

# Agenda for the 5th Annual IAMC Annual Meeting

The 5th Annual IAMC Meeting will be held at the Foundation of Renswoude, Agnietenstraat 1-30, Utrecht, Netherlands

Agenda Updated November 7, 2012

## Day 1: Monday, November 12, 2012

| Opening Plenary          |       |  | Chair: Leon Clarke               |
|--------------------------|-------|--|----------------------------------|
| 8:30                     | 8:40  | Welcome  | Pieter Boot                      |
| 8:40                     | 9:00  | Introduction   | Detlef van Vuuren / John Weyant  |
| 9:00                     | 10:00 | Report of the Scientific Working Group on Shared Socioeconomic Pathways                                  | Tom Kram / Keywan Riahi          |
| <b>10:00 10:30 Break</b> |       |  |                                  |
| 10:30                    | 11:00 | Report of the Scientific Working Group on Data Protocols and Management: Discussion of IPCC Data Request | Volker Krey                      |
| 11:00                    | 11:50 | Plenary Topic: Linking IAMs to Earth System Models   | Bill Collins / Detlef van Vuuren |
| 11:50                    | 12:40 | Plenary Topic: Challenges in Evaluation and Diagnostics  | John Weyant / Elmar Kriegler     |

**12:40 13:40 Lunch**

| Parallel Session: Climate Modeling in Integrated Assessment |       |   |  |
|---|-------|---|--|
| 13:40   | 13:45 | Introduction  | Detlef Van Vuuren, Brian O'Neill, Jae Edmonds          |
| 13:45   | 14:15 | The benefits of climate change mitigation in integrated assessment models: The role of the carbon cycle and climate component | Andries Hof et al                                      |
| 14:15   | 14:45 | Estimating carbon budgets for model comparison and policy-making  | Detlef van Vuuren                                      |
| 14:45   | 15:15 | Results of carbon cycle CMIP5 / results climate outcomes CMIP5  | Pierre Friedlingstein                                  |
| <b>15:15 15:45 Break</b>                                    |       |   |  |
| 15:45   | 16:30 | Influence Greenhouse Gas Accounting Methods   | Daniel Johansson / Keywan Riahi / Maarten van den Berg |
| 16:30   | 16:55 | The integrated Earth System Model (IESM) project  | Bill Collins/Jae Edmonds                               |
| 16:55   | 17:10 | coupling of IMAGE with EC-Earth   | Wilco Hazeleger  |
| 17:10   | 17:45 | Open Discussion: Research Priorities  | Chairs   |

| Parallel Session: Energy-Water-Land Interactions |       |  |                                    |
|--|-------|--|------------------------------------|
| 13:40  | 13:50 | Introduction   | Leon Clarke, Tom Kram, Steven Rose |
| 13:50  | 14:20 | Water modeling in the MIT iGSM framework   | Adan Schlosser et al.              |
| 14:20  | 14:50 | Modeling water, land, and energy interactions in GCAM - a water focus  | Mohamad Hejazi et al.              |
| 14:50  | 15:15 | Consistent Analysis of Different Scenarios of Climate Stabilization and Sustainable Development  | Keigo Akimoto et al.               |
| <b>15:15 15:45 Break</b>                         |       |  |                                    |
| 15:45  | 16:10 | A modeling framework for assessing Climate, Land Use, Energy and Water (CLEWs) Interactions  | Mark Howells et al.                |
| 16:10  | 16:35 | Application of AIM (Asia-Pacific Integrated Model) toward new socio-economic scenario development integrating climate change mitigation, impact and adaptation | Toshihiko Masui et al.             |
| 16:35  | 17:00 | Assessing long-term climate change stabilization using an integrated model of energy, economy, land-use and climate  | Nico Bauer et al.                  |
| 17:00  | 17:15 | AIM model approach towards Low Carbon Societies in Asia  | Mikiko Kainuma et al.              |
| 17:15  | 17:45 | Open Discussion: Research Priorities   | Chairs                             |

