

Some Key Potential Study Group Issues to Consider in EMF 34

The list of potential study group issues on the next page is designed to encourage working group members to organize groups of participants who can interact with each other to organize a work plan built around particular issues. These work plans will be discussed before, during and after the March 20-21, 2018 meeting. They should include the development of a small number of focused research questions, identification of relative literature, and development of scenarios to be run by the models represented in the study group and/or possibly ultimately by all the models represented in the study. Thus, these groups would go beyond and perhaps be motivated by issues and scenarios that individual modeling teams might decide to contribute. It is anticipated that only a handful of these topics will be pursued by March. If you want to add additional topics to this list please feel free to do so.

Please let John Weyant know if you are interested in leading one of these study groups on your own or with others. After some initial organization we will set up a way (e.g., google docs, drop box, box, etc.?) for the groups to interact directly on line. Again, the short run objective of each group should be to put together a simple work plan by the time of the March 20-21 meeting and start implementing it before or at that meeting.

Some Key Potential Study Group Issues to Consider in EMF 34

- More gas trade (e.g., based on proposed transport capacity investments)
- Variations in country specific energy price
- High renewables penetration
- Higher electricity demand (e.g., higher electric vehicle penetration)
- More focus on regionality
- More focus on energy reform in Mexico (and perhaps Canada and US)
- More focus on infrastructure
- A focus on reliability and resilience
- Intra-temporal electricity prices and quantities
- Enhanced Oil Recovery with CO₂ from CCS, including oil market impact, CCS deployment, infrastructure
- Additional cross border transmission lines scenarios
- Alternative dispatch scenarios
- Alternative generation investment assumption scenarios
- Alternative generic policy assumptions/harmonizations
- Alternative renewables cost scenarios
- Social welfare metrics
- NO_x and SO₂ emissions results and implications