

Exploring collaboration opportunities & synergies between RIS3 and EIT-RIS

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Energy Transitions/Industry 4.0/Adaption to Climate Changes Related Activities with regards to your MA Responsibilities I

Research, technological development and innovation are strengthened via different programmes financed by structural funds: [RITA](#), [Mobilitas Pluss](#), [NUTIKAS](#), [ASTRA](#), support to centres of excellence etc.

There is no specific research and innovation strategy for smart specialisation under TO1 in the mentioned areas.

3 main priority areas are: ICT horizontal cross-sectoral (including industry 4.0), health technologies&services and resource efficiency

Energy Transitions/Industry 4.0/Adaption to Climate Changes Related Activities with regards to your MA Responsibilities I

- Estonian Research Council also encourages and supports the participation of sectoral ministries in different European Research Area partnerships (e.g. In JPI Climate, JPI Water etc.), which are directly supporting the research and innovation activities in the areas of Energy Transitions, Climate Adaption, Industry 4.0 and Circular Economy
- In addition Estonia has been participating in Horizon 2020 programme calls of these above mentioned areas.
- Resource-efficiency measure in the circular economy
- Revenues from EU ETS - Energy and Environment

Energy Transitions/Industry 4.0/Adaption to Climate Changes Related Activities with regards to your MA Responsibilities II

Activities:

- Industry 4.0: Education
- For industry workers basic digital knowledge, who do not have it yet.
- Labor mobility
- Access and use of ICT

When it comes to applied research and in-company development it significantly affects the company's investments in TO2-TO11.

Activities Undertaken under the EIT KICs Networks and/or EIT Regional Innovation Scheme (EIT RIS)

- Estonia is somehow involved in several KICs. Some examples:
 - In Climate-KIC we take part in RIS scheme (company Cleantech Forest). With Climate-KIC activities also local universities, national authorities and technology parks have been involved.
 - EIT Raw Materials (Tallinn University of Technology)
 - EIT Health (University of Tartu, Estonian Genome Center)
 - EIT Digital (Collaboration with Startup Wise Guys since 2015; MoU with Kredex/Startup Estonia)
 - One of aims of the Mobilitas Plus programme is to support different Estonian organisations which are taking part in KICs activities (it also includes financial support)
 - Last year in October Ministry of Environment hosted together with Cleantech ForEst and Climate-KIC event „Climathon“
<https://climathon.climate-kic.org/tallinn>

Critical Success Factors

- Measures to provide businesses:
 - Awareness raising and training (from financial awareness to technology training).
 - In addition to involving external consultants and experts: creating a strategic vision (view of the company as a whole).
 - Success stories (pilot factories, exemplary solutions) are also important, investment decisions are often made on the example of positive success stories in their sector (as well as learning from other mistakes).

Critical Success Factors

- In spring 2017 Estonia adopted its General Principles of Climate Policy until 2050 http://www.envir.ee/sites/default/files/low_carbon_strategy_until_2050.pdf
 - NECP process
- Also National Adaptation Strategy 2030 was adopted spring 2017.
 - IT-systems and tools