

LOCAL ECONOMIC DEVELOPMENT: REGIONAL TRANSFORMATION PROCESSES & ECONOMIC DEVELOPMENT

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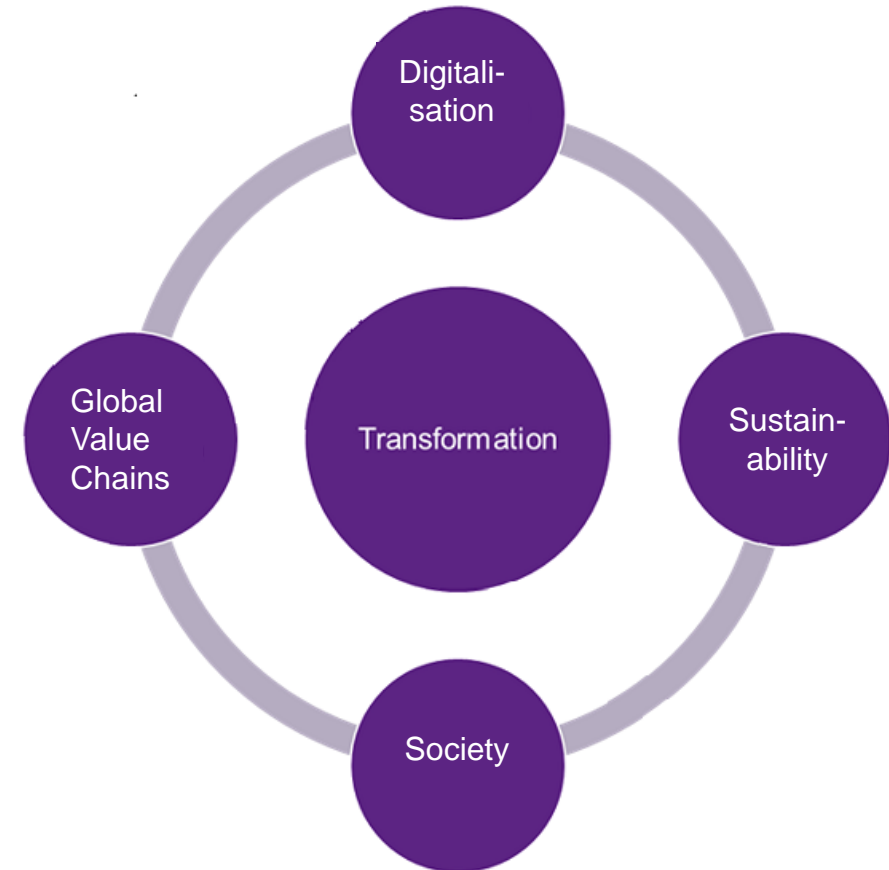
TRANSFORMATION CHALLENGES ON MUNICIPALITY LEVEL

Key issues

What transformation processes are taking place in my municipality?

In which transformation fields is my municipality / region well positioned and where is it less so?

Where is there a critical mass of players and where is there not?



RELEVANT TRANSFORMATION FIELDS

Transformation Fields



Social Innovation

Green Economy

Life Science

Smart Production

Green & Smart Mobility



EXAMPLES OF TRANSFORMATION



Location: **Mannheim**

MA: 18.300 in total

Year founded: 1926

Annual turnover: € 9.5 billion

Industry: Food and beverage production

-> one of the largest sugar manufacturers worldwide

New business area 1: Green Economy, Bioeconomy

Bioeconomy innovation space: Sustainable and resilient cultivation of insects for innovative use in feed and food production

