S3CN - cross-border Workshop „Cooperation Potential in the Triangle of Megatrends | SDGs | Smart Specialization"

morning presentations / part 1

Agenda

Welcome	Biz-up
S3 Couple Net – overview of the project	JVPT
Comparative analysis of S3 strategies - South Bohemia vs Upper Austria	Biz-up & JVPT
Megatrends | SDGs | S3	The Upper Austrian Future Academy
11:30 Coffee break	
Interactive part – identifying needs for cooperation	Biz-up & JVPT
12:30 Lunch	
S3 Couple Net - Cross border R&D&I services catalogue	JVPT
S3 Couple Net - Building a cross border network	Biz-up
Interreg AT-CZ Programme 2021- 2027 | opportunities for S3 objectives	Biz-up
14:15 Coffee break & 15 minutes by car to JKU – LIT Factory	
LIT Factory, Johannes Kepler University	Guided Tour by Klaus Straka

Welcome!
Herzlich Willkommen!
Vítáme vás!

Werner Pamminger
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Introduce yourself:
#name
#organization
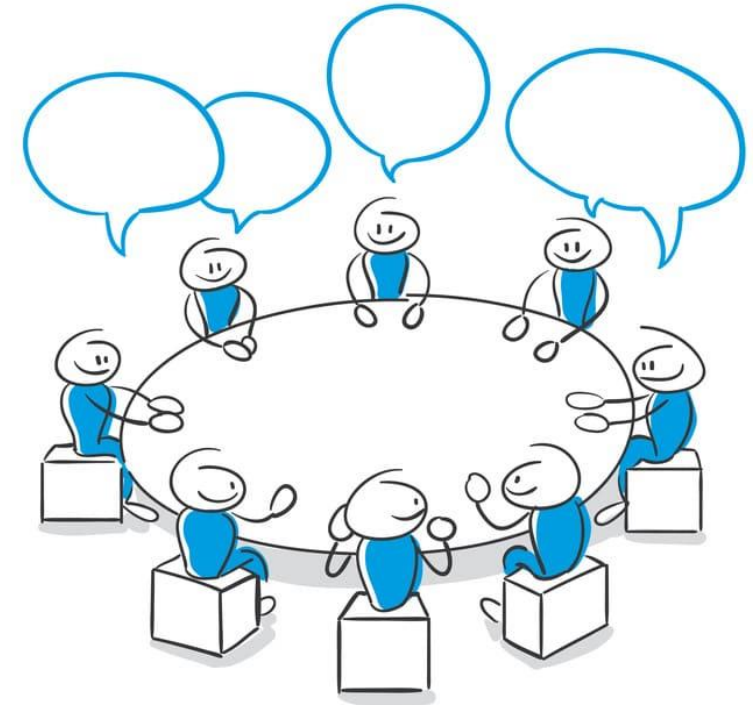
S3CN – Overview of the project

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What is S3 Couple Net?

- „Cross-border network for activating the S3 strategy of the South Bohemian Region and Upper Austria"

- Joint initiative of South Bohemian Science and Technology Park and Business Upper Austria

- RIS3 Strategy for South Bohemian region vs #upperVISION2030

- Finally, due to similar structure and methodology, it is possible to meaningfully compare the two strategies

- To identify synergies, overlaps, potential for cooperation

- 16 months (until 12/22)

Activities & Outcomes

- Research of current RDI infrastructure on both sides
- Comparison analysis of both strategies
- Activation of cross-border network (key actors, decision makers)
- Analysis of current regional supportive schemes for RDI
- Proposal for cross-border synchronization / coordination of the schemes
- RDI services interactive catalogue + S3CN website
- Indicative set of potential cross-border projects + partnership proposal

Expectations & Goals

- Platform like structure of the network
- Defined potential and pool of partners for future cross-border projects
- Mutual inspiration / know-how exchange for regional funding of RDI
- Covering for demand of RDI services
- Joint approach / mutual access to data for future update of regional strategies and policies (if needed)

What's done and what's ahead of us?

✓Research of current RDI infrastructure on both sides

✓Comparison analysis of both strategies

✓RDI services interactive catalogue

✓S3CN website

➢Activation of cross-border network (key actors, decision makers)

➢Analysis of current regional supportive schemes for RDI

➢Proposal for cross-border synchronization / coordination of the schemes

➢Indicative set of potential cross-border projects + partnership proposal

What's done and what's ahead of us?

