Smart Specialisation Strategies (S3) for Innovation and Growth

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Situation in Croatia

- Industrial Strategy 2014-2020
- Innovation Strategy 2014-2020
- Smart Specialization Strategy 2016-2020 with Action Plan 2016-2017
- Western Balkans Research and Innovation Centre - WISE
Analytical approach to priority areas
Priority thematic areas

HEALTH AND QUALITY OF LIFE
ENERGY AND SUSTAINABLE ENVIRONMENT
TRANSPORT AND MOBILITY
SECURITY
FOOD AND BIO-ECONOMY

Cross-cutting themes: KETs & ICT
<table>
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<th>DEVELOPMENT INSTRUMENTS</th>
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<td>Development of Innovation for Network and creation of Thematic Innovation Platforms</td>
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<td>Preparation of Science and Technology Foresight</td>
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<td>Creation of Centres of Competence</td>
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<td>Increase R&amp;D ability for conducting top quality research and cooperation on national and international levels</td>
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<td>Support to business investment in RDI</td>
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<td>Support to social innovation</td>
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<td>DELIVERY INSTRUMENTS</td>
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<td>Support to research organizations conducting R&amp;D projects directed towards the needs of economy</td>
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<td>Strengthening National Centres of research excellence</td>
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<td>Building stairway to research excellence by enabling synergies with ERC grants</td>
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<td>Financial engineering instruments</td>
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<td>Support to competitiveness cluster initiatives</td>
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<td>Innovating friendly business environment for SMEs</td>
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<td>Strengthening links between scientific and business sectors through support to technology transfer Offices and Science Technology Parks</td>
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<td>Future skill needs assessment</td>
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Challenges & Obstacles

- Inadequate/underdeveloped research infrastructure and equipment
- Weak RDI capacities of the business sector and low number of laboratories with up-to-date equipment for the implementation of projects with a technological orientation
- Difficult access to capital markets and high cost of capital
- Insufficient commercialization of research results and insufficient research orientation towards the needs of the economy
- In Croatia only around 2500 (0.19%) workers work on R&D activities in private sector
A challenge for Europe

- Current innovation-friendly climate has tendency to champion any success story of research-based innovation

- Questionable social benefit, the value for the taxpayer, long-term viability and impact on the research system

- Innovation is not a linear process...

"Research-based innovation in Europe does not meet the expectations of society and of political and economic leaders"

Science Europe Engineering Committee (2015)
USPTO patent granted by selected region/country/economy of inventor 2003–2014
Agreement on the Western Balkans Research and Innovation Centre - WISE
WISE Agreement

Between:

Republic of Albania,

Bosnia and Herzegovina,

Republic of Croatia,

Kosovo*,

FYR of Macedonia,

Montenegro and

Republic of Serbia

*This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence
Increased research and its quality & links with Diaspora

Joint publications & better use of infrastructure, mobility

Improved diffusion and private sector collaboration

Matching grants for PoC, Business development & advisory service

Western Balkans Research and Innovation Centre (WISE)

Managing Programs

Policy Dialogue Analysis and Training

Research excellence fund

Regional networks of excellence

Technology transfer program

Early –stage start up program

Increased research and its quality & links with Diaspora

Joint publications & better use of infrastructure, mobility

Improved diffusion and private sector collaboration

Matching grants for PoC, Business development & advisory service

PRODUCTIVITY & JOB CREATION
WISE

an international, independent, non-profit, sustainable organisation

Mission: strengthen regional research innovation and technology systems and improve Western Balkan’s research and innovation climate

Scope of work:
- Advocate for and advise on the implementation of reforms (policy exchange, public policy dialogue in R&I)
- Implementation of regional strategic programmes
- Provide analysis; monitoring and evaluation of policy reforms
- Promote capacity building

promoting an facilitating:
- Collaboration between researchers (in region and with scientific diaspora)
- Mobility of young researchers and PhD candidates
- Collaboration between research organizations and their collaboration with the industry
- Joint programming
- Shared use of science infrastructure
- Scientific centres of excellence
Thank you