



Austria/Belgium/Czech Republic/Finland/France/Germany/Ireland/Norway/Poland/Romania
/Slovakia/Slovenia/Spain/Sweden/Switzerland/The Netherlands/United Kingdom

The Workshop for European Transnational Collaborations

From Micro- and Nanoscale Science to New Technologies for Europe

Swiss National Event



mnt-era.net

Austria/Belgium/Czech Republic/Finland/France/Germany/Ireland/Norway/Poland/Romania /Slovakia/Slovenia
/Spain/Sweden/Switzerland/The Netherlands/United Kingdom

Agenda

- | | | |
|----------------|--|---|
| 11:45 - 11:55h | Introduction to MNT ERA-NET | K. Höhener |
| 11:55 - 12:35h | Presentation of Swiss partners | |
| | <ul style="list-style-type: none">▪ Nanosurf AG▪ Mecatext AG▪ EMPA, Material Science and Technology▪ EPFL, Ecole Polytechnique Fédérale de Lausanne | Dr. L. Scandella
Dr. Y. Mabilard
Prof. L. Schlapbach
Prof. H. Vogel |
| 12:35 - 13:35h | Presentations of European partners | |
| | <ul style="list-style-type: none">▪ CR Midi-Pyrenees (Toulouse/France)▪ Enterprise Ireland, CTO Nanotech▪ Research Topics and Collaboration Opportunities with Romania▪ NanoNet Styria (Austria) presented by JOANNEUM RESEARCH▪ MHEST, Ministry of Higher Education and Science, Slovenia | Prof. H. Dexpert
Dr. R. Flood

Dr. C. Trisca-Rusu

Dr. F. Sinner

Dr. B. Jenko |
| 13:35 - 14:15h | Parallel workshop sessions covering the 10 presented topics | |



Introduction to MNT ERA-NET

1- What is ERA-NET?

2- What is MNT-ERANET?

3- Who is involved in MNT-ERANET?

4- The future in the mid-term

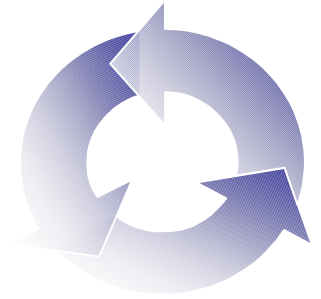
5- Benefits for applicants





EUROPEAN
COMMISSION

Community Research



WHAT IS ERA-NET?

- **The objectives of the EC are:**
 - **networking** of programmes including
 - mutual **opening** and the
 - development and implementation of **joint activities**



mnt-era.net

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WHAT IS ERA-NET?

**MOBILIZING NATIONAL AND REGIONAL
RESEARCH PROGRAMMES
TOGETHER WITH THE EC IN ORDER TO OFFER JOINT CALLS
BETWEEN DIFFERENT COUNTRIES**

**A KEY BRICK FOR THE CONSTRUCTION OF THE EUROPEAN
RESEARCH AREA (ERA), AVOIDING THE FRAGMENTATION
OF RESEARCH EFFORTS**



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WHAT IS MNT-ERANET?

**IS A 4-YEAR COORDINATION ACTION WITHIN
THE ERA-NET SCHEME BETWEEN 21 EUROPEAN COUNTRIES**

**IT COVERS THE FIELDS OF
MICROTECHNOLOGIES, NANOTECHNOLOGY AND
MICROSYSTEMS**

**MNT-ERANET IS EXPECTED TO IMPACT SIGNIFICANTLY
ON FUTURE ECONOMIC AND SOCIAL DEVELOPMENT
(THE JOINT ANNUAL BUDGET AMOUNTS TO 365 M€)**



The focus of the MNT ERA-NET covers:

- * **Medicine devices** (e.g. stents)
- * **Optical devices**
- * **Energy** (energy storage, photovoltaic, fuel cells, batteries)
- * **Actuators and sensors**
- * **Instrumentation** (AFM, holographic instruments, calibration)
- * **MEMS, MOEMS, NOEMS, NEMS**
- * **Manufacturing** (machining, LIGA, lithography, structuring, tribology)
- * **System integration**
- * **Materials** (e.g. functionalisation, surface structuring, replication, composite)
- * **Nanoelectronics**
- * **Simulation modelling**
- * **Biotechnology** (e.g. sensors, delivery systems, Lab-on-a-chip)



1- What is ERA-NET?