Web: s3cn.eu

Facebook: facebook.com/S3CoupleNet

LinkedIn: linkedin.com/company/s3couplenet

Comparison of RIS3
#upperVISION2030
South Bohemian RIS3

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Introduction

- Elaboration of S3 strategies in Upper Austria and South Bohemia:
  - Historical background
  - Strategy development process
  - Description of focus topics / action fields
  - Implementation

- Comparative analysis

Introduction – Strategic Programms in the UA History

Strategic Programme OÖ 2000+
1998 - 2003
3 Strategic Fields, response to economic crisis in 1980s;
Foundation of a central economic agency, Focus on technology, professional qualification and location marketing

Strategic Programme „Innovatives OÖ 2010"
2005 – 2010
5 Strategic Fields, 43 Action Fields, stakeholder process including 250 experts;
Focus on research and development, professional qualification, clusters and networks, EU networking

Strategic Programme „Innovatives OÖ 2010plus"
2010 – 2013
5 Strategic Fields, 37 Action Fields
Follow-up of predecessor programme, similar focus areas
Research and development emphasis on Mechatronics, ICT, Life Sciences, Innovative Materials, Logistics, Renewable Energy

Strategic Programme „Innovatives OÖ 2020"
2014 – 2019
4 Strategic Fields, 5 Action Fields

#upperVISION2030
Wirtschafts- & Forschungsstrategie OÖ

Strategic framework for activities with a clear focus on a few, significant and strategic issues and fields regarding Upper Austria

Moving away from the current practice of developing a concept for the coming years and starting **an annual strategy development and implementation system**

We make a difference to the previous 5 year plans
- Create awareness among the location partners
- Work on strategic decisions, develop appropriate systems and focus on a few & relevant topics
- Ensure for alignment of location partners
- It's not about lobbying, but taking serious steps and develop measures for the region
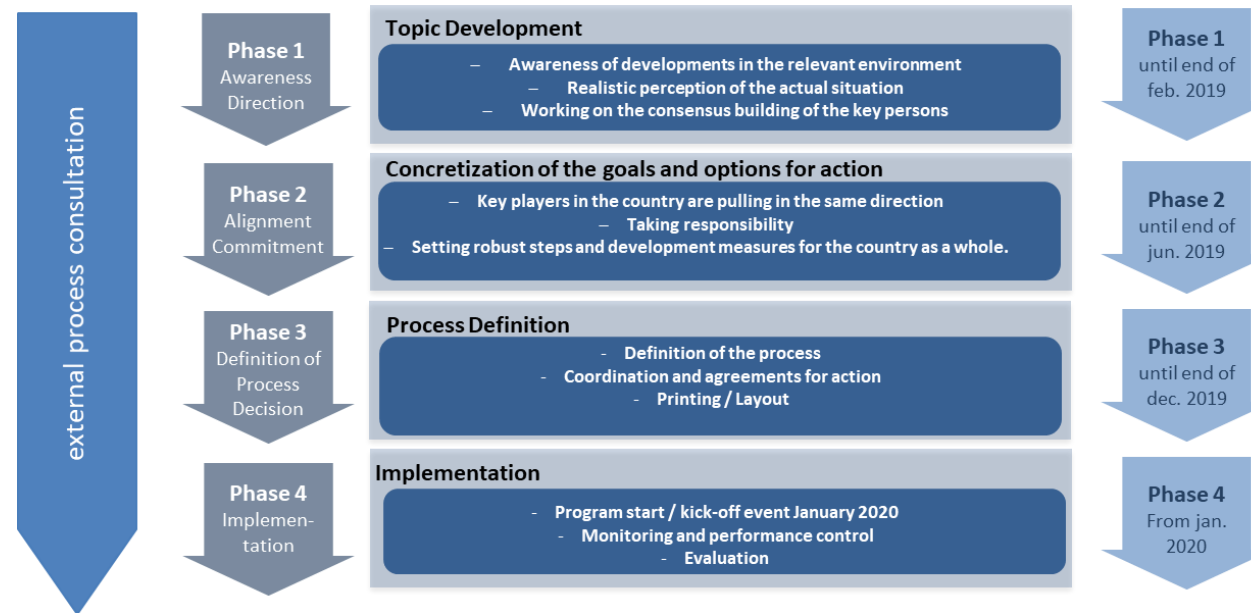
Introduction / History – Strategic Programms and RIS3

- **2008-2010: Regional innovation strategy (2008-2014)**
  - 4 priorities, 11 measures

- **06/2014: Regional Annex to the National RIS 3 (2014-2018)**
  - **3 key areas for changes (**1. Quality human resources, 2. Cooperation and technology transfer, 3. Business Development)
  - **3 domains of specialisation** (1. Biotechnology for sustainable development of society, 2. Mechanical engineering and mechatronics, 3. Electrical Engineering)

- **06/2018: Regional Annex to the National RIS 3 (2018-2021)**
  - **3 key areas for changes (**1. Quality human resources, 2. Cooperation and technology transfer, 3. Business Development)
  - **5 domains of specialisation** (1. Mechanical engineering and mechatronics, 2. electronics, electrical engineering and IT IT, 3. Biotechnology for sustainable development of society, 4. Automotive, 5. textile and clothing industry

