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Consulting & Research

Experience of Czech Republic – main findings and proposed roadmap

Drahomíra Pavelková

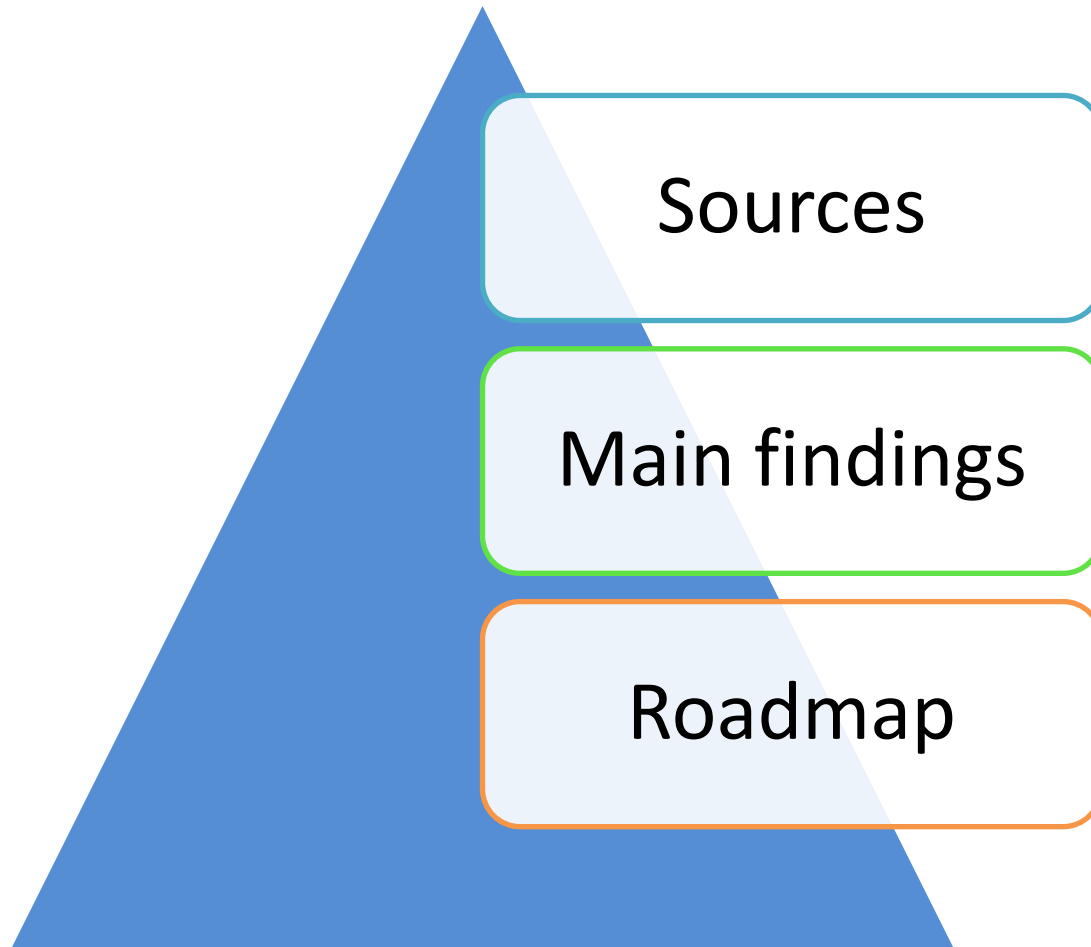
Lukáš Danko

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Project No. 22030333:

“Clusters as Platforms for B2R/R2B and R2B/B2R Collaboration in V4 Countries”

Presentation structure



National RIS3 Strategy of the Czech Republic 2021-2027

the strategy identifies
**weaknesses in the
innovation system:**

no broader base of technologically advanced companies located in the higher levels of global value chains

the country's product base is concentrated in a few sectors, which increases the vulnerability of the whole economy in the event of external shocks

the quality of public R&D still has reserves

the lack of exploitation of public R&D results for the needs of firms and society

