

ATEsT WP6 Roadmaps: Suggestions for the future tools development

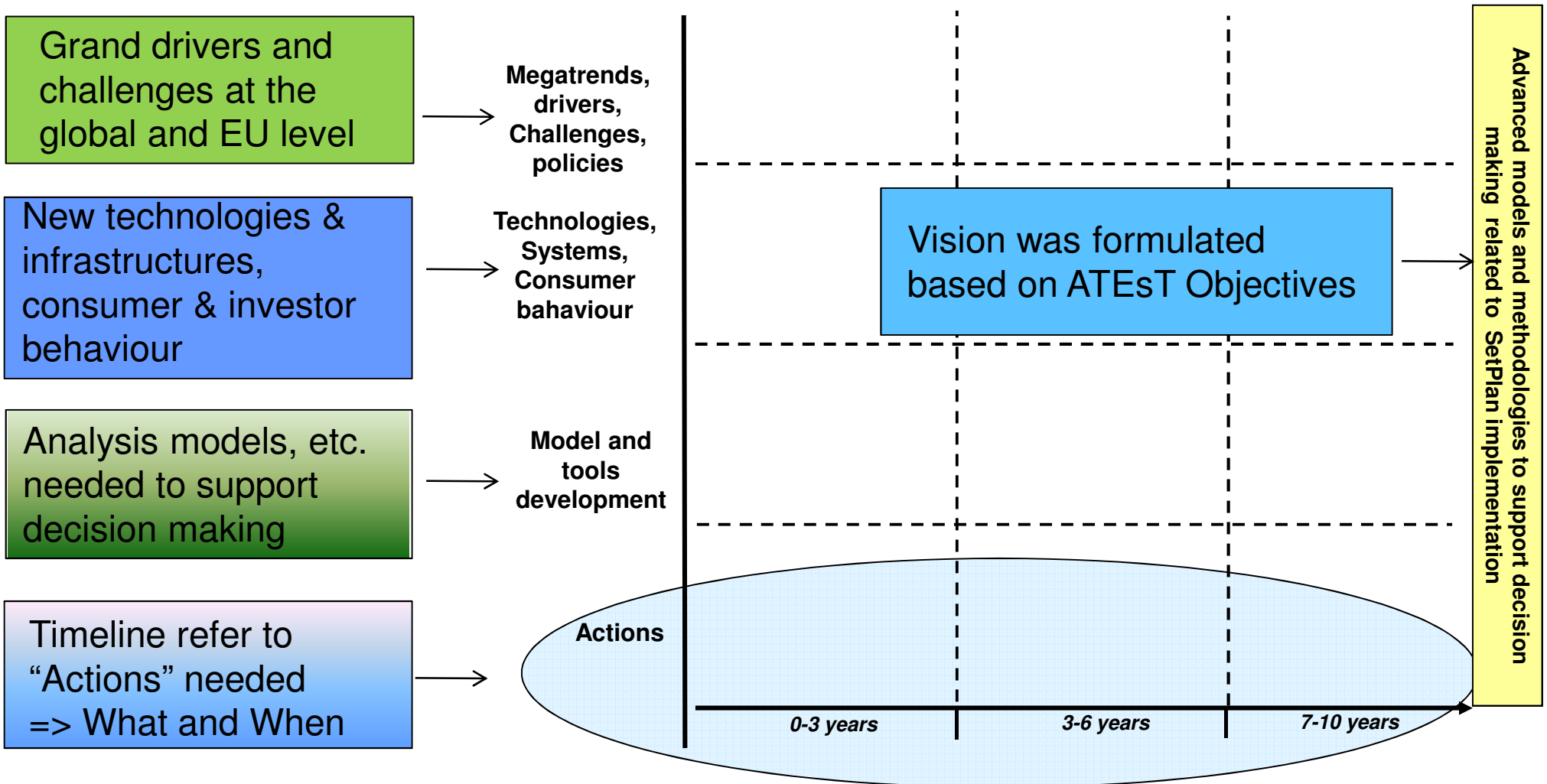
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Methodology/Approach

- ATEsT roadmap for tools and methodologies development have been verified by filling the roadmap questionnaires followed by a video conference between partners. The ATEsT roadmap especially focuses on the needs for tools, models and methodologies development as well as concrete actions needed.

