



POLE 2: RDI framework support



Danube Transnational Programme

Definition & Background:

Thematic Pole 2 (TP2) ***Research, Technology, Innovation (RDI) framework support*** is co-ordinated by the Centre for Social Innovation in Vienna and EUSDR PA7. Its main aim is to contribute to the mission of the Danube Transnational Programme by creating links between the local, regional, national, macro-regional and European Union levels while looking to improve the framework conditions for research and innovation in the Danube Macro region. Particular focus is put on policy dialogue and development of new tools and instruments as well as on knowledge transfer, capacity building and awareness raising within the quadruple helix. The two main thematic fields are related to Responsible Research and Innovation (RRI) and Research infrastructures (RI).

Who we are and what are our thematic fields and topics:

DTP Project name / acronym	Lead Partner	Project partners	Thematic fields and topics
Danube Framework for Responsible Research and Innovation using Socio-Technical Integration / D-STIR	SOUTH-EAST REGIONAL DEVELOPMENT AGENCY (RO)	Cassovia Life Sciences (SK), First Hungarian Responsible Innovation Association (HU), ELI-HU Research and Development Non-profit Ltd (HU), Development centre of the Heart of Slovenia (SI), Institute of Physics of the Czech Academy of Sciences (CZ), Horia Hulubei National Institute for Research and Development in Physics and Nuclear Engineering (RO), bwcon GmbH (DE), County Government of Csongrád (HU), Central Bohemian Innovation Centre (CZ), Development Agency Heart of Istria (HR), Sarajevo Economic Region Development Agency (BA), Ilfov County Council (RO), Kosice Self Governing Region (SK), Sarajevo Canton Planning Institute (BA)	Responsible Research and Innovation (RRI) STIR Method (Socio-Technical Integration Research) Evaluation Quadruple Helix Knowledge Transfer / Capacity building / Awareness raising
Facilitating macro-regional scope and link up to socio-economic actors of Research Infrastructures in the Danube Region / ResInfra@DR	Centre for Social Innovation (AT)	University of Natural Resources and Life Sciences, Vienna (AT), Applied Research and Communications Fund (BG), Ministry of Education and Science (BG), Ministry of Science, Education and Sports (HR), Institute of Philosophy, Czech Academy of Sciences, (The Centre for Science, Technology, and Society Studies) (CZ), Centre for Economic and Regional Studies, Hungarian Academy of Sciences (HU), Slovak Centre of Scientific and Technical Information (SK), Executive Agency for Higher Education, Research, Development and Innovation Funding (RO), Ministry of Science and Technology of the Republic of Srpska (BA), Ministry of Education, Science and Technological Development (RS), Central European Initiative Executive Secretariat (IT), National Authority for Scientific Research and Innovation (RO), Academy of Sciences of Moldova (MD)	Research Infrastructures (RI) Policy steering tools Peer-review / Ex-ante assessments Quadruple Helix Knowledge Transfer / Capacity building / Awareness raising

Embeddedness of high quality research infrastructures in the Danube Region / RI2integrate	ELI-HU Nonprofit Ltd. (HU)	Central Transdanubian Regional Innovation Agency Nonprofit Ltd. (HU), Horia Hulubei National Institute of R&D for Physics and Nuclear Engineering (RO), Institute of Physics, Academy of Sciences of the Czech Republic (CZ), FH JOANNEUM GESELLSCHAFT M.B.H. (AT), Institution for development of competence, innovation and specialization of Zadar County (HR), University of Maribor (SI), Magurele High Tech Cluster (RO), Central Bohemia Innovation Centre (CZ), Development Agency of Serbia (RS), Ministry for National Economy (HU), Ilfov County Council (RO), Central Bohemia Region (CZ), Steirische Wirtschaftsförderungsgesellschaft mbH (AT), Zadar County (HR), Technical University of Kosice (SK), Municipality of Ruse (SI)	Research Infrastructures (RI) Innovative tools for policy learning Quadruple Helix Knowledge Transfer / Capacity building / Awareness raising
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Main goal: to facilitate macro-regional scope and link up to socio-economic actors of Research Infrastructures (RI) in the Danube Region

Specific objectives:

- Increasing strategic knowledge for STI policy making in particular focusing Research Infrastructures (RI)
- Contributing to a monitoring framework for RI by e.g. developing and implementing a peer review approach and testing of developed guidelines and methodologies in pilot activities
- Enhanced regional socio-economic impact of RI by linking up economy and public administration as ultimate users

Results:

- Enhanced knowledge about and the advanced use of policy steering tools for research infrastructure investments
- Improved strategic frameworks and cooperation to build up excellent research infrastructures (RI) in the DR with a focus on better ex-ante assessment tools, useful monitoring procedures and peer review mechanisms to facilitate mutual learning among the research infrastructure operators
- Developed knowledgeable staff on the side of STI steering bodies (e.g. ministries as Programme owners, research councils etc.) and the policy delivery organizations (e.g. agencies, research organisations) related to the topic of research infrastructures

Main Deliverables and Outputs:

- 4+1 Stakeholders dialogue Workshops in 2017
- 3 Guidelines developed for the (Ex ante Assessment of Research Infrastructure investment; Monitoring guidance for existing ones; Socio-econ. Impact assessment guidelines)
- 2 Recommendations to Research Infrastructure (a) policy makers; (b) practitioners on the establishment, operation and durability
- 3 Trainings for Res. Infrastructure (a) policy makers and (b) potential reviewers (Total 75 trained)
- Reviewers registry (200 qualified profiles)
- Strategy for sustainable Research Infrastructures in the Danube Region
- Pilot action1: Peer review (9 organisations as case studies);
- Pilot action2: Ex-ante assessments (3 cases planned Res. infrastructures).

Expected Impact:

- Enhanced macro-regional cooperation on research infrastructures (joint assessment of RI planning, better planning of joint investments in RI, better exchange on planning unique RI in the region)
- Improved cooperation on RI topics of relevant stakeholders within the quadruple helix: Government, Academia, Industry, and Civil Society with a specific focus to involve not well integrated stakeholders
- Common understanding of tools available to support decision making (ex-ante evaluation of planned RIs; monitoring RIs' operation; assessing socio-economic impacts of RIs).

Main goal: The main objective of RI2integrate project is to exploit the economic development potential and to better the integration of the operation of the EU's excellent R&D Infrastructure (RI) investment projects through devising and implementing innovative tools for policy learning on macro-regional embeddedness in the Danube Region.

Specific objectives:

1. Enterprise support on their relation to RIs
2. Supporting government involvement thorough PPI
3. Supporting community embeddedness of RIs

Results:

The main result of the project is the exploitation of the economic development potential of excellent research infrastructures at Danube Region level.

Main deliverables & outputs:

- Expert network development and operation
- Regional reports on existing initiatives
- Joint guidelines for RI embeddedness
- PPI guide concerning RI utilization
- Roadmap for RI related business ecosystem
- Community awareness raising tool
- Implemented and reported PPI procedures
- Implemented and reported science park tool
- Implemented and reported visitor centre pilot
- Joint Action Plan
- Knowledge transfer trainings
- RI2integrate Committee

Expected Impact:

1. Developing a tool for SMEs to settle in Scientific Parks located in the vicinity of excellent research infrastructures.
2. PPI tool that ensures high level support from public authorities.
3. A visitor centre guideline with an aim of informing the younger generations on R&D and innovation.

Main goal: to improve Danube framework conditions for innovation, by integrating Responsible Research and Innovation (RRI) in the whole innovation pipeline.

Specific objectives:

1. Build capacity of Danube R&I actors to develop/apply RRI strategies - build new skills in strategy development and cooperation, by strengthening capacity on the STIR method.
2. Design, test and promote transfer of a Danube RRI strategy - develop a long-term strategy to guarantee responsible framework conditions for innovation in the Danube.
3. Strengthen policy that improves Danube RRI framework conditions - provide practical recommendations on how to change the interested policies at different policy levels across the Danube.

Results:

- Improved capacity building among R&I actors;
- Improved RRI policy in Pilot entities at local/national level and at Danube level, with strategies, action plans & proposals to leverage capital for RRI;
- Improved Quadruple Helix cooperation between transnational stakeholders.

Main deliverables & outputs:

- 1 context analysis on local & Danube RRI needs and challenges developed;
- 3 transnational RRI stakeholder groups set up and more than 250 actors involved (1 Transnational Stakeholder Group on Academia, 1 Transnational Group on Business & 1 Danube Transnational Group)
- 1 Danube RRI strategy integrating a common vision of applying RRI across the Danube and a practical plan for using STIR model at transnational/local level;
- 1 research tool – STIR that integrates the socio-environmental responsibility in innovation policy, adapted at Danube framework;

Expected Impact:

D-STIR project is designed to ensure transnational impact through:

- Improved framework conditions for RRI in the Danube innovation pipeline
- Improved knowledge transfer and resulting commercialisation of responsible R&I results