Joint Research Centre

the European Commission's in-house science service



S3 Platform support for the enlargement and neighbourhood countries

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Smart Specialisation Platform

Kyiv, 15 September 2016





Design principles for RIS3

- 1. **ANALYSIS:** discovery of the socioeconomic and innovation engines of regional growth, competitive advantages & weaknesses
- 2. MAKE CHOICES: identify a limited set of priorities for development where to concentrate investment
- 3. STAKEHOLDER INVOLVEMENT: setting priorities should be an inclusive and interactive process centred on entrepreneurial discovery
- 4. BROAD VIEW OF INNOVATION: support technological as well as practice-based and social innovation
- **5. MONITORING AND EVALUATION:** feeding back information into the policy cycle and allowing strategy revision



RIS3 Guide of the European Commission

With contributions of D. Foray, P. McCann, J. Goddard, K. Morgan, C. Nauwelaers

Available on the **S3 Platform webpage** http://s3platform.jrc.ec.europa.eu





- + bottlenecks in a region, incl. external perspective, cooperation potential, global value chains
- = no top-down decision but **dynamic** entrepreneurial discovery process uniting key stakeholders around shared vision
- = all forms of innovation, not only technology-driven, existing / new knowledge
- = ecosystem approach: creating environment for change, efficiency of institutions

- = fact-based: all assets + capabilities = differentiation: focus on competitive advantages, potential for excellence, emerging opportunities, market niches, at the level of activities granularity
 - = concentration of resources on priorities, problems and core needs, for critical mass/critical potential
 - = **synergies** across different departments and governance levels (EU-nationalregional); cross-sector/technology links - NO Silos Thinking!
 - = place-based economic transformation: rejuvenate traditional sectors through higher-value activities; aiming at developing a strategic approach to territorial development

What's new in the S3 approach?



S3 is NOT a "Neutral" Policy

- S3 does not act only through horizontal measures that cut across the whole economy
- It requires policy makers to take risks associated with the selection of a limited number of activities to support



Choices Based on Entrepreneurial Knowledge

- No central and omniscient planner
- Policy makers will rely on and exploit the fundamental knowledge of the local entrepreneurs
- Interactive process of knowledge exchange and creation: the entrepreneurial discovery process (EDP)

European Commission

Centrality of Entrepreneurial Discovery Process

Priority-Identification Process:

- 1. Entrepreneurial actors in abroad sense: all actors potentially holding some type of entrepreneurial knowledge, from businesses to research institutions and also public administration!
- 2. Interactive process where different actors can meet: become aware of potential for synergies and complementarities, or explore experimental ideas
- 3. Shielded environment where actors can disclose information: both virtual and physical space
- **4. Non-hierarchical process:** stakeholders in this process stand on the same foot as the administration

from the S3 Platform experience



Public authority will prioritise activities which:

- (i) Have critical mass of entrepreneurial resources and capabilities
- (ii) Show commitment of stakeholders / entrepreneurs
- (iii) Are suitable to realize the strategic goals/meet the needs and challenges of the local economy and society



RIS3 Sustainable Policy Cycle

Result Orientation + Sustainability and Replicability of Policy Cycles

- a. Permanent stakeholder fora, stable engagement process based on participation → Continuous entrepreneurial discovery
- b. Network of institutional and stakeholder relationships that:
 - Is persistent over time
 - Continuously produces information
 - Reacts according to new information
 - Evaluates the results and feeds back information
- **c. Integration of monitoring systems** aimed at learning about actual processes, building trust among stakeholders & ensuring accountability



Smart specialisation in Europe

REGULATION (EU) 1303/2013 Applies to the European Regional Development Fund (ERDF)

