

| | Monday 27/8 | Tuesday 28/8 | Wednesday 29/8 | Thursday 30/8 | Friday 31/8 |
|-------------|--|--|---|--|---|
| Theme | Global change | Climate changes impacts | Regional Modeling | Uncertainties | Projects |
| 09.00-10.30 | Welcome and introduction | Tim Carter / Stefan Fronzek | Jens H Christensen / Markku Rummukinen | Markku Rummukainen / Melissa Bukovsky | Work on assignment |
| 10.30-11.00 | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | Coffee Break |
| 11.00-12.30 | Martin Drews / Jens H Christensen | Eleonor Blyth Stefan Fronzek / Tim Carter | Erika Coppola | Tim Carter / Stefan Fronzek | Work on assignment |
| 12.30-13.30 | <i>Lunch</i> | <i>Lunch</i> | <i>Lunch</i> | <i>Lunch</i> | <i>Lunch</i> |
| 13.30-15.00 | Jens H Christensen / Martin Drews | Stefan Fronzek / Tim Carter | Melissa Bukovsky / Eleanor Blyth | Martin Drews / Jens H Christensen | Presentation and discussion of projects |
| 15.00-15.30 | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> |
| 15.30-17.00 | Introduction... | Exercise work:... | Exercise work:... | Work on assignment | Evaluation and closing of the course |
| 17.00-18.00 | Groups are formed definition of projects | Work on assignments and study time (groups) | CITY OF L'AQUILA TOUR | Work on assignments and study time (groups) | |
| | Ice breaker | | Course dinner | | |

Monday:

Session 1: Wellcome

Tour de table

Session 2: (MD/JC) Climate modeling 101

Session 3: (JC/MD) Climate change; D&A; IPCC; projections

Session 4: Projects and exercises

Our expectations

Tools

PPT

Tuesday:

Session 1: (TC/SF) + Session 3 (SF/TC) + Exercise work Scenario development for undertaking impact and adaptation assessment. We will demonstrate and contrast the importance of future climate and non-climate information, in different impact contexts. We then explore the importance of different types of climate projections for impact studies, e.g. contrasting simple approaches versus complex; sensitivity analysis; global vs regional model outputs; annual, seasonal, monthly, daily time step information. We could illustrate the added value of resolution using some simple impact models or indicators with pre-prepared climate information for a simple exercise in the afternoon

Session 2: (EB) The role of climate change in the hydrological sector

Wednesday:

Session 1: (MR/J) Regional climate modeling 101 and challenges

Session 2: (EC) Current developments, introducing aspects of going towards the convective permitting scale modeling, benefits as well as challenges related to provide credible climate information at those scales

Session 3 (MB/EB) Downstream usage of RCM information

Thursday:

Session 1: (MR/MB) Uncertainty cascade in climate information, the communication of uncertainties

Session 2: (TC/SF) On the significance of various regional model outputs (for impact assessment and uncertainty evaluation)

Session 3: (MD/JC) Portraying model uncertainty, robustness and real world uncertainty