**Day 2: Tuesday, November 13, 2012**

**Parallel Session: Evaluation, Diagnostics, and Uncertainty in Integrated Assessment Modeling**

|                          |       |   |   |
|--------------------------|-------|---|---|
| 8:30                     | 8:40  | Introduction  | Elmar Kriegler, Massimo Tavoni, John Weyant |
| 8:40                     | 9:05  | Latest advancements in Uncertainty analysis in IAMs   | Mort Webster                                |
| 9:05                     | 9:30  | Sobol method applied to DICE  | Pat Reed                                    |
| 9:30                     | 9:55  | Technology uncertainty and optimal R&D portfolios (Overview of the TEaM Project)  | Massimo Tavoni                              |
| 9:55                     | 10:20 | Probabilistic cost estimates for climate change mitigation  | Joeri Rogelj et al.                         |
| 10:20                    | 10:45 | The Min-max Regret and the Max Expected Utility Strategies for the Climate Policy Evaluations under Uncertainties by the expansion of Integrated Assessment Model MARIA | Shunsuki Mori                               |
| <b>10:45 11:15 Break</b> |       |   |   |
| 11:15                    | 11:40 | Evaluating integrated assessment models with stylized facts - an exercise with ReMIND   | Jana Schwanitz et al.                       |
| 11:40                    | 12:05 | A hindcasting experiment in GCAM  | Leon Clarke/Jae Edmonds                     |
| 12:05                    | 12:25 | A conceptual approach to the evaluation and diagnosis of integrated assessment models   | Rich Rosen                                  |
| 12:25                    | 13:00 | Open Discussion: Research Priorities  | Chairs                                      |

**Parallel Session: Impacts and Adaptation in IA Research**

|                          |       |  |  |
|--------------------------|-------|--|--|
| 8:30                     | 8:40  | Introduction   | Juan-Carlos Ciscar, Toshihiko Masui, Keywan Riahi  |
| 8:40                     | 9:05  | Consequences of shifting pathway from RCP8.5 to RCP4.5   | Asbjørn Aaheim et al.                              |
| 9:05                     | 9:30  | Economic consequences of climate change  | Santosh Joshiy et al.                              |
| 9:30                     | 9:50  | Economic effects of climate change in the agricultural sector – towards a closed loop assessment                         | Franziska Piontek et al.                           |
| 9:50                     | 10:15 | Impacts analysis in GCAM   | Kate Calvin  |
| 10:15                    | 10:45 | Multi-model comparison projects: ISIMIP, AgMIP   | Dominique van der Menschbrugge / Franziska Piontek |
| <b>10:45 11:15 Break</b> |       |  |  |
| 11:15                    | 11:40 | Multiple impacts of global air pollution: Tools, Methods and Applications  | Dentener et al.                                    |
| 11:40                    | 12:05 | Modelling the climate impacts in Europe (the JRC PESETA II project)  | Juan-Carlos Ciscar                                 |
| 12:05                    | 12:30 | The Benefits of Mitigation Policies for the United States: EPA's Climate Change Impacts and Risk Analysis (CIRA) Project | Jim McFarland                                      |
| 12:30                    | 13:00 | Open Discussion: Research Priorities   | Chairs   |

**13:00 14:00 Lunch**

**Closing Plenary | Chair: Leon Clarke**

|                          |       |  |                          |
|--------------------------|-------|--|--------------------------|
| 14:00                    | 14:30 | Update on Integrated Activities            | Study Leaders            |
| 14:30                    | 15:30 | Parallel Session Reports (15 minutes each) | Rapporteurs              |
| <b>15:30 16:00 Break</b> |       |  |                          |
| 16:00                    | 16:30 | IAMC Priorities                            | Jae Edmonds              |
| 16:30                    | 17:45 | Open Discussion: IAMC Priorities           | Chair: Detlef van Vuuren |