UPPER AUSTRIA

| INNOVATIVE

| NETWORKED

| SUCCESSFUL

Upper Austria in the heart of Europe

Munich – Linz   2h 45 min

Passau – Linz   1h 20 min

Salzburg – Linz   1h 15 min

Vienna – Linz   2h

Prague – Linz   3h
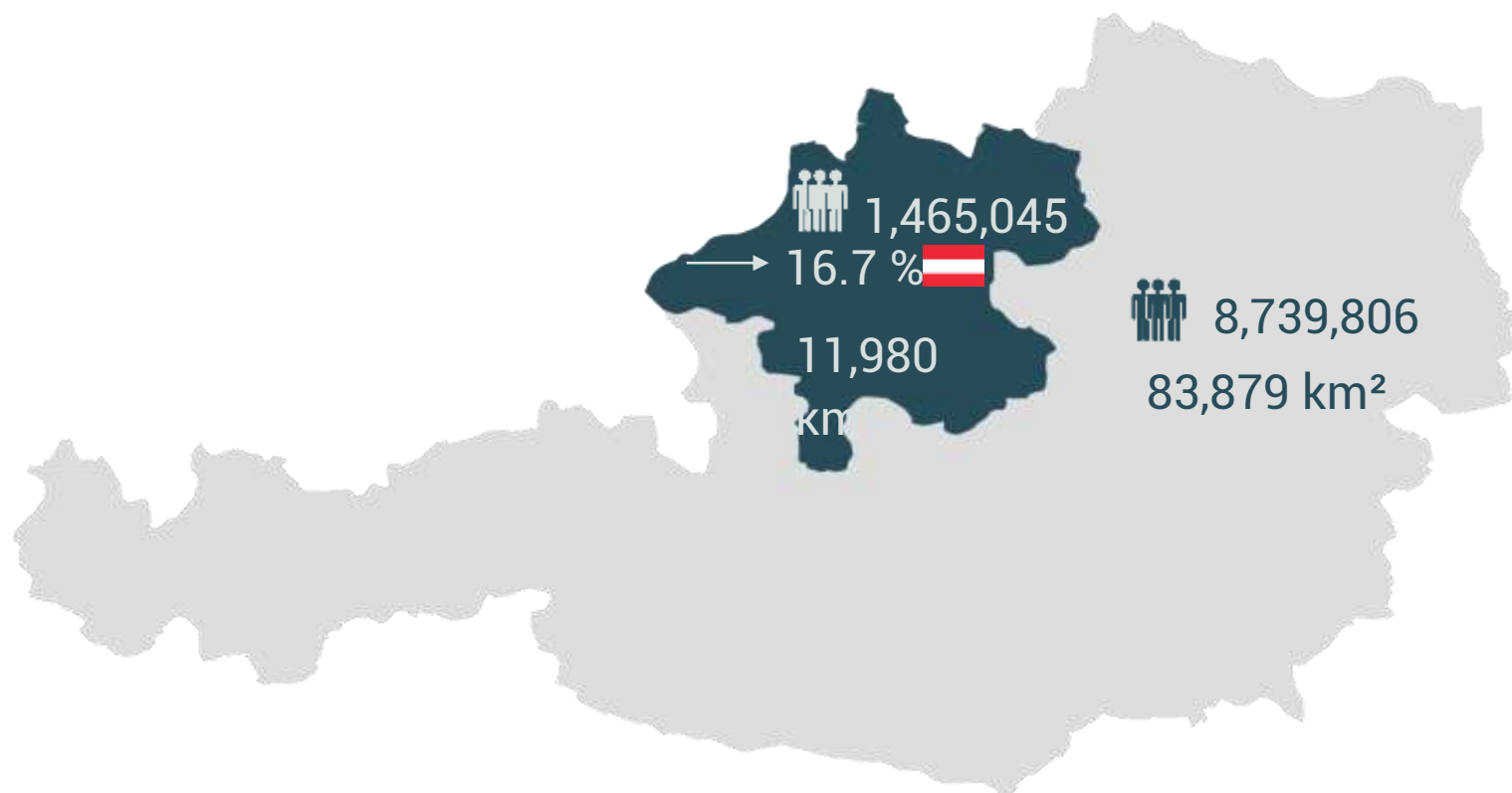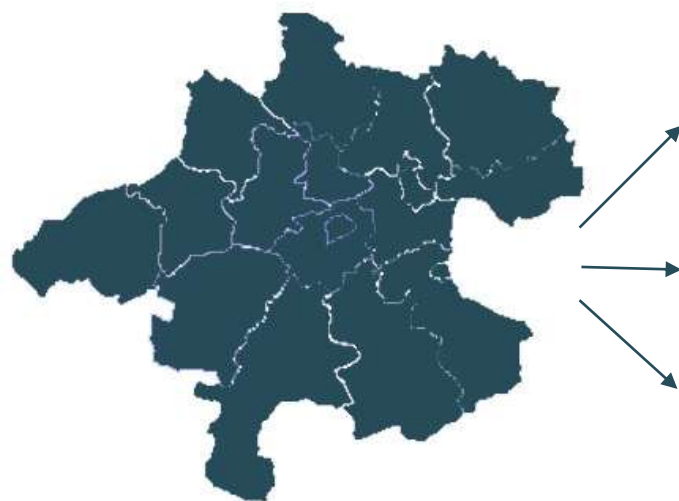
A leading technology location