National RIS3 Strategy of the Czech Republic 2021-2027

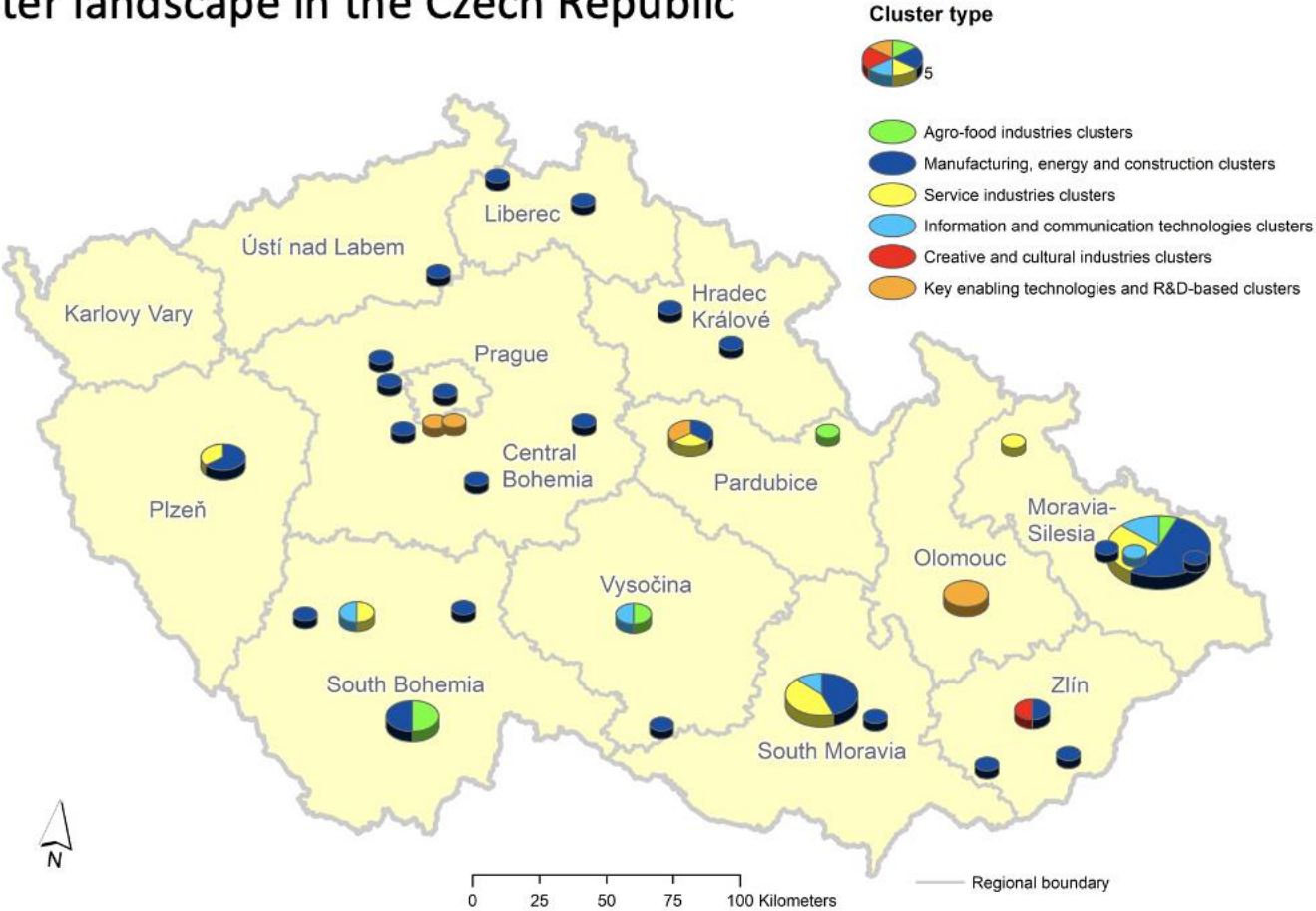
Main “motto” of National RIS3 Strategy:

“A resilient economy based on knowledge and innovation”

specific objectives defined in National RIS3 Strategy:

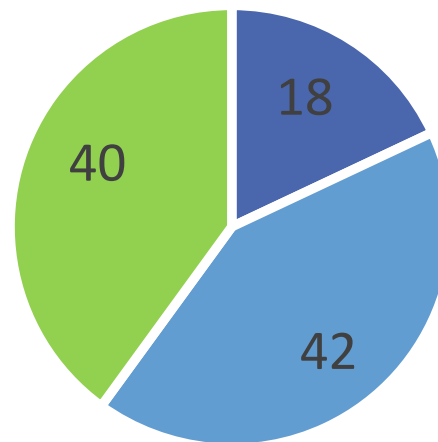
- improving **innovation ecosystems** at the national and regional level
- emphasises using such instruments and model activities as e.g.:
 - **supporting multilateral cooperation between companies**, including cooperation within clusters and technology platforms,
 - **supporting cooperation between businesses and academia**, including supporting technology transfer, supporting industrial PhDs, etc.

Cluster landscape in the Czech Republic



1st CO establishment	2003
Number of COs	57
Evaluation of COs performance	Excellent/Developed/Immature

Initiating R&D&I cooperation between firms and RO/UNIV within clusters



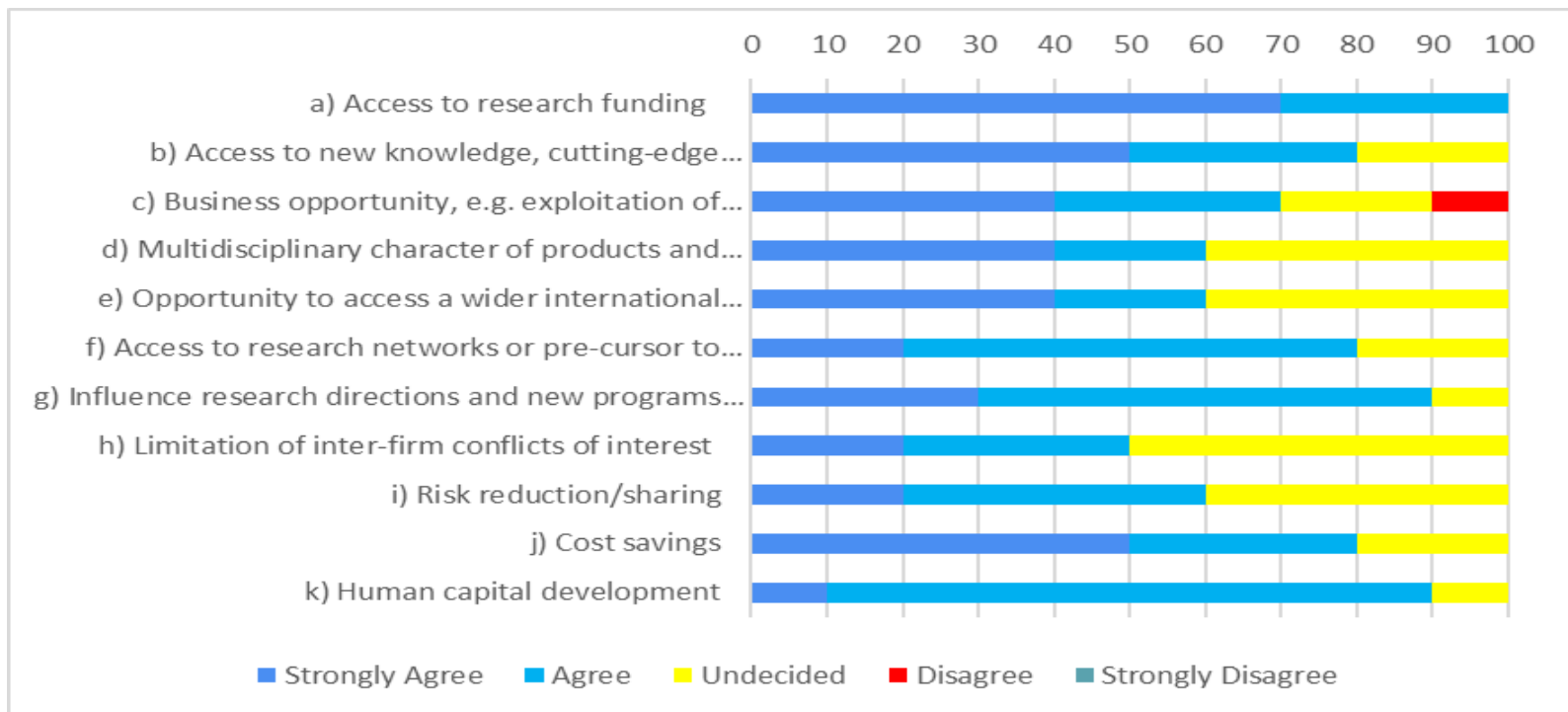
- a) RO/UNIV institutions
- b) firms-cluster members
- c) cluster management