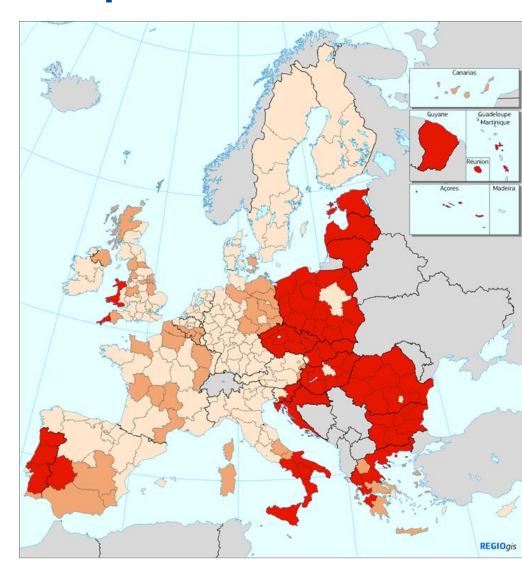
Ex-ante conditionality

A national or regional smart specialisation strategy is in place that:

- is based on a SWOT or similar analysis to concentrate resources on a limited set of R&I priorities
- outlines measures to stimulate private RTD investment
- contains a monitoring mechanism

ERDF Eligibility map 2014-2020 Based on GDP per capita in PPS, 2007-2009

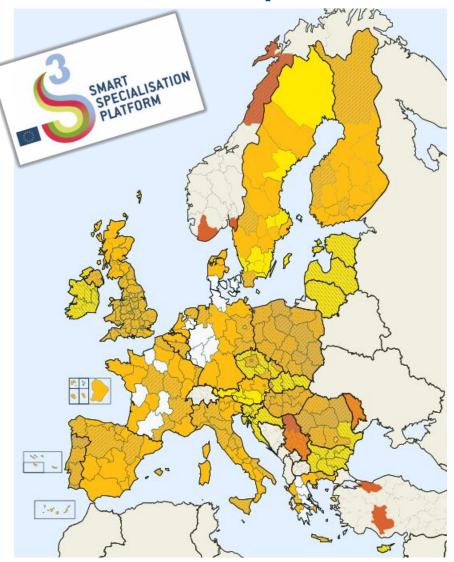
- Less developed region (GDP/head: less than 75%
 - Transition regions (GDP/head between 75% and 90%)
 - More developed region (GDP/head: more than 90%)





Smart Specialisation Platform

Broad membership



Guidance - Analysis - Support

Comprehensive guidance tools – RIS3 Guide, Digital Agenda Toolbox, FAQs, Implementation Handbook

S3 Publication series - Policy briefs co-authored with leading academics and practitioners; Working papers contributing to conceptual and empirical developments related to smart specialisation

Supporting tools: S3 self-assessment (assessment wheel), regional S3 priorities (EYE@RIS3), regional benchmarking, bilateral trade flows & planned ICT investments

Some achievements

Wide membership: 177 regions, 20 countries (incl. RS, MD & regions from NO, RS and TR)

Strong endorsement by national/regional policy makers: average 4.5/5 satisfaction ranking

High "fidelisation rate": >50% of regions attending workshops come back

Political endorsement at EU level: EC (Hahn, Cretu), EP (Winkler), CoR (Markkula), Council





S3P Supporting the RIS3 Process

from RIS3 Guide



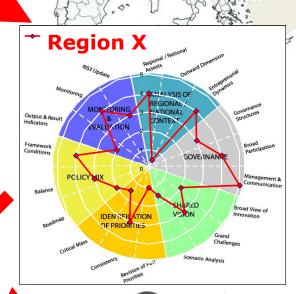
through streamlined "easy-to-use"

(Self-)Assessment Tool & benchmarking tools

to RIS3 Peer-Review

& Mutual Learning exercises

& Encoding of the S3 priorities



The Smart Specialisation Community

Outward-Looking Dimension of RIS3

- Transnational, cross-border learning and diffusion of policy practices
- Exploration of synergies on specific priority areas and collaboration





Pan-European S3 Approach as Enabling Condition

- Community of language
- Community of practice



- Common vocabularyCommon methodologies
- S3 approach as a framing device
- Peer-learning workshops as a tool for dialogue
- S3 Platform as a scaffolding structure



RIS3 Progress & Challenges

Most EU Regions and Countries have started the implementation phase of RIS3:

- RIS3 are generally stronger at analysis and weaker at monitoring & evaluation
- S3 principles are sometimes not fully taken on board in the prioritisation process
- 1. Sometimes involvement of stakeholders limited in depth and scope and not continuous/on-going + progress from a triple to a quadruple-helix governance

...S3P challenges still ahead:

- 1. EU Enlargement and Neighbourhood Countries
- 2. Preserve the **bottom-up component** of strategy development & adjustment
- 3. Develop models and share experience on how to operationalize the entrepreneurial discovery process in different contexts
- 4. "Give voice to the voiceless", avoid capture by closed clubs of incumbent stakeholders







Smart Specialisation (S3) = Participatory... ...and Continuous Process!