- **06/2020: RIS3 strategy of the South Bohemian reg. (2021-27)**
  - **4 key areas for changes (**1. Quality human resources, 2. Cooperation and technology and knowledge transfer, 3. Business Development and innovations, 4. Development of digitalisation, smart solutions and Industry 4.0)
  - **5 domains of specialisation** (1. Mechanical engineering and mechatronics, 2. electronics, electrical engineering and IT IT, 3. Biotechnology for sustainable development of society, 4. Automotive, 5. textile and clothing industry

recent marketing slogan: SOUTH BOHEMIA - a place where you don't have to compromise

Development of the process #UV2030

- External experts and Upper Austrian location partners were involved in the development process.
- In total 4 external experts accompanied the process and strategy development:
  - Fraunhofer (international)
  - NAPFI 4.0 (national)
  - The Upper Austrian Future Academy (regional)
- The main consultant Trigon was responsible for designing the whole process

external process consultation

Phase 1
Awareness
Direction

Topic Development
- Awareness of developments in the relevant environment
- Realistic perception of the actual situation
- Working on the consensus building of the key persons

Phase 1
until end of
feb. 2019

Phase 2
Alignment
Commitment

Concretization of the goals and options for action
- Key players in the country are pulling in the same direction
- Taking responsibility
- Setting robust steps and development measures for the country as a whole.

Phase 2
until end of
jun. 2019

Phase 3
Definition of
Process
Decision

Process Definition
- Definition of the process
- Coordination and agreements for action
- Printing / Layout

Phase 3
until end of
dec. 2019

Phase 4
Implemen-
tation

Implementation
- Program start / kick-off event January 2020
- Monitoring and performance control
- Evaluation

Phase 4
From jan.
2020

15

Development of the process #UV2030

- Analysis of 61 trends: Relevance for Upper Austria
  - Prioritization by location partner
- Selection of 21 trends / analysis of the environment:
  - Validation of trends by facts and statistics
  - Identification of competences, technologies and potential for Upper Austria
- Conversion of 10 selected trends as a basis for future scenarios
  - Validation of trends by Upper Austrian dedicated facts and figures
  - Development of future regional scenarios
  - Evaluation of specific regional challenges and derivation of robust topics
- Transfer into 4 action fields
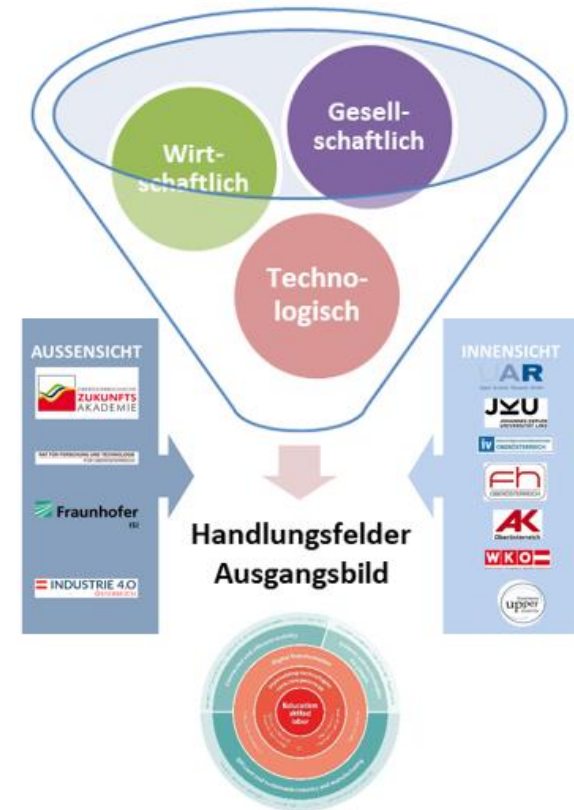
Digitalisation / Digital Transformation

Connected & efficient Mobility

Systems & Technologies for People

Efficient & sustainable Industry and Manufacturing

Development of the process RIS3 SB

- **Relevant strategic documents at the regional level**
  - Development program of the South Bohemian region 2021-2027
    - Priority Axis 1: Smart region and competitive regional economy
    - SG No. 1.1: Support and development of smart solutions in public administration
    - SG No. 1.2: Regional competitiveness and support of business activities
    - SG No. 1.3: Creating conditions for the educational economy, science, research and innovation
    - SG 1.4: Territorially balanced development and support of traditional industries
    - Innovation in the each individual priority axes
- Strategic plan of the Smart Region in the South Bohemian Region
  - Topics: Mobility, Digitization, Energy, Environment, Health and social services, Increasing the competitiveness of the region
  - Strategic plans at the municipality level (several)
- Development strategies of university, colleges and research organisations

Content - #UV2030 Action Fields

- Digital Transformation
  - Includes almost all areas of life and is an enabler/basis for the further development of the latest technologies
  - Significant influence on the Upper Austrian economy and industry
  - Data-based decisions are becoming more important in companies

