

#### **1.4.5 Evaluation of Models and Data Sets for their Use in Climate Impact Analysis and Environmental Issues**

Regional climate model and data comparisons should be performed at different scales. Regional-scale flux estimates such as those resulting from activity 1.4.3 shall be used for evaluation of coupled climate models. For an improved evaluation of coupled models, the communication structure put forward in activity 1.4.2 includes scientists and groups which are conducting and exploring field measurements. This will allow for a more efficient, timely and intelligent use of available measurements and resources. In turn, it will lead to the setup and execution of more focussed monitoring programs, instrument development, and field experiments necessary for improved evaluation of different model components and the models as a whole.