- Businesses are best placed to lead the identification of new opportunities for growth in a rapidly globalising economy!
- The process of discovery of the new niches/markets inspire public policies on innovation...

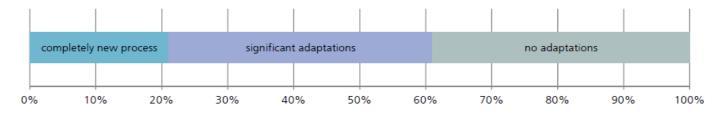
S3 - Policy impact?

"The smart specialisation programme of the European Commission is currently the biggest experiment in innovation and industrial policy in the world and possibly the biggest ever undertaken."

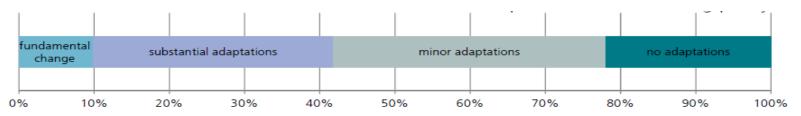
Y. Kuznetsov (World Bank), C. Sabel (Columbia University), [2016 forthcoming]

Smart Specialisation – Trigger for Change

60% of regional policy makers stated that smart specialisation introduced significant adaptations in the stakeholder involvement process (and 20% spoke about a "completely new process")



More than 40% stated that the S3 initiated substantial adaptations to the existing policy mix.



More than 40% of respondents stated that smart specialisation had a high potential to trigger economic transformation in their regions/countries, with a further 38% highlighting an at least moderate potential.

More than two thirds of the respondents stated that S3 has triggered the introduction of "new elements of governance" and more than 90% specified that these novelties will be maintained.

Source: Surveys by Fraunhofer ISI across ESIF managing authorities, relevant regional innovation policy makers and selected consultants across the EU (2013-4-5).

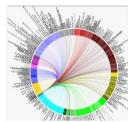
S3P Support for S3 (Macro-regional) Cooperation



Eye@RIS3 tool for finding & match-making regions with related R&I priorities + additional S3 tools

Inter-regional trade and competition tool





Analysis, Policy Briefs, Working Papers



Trans-national learning, Peer Review & thematic workshops

SMART SPECIALISATION PLATFORM

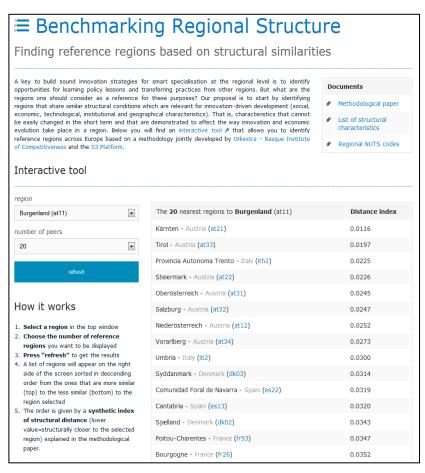
Regional benchmarking tool – searches for structurally similar regions Support to the macroregional strategies : EUSDR + EUSBSR, EUSAIR, etc.



S3 Online Tools (I)

Benchmarking Regional Structure

Reference regions = those that share similar structural conditions relevant for innovation-driven economic developm.