- Systems & Technologies for People
  - The lack of specialists and the demographic development are constraining the further development of the location Upper Austria
  - allow people to participate actively in their familiar environment for a longer period of time and will affect our future in different areas like economy, industry, medicine, mobility and private demands

- Efficient & sustainable Industry and Manufacturing
  - Politically defined targets are highly relevant for UA
  - Circular economy makes a significant contribution to a CO2-reduced economy
  - Renewable energy plays an essential role for the economy in the region and is at the same time a key factor for a competitive reduction in the consumption of fossil fuels by the energy-intensive industry

- Connected & efficient Mobility
  - structural change in the mobility sector has a significant influence on the Upper Austrian economy and location
  - Developments in the area of the powertrain will lead to serious shifts in the existing value chains
  - innovative mobility services will gain more importance

- **The importance and use of the S3 strategy**
  - 1 national strategy (approved 01/2021) + 14 regional annexes
  - Basic condition for funding under EU research, development and innovation (R & D & I) policy
  - € 4.7 billion of EU funds in the period 2021-2027 through the RIS3 strategy in the Czech republic

- **Domains of specialisation in the SB region:**
  - Mechanical engineering and mechatronics
  - Electronics, electrical engineering and IT
  - Biotechnology for the sustainable development of society
  - Automotive
  - Textile and clothing industry

  Linkage to domains of specialization of National RIS3

- **National domains of specialisation:**
  - Advanced materials, technologies and systems
  - Digitization and automation of production technologies
  - Electronics and digital technologies
  - Ecological transport
  - Technologically advanced and safe transport
  - Advanced medicine and drugs
  - Cultural and creative industries as a tool for accelerating the socio-economic development of the Czech Republic
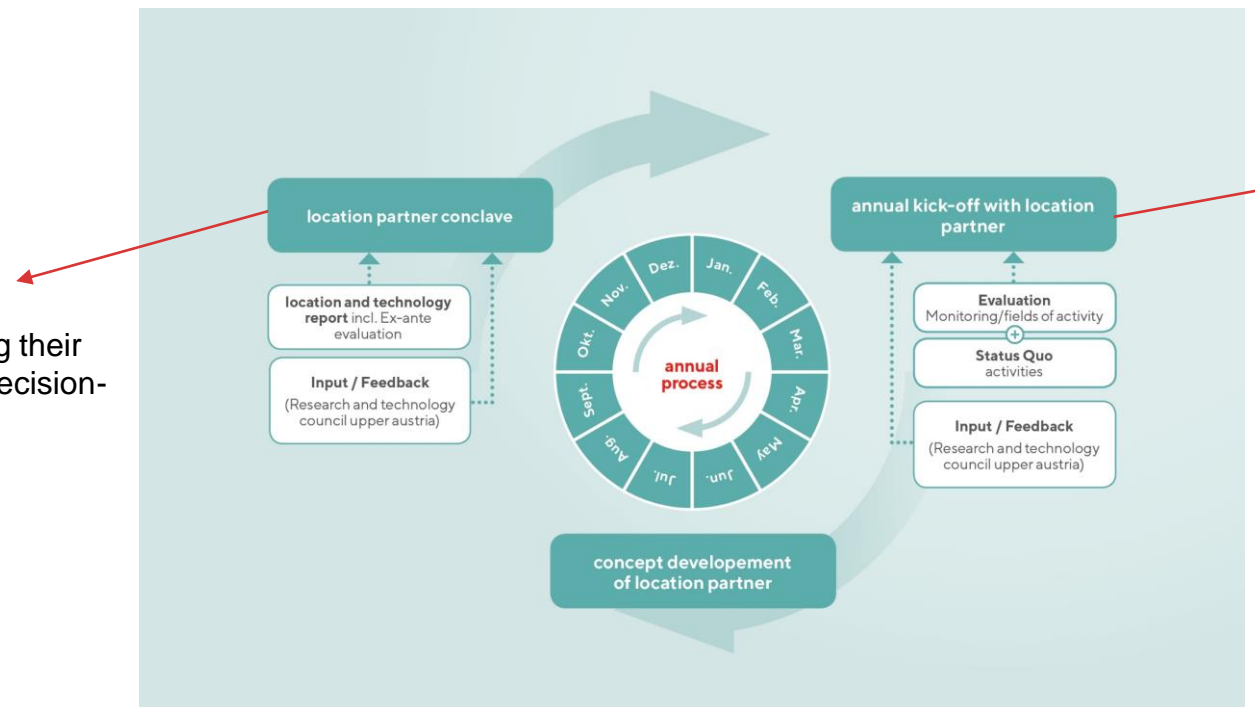 - Green technologies, bio-economics and sustainable food resources
  - Smart cities

