

bubbo



**Autonomous Shuttlebus System
for Rural Areas**

Rural Mobility for all!



- We need a mobility system for rural areas that is
 - flexible,
 - inclusive,
 - affordable, and
 - available 24/7.

How can we get that?



- **Cost-effective rural feeder transport services**
 - from/to important local facilities and
 - from/to higher-ranking existing transport networks (e.g.: train network or intercity buses).

Cost-effective?



- **No drivers** → fully automated buses

Bus-Bot = Bubo



- **Frugal** → Robust, simple, easy to maintain using technology that exists today
- **Community-based** → hosted by and tailored for a municipality (enabling a PPP)
- **Tap additional resources** → development of hard-& software is open & cooperative

So that's our solution:

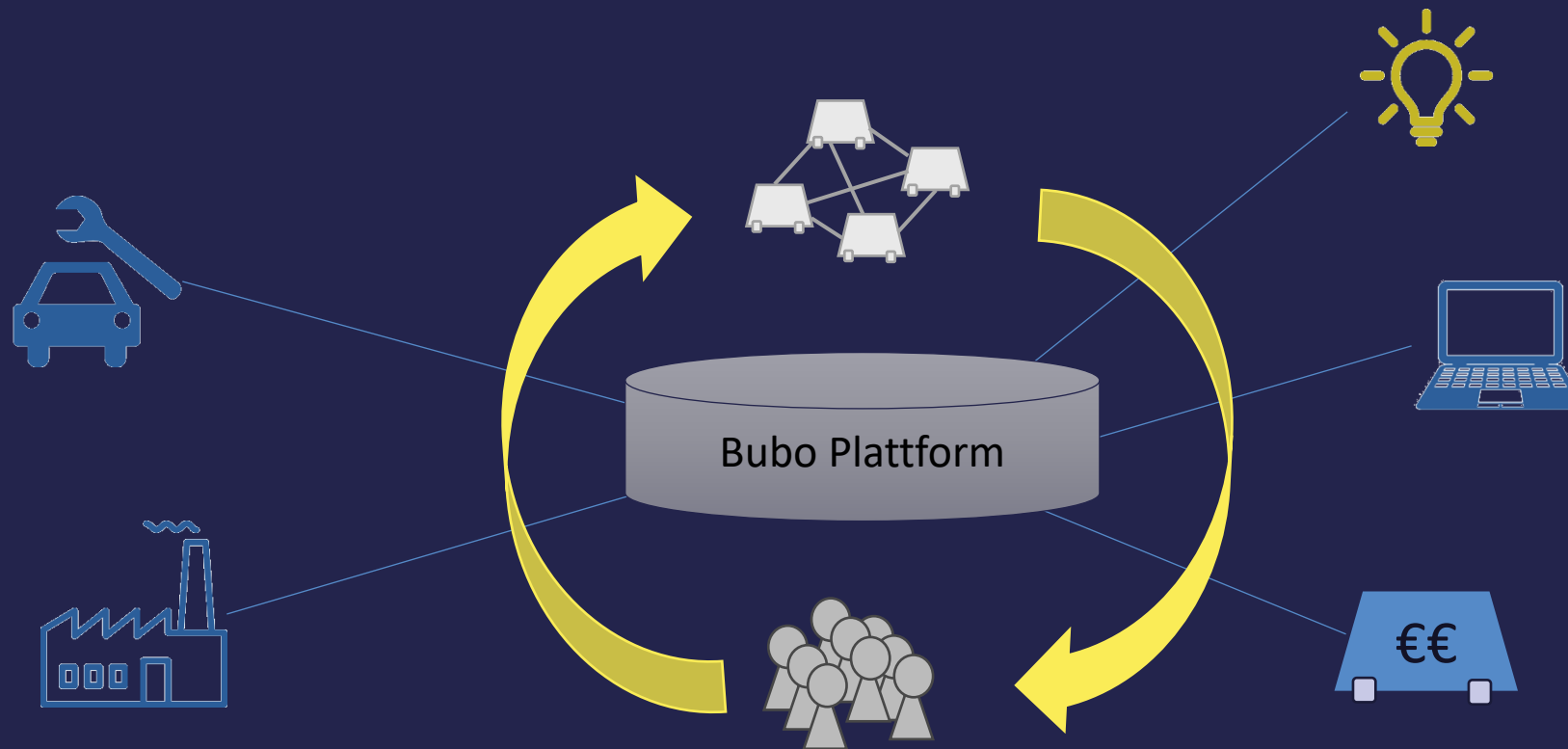