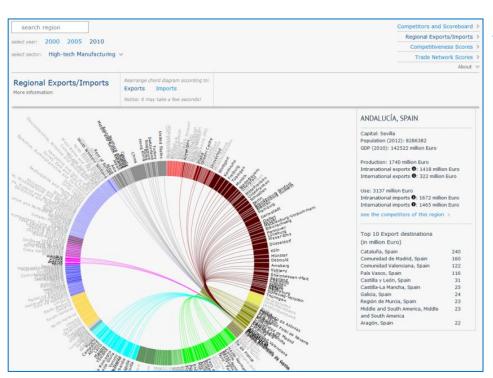






S3 Online Tools (II)

Inter-regional Trade and Competition Tool



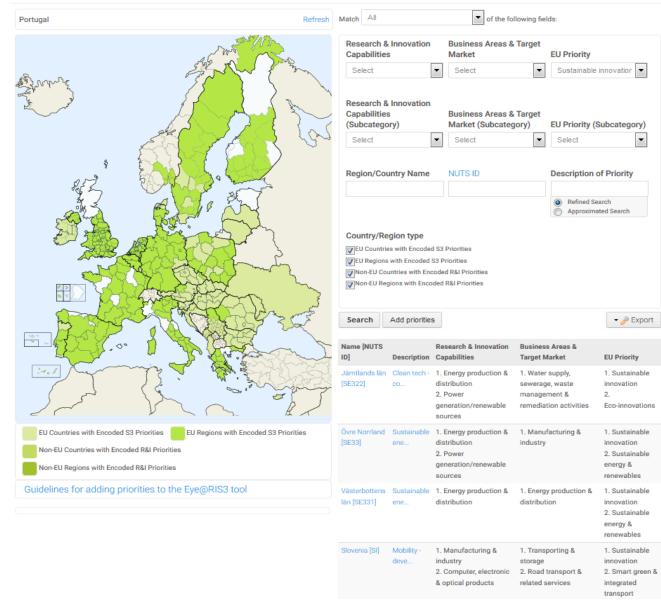
Visualising the trade flows (yrs 2000/2005/2010) between 256 European NUTS2 regions and with the rest of the world.

The revealed competition map shows which region competes internationally with whom, on what and where.



S3 Online Tools (III)

EYE@RIS3

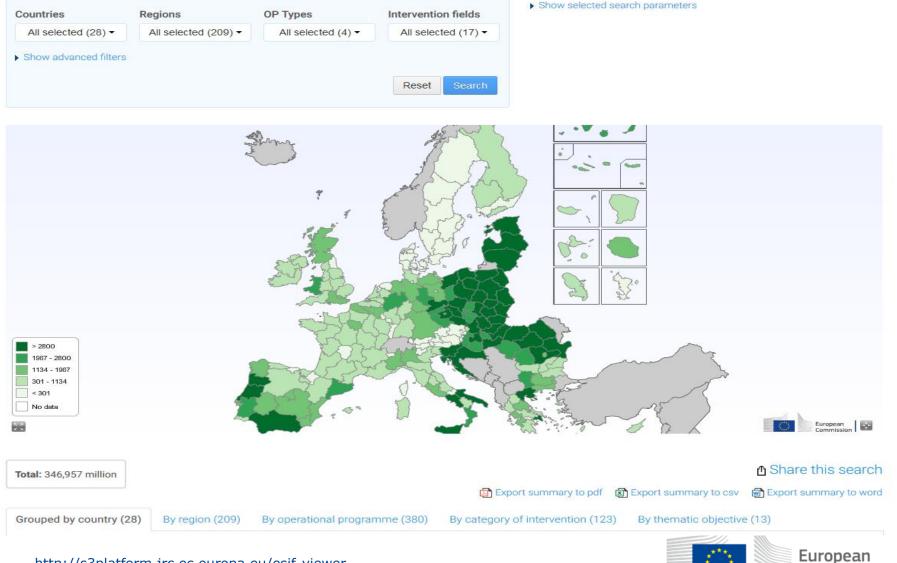


"EYE@RIS3" Tool mapping S3/R&I priorities!



