



# Towards an integrated perspective

Improving the links between the energy system and economy-wide models

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*EU Conference on modelling for policy support*

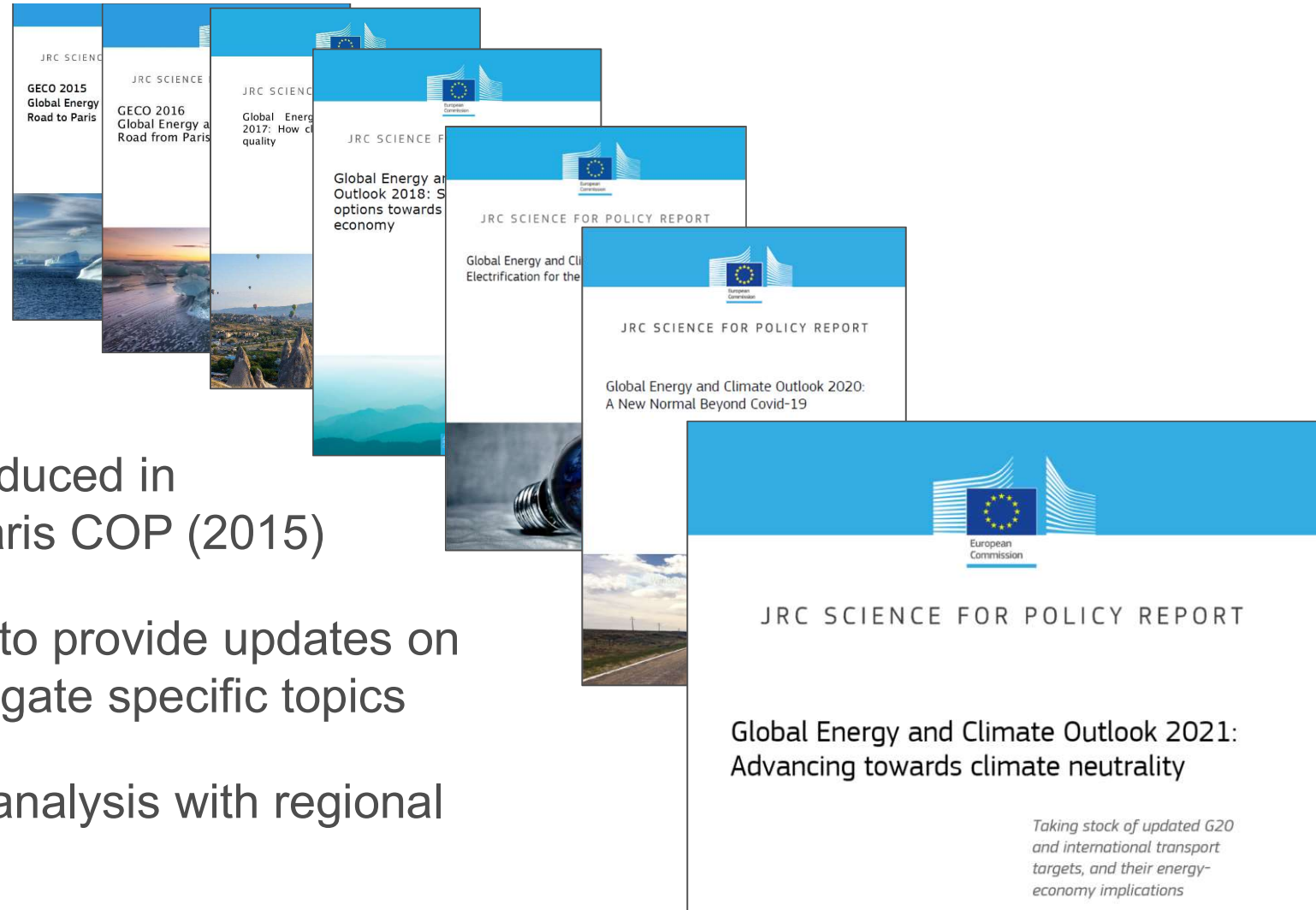
*22 November 2021*

*Session I: Ensuring model quality*

Joint  
Research  
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# Introduction

- GECO was first produced in the run-up to the Paris COP (2015)
- Published annually to provide updates on policies or to investigate specific topics
- Detailed modelling analysis with regional and sectoral detail



