



BAK S3A: A project by

S3 implementation and the "correct" level of granularity Framework and methodology

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S3 Implementation **Contents**

Smart Specialisation Strategies
 Why is it so difficult to implement them?

• S3 2.0: ADSS

Proposal of a new process

Conclusions

S3 Implementation A definition of Smart Specialisation Strategy (S3)?

Smart Specialisation Strategy

A process aiming at transforming structures through the development and support of transformative activities. Smart Specialisation Strategy A process of transformation pursuing both goals of differentiation and specialization.

Smart Specialisation Strategy

A policy which is neither totally **top down** nor pure **bottom up**. It is rather an intermediate process aiming to enhance

entrepreneurial initiatives

and coordination within a framework structured by the government.

S3 Implementation **Properties of a Smart Specialisation Strategy**

- Stakeholder involvement
- Evidence based
- Differentiated
- Specialisation
- Making choices

- Creating new combinations
- Aiming at a structural transformation
- Flexible

→ S3 differentiates itself from other Regional Innovation Policies by making distinct choices to be differentiated and specialized for the region!



Why are Differentiation and Specialisation the key elements which makes an strategy and Smart Specialisation Strategy?

Which are the critical factors to be successful with a strategy based on differentiation and specialisation? S3 Implementation **The logic of ...**

... Differentiation

- Regions differ ...
- ... in there capacities and capabilities for innovation
- ... in there specific opportunities to change and transform structures
- ... in exposure to Global Megatrends and impact of General Purpose Technologies
- A "one size fits all" is not a promising approach in regional innovation policy

→ A regional innovation strategy makes things differently from your neighbor, it should be fairly unique amongst regions!

S3 Implementation **The logic of ...**

... Specialisation

- Geography and proximity matter
- Locational effects are at play (like agglomeration economics, economy of scale and scope, spillovers effects, ...)
- The activities have to be sufficiently numerous and closely related to achieve the necessary density

➔ For a regional Smart Specialisation Strategy concentration on a few critical domains is essential! S3 Implementation **The logic of ...**

... Differentiation...

and

... Specialisation ...

They build a dual problem that is often poorly addressed!

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S3 Implementation Stylized "typical" process to develop a S3

1. Build the evidence base

2. Develop the strategy(= make decisions about Priority Areas)

3. Develop and implement an action plan (= projects, measures, ...)

S3 Implementation Strategic decisions on Priority Areas (fictional)

Sectoral endowments

- ICT and KETs
 - Engineering / Advanced technologies
 - Life Sciences



Maritime industries





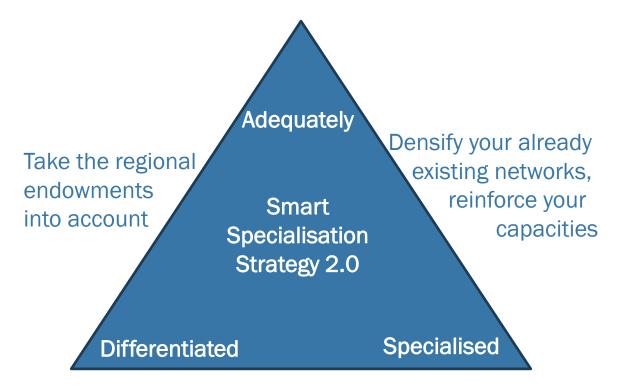
S3 Implementation Challenges in the dual problem of "differentiation" and "specialization"

