join
Pitch Presenter 5	0	Join
Pitch Presenter 6	0	Join
Pitch Presenter 7	0	Join
Pitch Presenter 8	0	Join
SIN Team	0	Join
Conall McGinley	0	Join
Hydrogen Innovation Network	0	Join
Room 12	0	Join

Buttons at the bottom of the room list: Broadcast, Close All Rooms

Toolbar icons: Unmute, Start Video, Security, Participants (1), Chat, Share Screen, Polls/Quizzes, Record, Show Captions, Breakout Rooms, Reactions, Apps, Whiteboards, End

How to LEAVE a breakout room



Horizon Europe

Horizon Europe is an opportunity for all types of UK organisations (including businesses and academia) to get funding for research and innovation. For UK businesses this is an opportunity to collaborate with partners with the right expertise to expand markets and accelerate innovation across Europe and internationally.



Programmes related to European Programmes

[View all our programmes →](#)



Horizon Europe

Horizon Europe is an opportunity for all types of UK organisations (including businesses and academia) to get funding for research and innovation.

[Learn more →](#)

UK Horizon Europe Hub <https://ktn-uk.org/programme/european/>

Global Alliance Newsletter – December 2022 edition

Posted on: 14/12/2022



Innovate UK KTN Global Alliance Newsletter

<https://ktn-uk.org/news/global-alliance-newsletter-december-2022-edition/>



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