- A community-based automated bus system
- organised as a platform economy with
 - open interfaces,
 - open hardware, and
 - open software.

Bubo-Plattform



- Open governance & open interfaces for co-development



Development Plan



1) Bubo Open Innovation Initiative

Conceptual
research,
networking,
community
building

2) Bubo Open Platform

Proof of concept,
technical development &
piloting, licensing system

Development Plan



1) Bubo Open Innovation Initiative

TRePSTI
(Association)



Membership fees,
Funding

2) Bubo Open Platform



Bubo Mobility
(Company)

Partners, RTI-
funding,
licensing

Development Plan



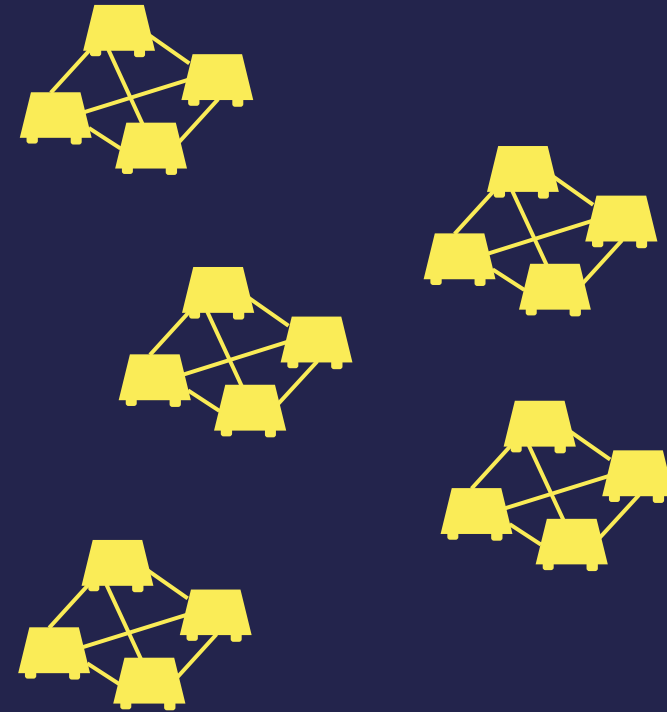
1) Bubo Open
Innovation Initiative



2) Bubo
Open Platform



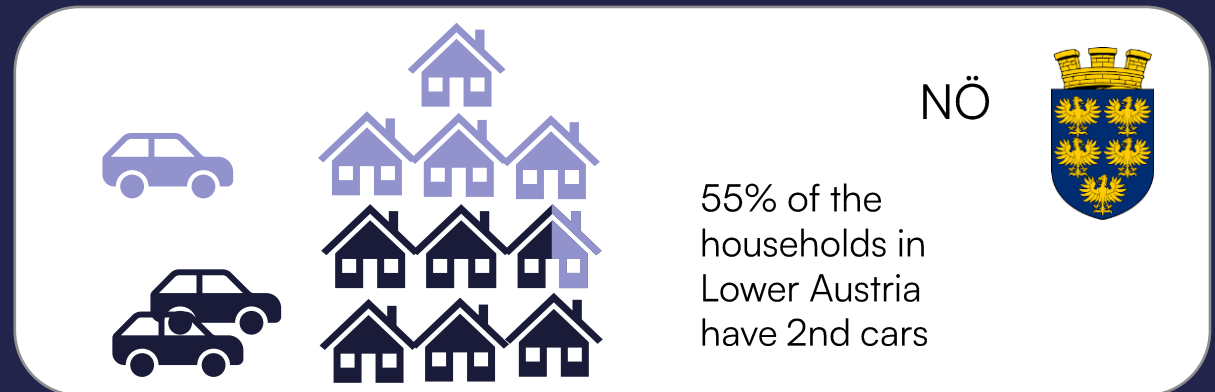
3) Local Networks run by
local operators (self-
organised)