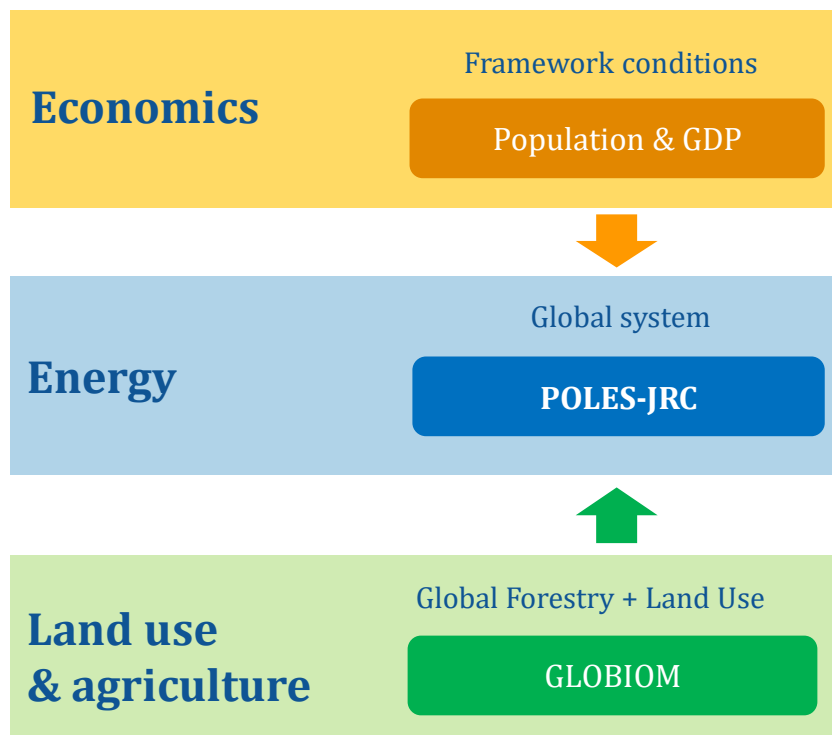
# Several models for multidimensional analysis