Source: own elaboration based on interviews with cluster managers

Motives for B2R/R2B cooperation within clusters

Access to :

- research funding
- sharing and transfer of knowledge and cutting-edge technologies
- research networks
- influence research directions
- Cost savings
- Human capital development



Source: own elaboration based on interviews with cluster managers

Types of **activities** between firms and RO/UNIV

- *information exchange - meetings, participation on seminars, conferences, fairs*
- *use of RO/UNIV/industry facilities*
- *domestic/international cooperative R&D&I projects*
- *students internships and involvement in firms' projects*

Types of activities between firms and RO/UNIV	% of COs
a) information exchange forum (eg. meetings of cluster members)	100%
b) participation in seminars, conferences, exhibitions, fairs	100%
c) use of RO/UNIV/industry facility	100%
d) liaison offices (in RO/UNIV or industry)	80%
e) domestic/international cooperative R&D&I projects	70%
f) students' internships	90%
g) students' involvement in firms' projects	80%
h) staff mobility	30%

Source: own elaboration based on interviews with cluster managers

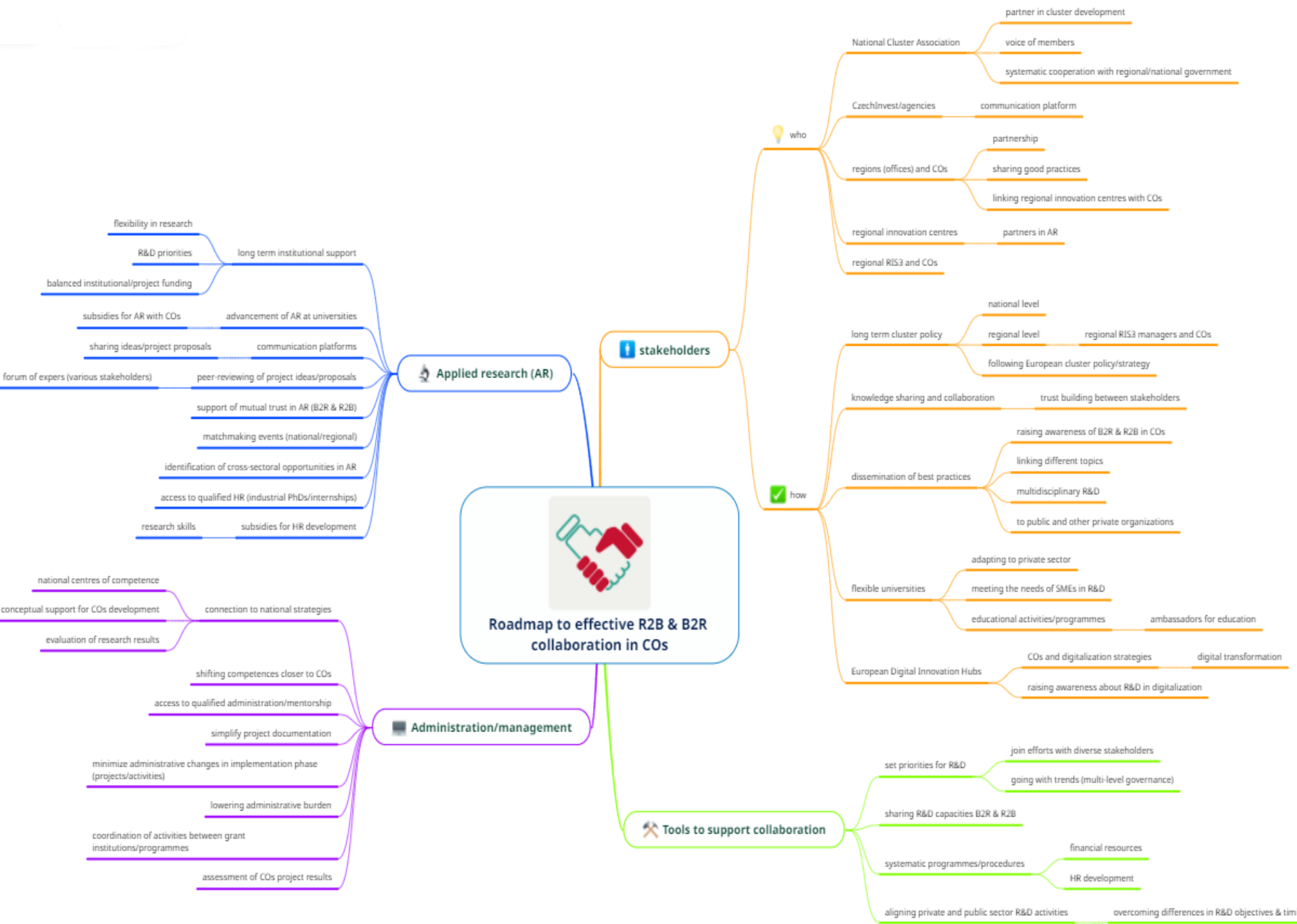
Results

Factors that enable and limit collaboration

Challenges and barriers to B2R / R2B cooperation in clusters