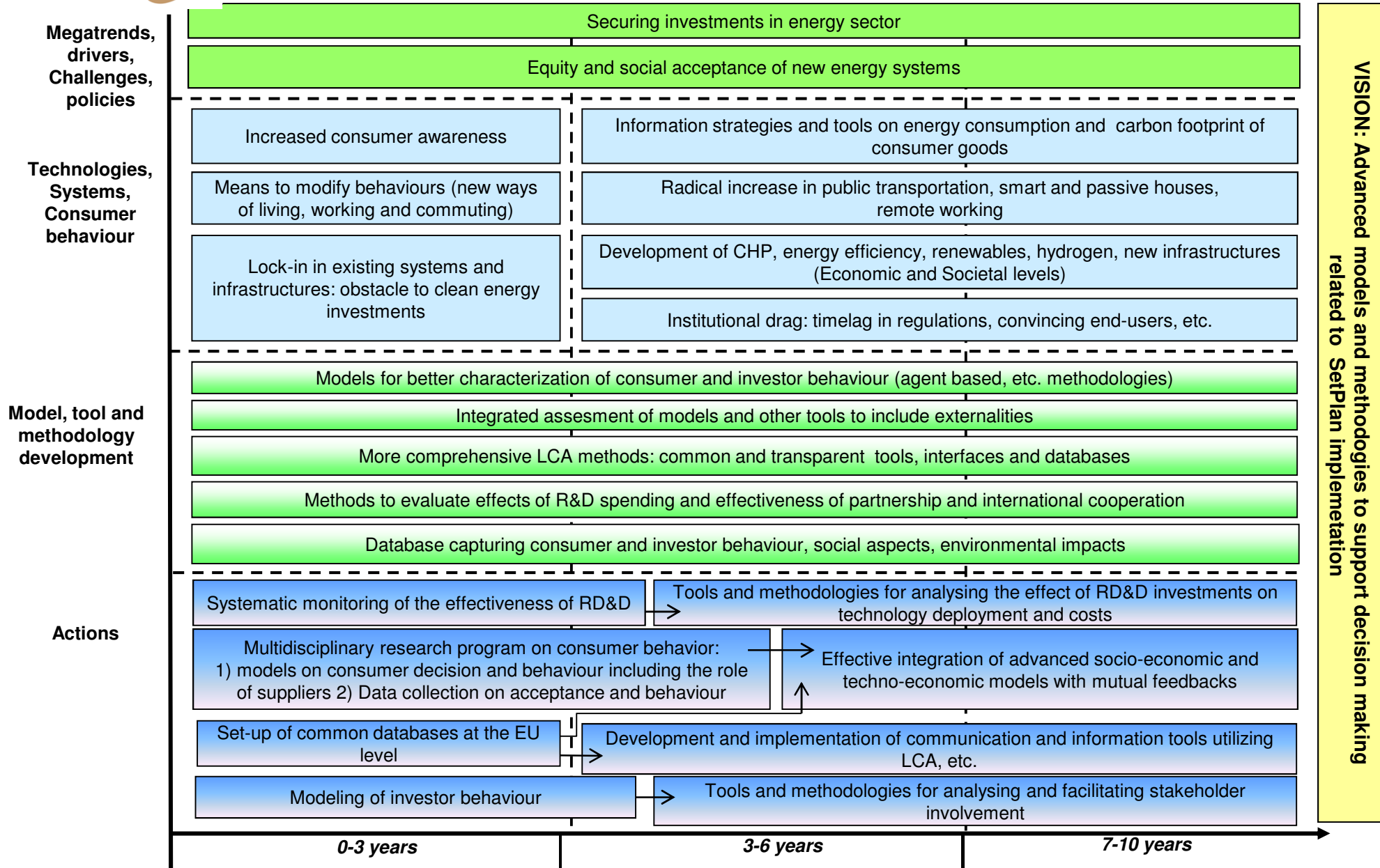
- The roadmap process:
 1. Collection of insights from project partners (internal workshops) + prioritisation of actions in a video conference
 2. Construction of roadmaps by VTT based on the collected material
 3. Discussion in the ATEsT final workshop → editing of the roadmaps based on comments