Observation

Priority Areas for S3 are often chosen too broad

- Evidence gaps
- Knowledge gaps
- Organisational gaps

S3 Implementation Smart Specialisation 2.0: ADSS



S3 Implementation **Contents**

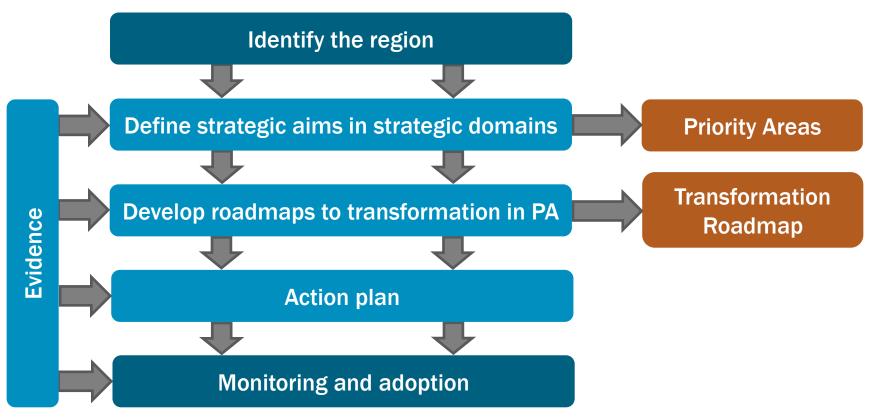
Smart Specialisation Strategies
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S3 Implementation **Proposal for a stylized process to develop a S3**



S3 Implementation
A stylized process: Rational for Strategic Aims

- Define "Strategic Aims" as ...
 - ... pre-define fields for an S3
 - ... coordination device to support the collective process
 - ... common to the understanding of all stakeholders
 - ... result of reliable quantitatively evidence
 - ... key topics for the region to be transformed
- The Priority Areas don't need to be
 - Differentiated and Specialized,
 - but they should be Adequate



S3 Implementation
A stylized process: Transformation roadmap

As next step, for each of the Priority Areas ...

... a Transformation Roadmap is developed

- The Transformation Roadmap provides the details how to achieve the transformational goals in the strategic aims building the Priority Areas
- The Transformation Roadmap will be much more detailed!
 - The Transformational Roadmap will provide the right granularity necessary to be Differentiated and Specialized

S3 Implementation A stylized process: Transformation roadmap

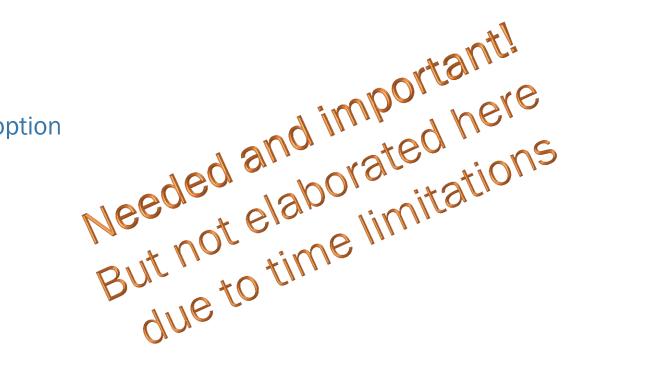
- More detailed and specific analyses can be used
- Experts in the specific fields can be involved
- Specific entrepreneurial resources must be assessed
- The Entrepreneurial Discovery Process is part of the analysis

A more bottom up process on how to reach the goals is set into action

S3 Implementation A stylized process: Further steps

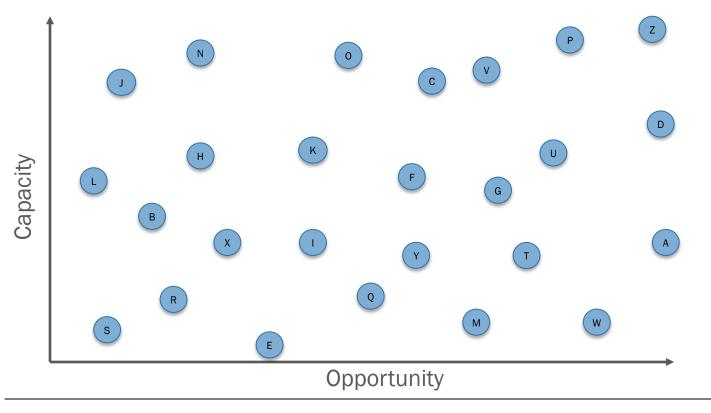
- Action plan
 - ... •
 - ...
- Monitoring and adoption