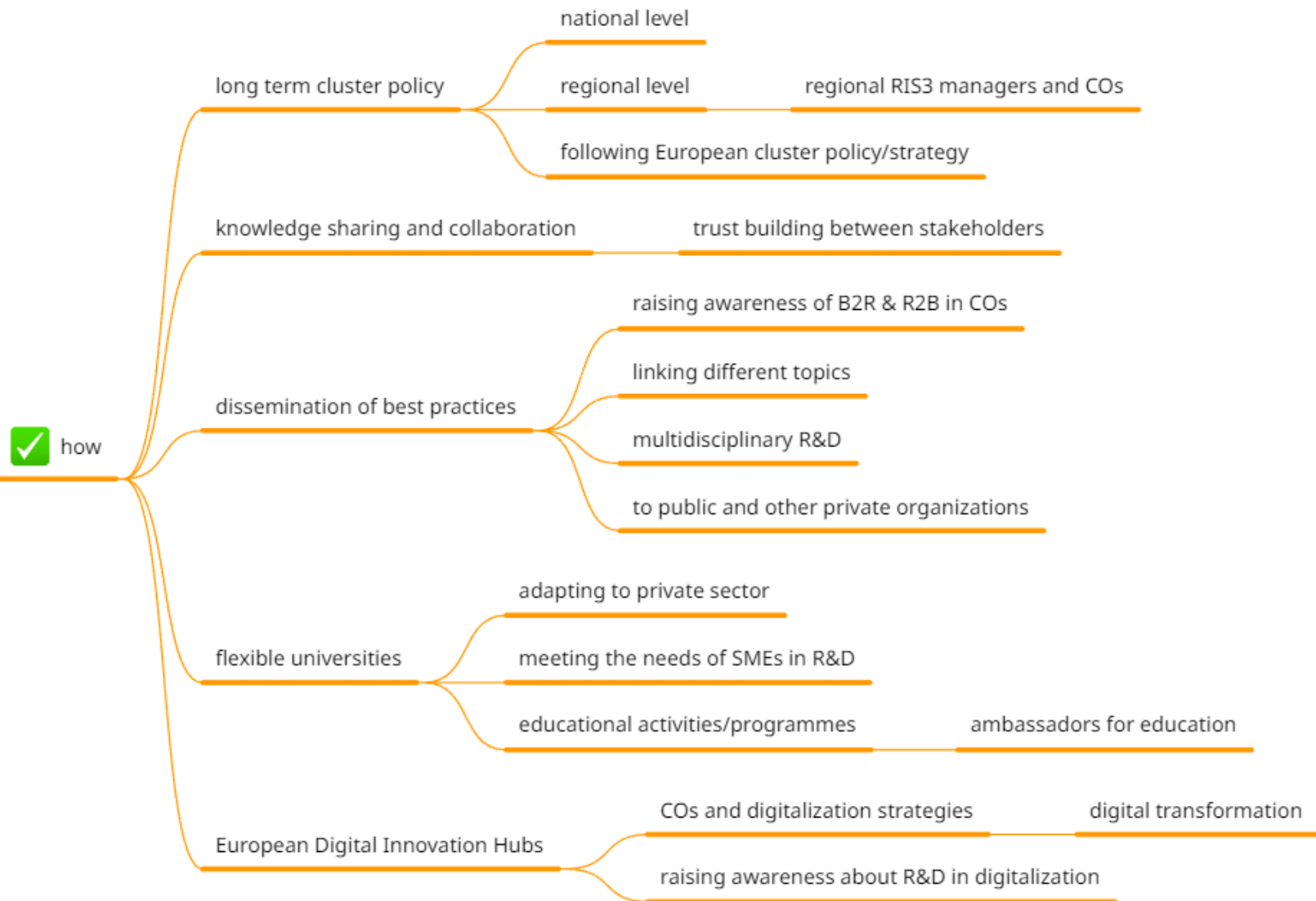
Best practices

Recommendations for the cluster policy & Roadmap





stakeholders





stakeholders



who

National Cluster Association

partner in cluster development

voice of members

systematic cooperation with regional/national government

CzechInvest/agencies

communication platform

regions (offices) and COs

partnership

sharing good practices

linking regional innovation centres with COs

regional innovation centres

partners in AR

regional RIS3 and COs



Tools to support collaboration

set priorities for R&D

join efforts with diverse stakeholders

going with trends (multi-level governance)

