Collaborations and Linkages

- Regional
  - IGES Japan (INDIA)
    - Serving and retired Indian government officials
  - Indian Institute of Management Bangalore
  - IAE Japan (JAPAN)
  - EMF26 (Link with FACETS) (USA)

- Sector
  - IFP Paris
    - Biorefineries
    - Oil refineries (near future)

- Major updates
  - Electricity techs (Etech-DS)
  - Renewable potentials (NREL)
Collaborations and Linkages

Global rebound effect of road transport fuel savings in USA

Wind and Solar Electricity under EMF27 scenarios
Off-shore Wind Electricity under EMF27 scenarios

Sequestration (Geo) under EMF27 scenarios
Cooling deg days under different warming scenarios

India

ODA

Canada

China

Climate feedback on Residential Heating demand

- Lower set with feedback
- Higher without
Collaboration platform

Cooling Degree Day map for 2100 under RCP 4.5
Production mix in various US grids

Electricity production by Japanese power plants
Electricity production by Japanese power plants

Electricity production capacity in EU (PET model)
Global ELC Production mix in 2020 under RCP4.5

Next steps...

• Continue intensive use and sector/region collaborations
• Make TIAM-World and PET learn from the more detailed models
Gracias
Arigato
Shukuria
Thank You
Bolzín
Merci