

TECHNOLOGIES IN FOCUS

- Self-driving vehicles
- Mobility-as-a-Service vs.
- On-demand micro transit
- Road pricing

CHALLENGES

- Uncertainty and complexity
- Path dependence in development
- Distributed responsibility
- Technology as a frame
- Relationship to built environment
- Potentially wide societal disruption shaping patterns of future (im)mobilities, intertwining moving, meaning, and bodily practice, thus reshaping all forms of social life

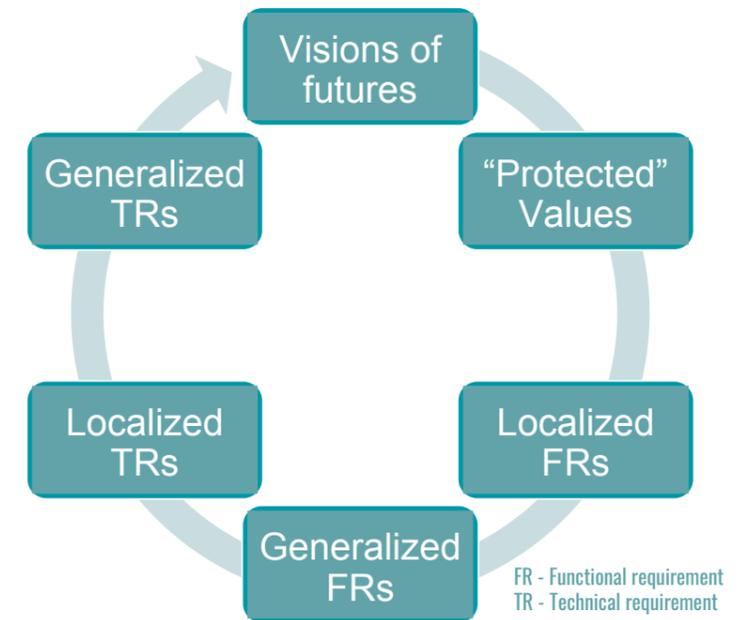
EXAMPLES OF SOCIETAL NORMS AND VALUES

- Responsibility for the critical events and liability for the accident – willingness to pay for services
- Travel mode, travel time and speed preferences – health effects and active life values
- Trust and perception of safety and security – intimacy and privacy
- The use by elderly, differently-abled, mothers, children – concepts of least-advantaged and dignity
- Environmental and community awareness – cottage culture

GOVERNANCE IMPLICATIONS

- Creating opportunities for more divergent reflection on all possible and desirable technological options, through reflection about undesirable urban futures in relation to unanticipated consequences
- Avoiding displacement of the political debate about the inevitable ethical underpinnings, and advocate democratization of technological development practices
- Some divergence of function and, consequently, technical requirements should be expected and accepted as something to be tackled at the national or international level
- Framing and shifting legal and financial incentives that are established for R&D and customizing technological development will also imply statements about the transition outcomes and timing
- Transition end date should be the outcome of the divergent and agonistic envisioning process
- Experimentation with new institutional forms may open up the constellation of current roles and responsibilities for change agents, and perhaps nudge governance to step outside of artificial silos and focus on everyday life, with a shift toward a phenomena-based approach
- Experimentation with new policy levers (e.g., data governance) and citizen engagement methods, including transparent process memory

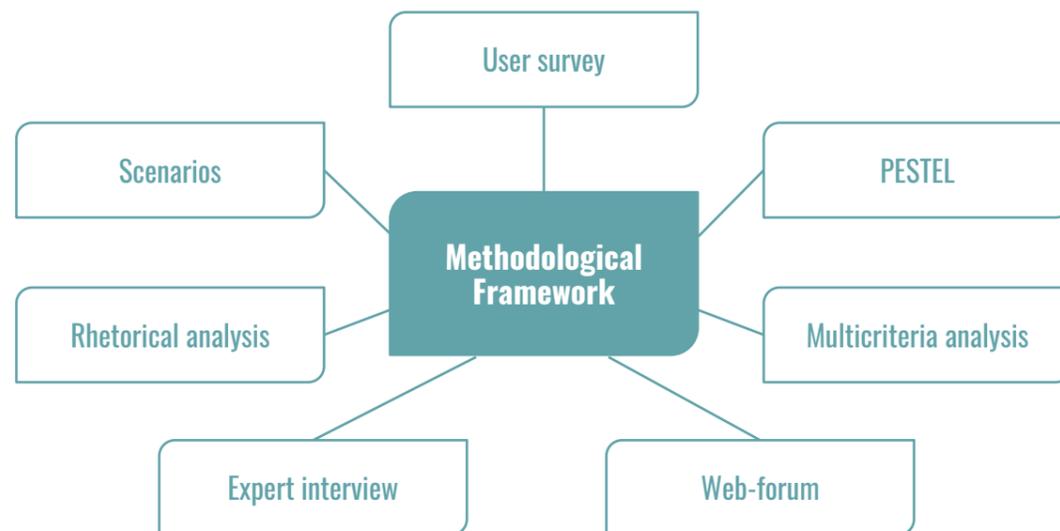
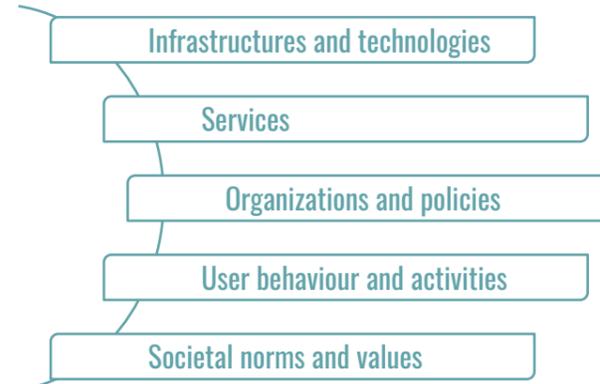
VALUE-BASED DEVELOPMENT CYCLE



We cannot disentangle questions of socio-technical transition from “engineering” (re)distribution of benefits and burdens across present and future societal groups, as well as the threat of reproducing existing forms of inequality!

“It is a mistake to confuse progress with a continued movement in one direction.”
- Wittgenstein

WIDE RANGE OF INTERDEPENDENT CONTINGENCIES



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