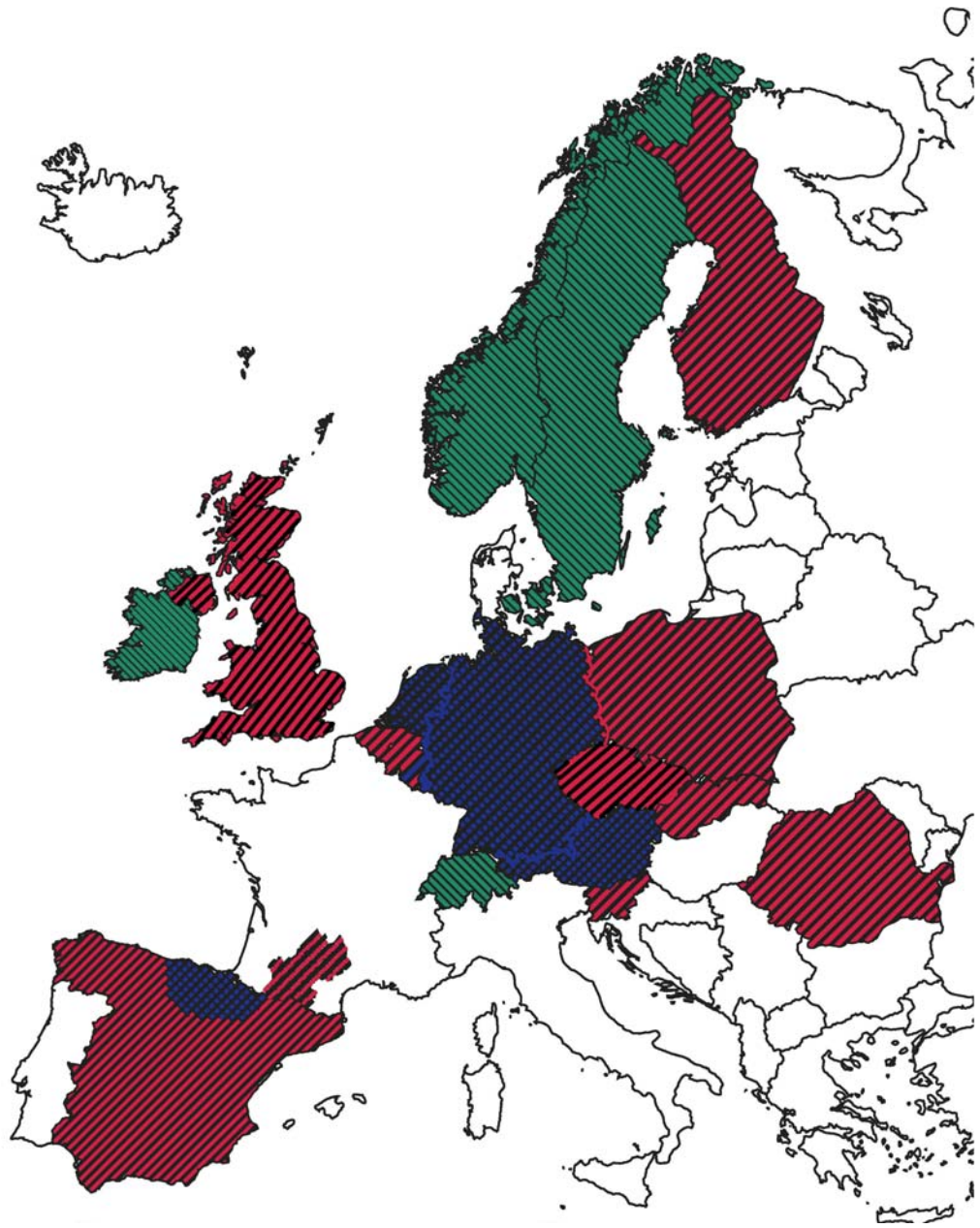
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- New Partners
- Initial Partners
- multiple Engagement