Formulation of the ATEsT roadmap for models and methodologies development

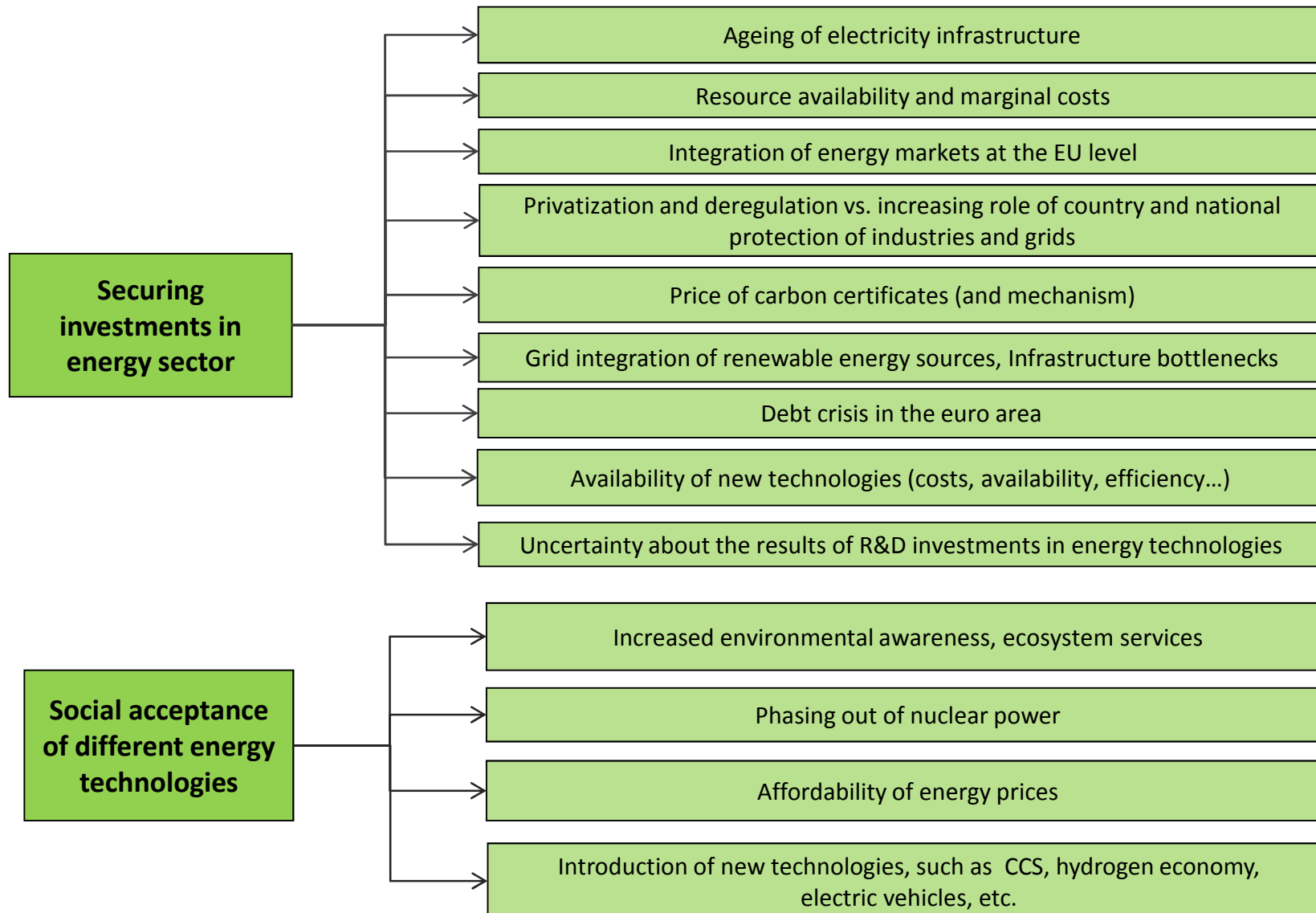




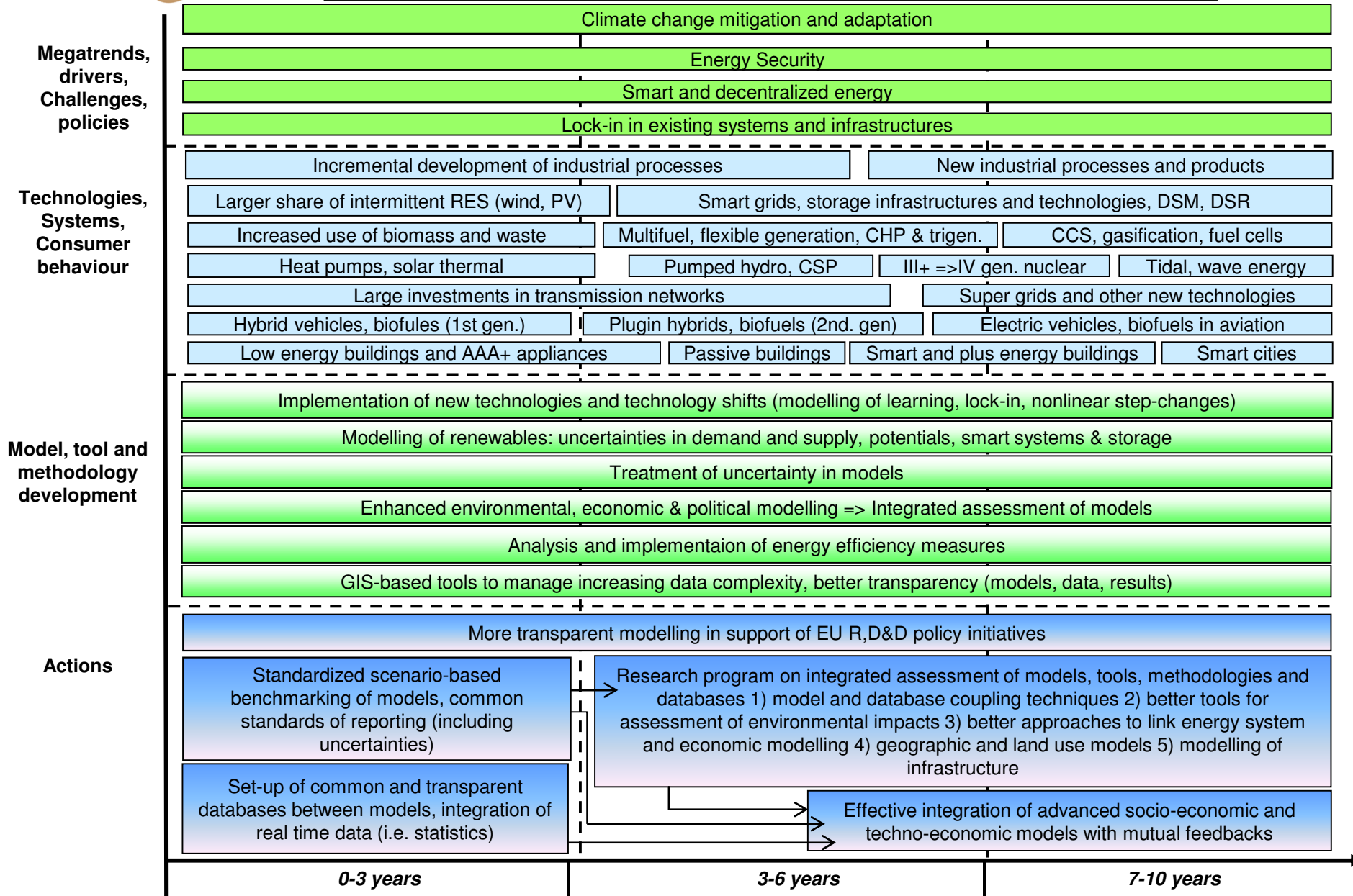
Socioeconomic Roadmap



Drivers: Socioeconomic Roadmap

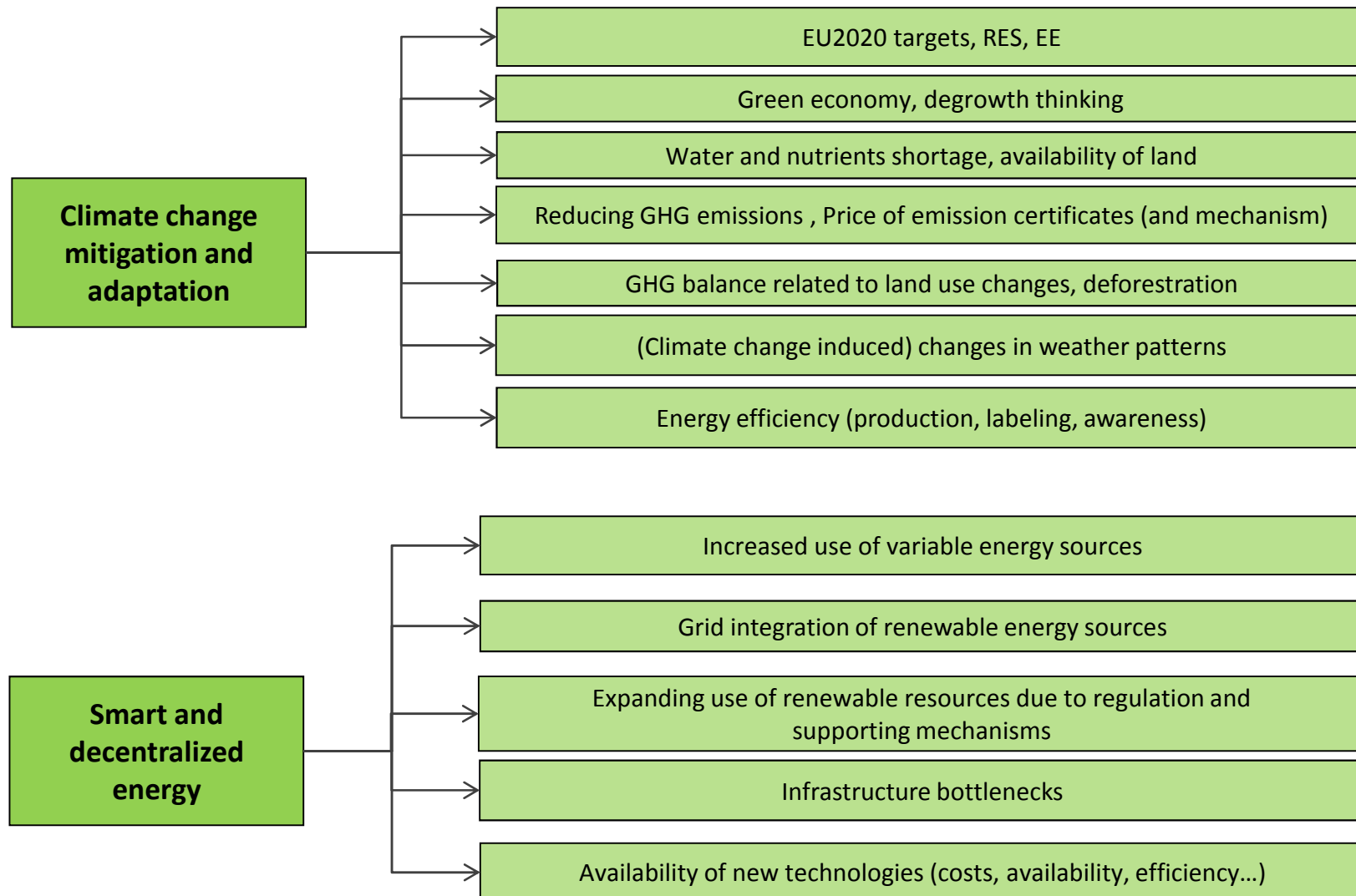


Technoeconomic Roadmap

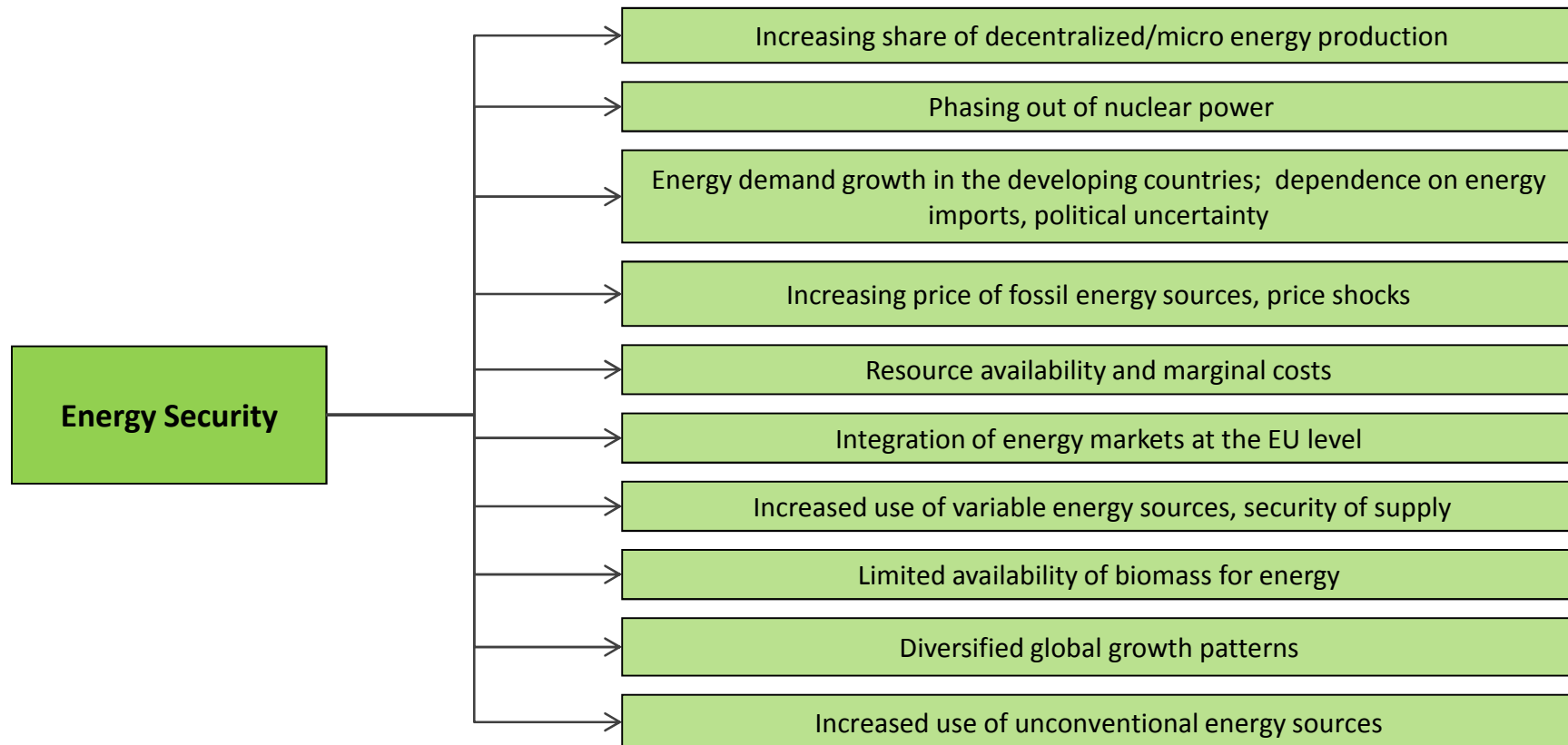


VISION: Advanced models and methodologies to support decision making related to SetPlan implementation