The Market



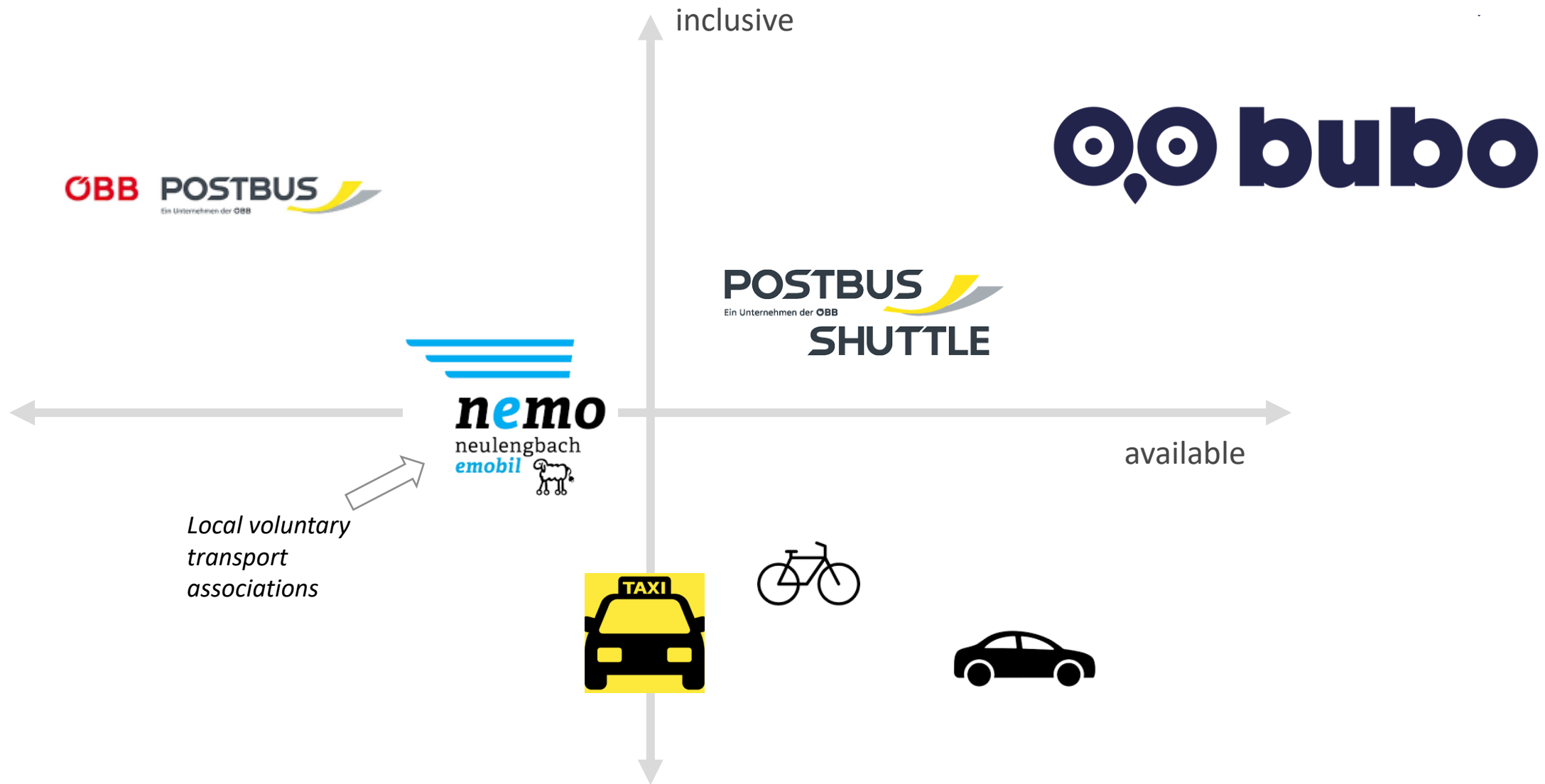
- 1.57 Mio 2nd cars in Austria in 2019 — number rising!
- On average, 2nd cars are driven only 7,300km/year, for 0.5hour/day.



