

Synergy and its' impact on the scientific and economic benefits

Prof. Albena Vutsova

Why synergy :

- Accelerating economic growth.
- Accelerating collaboration and avoiding duplication of efforts.
- Improving efficiency.
- Widening the circulation of research and innovation outputs.
- Supporting short and midterm priorities

How to realize synergy ?

- Linking the various instruments- national and European.
- Linking the various networks.
- Establishing interoperability frameworks.
- Linking vivid networks – HR.
- Increasing the circulation of knowledge and information.

What we could achieve via synergy approach – general scope?

- Closing of existing gaps – various kind of.
- Reusing results and unique results
- Traceability of research product realization
- Achieving **3 E** (Efficiency, Efficacy, Effectiveness)
- Achieving **3 B** (Bigger, Bolder, Better)

Challenges of synergy

Maximum
impact on
policy

New format
and tools

Policy Co-
design

Spatial
coordination

Boosting
economic
growth

EU instruments for R&I

EU instruments

- Horizon 2020 - targeting R&I.
- Erasmus+ - targeting education and skills .
- COST- targeting Research and technologies.
- JRC – targeting policy support in EU research

Features and intervention

- Complementarity.
- Mutually Additive.
- Contribute to financial stability and bettering of life.
- Broader effect on EU and national economy

National S3

S3

- Focus on national strong and promising areas.
- Modeling and design national economy.
- Direct weak signals of change.

Intervention

- Improving the economic development.
- Addressing regional needs.
- Understanding human behavior.
- Bettering social cohesion.

EU instruments and S3 synergy

EU instruments

S3

Intervention
focuses on
competitive
economy and
social well
being

How to contribute to the benefits of science - Examples :

- Implementation of a central infrastructure for storing and processing of Earth observation (EO) and Social Sensing data – JRC (based on the already existing DB and upgrading as a Big Data)
- Agreement between GEANT and ESA for transferring the data - access to the global satellite data

How to achieve higher synergy effect via Smart specialization

- Designing adequate instruments, enabling their mixing and widening their impact.
- Creating space for their complementarity.
- Building favorable milieu for effective instrument functioning (legislative, financial, organizational).

More synergy through S3 - economic anticipation :

- Key driver for accelerating economic growth
- Core element for innovation support (innovation as a pillar of EU strategy 2030)
- Focused intervention- via targeted actions
- Addressing new challenges – as migration and refugee crisis.
- Addressing effectiveness of National Innovation System

More synergy through S3 research anticipation :

- Opportunities for modern research performance - access to remote RI, big Data, fast results exchange.
- Bridging sustain alliance “academia and industry”.
- Free knowledge circulation and not only.
- Open access – contributing better research carrier.
- Access to global research market.
- Better research internationalization.
- Benchmarking with big research actors and further collaborations.

Lessons learnt

Increased impact:

- Reduces fragmentation, reduces duplication, saves resources.
- Ensures higher effect from applied financing instruments.
- Focuses on activities with higher efficiency.
- Increases the competitiveness of research and the creation of innovation products.
- Ensures better results utilization.

Reach out :

- Strengths the links between the Research and the Innovative instruments.
- Facilitates circulation of information flow- not 5-th freedom ONLY
- Focusses on priorities – permanent open dialog and governmental commitments – small number of priorities with higher impact and more visibility.

Reach out

2

- Align priorities – links between research community, regional authorities and government to - better priority setting
- Optimizing – streamline the list of beneficiaries to better needs addressing
- Coordination- better policy and instruments coherence; implementation of activities and dissemination of results

Realization of S3 based on synergy effect – possible tasks

- Mapping and strengthening the opportunities.
- Analysis on S3 activity performance and feed back to its design.
- Facilitating participation into EU S3 community.
- Accumulating good practices and applying them in a reliable way.

And last but not least

- **Not only**

THE MORE- THE MORE (WINNIE THE POOH)

- **BUT**

THE MORE – THE BETTER



**Thank you for the
attention !**