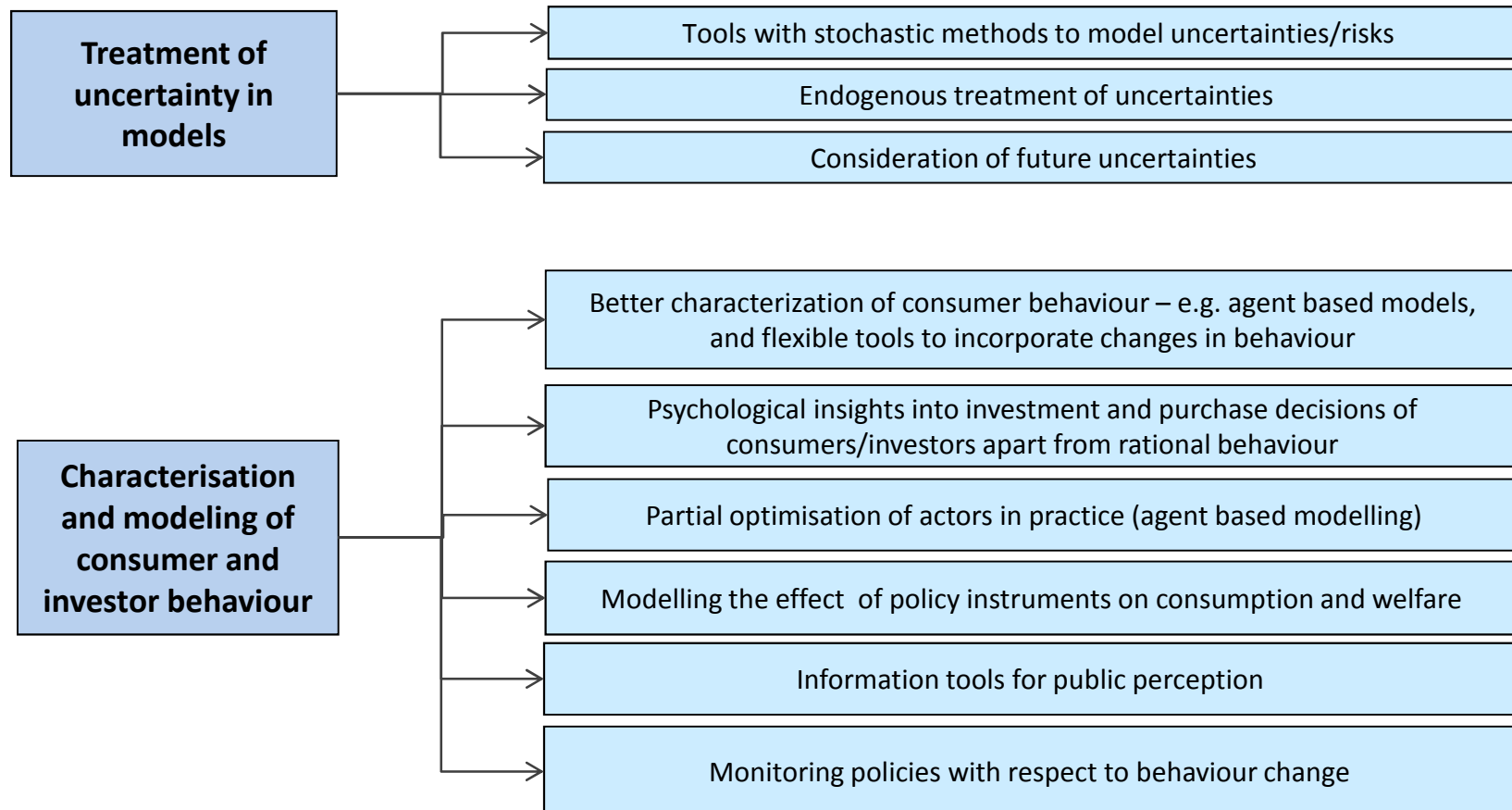
Drivers: Technoeconomic Roadmap



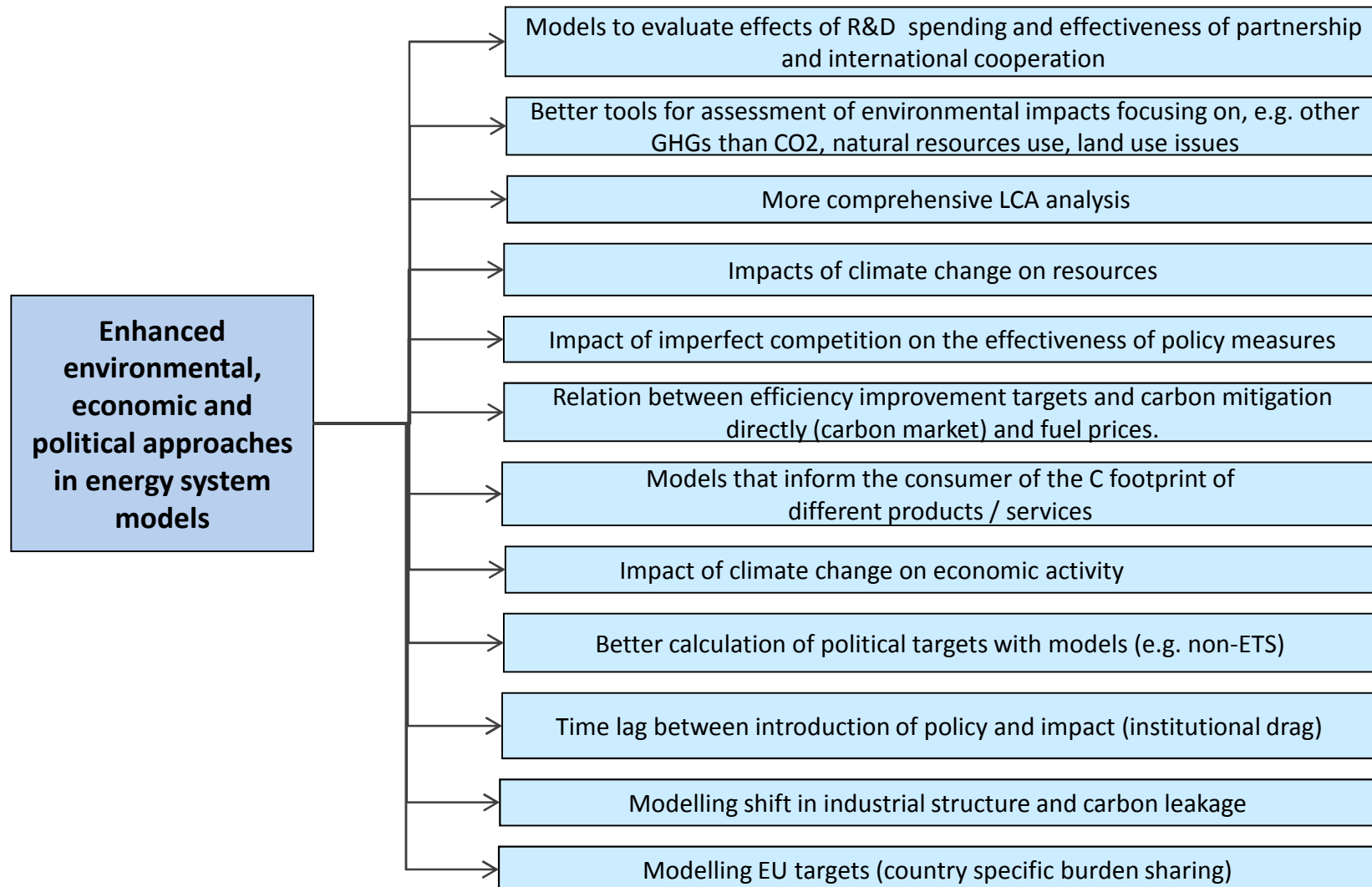
Drivers: Technoeconomic Roadmap



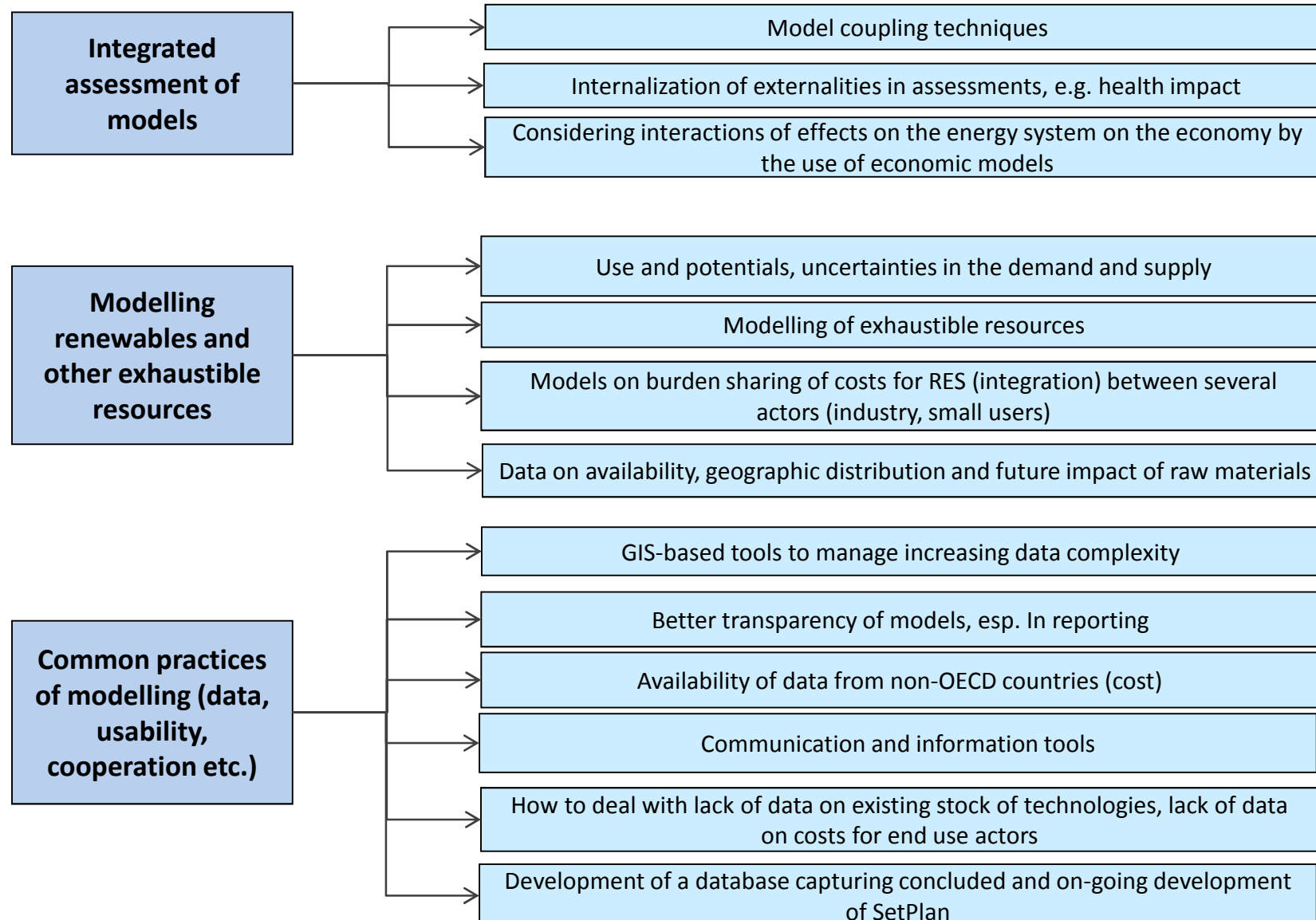
Model, tools and methodology development