with major industrial companies and innovative SMEs

A leading technology location

1,465,045
16.7 %
11,980 km

8,739,806
83,879 km²

A leading technology location

28 % → Austria's top industrial region

25.9 % → No. 1 export region

18 % of Austrian gross value added

A leading technology location

GDP

€ 63,075 million

€ 42,935 per capita

Annual economic growth

3.3 %

2.9 %

Competence in areas of strength

Mechanical engineering and mechatronics

Training

FH   HTL

▎ Development of mechatronic systems

▎ Service innovations

▎ Fourth industrial revolution / Production

▎ Young People in Technology initiative

▎ Silicon Austria Lab (high-frequency technology research laboratory)

Mechanical engineering and mechatronics

Upper Austrian companies
in this field

Mobility

Connected Mobility Initiative

DigiTrans

Test locations

Linz   Enns

Efficient mobility   A2LT

Lightweight technology

Austrian Advanced Lightweight Technology

▌Combines the competences of both companies and research bodies in the lightweight technology field

▌Cross-sector and cross-border

Study courses at the JKU and Wels School of Applied Sciences

11

Plastics

220

€ 7.6 bn sales revenues

50 % of total Austrian plastics industry sales

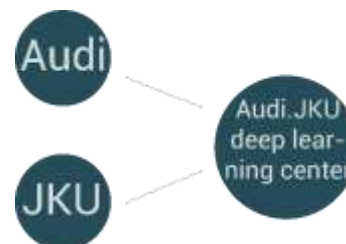High-potential training and careers area

Smart Plastics Initiative

ICT and digitization

Digitization flagship initiative

Artificial intelligence

Digital region

Examples of Digitalisation activities in Upper Austria

- Flagship initiative for digitalisation (LID)
- DESI
- Maturity modell for Industry 4.0

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Flagship initiative for digitisation (LID)

Duration: 1.3.2017 - 28.02.2020

Last update: 07.05.2018

Key points of the flagship initiative for digitisation

- **20 point action plan** that makes the Upper Austrian economy fit for the digital future.

- **€ 22.035 million budget in 2018** for the entire flagship initiative on digitisation.

- **Business Upper Austria** is responsible for the **overall coordination** of the 20 projects (excluding broadband).

- The **projects of Business Upper Austria** as part of the flagship initiative for digitisation (budget and content) follow a three-year plan with a **total budget of 1.5 million euros**.

Project overview 1/2

Analysis and Awareness	Structures and consulting services	Direct services for companies

1: Broadband expansion Upper Austria

infrastructure

2: Upper Austrian DESI	4: Information Security Network	10: Focus of consulting on digitalisation
	3: Coordination Office for Digitisation	8: CKP program
16: Information / Communication	7: Extension of the maturity model	9: Innovation Assistance Program: Focus on Digitalization
	5: Priority setting in the clusters	11: Tenders for Digital Transformation
	15: Accellerator Hagenberg	12: Follow-up funding to aws proTrans
	14: MidTech Initiative - Digital	13: High Tech Fond - Digital
	6: Co-Working in the Upper Austrian Technology Centres	

economy

Project overview 2/2

Analysis and Awareness	Structures and consulting services	Direct services for companies
		17: QV - Qualification Network Digital
18: Go Digital! Education, work, future in the digital region Upper Austria		

labor market

| | 19: Digital Coaching | |
| | 20: Smart data in tourism | |

tourist industry

Examples of Digitalisation activities in Upper Austria

- Flagship initiative for digitalisation (LID)
- DESI
- Maturity modell for Industry 4.0

Upper Austrian DESI 2017

innovation is our business.