**Economics**

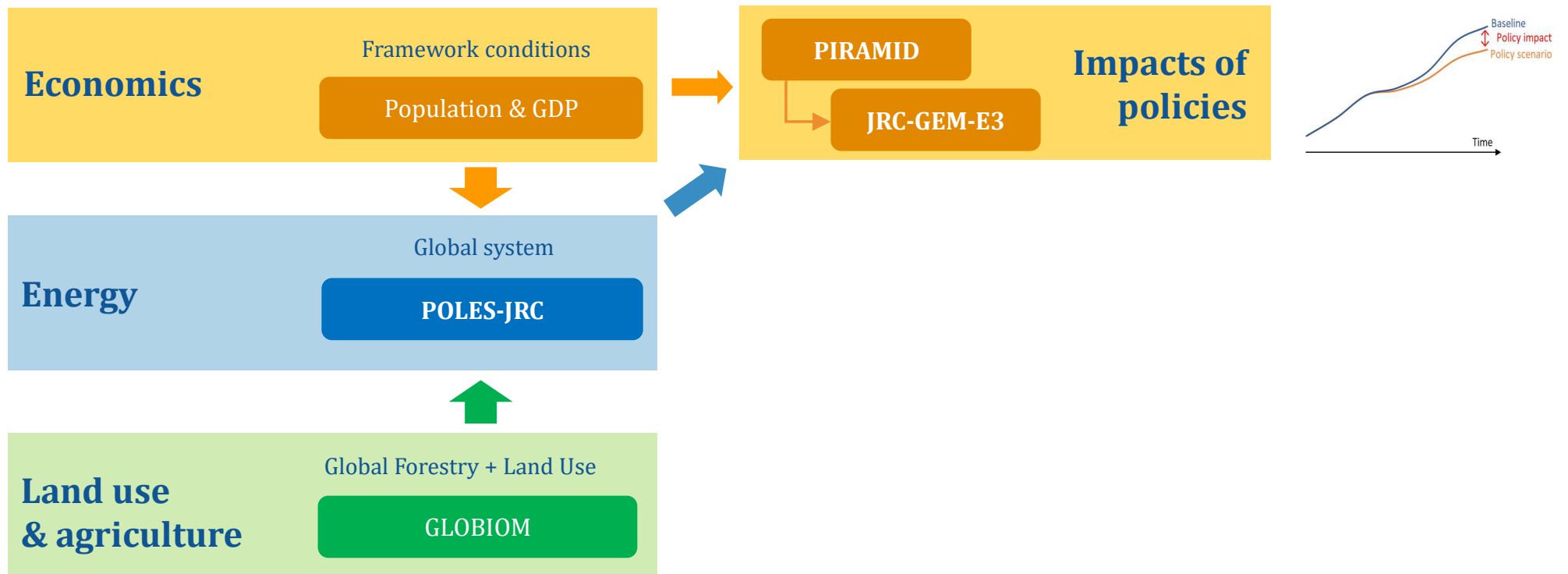
Framework conditions

Population & GDP

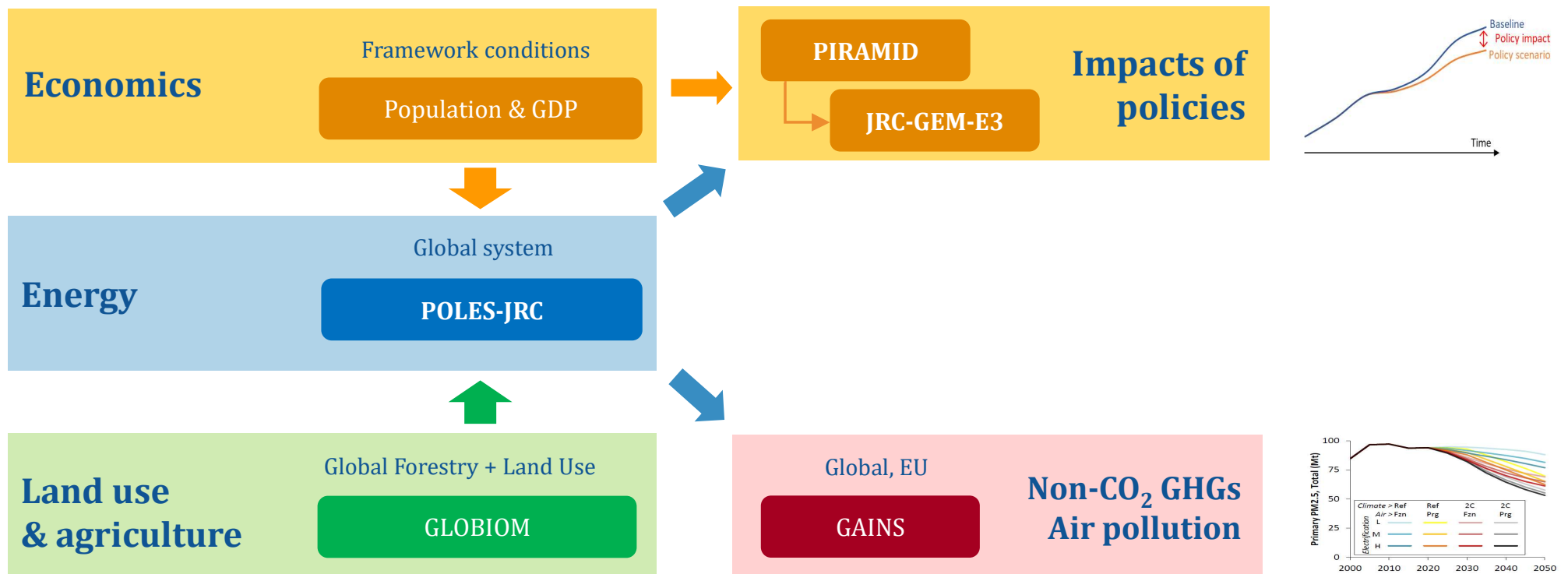
# Several models for multidimensional analysis