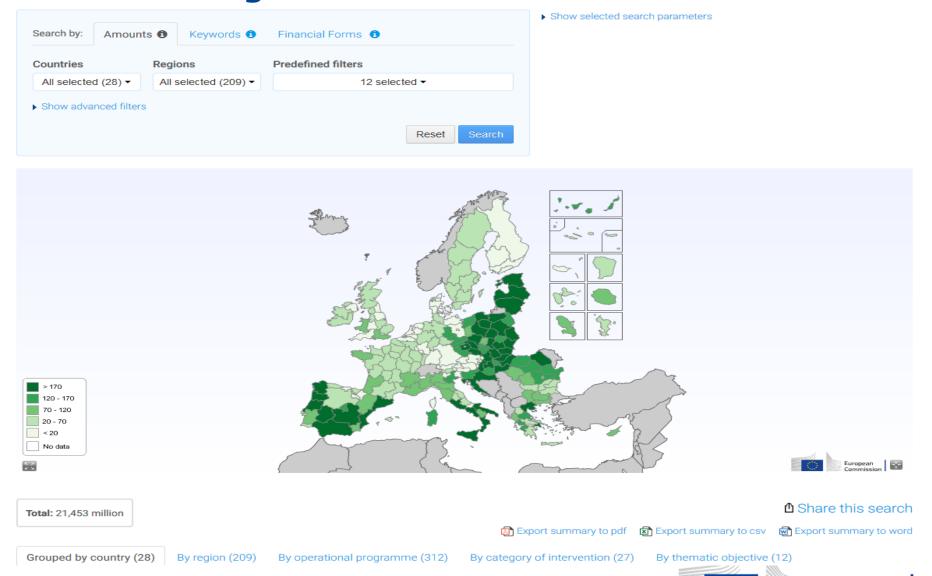
S3 Online Tools (IV)

ESIF-Viewer (visualising planned investments using European Structural and Investment Funds)



Commission

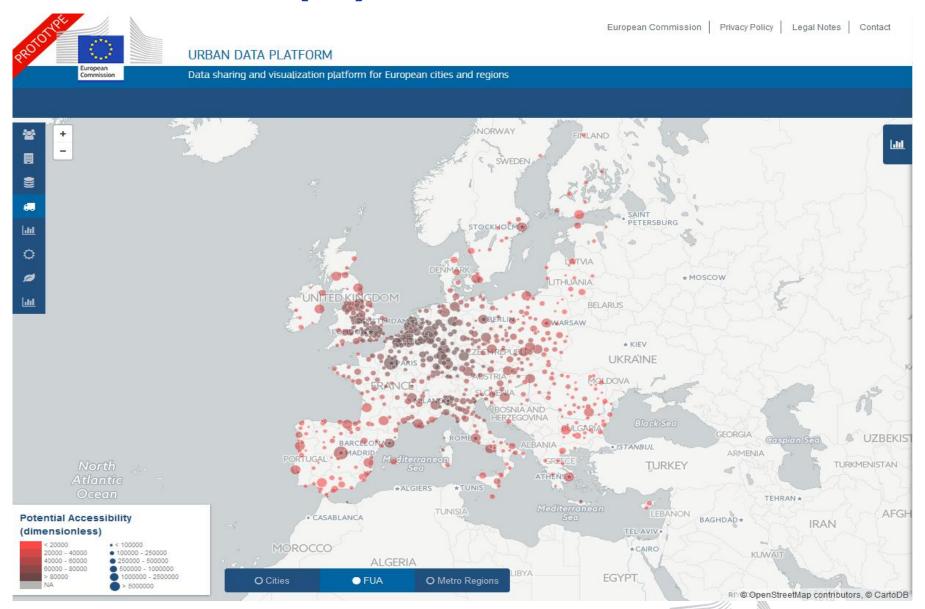
S3 Online Tools (V) ICT Monitoring - Planned ICT Investments under ESIF



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S3 Online Tools (VI) - Urban Data Platform



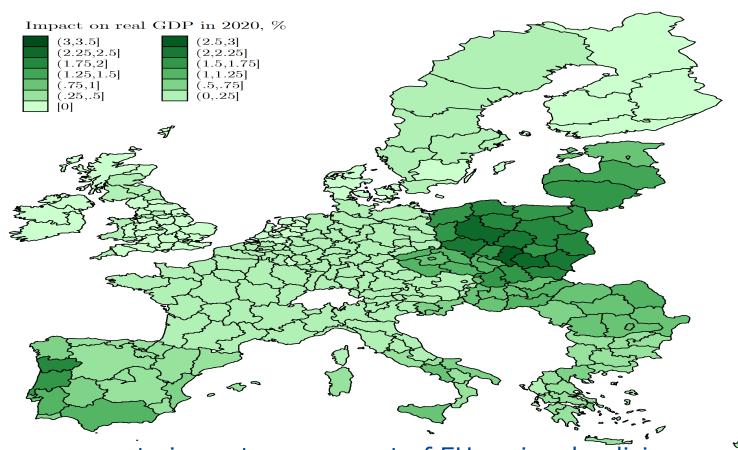
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More upcoming S3 Online Tools in the coming weeks/months (VII...)