The 5 dimensions of DESI

- connectivity
- Human capital
- Internet-usage of households
- Integration of digital technologies in enterprises
- Digital public services

... with a total of 25 indicators (EU DESI: 31)

Upper Austria vs. Austria

Abbildung 2: OÖ-DESI 2017 Scores für Oberösterreich relativ zu Österreich
Österreich = 1
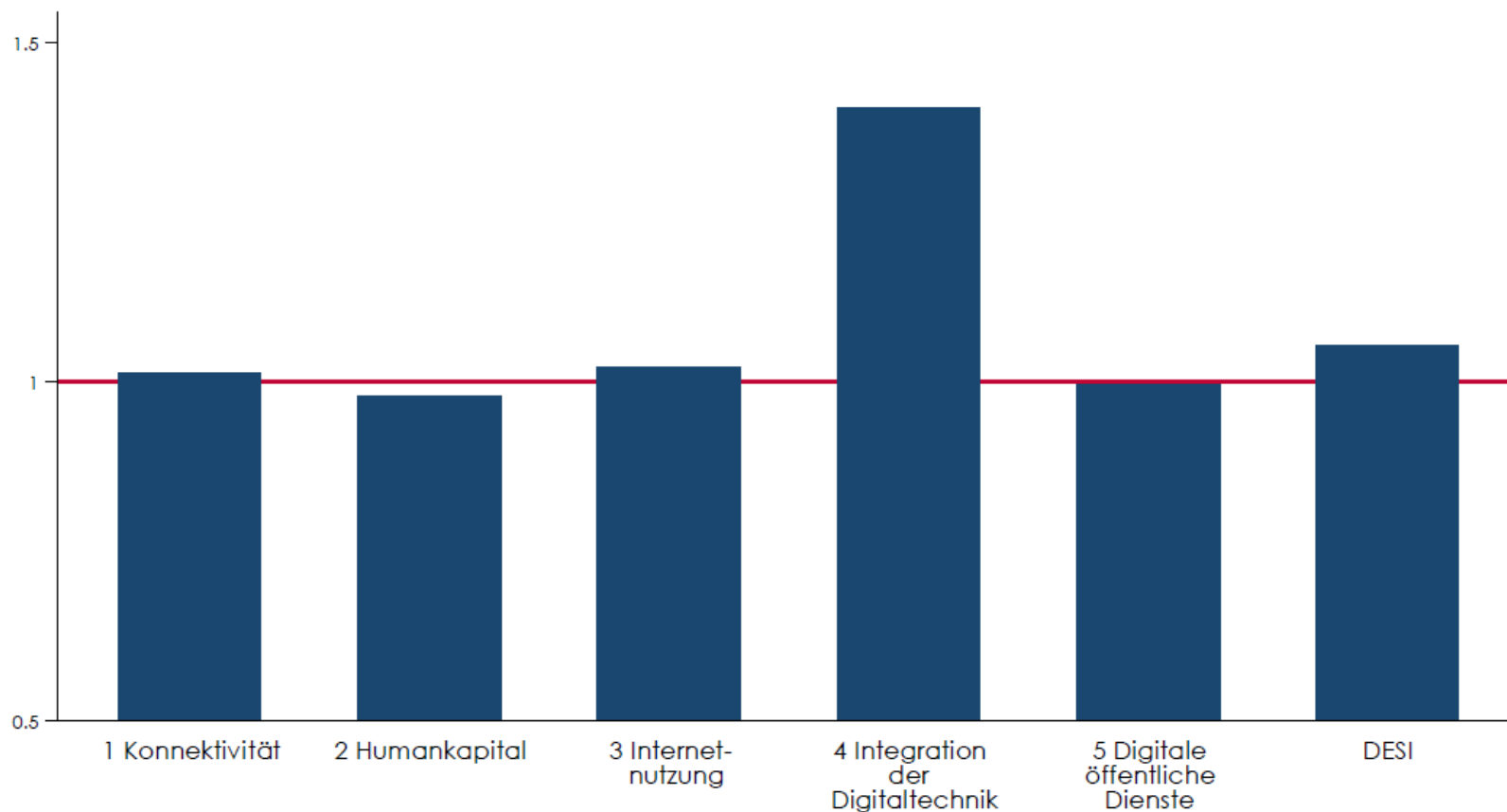
DESI ranking incluing Upper Austria
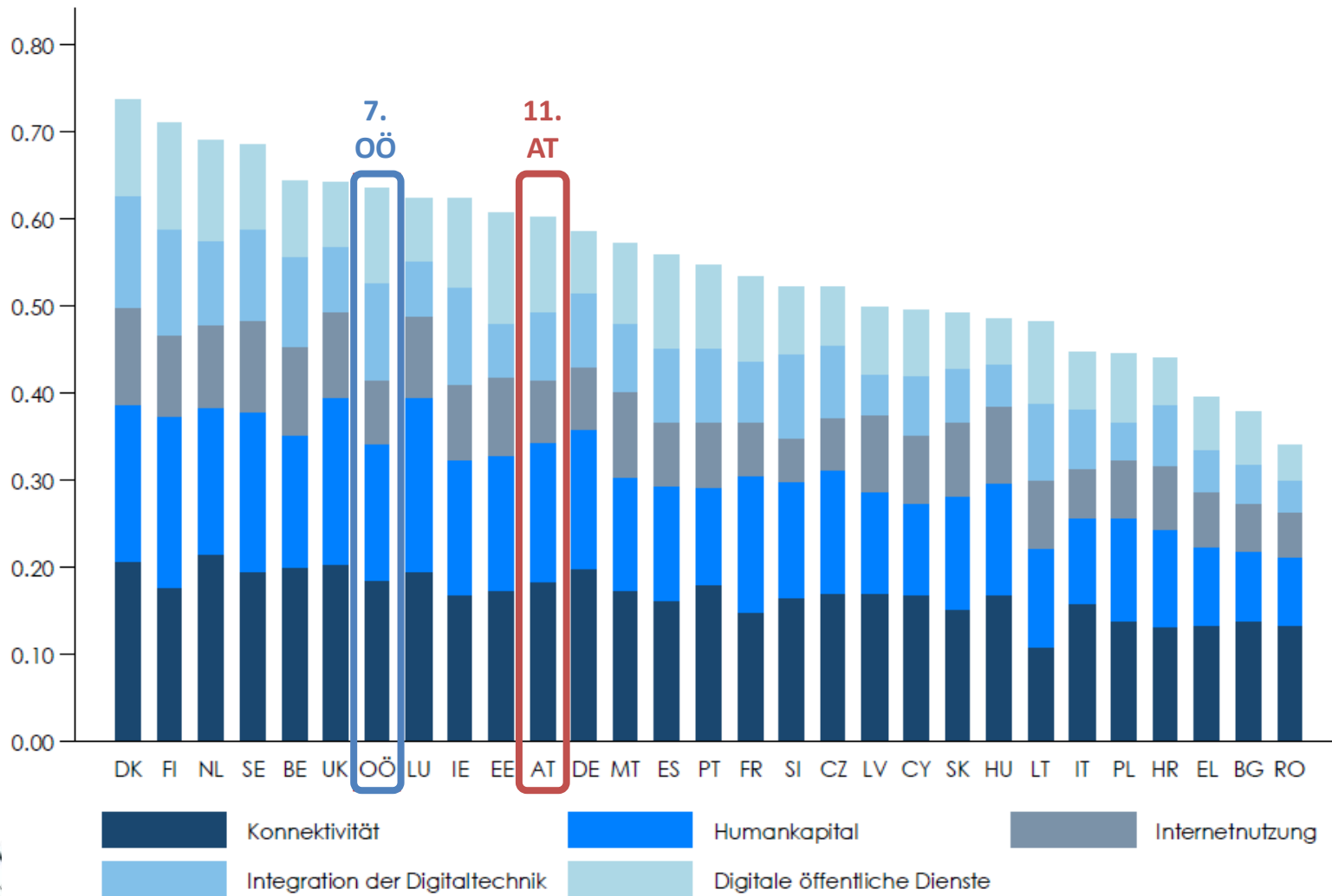
Examples of Digitalisation activities in Upper Austria

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Maturity Modell

Making Advanced manufacturing measurable

Maturity Modell – 3 Steps

Start-Workshop

- Formulating the strategy and objectives of the company
- Definition of application fields and units
- Definition of the interview partners and the timetable

Evaluation

- Interviews
- Assessment of the current maturity level
- Definition of the target maturity level
- Derivation of projects