New business area 2: Green & Smart Mobility

Power-to-methanol, fuel ethanol, liquid CO₂

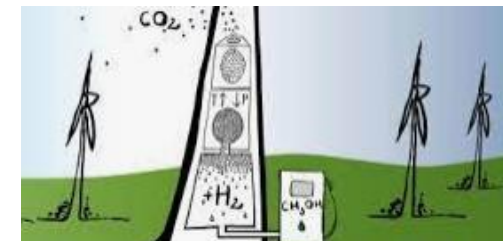


NewFoodSystems

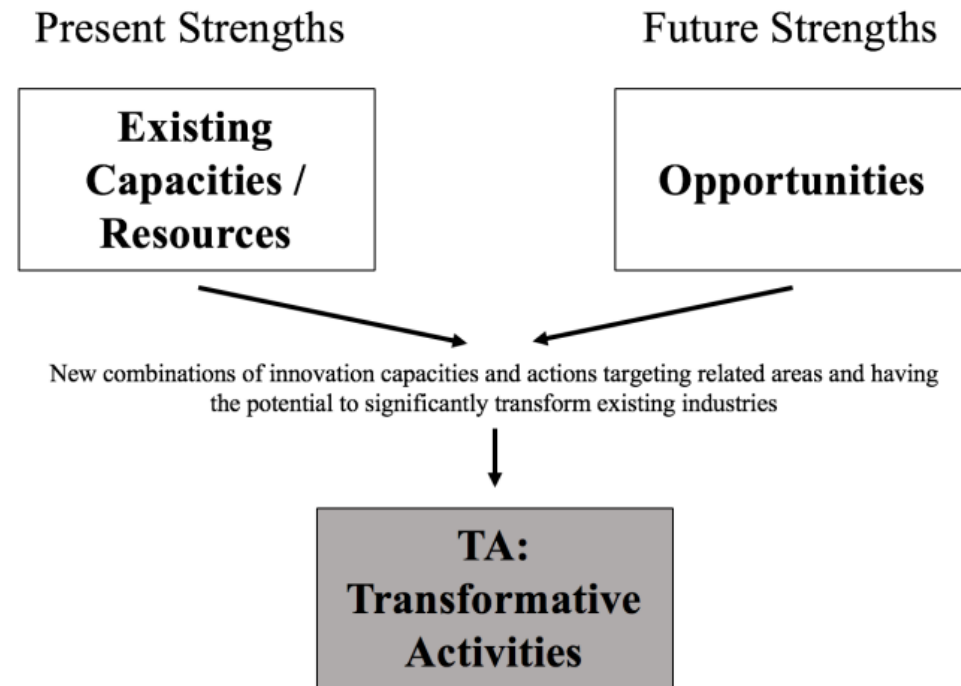
Neue Lebensmittelsysteme



Source: NewFoodSystems



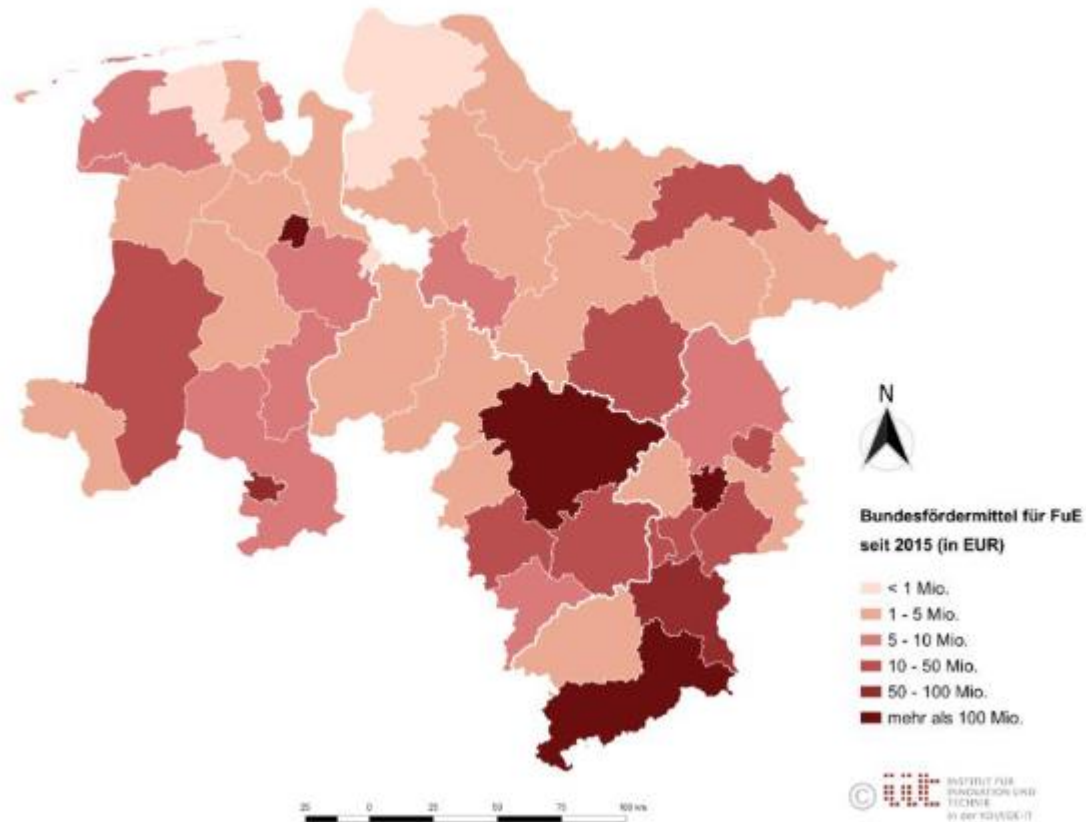
TRANSFORMATION CHALLENGES ON MUNICIPALITY LEVEL