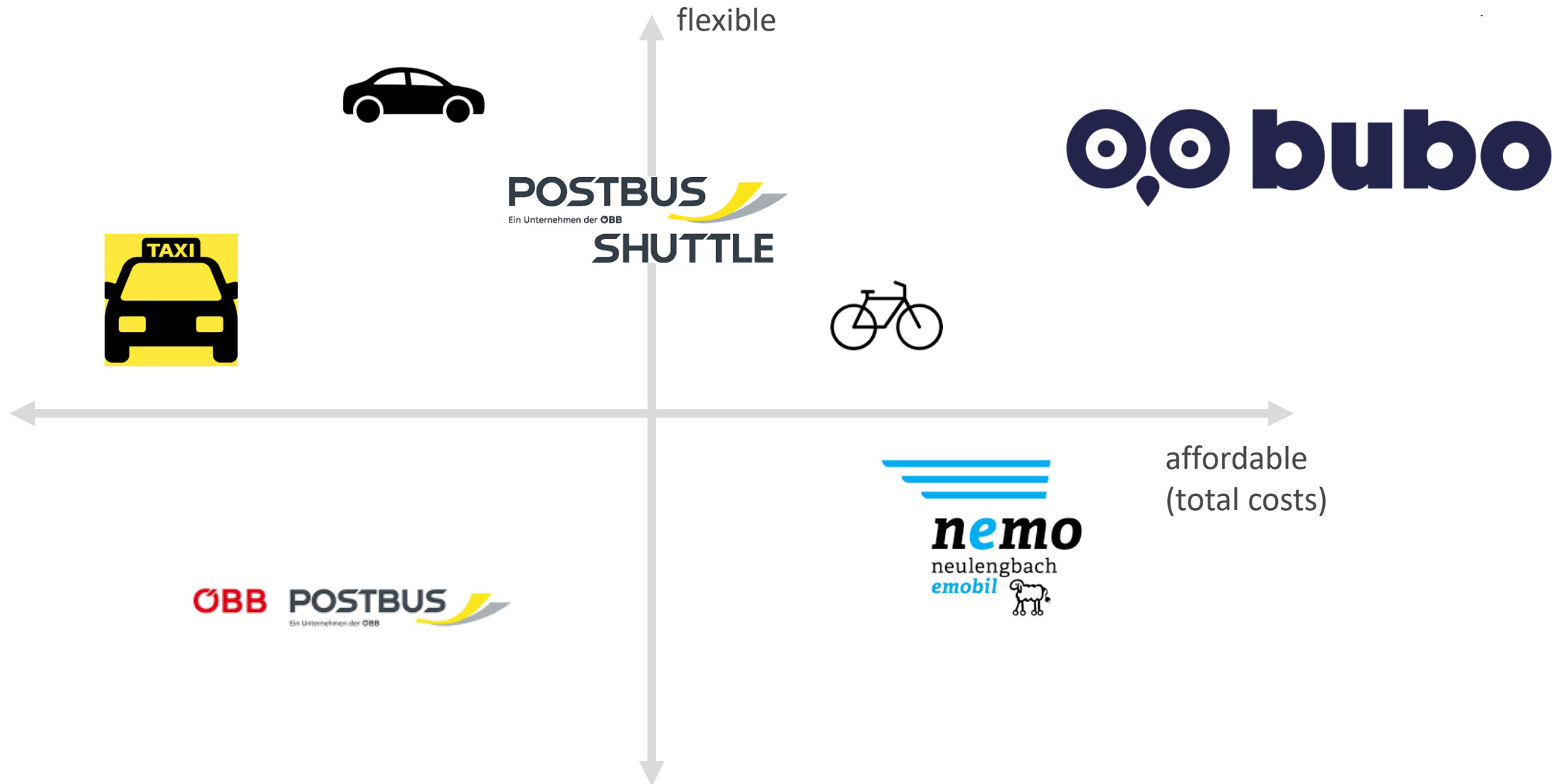
- The Bubo has the potential to compensate for most of these 2nd cars and also many first cars!