Result-Workshop

- Presentation of the results from the assessment
- Presentation of the target maturity level and the project proposals
- Suggestions for implementation

The Maturity Model process
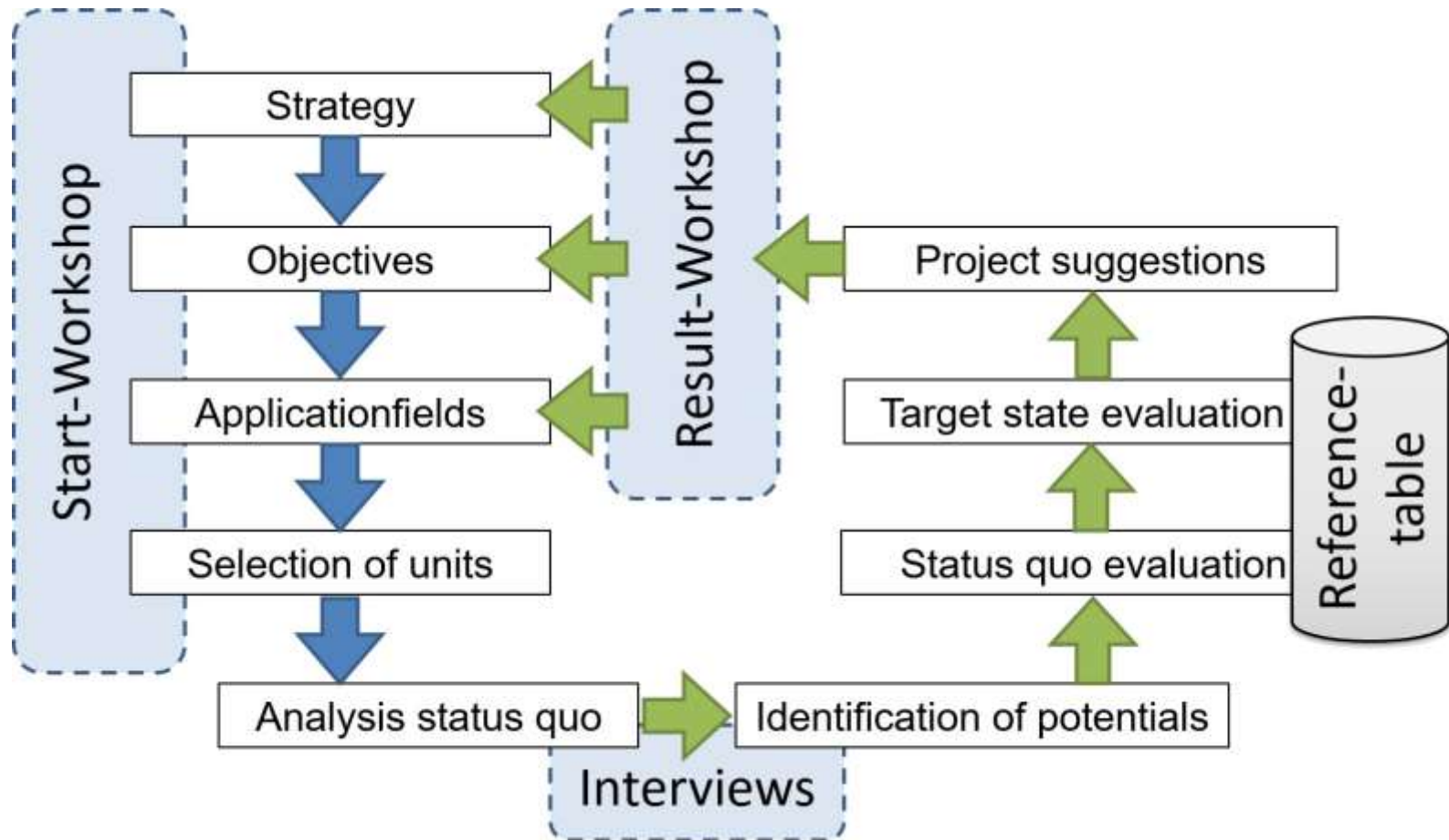
Assessment
Maturity Modell

➤ The **evaluation takes place in 3 dimensions**

  ➤ Data Management

  ➤ Smart Factory

  ➤ Digital Transformation

➤ **24 sub-criteria**
  will be evaluated based on a scale from
  0-10. Reference tables provides
  assistance for the Assessment**.**

➤ A **Benchmark database on Industry 4.0** will be build up through
  the evaluations!
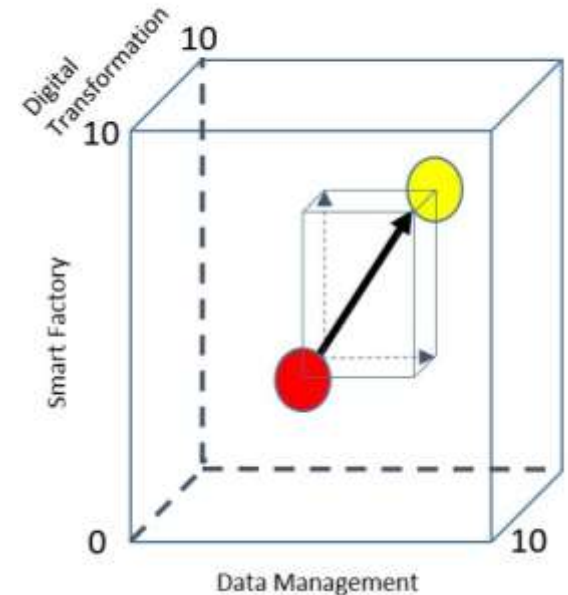
A short view into the Software-Evaluation

A short view into the Software - Result

In this view you get the representation in the well-known "cube view". This view is intended to give a rough overview.

-- You have the possibility to write comments for the presentation in all views --

A short view into the Software-Application fields

In this view, you see a summary of the status quo and target states in the examined application fields. In this case, it can be seen that a higher development potential has been identified in the application field "Purchasing" than e.g. in the "construction".
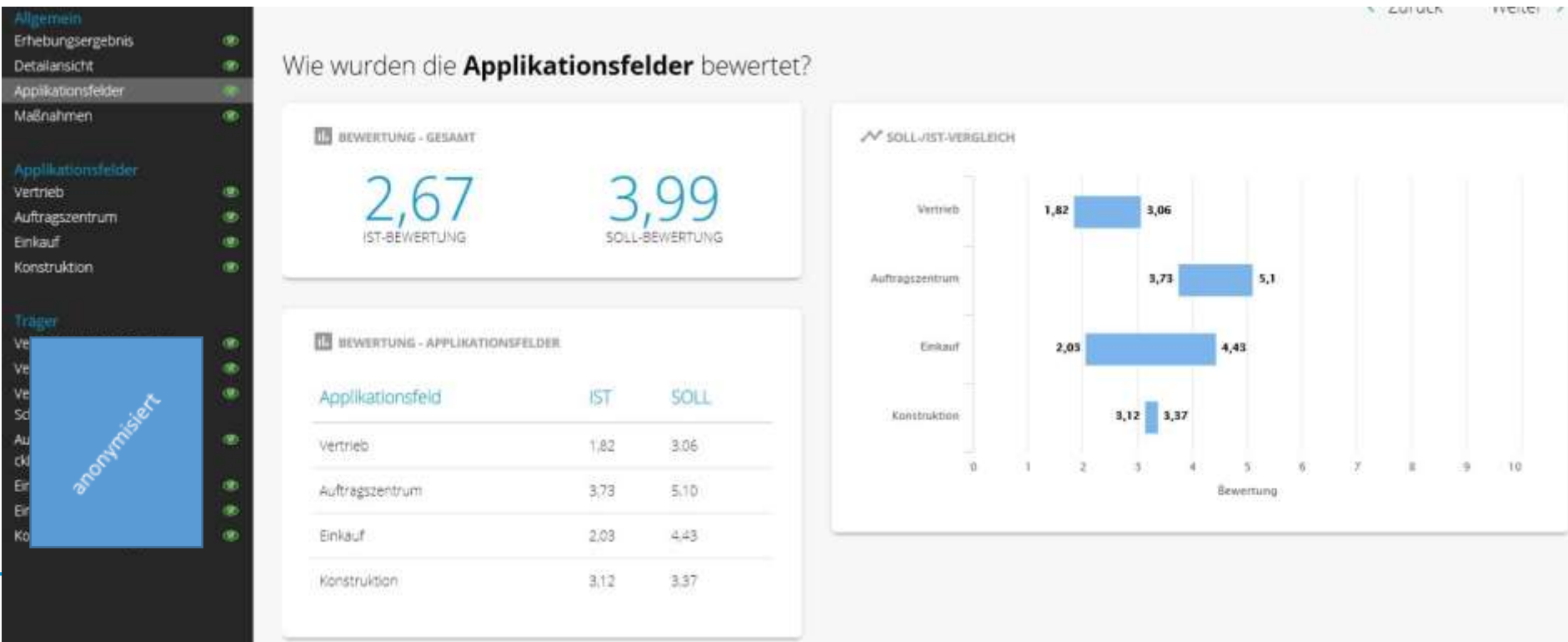
A short view into the Software – Heatmap