Keller, Reisgruber, Dermastia, Bersier, Meier zu Köcker, 2019, Implementing RIS3 Through Clusters;
https://www.researchgate.net/publication/338409811_Implementing_S3_with_Clusters_An_Innovation_Model_for_Transformative_Activities_-_In_fteval_Journal_for_Research_and_Technology_Policy_Evaluation_Issue_47

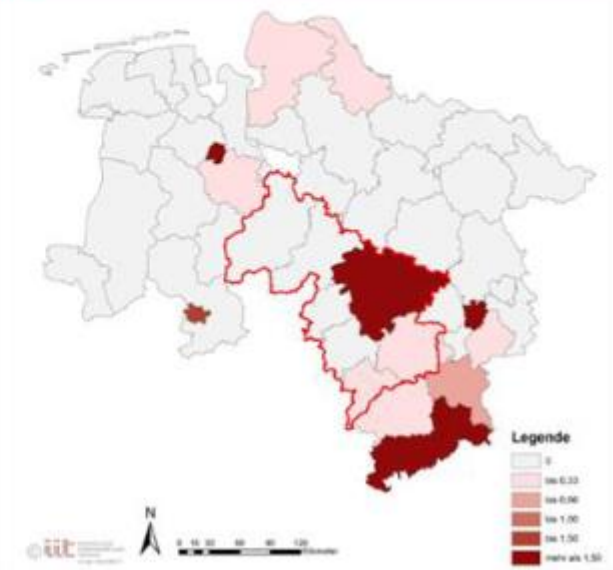
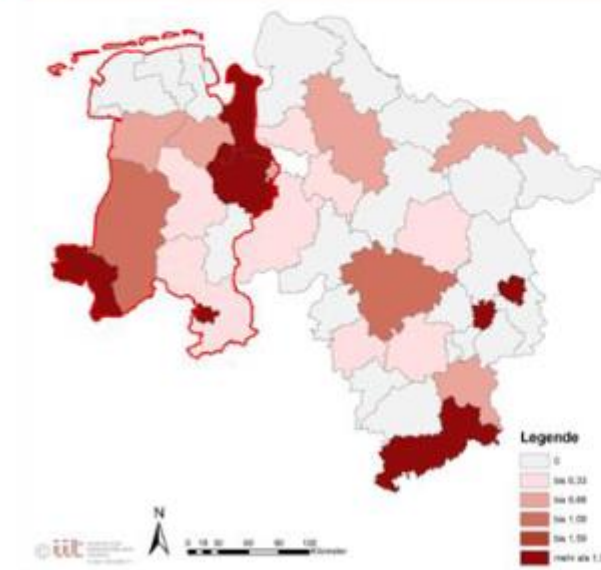
DISTRIBUTION OF COMPETENCES WITHIN A REGION USING THE EXAMPLE OF LOWER SAXONY

