Scenario building in urban mobility

POLIS Webinar series: “Mobilising Mobility: Turning European transport innovation into local action

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Leading questions

- How does mobility in European cities evolve by 2030?
- What is the impact of new mobility services (eg. MaaS? Micromobility?)?
- What are the policy gaps?

Scenarios?

“an internally consistent view of what the future might turn out to be.”

Why scenarios?

Help to deal with uncertainty

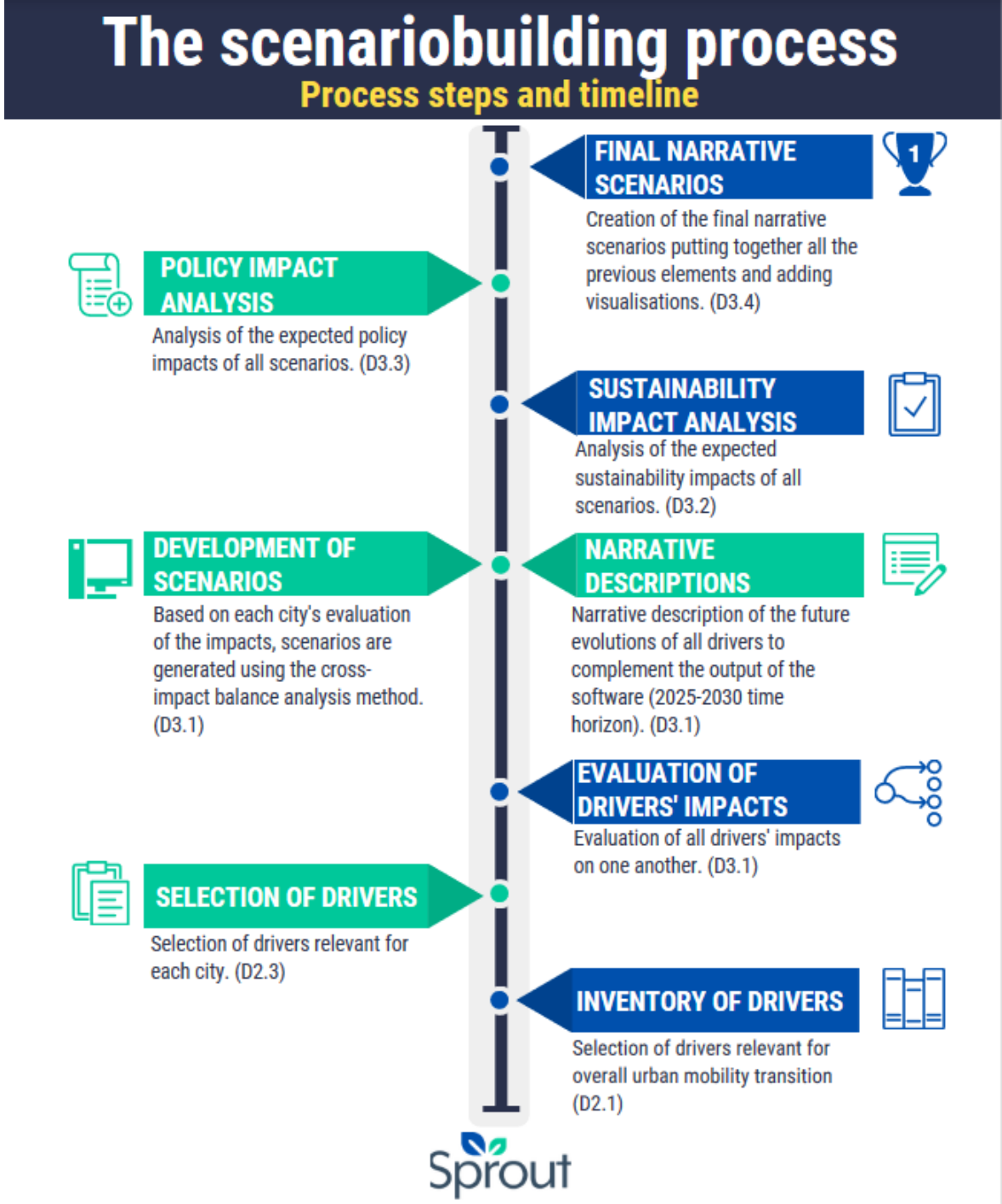
Describe several plausible futures

Help to consider long-term policy making while exploring short-term options

Easy to communicate

SPROUT scenario building process

- Scenarios are **do-nothing scenarios**
- Built on:
  - CIB of pre-selected drivers
  - Sustainability impact analysis
  - Policy impact analysis
  - Scenario writing workshops



Cross-impact balance analysis for scenario development

Selection of drivers fueling the transformation in urban mobility

Evaluation of the impacts between drivers

Calculation of **consistent scenarios** through software

Impact analyses

- **Sustainability (CERTH)**
  - To assess the impacts of new technologies, business models, and user needs on urban transport and sustainability
- **Policy (WI)**
  - To assess the potential impact of scenarios on urban mobility policy

Scenario workshops

Held locally in each city

Participatory with stakeholders

To develop the narrative scenario elements

Results

- 3 scenarios for each city
  - 2 mostly opposing
  - 1 ‘most likely'
- 1-page narratives
- Visual representations

Padua- The modular and sustainable city

Padua- The grim city

Concluding remarks

Scenario planning as a useful tool to prepare for alternative futures

Scenario planning as a tool to help involve stakeholders

Crucial choice of relevant drivers that determine the scenarios

Next steps

Spring 2021

Formulation of city-specific innovative policy responses

Development of city-led innovative policy responses with wider applicability

Autumn 2021

Thank you!

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