Synergies H2020/ESIF, EU Energy Investments Tool, etc.

Impacts of trade cost relations on regional GDP



- -> ex-ante impact assessment of EU regional policies
- -> evaluation of the effects of RIS3 projects



JRC Support to Transnational Cooperation in the Danube Macro-region

- JRC is a partner in Danube-INCO.NET (FP7 funded project for the **EUSDR** with 19 partners from 12 countries)
- 4 partners from non-EU countries:

Ukraine - Institute of Market Problems and Economic &

Ecological Research of the National Academy of Science

Moldova - Centre of International Projects of the

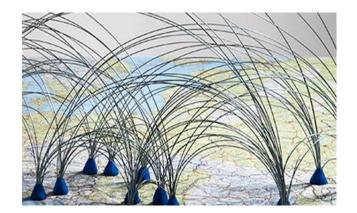
Academy of Sciences, Moldova

Serbia - Institute Mihajlo Pupin

Bosnia and Herzegovina - Ministry of Civil Affairs









Outcomes of S3 Design Learning Workshop in Chisinau

~ 80 participants from 14 countries including non-EU countries such as Ukraine, Turkey, Serbia, Montenegro, Bosnia and Hercegovina & Moldova



Workshop report "Towards Smart Specialisation in Non-EU Countries" is available **online**

Policy brief on "The Role of S3 in the EU Enlargement and Neighbourhood Policy" will be available in October 2016





JRC-IPTS Activities in Associated Countries

Danube

Danube-INCO.net

Scientific support to EUSDR

JRC E&I Action

Foresight training

Targeted support



S3 Platform Supporting Activities to UA and Enlargement/Neighbourhood Countries related to Smart Specialisation (S3)

S3 Platform through 'Smartly Specialised Danube' has been supporting transnational collaboration and mutual learning through S3 approach in the enlargement and neighbourhood countries since early 2013.

• S3 trainings in Belgrade, (RS) Skopje & Ohrid (MK) • S3 for Danube seminar S3 Peer review in Novi Sad (RS) & S3 for Danube workshop Danube-INCO.NET (FP7 funded project with JRC & UA partner)



 WS S3 design in Moldova (Feb)

> Info Day S3 in Kiev (June & Sept)

 Invitation to UA to join the S3P

 S3 training in Seville (November)

Participation Maksim Strikha, Deputy-Minister, Ministry for Education and Science





Way forward

- Facilitate alignment of roadmaps within EU macro-strategies in support of S3
- Further develop online tools for benchmarking & priority mapping
- Identifying concrete projects
- Policy support to associated countries with focus on Ukraine, Serbia and Moldova in 2016:
 - Awareness raising
 - > Training
 - Expert support
 - Active participation in selected workshops on S3
- Surveys, analyses & S3 policy briefs



S3 Beyond the EU... growing interest in...

- Norway and Switzerland (at national & regional level)
- EU Candidate and Neighbourhood countries (Serbia, Turkey, Tunisia, Moldova, Ukraine,...)
- Latin America (Chile, Brazil, Per

Australia & South Africa

frough active participation in S3

√n the S3

(E&IA) S3 related activities.

S.NET) and through the JRC

Collaboration JRC₇

JRC and the Commission related projects (FP7)
 Enlargement & Int

JRC E&IA S3-supp&

- off in 2016:
- Info days in target cour (MD 2/16; UA 9/16; RS 10/16)
- Training seminar (7-9 Nov. 2016) & Immersion stay (10-11 Nov. 2016, Seville)
- Policy roundtable at Open Evaluation Conference (Danube INCO.NET; 25 Nov. 2016, Vienna)
- Set up of expert support (1 expert per country)
- Possibly participation in EDP events of the lagging regions' project.

Thank you & stay in touch





S3 Platform webpage: http://s3platform.jrc.ec.europa.eu

Twitter: @S3Platform