Implementation #UV2030

- Annual process is stable and repeated every year
  - Start: Kick-off with location partners (Input: Monitoring data of the previous year, Focus topics, Feedback other location partners
  - Concept development and definition of final activities for the next years
  - Finalizing program book (includes activities of location partners) and location report (includes economic data and monitoring data of #UV2030)
  - Location partner conclave (also called strategic meeting with the steering group)

Operational Group:
nominated persons from steering group → the operational group develops strategic activities for each action field; representatives of the steering group members

Steering Group:
Establishes commitment regarding their concepts; final coordination and decision-making authority on the defined milestones and agreements

Location partners #UV2030

- Who are the so-called "location partners"?
  - Johannes Kepler University – JKU
  - University of Applied Sciences – FH OÖ
  - Upper Austrian Research – UAR
  - The Federation of Upper Austrian Industries (IV – Industriellenvereinigung OÖ)
  - Upper Austrian Chamber of Commerce (WKOÖ – Wirtschaftskammer OÖ)
  - Upper Austrian Chamber of Labor (AKOÖ - Arbeiterkammer OÖ)
  - Business Upper Austria - Upper Austrian government's location agency
  - Council for Research and Technology Upper Austria

Implementation and monitoring - SB
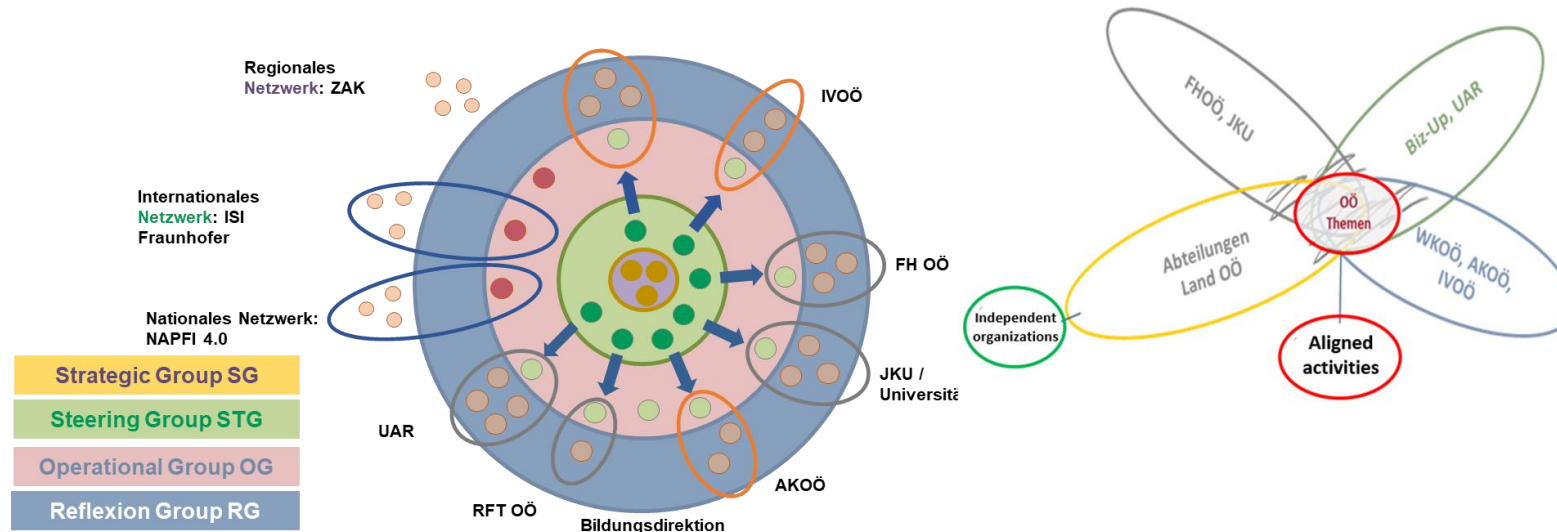
Smart Accelerator 2 in the South Bohemian region 2 (project team) - operative
- system project (implemented in all regions)
- connecting stakeholders, their activities, projects and support tools focused on the development of innovation and creating an effective innovation system of the region

Innovation Commission (appointed by the Regional Council) – 2x a year
- advisory body of the South Bohemian Region Council in the field of support for innovative entrepreneurship, science and research
- coordination of the preparation and implementation of RIS3 strategy, management of action plan

Subjects implementing strategic projects (included in AP RIS3) - operative
- the most important level of strategy fulfilment
- action plan of RIS3 strategy

Regional innovation platforms – 2x a year
- South Bohemian Employment Pact
- Commission Smart Region South Bohemia
- JAIP (Board of Consultants)
- Association for bioecomomy and circular economy (from 09/2020)
- South Bohemian Digi Hub (from 06/2021)

RIS3 strategy update (2023) - update of analytical inputs, revision of domains of specialisation, revision of the overall focus of the strategy

Comparative Analysis

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Comparative Analysis

Comparative analysis of S3 abstracts of the strategies of UA and the SB

- Elaborated by: RERA a.s., March 2022
- Supporting documents: abstracts of both strategic documents

Topics of the comparsion - content:

- Strategy development process
- Comparison of structures and role of key actors
- Comparison of content and S3 strategy focus
- Comparison of the process of implementation and monitoring
- Starting points, potential and synergies for cooperation
- Conclusions

Comparative Analysis – proposals/conclusions

- **Continue the cooperation whose basic parameters are set by the S3 CN project**
  - further maintenance of project outputs, exchange of experience a information
  - follow-up project(s)?

