



This presentation was held within the project ADVANCE, which has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under the grant agreement no 308329.



Planbureau voor de Leefomgeving

## Objective of the meeting

Detlef P. van Vuuren, David McCollum, Oreane Edelenbosch and Keywan Riahi



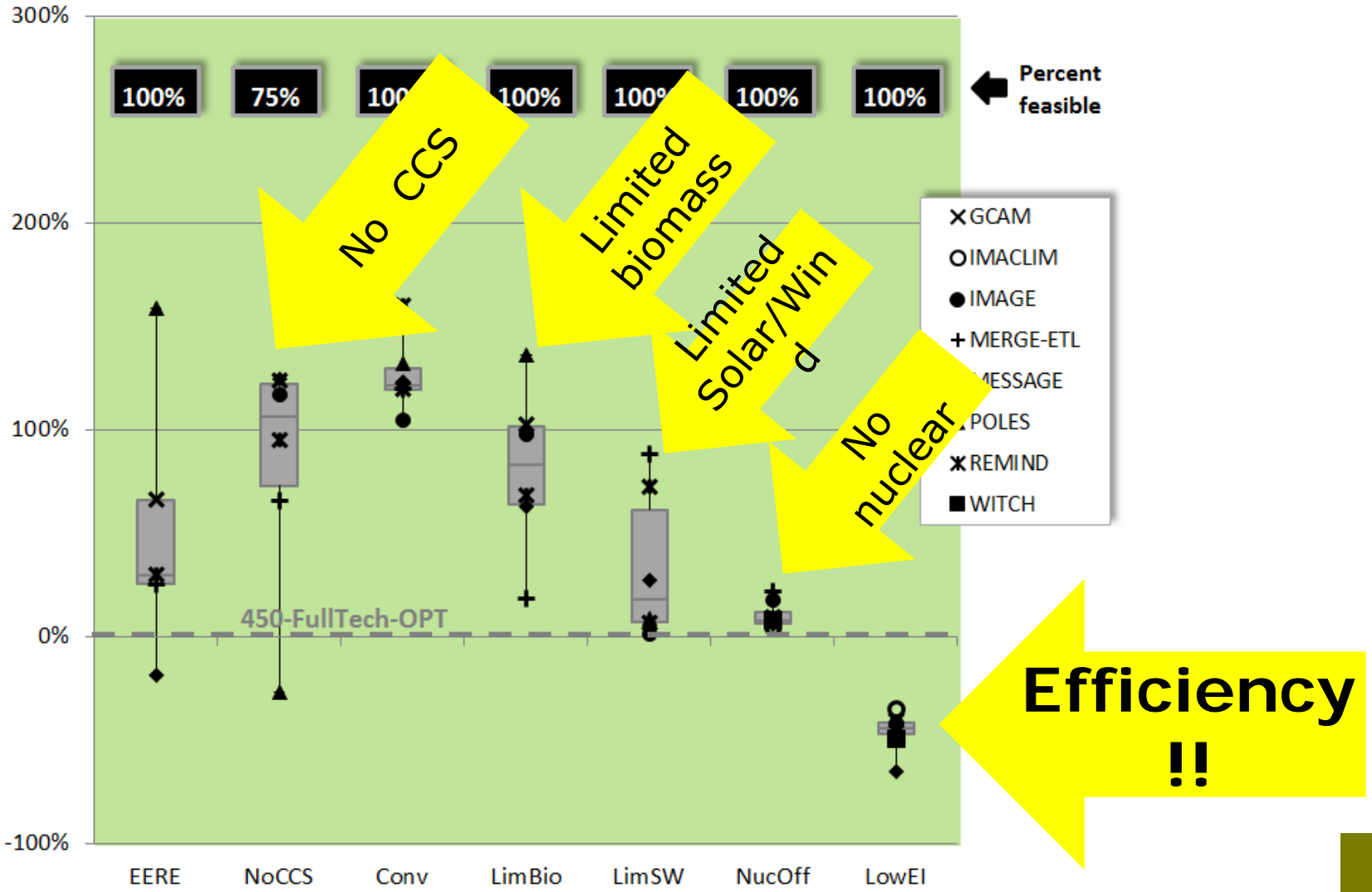
## Enhancing the state of transport modeling in IAMs

- Context ADVANCE: Better understand energy demand
  - Wide range of energy demand projections
  - Energy efficiency key mitigation option
  - Still, our models pay more attention to energy supply

# Mitigation costs depend critically on Technology (optimal cases)



Planbureau voor de Leefomgeving





# Enhancing the state of transport modeling in IAMs

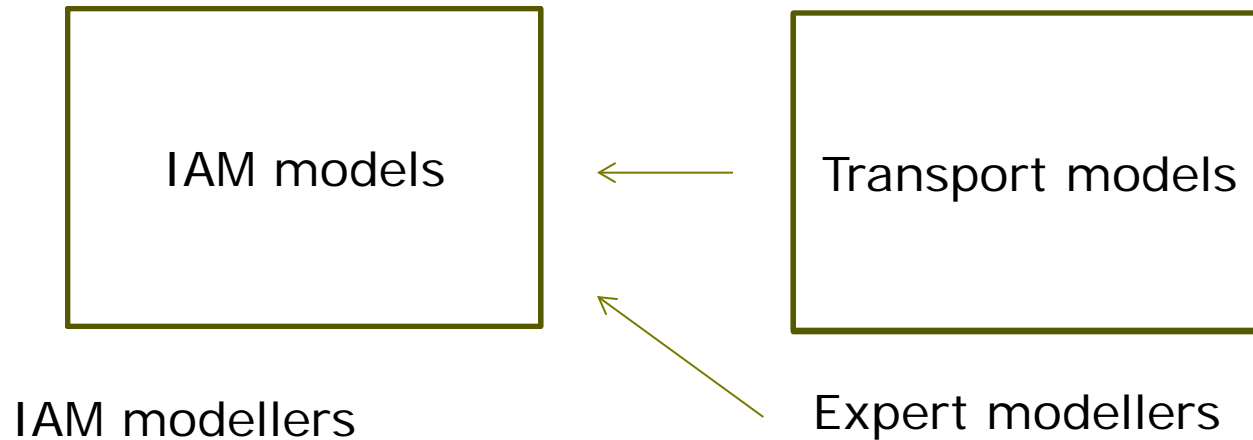
- Context ADVANCE: Better understand energy demand
  - Wide range of energy demand projections
  - Energy efficiency key mitigation option
  - Still, our models pay more attention to energy supply

## 2 ADVANCE WPs focussing on energy demand modelling

- End use and energy service demand (WP2)
- Heterogeneity, behaviour and consumer choices (WP3)

Transport is very important demand sector (fastest growing sector)  
– and according to the models, mitigation is difficult.

## ADVANCE expert dialogues



Identify priority areas / plans to improve current IAM models with respect to representation transport sector.

Identify common data needs

Identify common research areas



## ADVANCE Transport Modelling dialogues

1. What is the current status / where should IAM modelling go?
2. What data do we need / what is available?
3. What are key determinants of mode choice and service demand
4. Transport infrastructure