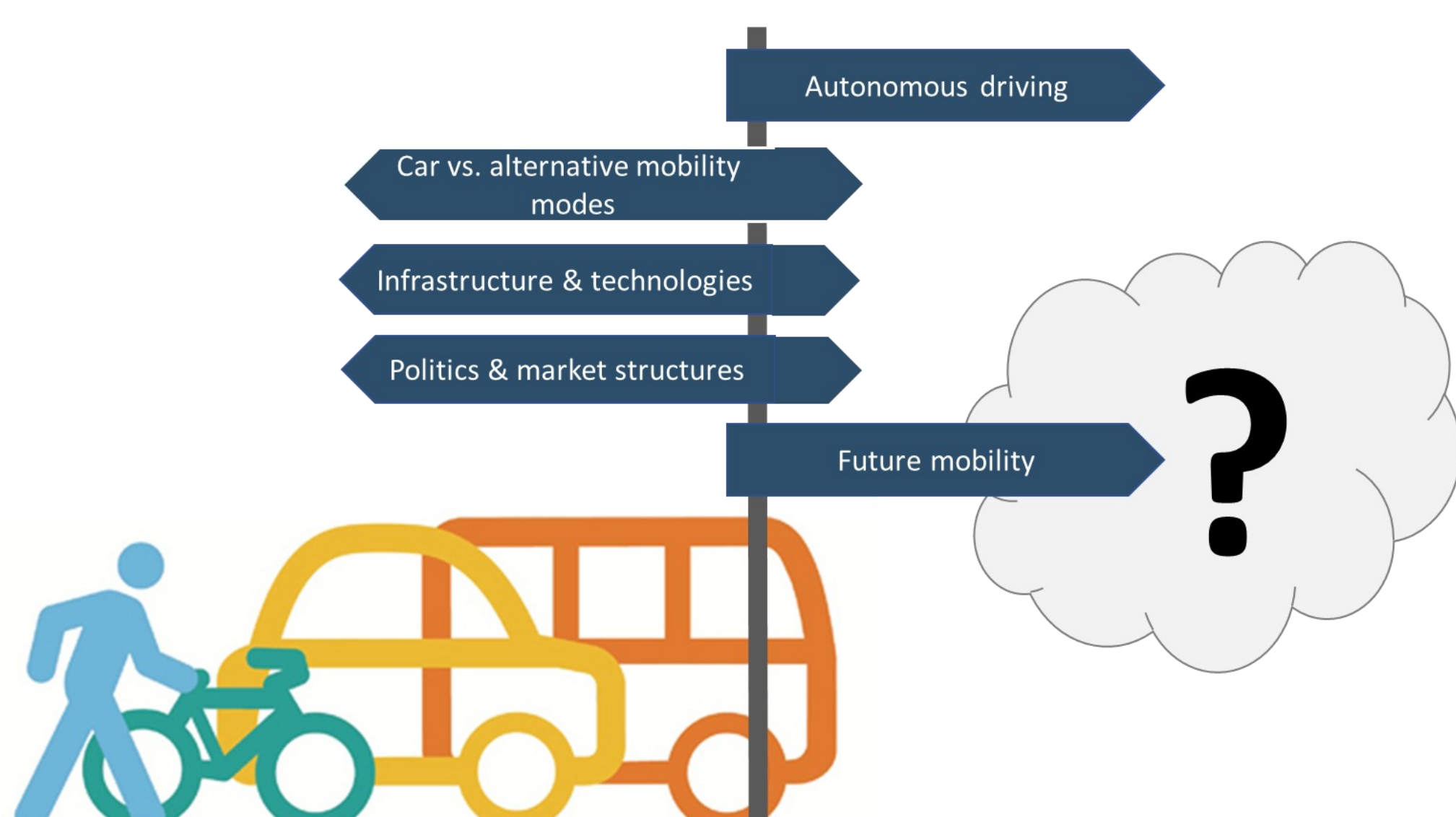# Analyzing the SOCIO-TECHNICAL TRANSITION towards AUTONOMOUS DRIVING

The Examples of the Metropolitan Regions of Munich and Stuttgart

Eriketti Servou | mobil.LAB | 2nd Phase | Shaping Mobility Cultures

MOTIVATION

- Uncertainty among actors and citizens about the long-term impacts of automation

- Need to understand the historically developed interrelations between society, mobility policy and emerging technologies, and how they play out in the present

- No actual analysis of the policy and institutional dynamics on autonomous driving in existing literature

Autonomous driving

Car vs. alternative mobility modes

Infrastructure & technologies

Politics & market structures

Future mobility

?

PURPOSE OF RESEARCH

Understanding the policy processes behind the promotion of autonomous driving to identify which tendencies will matter in the future

RESEARCH QUESTIONS

- How did autonomous driving come into place as a policy objective in the regions of Munich and Stuttgart?

- How do coalitions of actors come to articulate policy storylines on autonomous driving in the two regions?