The upper table shows: which actions (rows) are involved in which units (columns) - the higher the number, the more often a measure is linked to an unit. The action production control therefore affects only the fourth unit.

The bottom table shows: How many subcriteria within an unit (column) have been linked to at least one action. If all actions would be implemented, 19 subcriteria would improve in the first unit.

A brief explanation appears when you move the mouse over the fields!
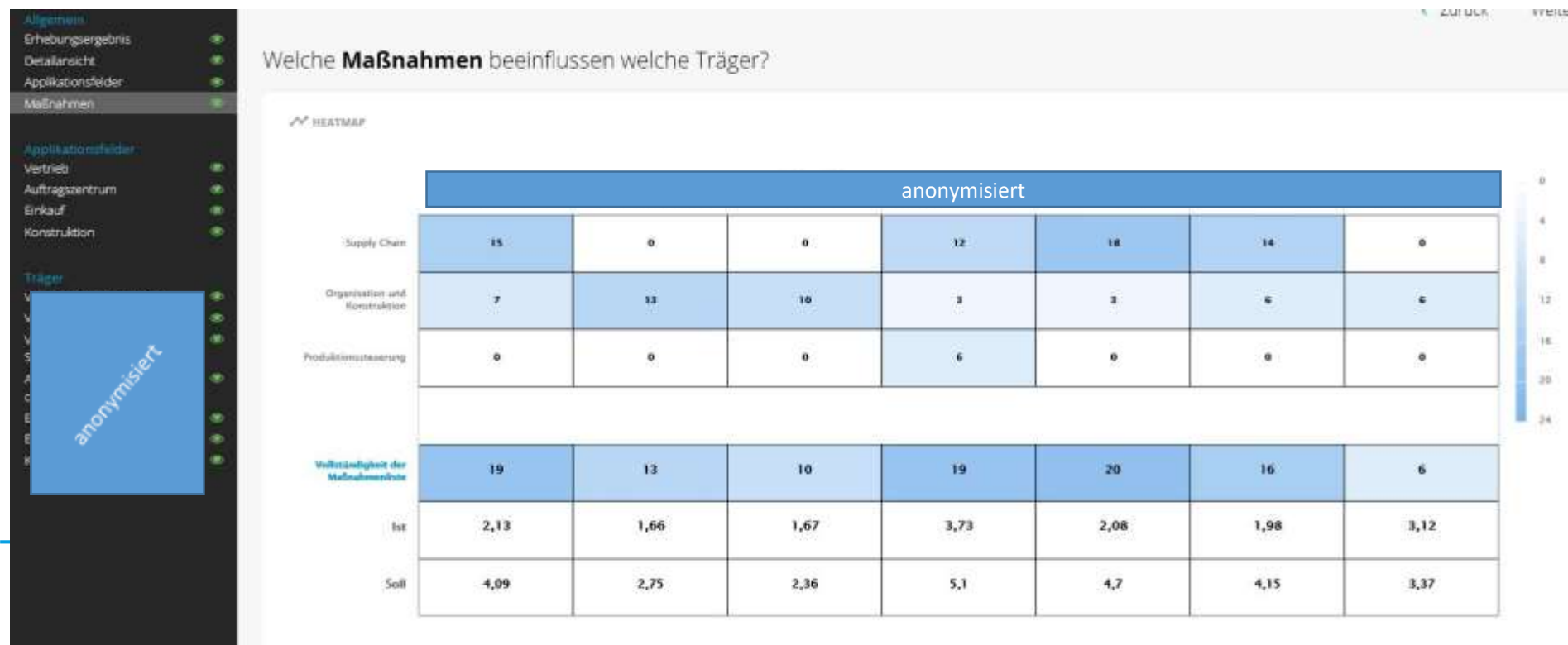
Contact and information

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Business Upper Austria is the business agency of the Upper Austrian government and a partner for location development, cooperation and public funding advisory services.

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