Intensity of R&D activities

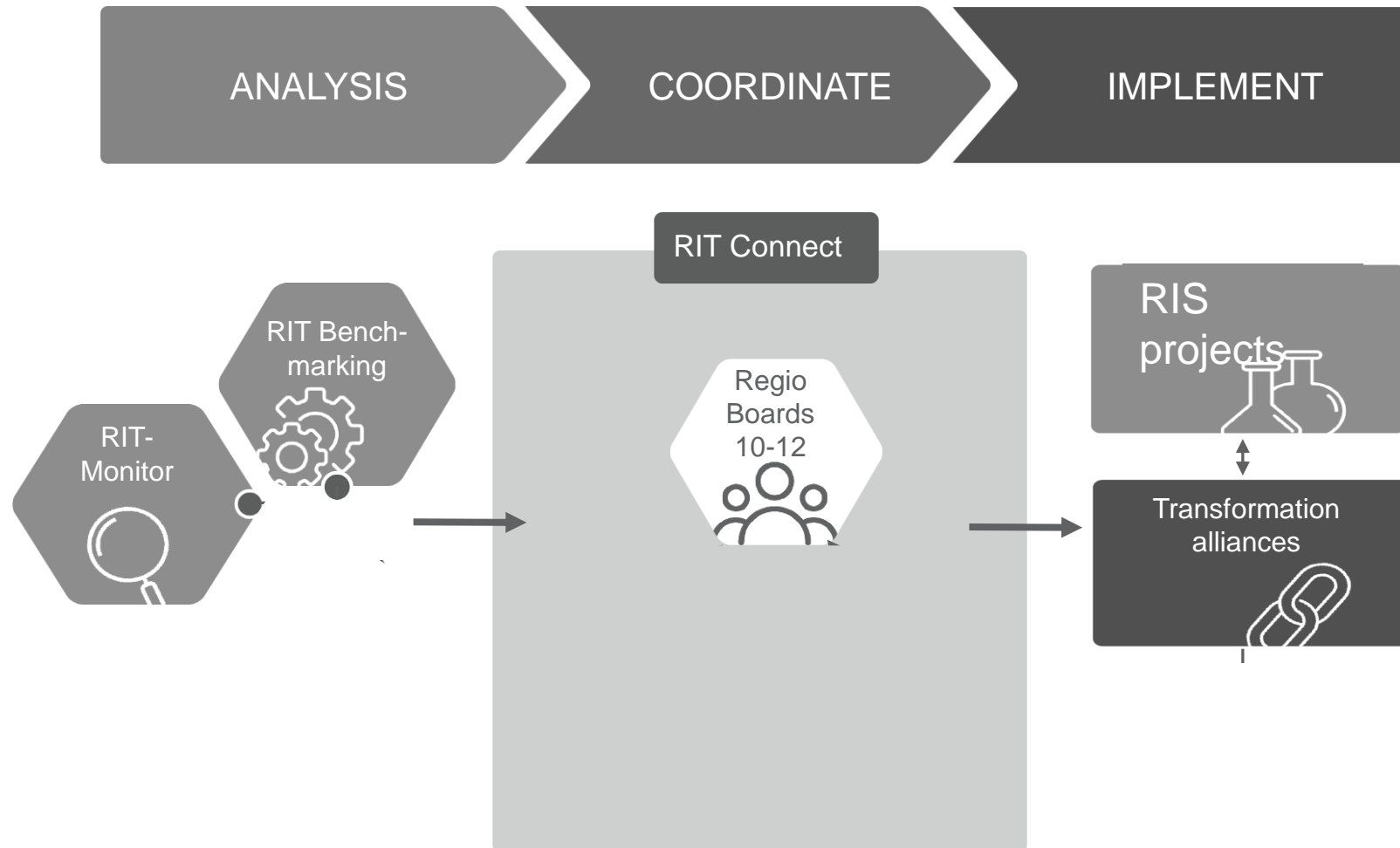


Robotics

Health Technologies



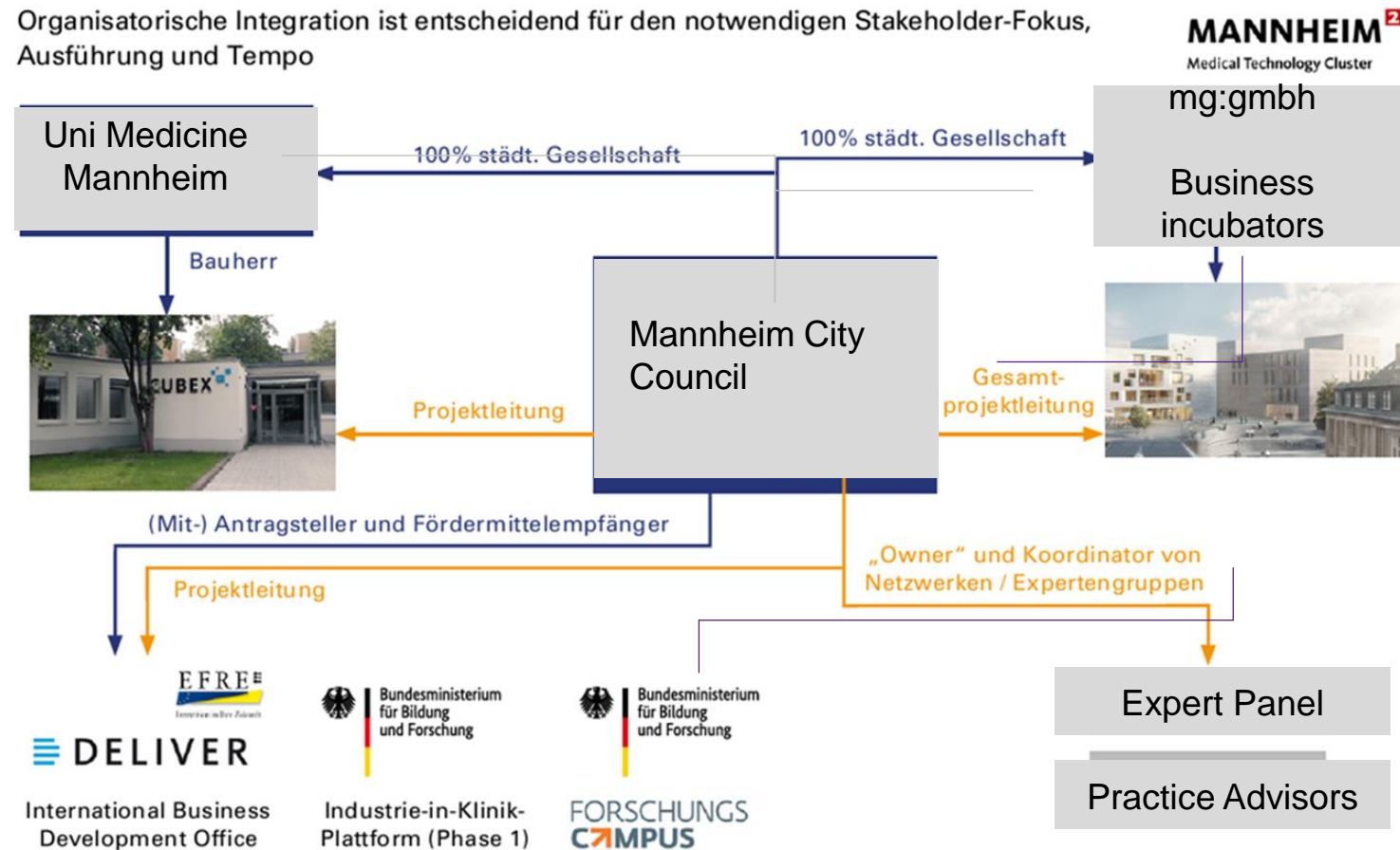
UNDERSTANDING REGIONAL TRANS-FORMATION PROCESSES IN ORDER TO SHAPE THEM



THE CITY OF MANNHEIM AS DRIVER FOR REGIONAL TRANSFORMATION

Medical Technology City of Mannheim

Organisatorische Integration ist entscheidend für den notwendigen Stakeholder-Fokus, Ausführung und Tempo



FIELDS OF ACTION OF CITY OF KIEL

1



Make networking
(intermediaries, business,
universities) more inclusive

2



Financial
Expand innovation promotion

3



Using the creative industries
as a driver of innovation

4



Understanding the
development of expertise and
young talent as an investment
in the future

5



Sharpen profile and
increase visibility

6



Promotion of social
innovations

7



Vibrant innovation spaces
create




8



Understanding administration
as a communicator and
initiator

MUNICIPALITIES AS TOOL FOR REGIONAL DEVELOPMENT

| Key Actors during regional development process | | | | | | | |
|--|----------------|---------|---------------|---------|---------------------|----------------------|---------|
| | Private sector | | Academi | centres | Policy | Regional development | |
| | Firms | Chamber | UNI/ HS/FI | TTZ/IZ | Region al policy | RDA | Cluster |
| Regional potential | → | ↑ | → | → | → | ↑ | ↑ |
| Knowledge of trends | → | → | ↑ | ↑ | → | → | ↑ |
| Knowledge of transformative activities | → | ↗ | ↗ | ↑ | ↗ | ↗ | ↑ |
| Identification of groth areas | → | ↗ | → | → | ↑ | ↑ | ↗ |
| Implementation tools | → | → | → | ↗ | ↑ | ↑ | ↗ |
| Implementation of activities | ↑ | ↗ | ↑ | ↑ | → | → | ↑ |
| Monitoring and evaluation | → | → | → | → | ↑ | ↑ | ↗ |