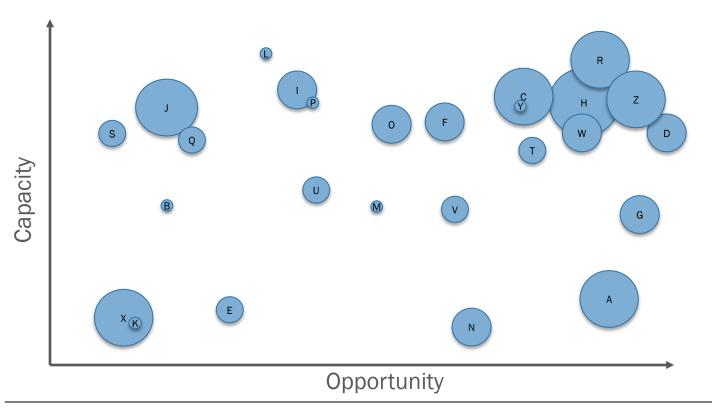


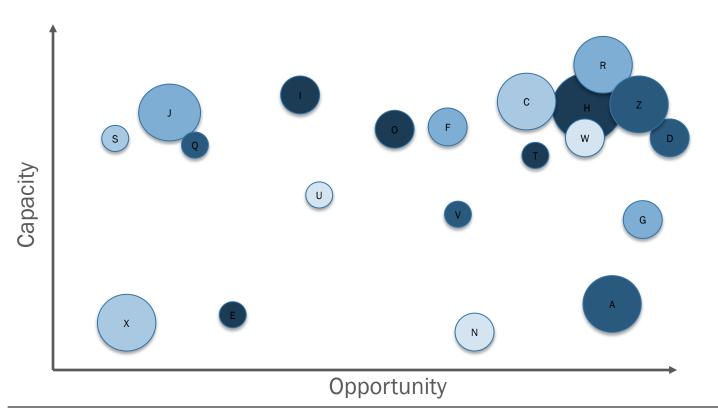


A tool proposed in building the Transformation Roadmaps

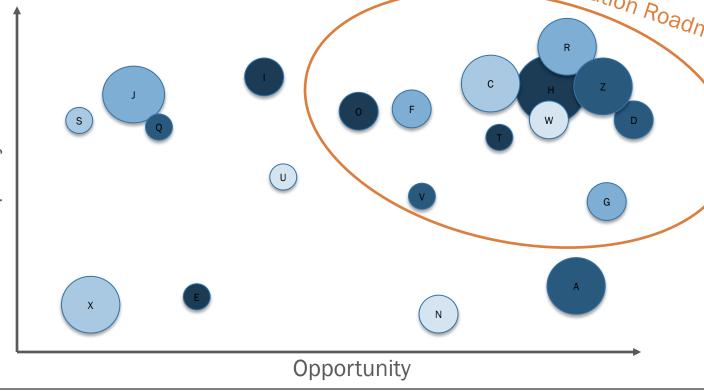
- Use existing or proposed projects to identify Transformation Roadmap within each of the Priority Areas
- To do so, a project mapping is useful
- Map projects according to relevant properties