- **To link more intensively the sub-implementation structures of the S3 strategies**
  - reciprocal participation in relevant meetings within the implementation of S3 strategies
  - cooperation between the structures existing within the ERDV

- **Further develop existing or emerging cooperation networks and projects**
  - Further development of the cooperation networks established in Interreg projects (e.g. AI, VR/AR)
  - follow-up project(s)?

- **Promote entrepreneurship, innovation and healthy competition in a cross-border dimension**
  - cross-border competitions (e.g. Czech-Austrian "Cross-Border Idea & Start-up Contest")
  - cross-border hackathons, start-up camps, presentations of innovative business ideas

Comparative Analysis – proposals/conclusions

- **Contribute through activities linked to S3 to address societal challenges and global megatrends**
  - digitalisation, automation, AI….but also: poverty and inequalities, energy resources, climate change…
  - joint cross-border projects

- **Support trilateral cooperation on the regions of SB, UA and Bavaria**
  - The S3 strategy of Bavaria (ICT, efficient production technologies, mechatronics, automation and robotics, biotechnology and systems biology, new and intelligent materials, nanotechnology and microtechnology)
  - Emerging thematic networks (Open Data or cultural and creative industries) – follow-up project(s)?

- **Promote more awareness raising and popularisation of topics related to the S3 strategies and their objectives**
  - e.g. joint workshops, conferences, working groups and other forms of networking

- **In addition to cross-border cooperation, encourage greater regional involvement in international activities**
  - e.g., participation in S3 platforms at EU level, international projects (Interreg, Horizon Europe etc.)