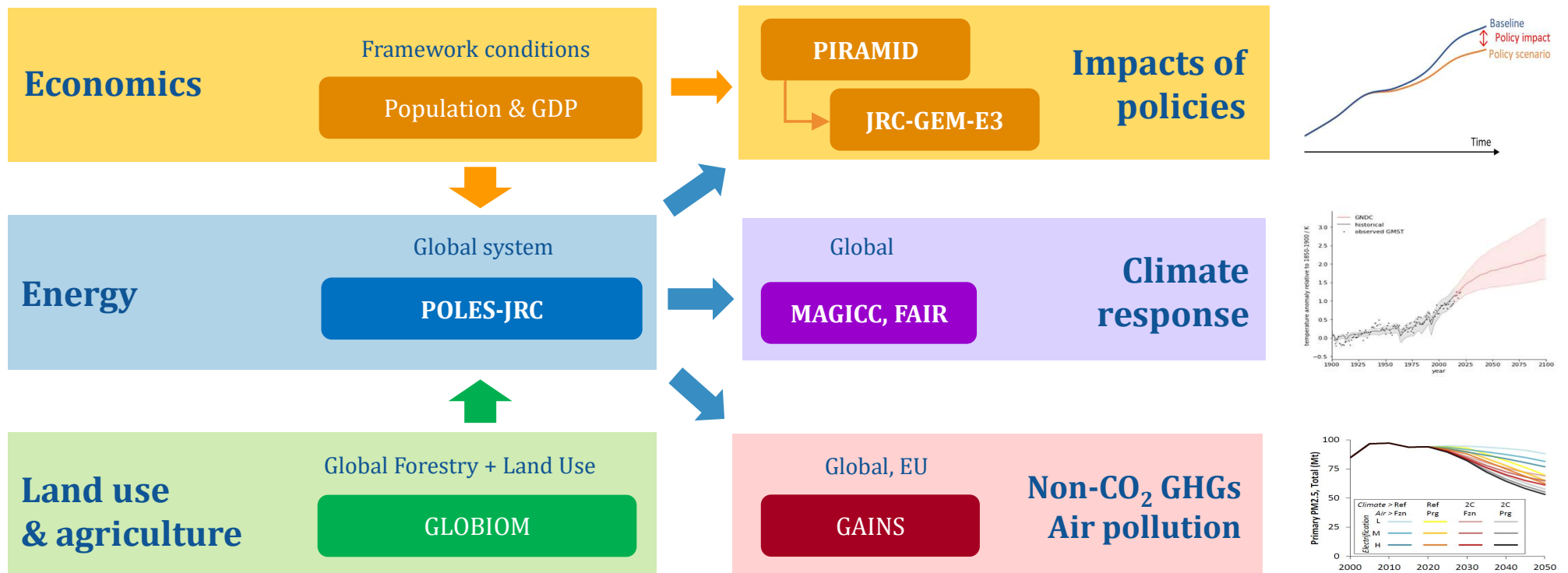
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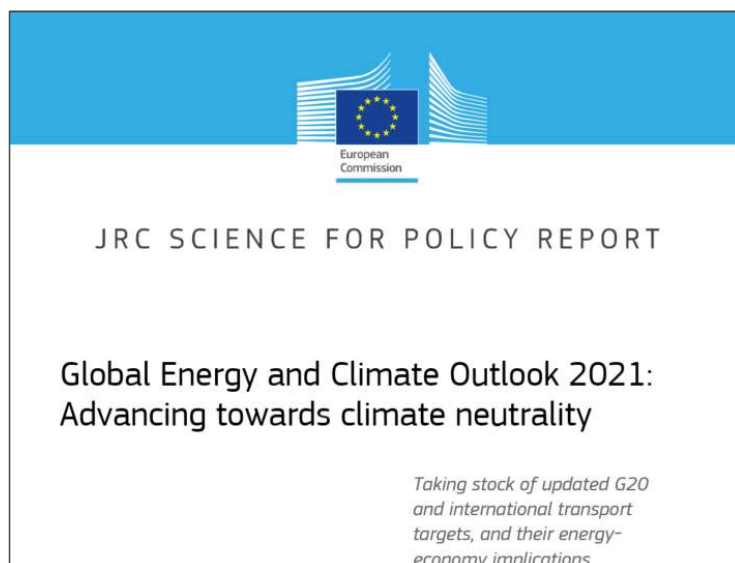


# Several models for multidimensional analysis



# Conclusions

- GECO 2021 assesses the critical role of NDCs and long-term strategies in advancing towards the Paris Agreement goals
- Challenging modelling effort that provides detailed regional and sectoral differences in abatement options and ambition



- Available soon at <https://ec.europa.eu/jrc/en/geco> with energy balances, socioeconomic implications, detailed G20 country analysis



# Thank you



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