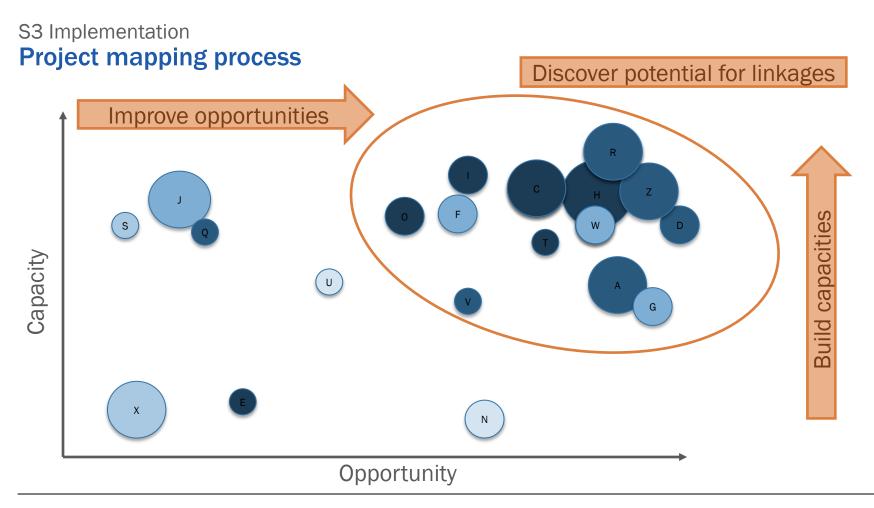


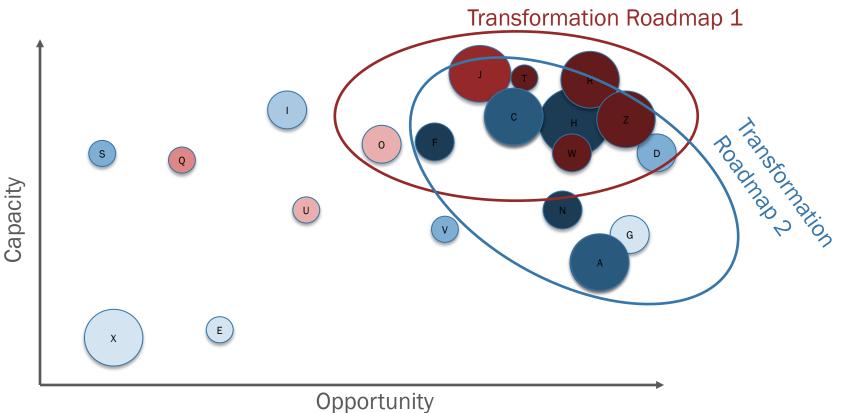




S3 Implementation **Project mapping process** Transformation Roadmap С Ζ J S W Capacity







«Transformation Roadmaps» are only proposed ...

... as long as there is no proof that

the transformation they trigger will move the Priority Areas in the direction of the Strategic Aims!

Capacity

Are the resources needed in the project available?

Opportunity

How well are latest developments – technological, megatrends, new business models, ... - taken up in the project?

Relatedness

How many "points of contact" has the project with other projects in the map?

Support of transformation

How large is the potential of the project to initialize the aspired transformative push?

S3 Implementation Summary and conclusions

- Smart Specialisation Strategies
 - "Differentiation" and "Specialisation" make the difference
 - "This dual problem is often poorly addressed
 - Consequence: Wrong level of granularity of Priority Areas
 - "Adequately" is a strong prerequisite
- S3 2.0: ADSS
 - Adequately Differentiated Specialised Strategy
 - Helps to structure the strategy development
- Proposal of a process: Two separated steps
 - First step: Strategic Aims with transformation targets build Priority Areas
 - Second step: Identifying Transformation Roadmap (for each Priority Area)
 - A "project mapping" can support the process

S3 Implementation Summery and conclusions

Actions	Granularity	Governance
Identification of	Sector level,	Public-private dialog,
a few Priority Areas	but with a transformation direction	Top-down properties,
with a direction of change	Regions can have identical choices	Evidence-based
Transformational Roadmap	Reach the right level of granularity –	Bottom up discoveries:
through project mapping	neither a sector nor an individual project; achieve Differentiation and Specialisation.	Entrepreneurial Discovery Process, Project mapping
Action Plan	Differentiation continues (on policy instruments level now); Specialisation and density are part of action plan	Strong EDP, flexibility needed due to discovery, surprises, failures

Thank you very much for your attention!



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