- What kind of socially shared meanings do the actor coalitions reproduce through each storyline?

- Through which practices do actor coalitions attempt to promote autonomous driving and how do these practices transform or reproduce the policy discourse?

RESEARCH DESIGN

Theoretical Framework

- Mobilities Paradigm

- Discourse Analysis

- Science & Technology Studies

The World

Abductive Reasoning

Theory

Methods

- Two case studies

- Literature Review

- Pilot Interviews

- Desk Research (policy documents, historical archives, media articles)

- Expert interviews (planners, industry, politicians, engineers)
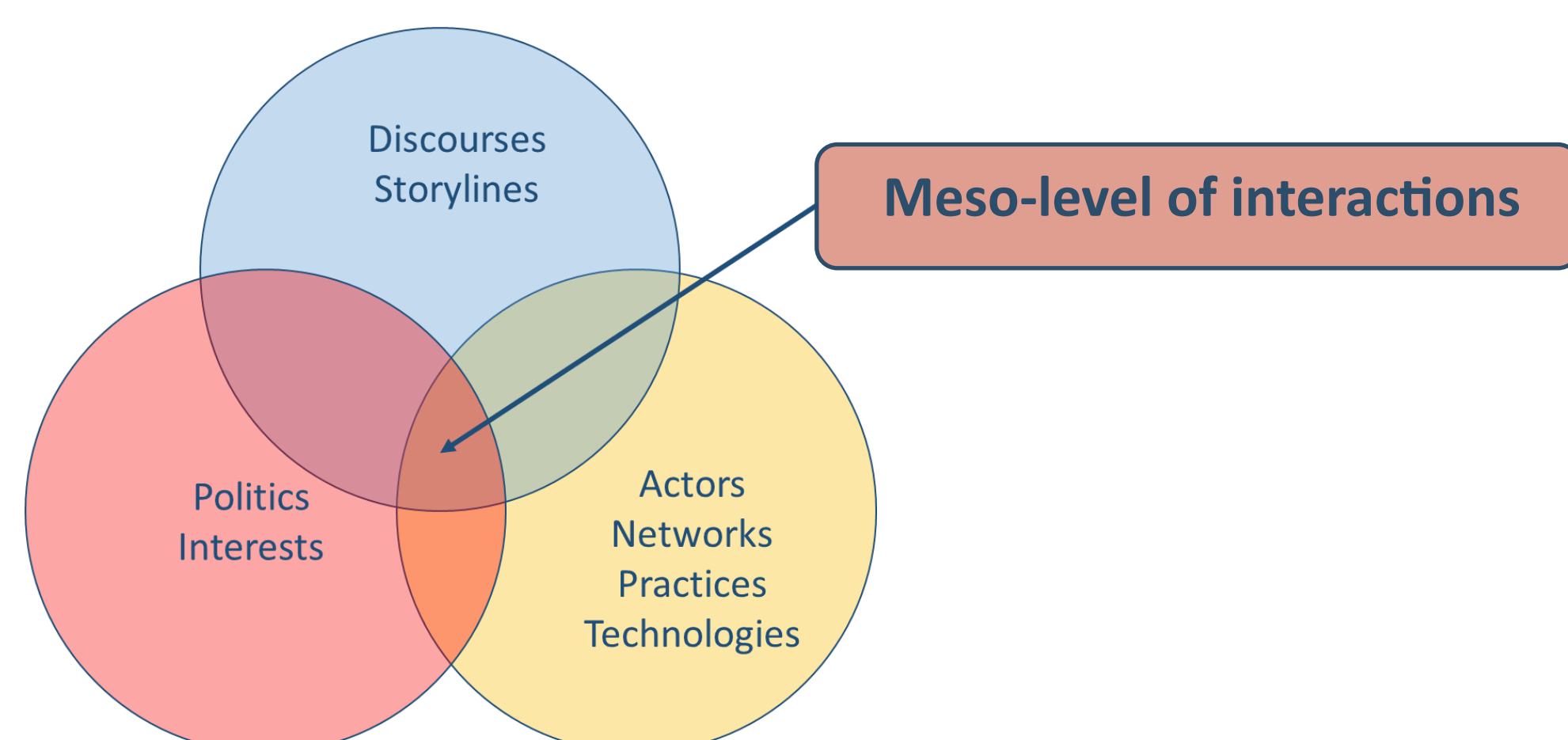
- Field observations in dialogue labs

RESEARCH OBJECTIVES

- Identifying path dependencies between the system of automobility and automation technologies

- Unpacking the interplay between broader and local discourses

- Identifying the main actors, their arguments and their interests

- Revealing conflicts and power struggles among actors

- Revealing discrepancies between language and practices

RESEARCH FOCUS

Discourses Storylines

Meso-level of interactions

Politics Interests

Actors Networks Practices Technologies

Contact information:

Eriketti Servou | eriketti.servou@tum.de

Hans Böckler Stiftung
Mitbestimmung·Forschung·Stipendien

TUM

Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen