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Monitoring the Impact of Innovations

A concept for supporting R&I solutions in the Austrian mobility system

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Who are we?

AustriaTech is a public agency that supports transformation processes in mobility.

It is owned by the Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology.

What´s the problem with (mobility) innovation policy?

Innovation policy

Mobility system

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We want to bring innovations into social practice /
into the mobility system

The objectives of transformative (mission-oriented) innovation policy

In order to act efficiently and effectively, the following is necessary:*

- Understanding the processes that innovations go through

- The ability to precisely define the status of each innovation

- Applying measures that go beyond traditional R&I funding

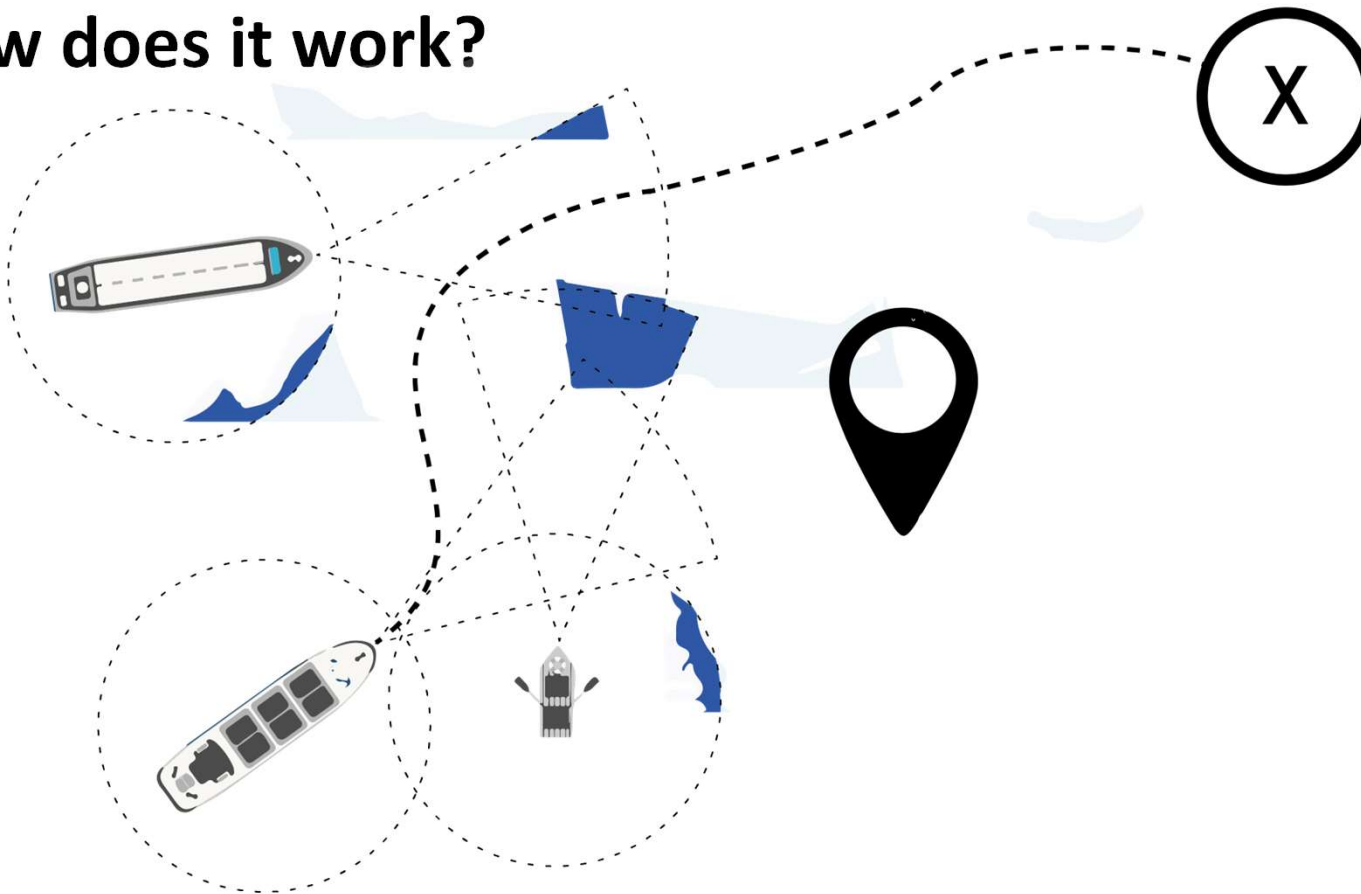*Based on the concept of „transformative outcomes" (Gosh et al. 2020)

The objectives of transformative (mission-oriented) innovation policy II

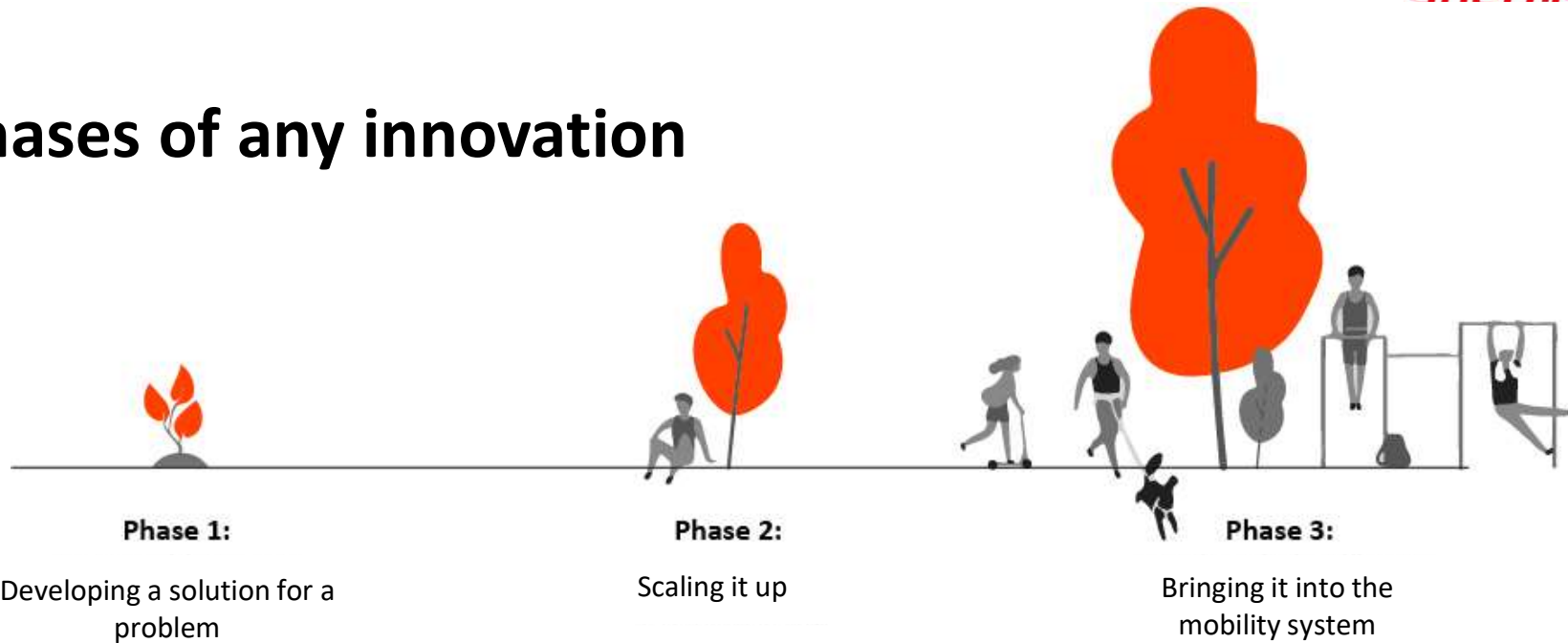We want to ensure that the Austrian R&I mobility measures* are more effective

... and that ever more people participate in their implementation

*of the Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology

How does it work?

3 phases of any innovation

Phase 1:

Developing a solution for a problem

Phase 2:

Scaling it up

Phase 3:

Bringing it into the mobility system

Focus on „key innovations"

Promising innovations which

- tackle a concrete problem in the mobility system,

- target a certain group, and

- are applied in a certain spatial context.

Proposed by the community, decided on by an advisory council to the Ministry.

How do we decide which measures are needed next to bring the innovation into the system?

Survey for funded R&I projects

The Navigation System

We create a public communication infrastructure that allows for quick orientation and an evidence-based discourse.

- Which key innovations are supported?
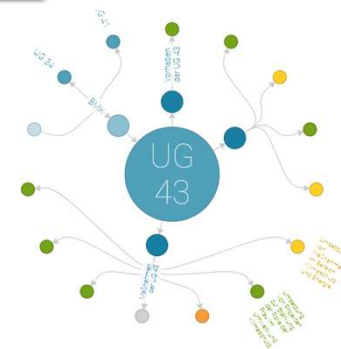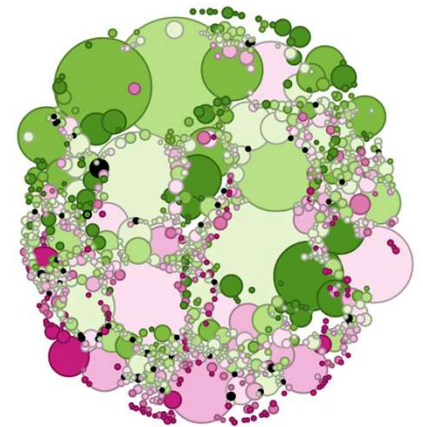
- What is their current status?

That ensures that existing forces are focused on those innovations and activities that are expected to have the greatest impact on Mobility Transition.

Monitoring the Austrian R&I Activities on Mobility Transition

Follows the concept of Civic Tech:

- ensures transparency and motivates participation

- Civic Tech is "the branch of technology that enables [...] people to listen to each other, instead of one person speaking to million people; [it] **is a core ingredient of co-creation**." (Tang 2019)

Civic Tech is innovative in the context of Mission-oriented innovation Policy!

Current state of application

- Data collection from R&I projects has started

- Navigation system is being set up

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The concept was developed collaboratively with the
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