 Very active
  Active
  Passive

WIRTSCHAFTSFÖRDERUNG RAUM HEILBRONN

With over 120,000 inhabitants, the city of Heilbronn today has the most employees in **business-related services**. In the regional context, industry, especially thanks to the **automotive sector and the food industry**, still forms the most important economic basis for Heilbronn today.

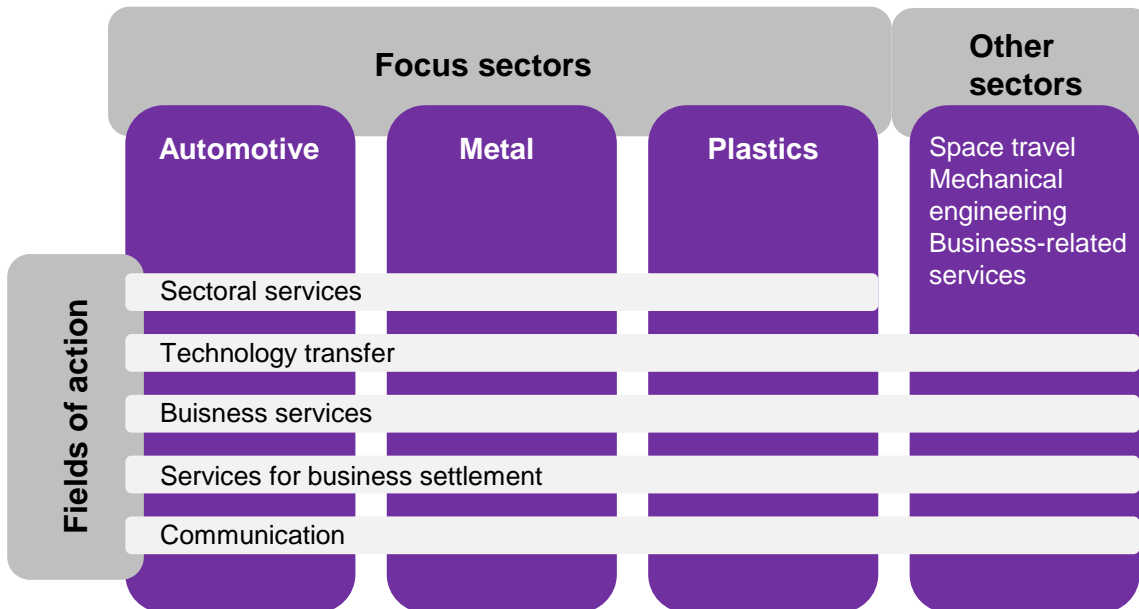
AIM

The Heilbronn economic region consolidates its position as...
 ... excellent production location
 ... an attractive place to do business, work and live

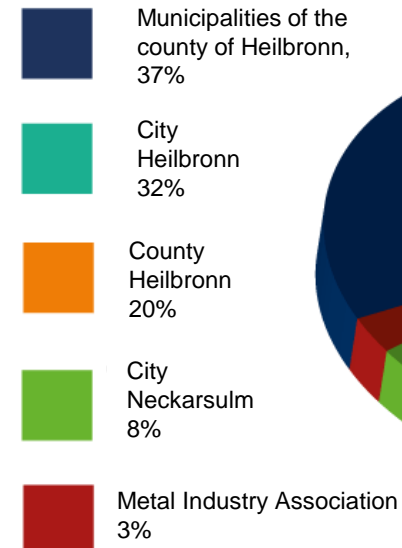
Financing

Mixture of institutional financing coming from shareholder
 Publicly funded project