CONTACT

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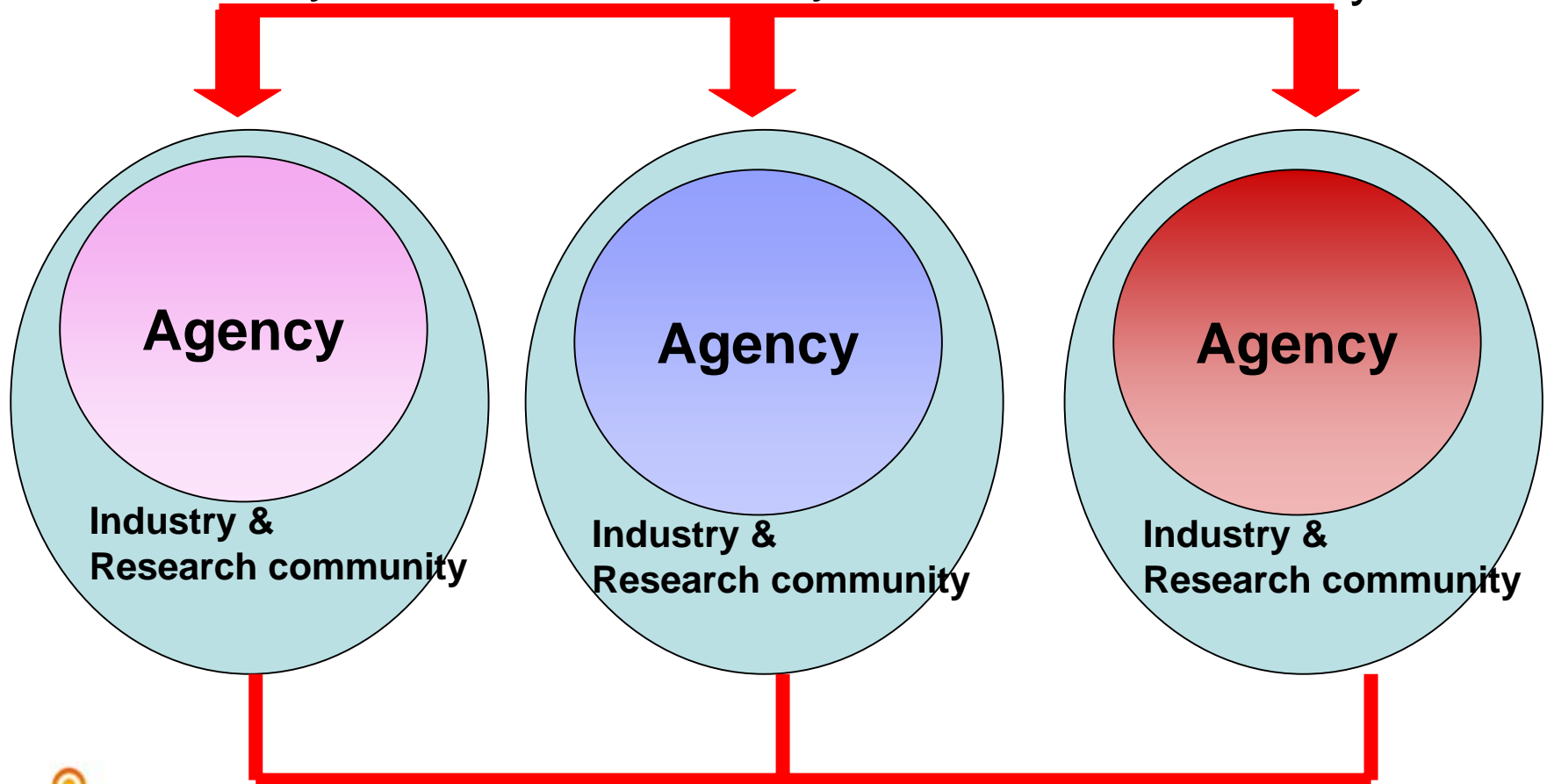


Joint Action

Country 1

Country 2

Country 3



**EACH APPLICANT WORKS WITH ITS
NATIONAL AGENCY
ACCORDING TO NATIONAL RULES, TOO**



WHAT DOES THE AGENCY NEED FROM YOU?

**WE NEED AN EXPRESSION OF INTEREST
FOR AN MNT RESEARCH PROJECT
YOU WANT TO ACCOMPLISH AT A
NATIONAL/EUROPEAN LEVEL ACCORDING
TO YOUR OWN NATIONAL PROGRAMME RULES**



WHY DOES THE AGENCY NEED YOUR EoI?

**New procedures for European collaborative research
must be developed gradually**

**These skills will enable better access to European
competitive funds (FP7...)**

**Our expectation is to increase funds with European money
Real difficulty is competitiveness for funds!!!!**



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WHAT ARE THE BENEFITS FOR YOU?

European expertise on National level

Trans-national cooperation

Consistent evaluation process

Accelerated Funding decisions



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