



## Quantitative Modelling Workshop

(arrival on Wed, May 18<sup>th</sup>, 2016) May 19<sup>th</sup> and 20<sup>th</sup>, 2016

Organisation: University of Graz, Austria

Location: *University of Graz, main building, SZ 01.18, Universitaetsplatz 3, A-8010 Graz, Austria*

- Objectives:**
- see the status of our models and their applications in case studies
  - clarify how to make results comparable
  - further adjust and agree on specific issues in scenario settings/reference parameters
  - thus enable a proceeding to allow for consistent conclusions in the further project

### To be done in preparation:

- List of specific core questions of each case study
- The workshop could further contribute to which models to be applied in which case Studies
- Timeline:
  - a) upload specific case study questions **by April 22** (by case study leads)
  - b) clustering of questions **by April 29** (by WP3 lead)
  - c) bilateral discussion between case studies and modellers to explore potential fits, improve research questions,.. **(between April 22 and May 12)**
  - d) model assignments to case studies and co-benefit analyses (first draft) by **May 12** (by each modelling team)
- First model runs to indicate and discuss demands and consistency issues: prepare to present the issues encountered (for Th afternoon session)
- Prepare to provide examples on model uncertainty analyses (for Fr morning session)

### May 18<sup>th</sup> 2016

Travel to Graz

***Pre-workshop get together at Krebsenkeller*** (Sackstrasse 12, downtown Graz, close to main square), starting at 7 p.m., join at any time

### May 19<sup>th</sup> 2016:

#### Consistent quantitative modelling and case studies

|                             |  |
|-----------------------------|--|
| <b>9:00 - 12:30<br/>CET</b> | <p>Welcome and objectives of the Workshop (Uni Graz - Karl)</p> <p>Matching of case study questions and models available</p> <p>based on documents as developed in preparation to this Workshop (see section "to be done in preparation" above)</p>                        |
| <b>12:30 - 13:30</b>        | <b>Lunch</b>   |
| <b>13:30 -17:30<br/>CET</b> | <p>Ensuring comparability across quantitative model simulations: requirements for scenario settings / parameter specifications</p> <p>Data base for parameters, how to organize</p> <p>Selection of SSPs to be used</p> <p>Flexibility range within case studies .....</p> |
| <b>20:00</b>                | <b><i>TRANSrisk dinner at Glöcklbräu</i></b>   |

**May 20<sup>th</sup> 2016**  
**Modelling and Uncertainties**

|                             |   |
|-----------------------------|---|
| <b>9:00 - 13:30<br/>CET</b> | <p>How do our models currently treat and depict uncertainty?</p> <p>What are the model-inherent uncertainties?</p> <p>How can quantitative ranges of uncertainty be derived from our models to get bandwidths?</p> <p>Consistency across models in uncertainty quantification</p> |
| <b>13:30 - 14:30</b>        | <b>Lunch</b>  |
|                             | End of workshop   |