sharing R&D capacities B2R & R2B

systematic programmes/procedures

financial resources

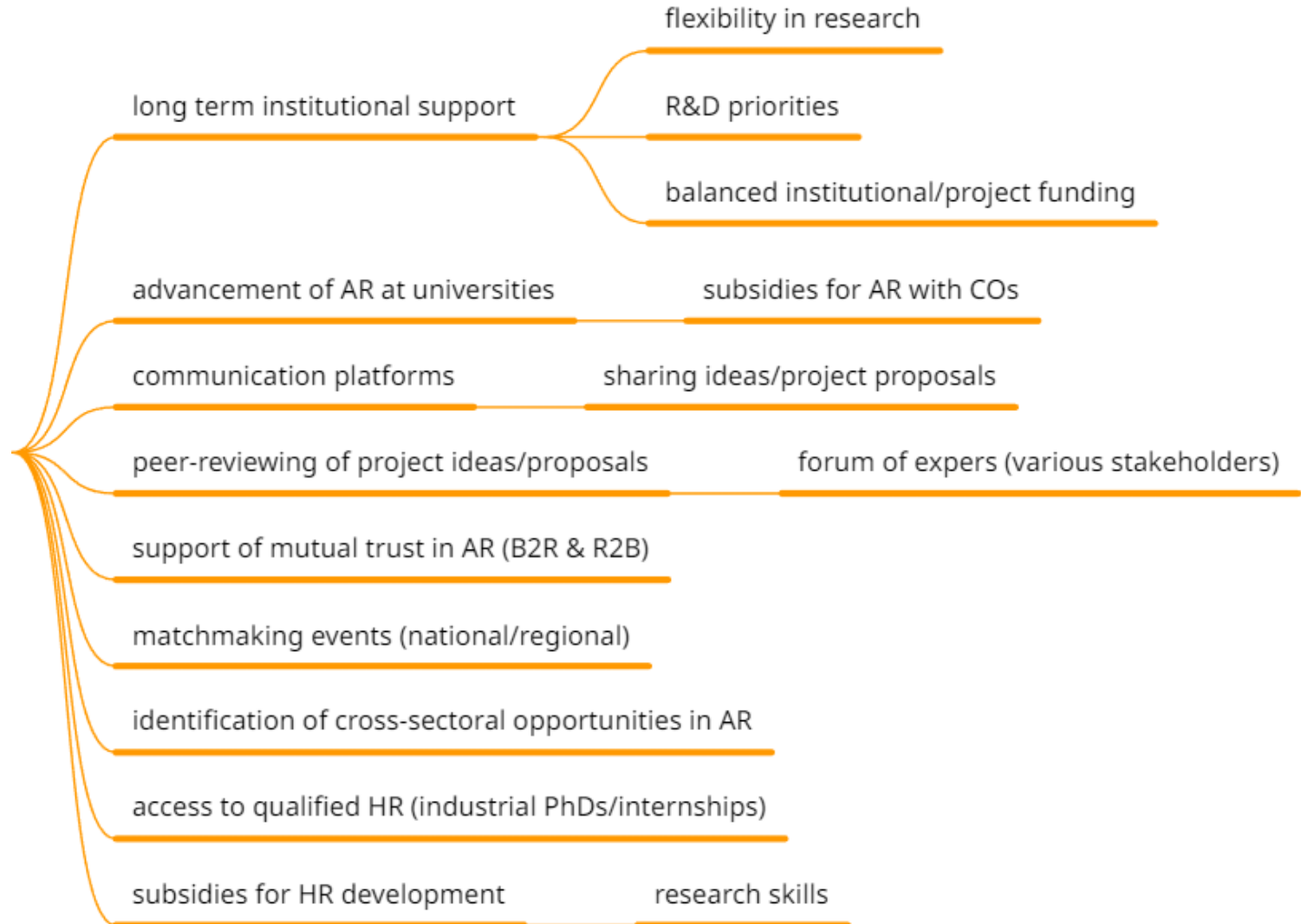
HR development

aligning private and public sector R&D activities

overcoming differences in R&D objectives & timing



Applied research (AR)





Administration/management

connection to national strategies

national centres of competence

conceptual support for COs development

evaluation of research results

shifting competences closer to COs

access to qualified administration/mentorship

simplify project documentation

minimize administrative changes in implementation phase
(projects/activities)

lowering administrative burden

coordination of activities between grant
institutions/programmes

assessment of COs project results



Roadmap to effective R2B & B2R
collaboration in COs

Thank you for your attention!

Tomas Bata University in Zlín
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