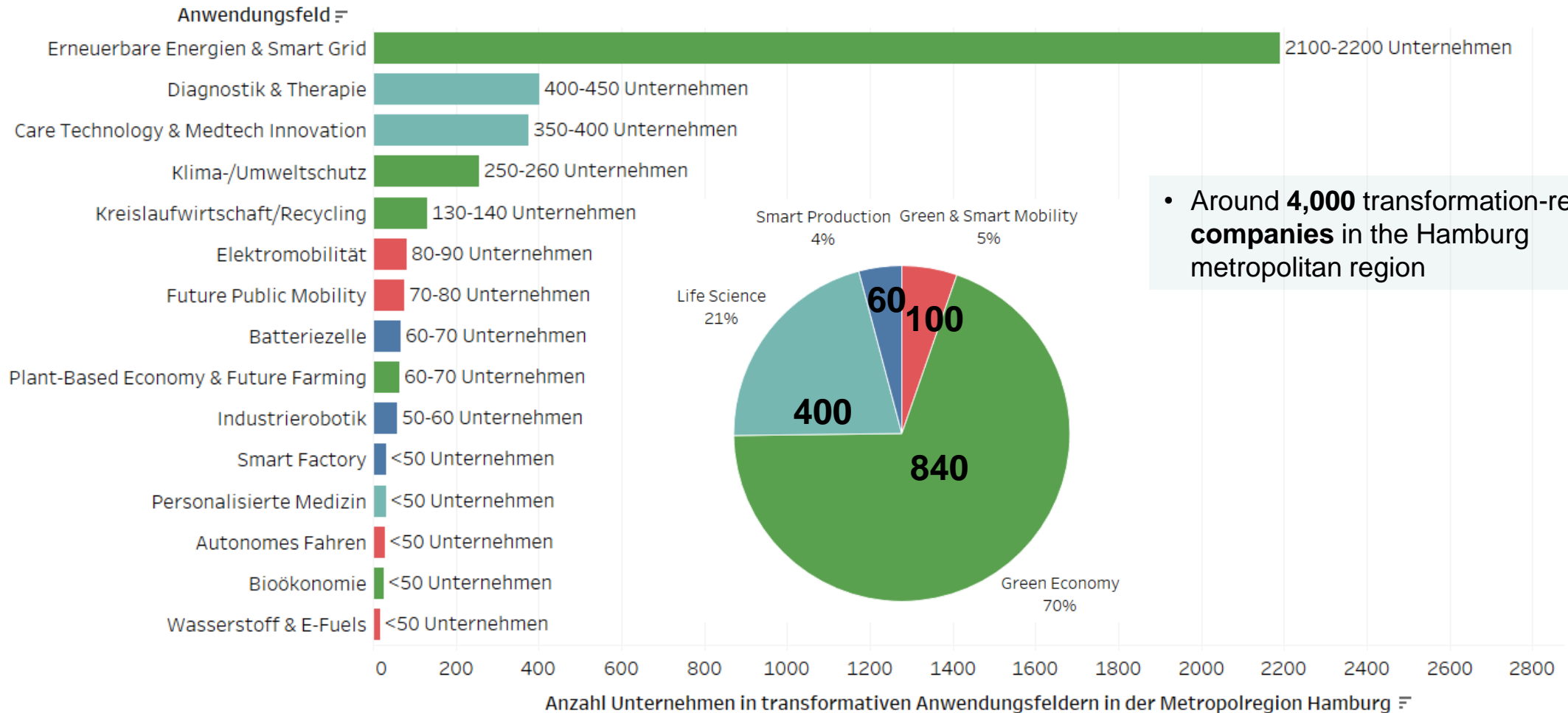
Portfolio of the Wirtschaftsförderung Raum Heilbronn GmbH



Shareholder of the Wirtschaftsförderung Raum Heilbronn GmbH



DEVELOPMENT STATUS OF A REGION IN VARIOUS TRANSFORMATIVE FIELDS OF APPLICATION



• Around **4,000** transformation-related **companies** in the Hamburg metropolitan region

SUMMARY

Municipalities / regions are suitable for taking on a new role as drivers of regional transformation processes, **but**

- Strong regional roots and close co-operation with regional intermediaries are an important prerequisite for taking on such a role.
- Regional transformation processes must first be understood in order to be able to coordinate them.
- Sufficient human resources, expertise and sustainable financing of cluster initiatives is a fundamental prerequisite.

Funding could then be provided in future

- be designed project-specifically and
- Tasks in the regional interest include

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