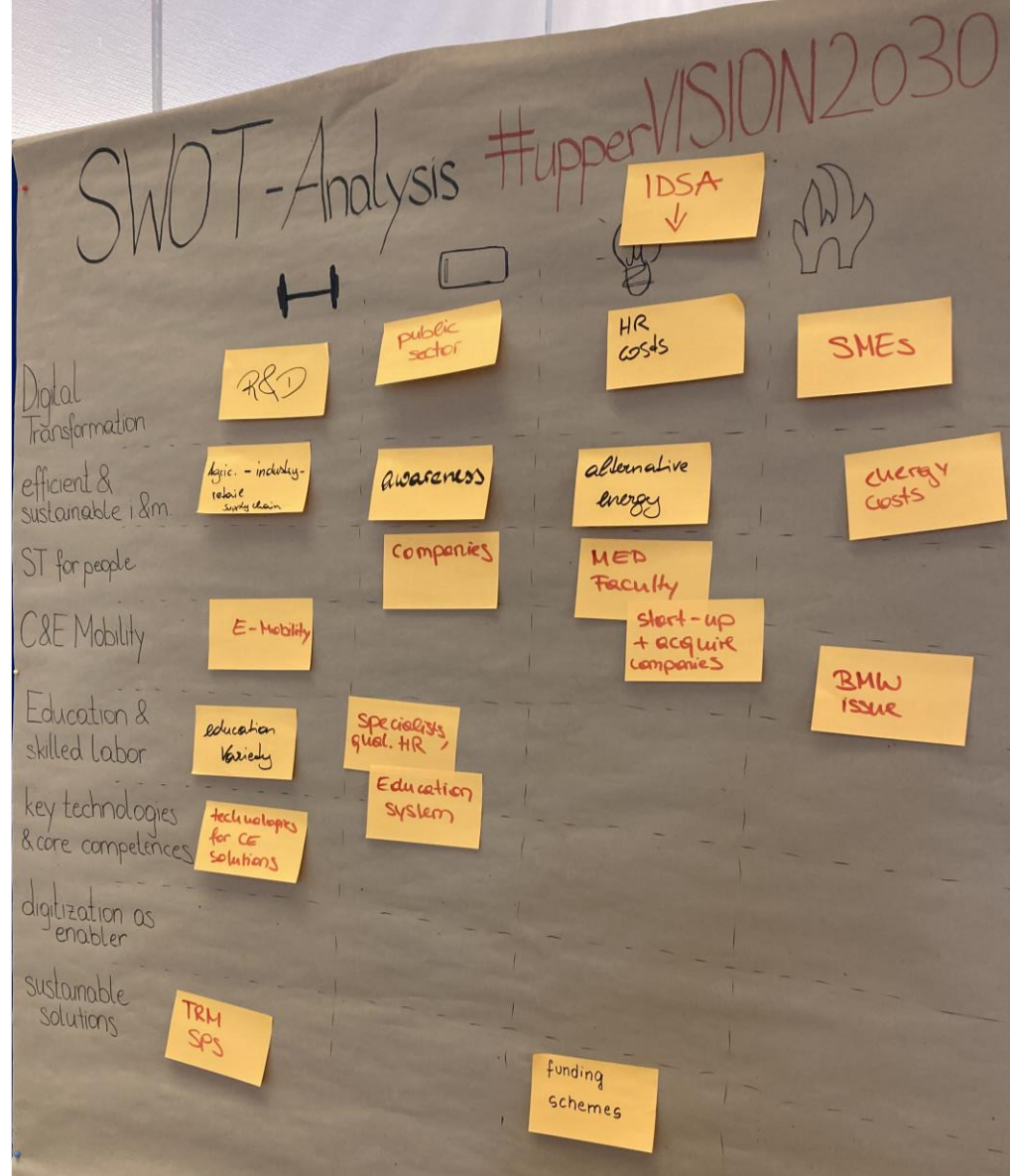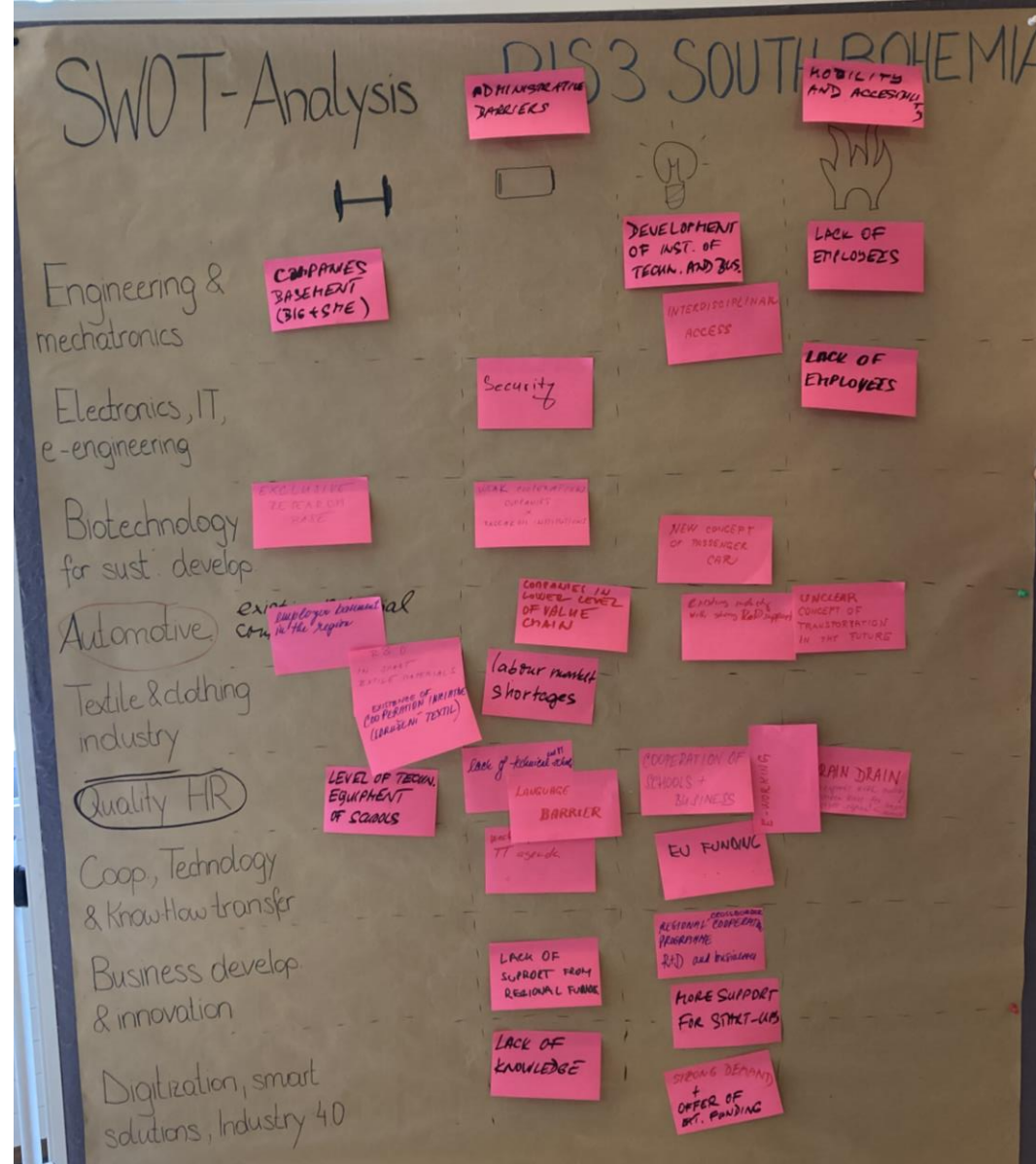# Interactive Part – identifying needs for cooperation
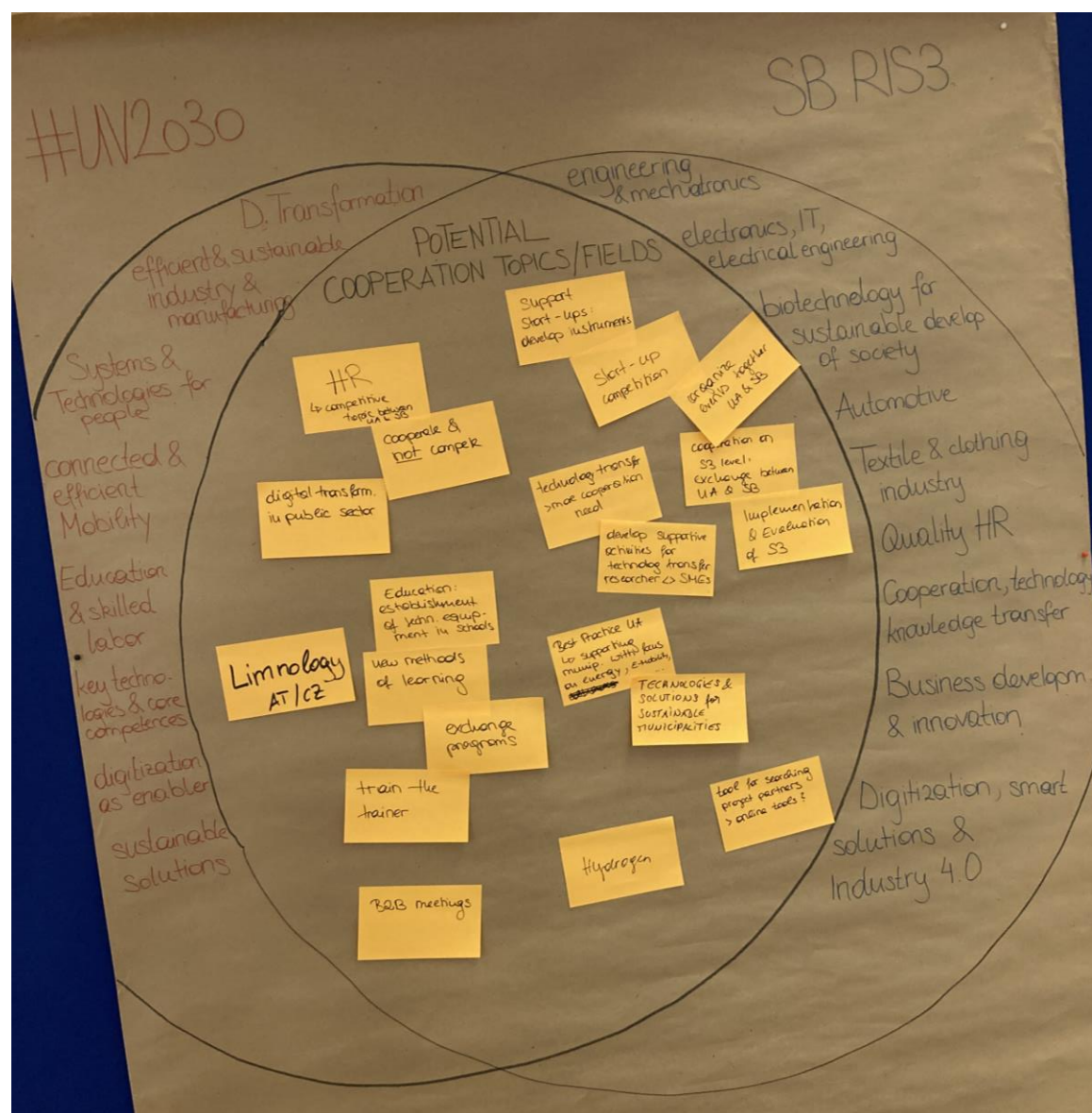
1. SWOT Analysis

2. Brainstorming – cooperation fields
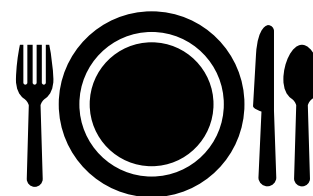
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SWOT Analysis
#upperVISION2030

SWOT Analysis
South Bohemia RIS3

Potential Cooperation Topics & Fields

Lunch
60 min