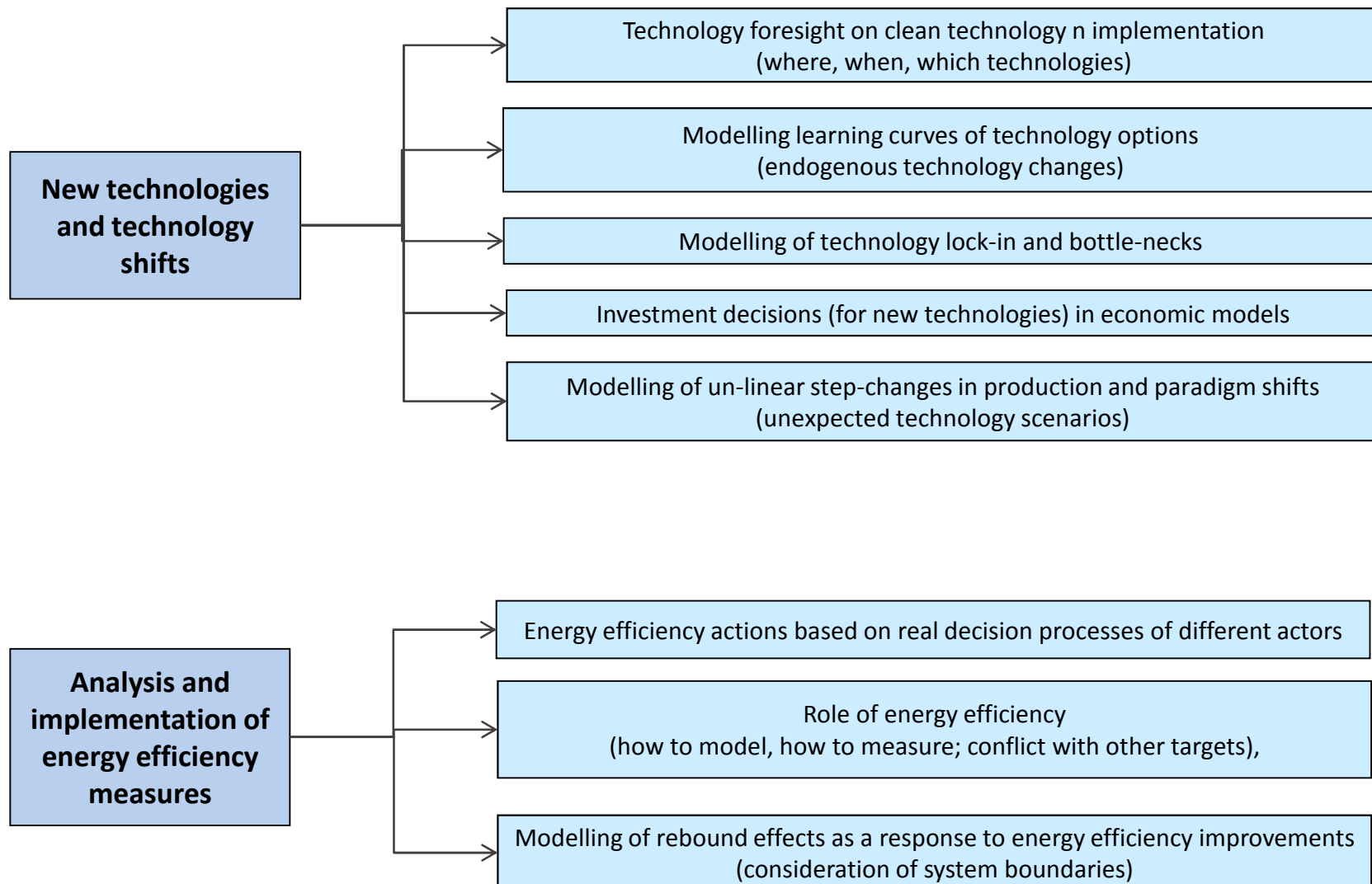
Model, tools and methodology development



Model, tools and methodology development



Model, tools and methodology development



Conclusions

- The primary focus of existing tools and models is to analyse the (technology) changes in the energy system
- Tools and methodologies focused on analysing the effectiveness of RD&D policies, consumer and/or investor behaviour and institutional factors are nearby missing. On the other hand, energy system modelling barely takes these issues into account
 - Research on the analysis of the effect of RD&D policies
 - Research on system analysis of actor (consumer, institutional, investor) behavior, awareness and public acceptability
- Increasing complexity of tomorrow's energy system requires more complex models and/or integration of several models/tools
 - Research program on integrated assessment of models, tools, methodologies and databases
 - Transparent modelling in EU decision making to set national targets
 - Complete, update and harmonize data for all MS (and if relevant outside the EU)



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