Source: [Statistik Austria / VCÖ, 2019](#)

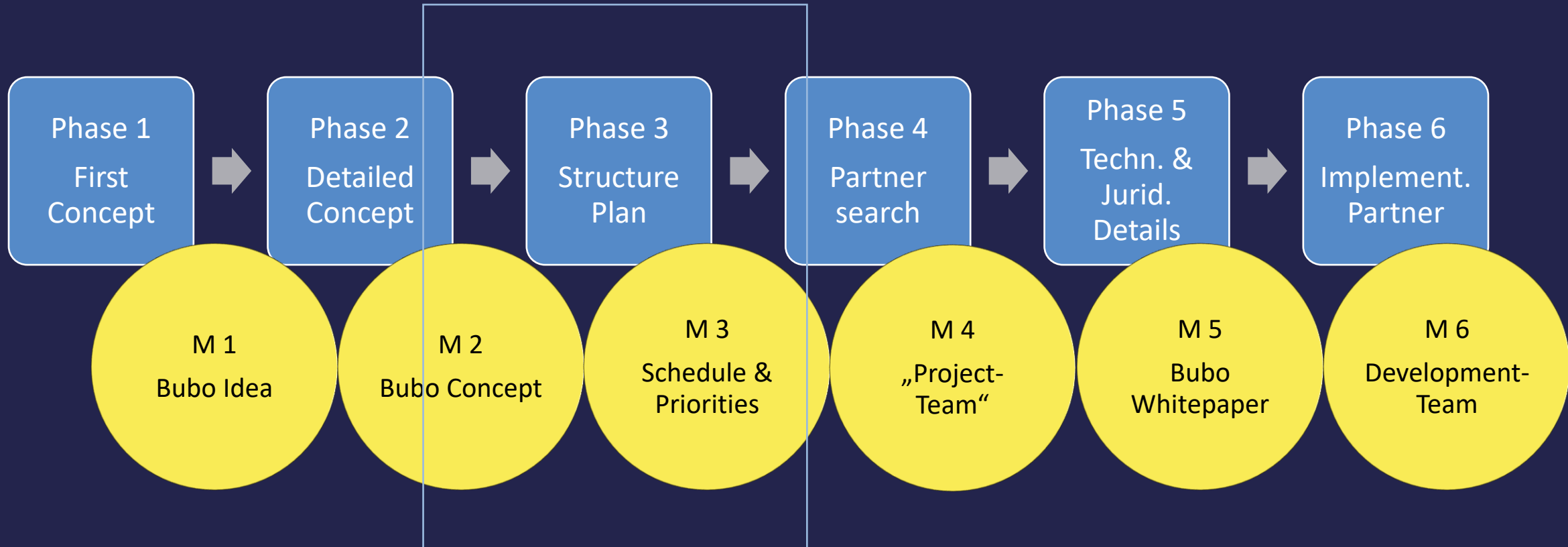
Players in rural mobility in Lower Austria



Players in rural mobility in Lower Austria



Phases Pre-Development



About us

- Thomas Palfinger

Political Scientist

Open innovation expert

Citizen engagement

Analytical mastermind

[Profile at the LBG-Website](#)

- Isabella E. Wagner

Experienced project manager

Social innovation expert

Vast social network

Strong implementor

[Profile on LinkedIn](#)

→ we bring all key skills and resources!



Contact



TRePSTI Institute

Organisation for the Initiation of
Innovative Cooperation Solutions in Rural Areas

Isabella Wagner & Thomas Palfinger

bubo@trepsti.org