### 3. Case studies

The potentials and shortcomings of the new models in real practice at Schiphol airport will be shown to the users by several case-studies. IMPACT Phase 1 will mainly focus on cases concerning the occurrence of fog in relation to land properties, such as land-use, soil-type and vegetation, the intensity of rainfall and local winds related to heavy showers, and the formation of low clouds.

### 4. Adaptation strategies

In follow-on phases the IMPACT models will be used as dynamical downscaling tools. By subjecting the models with large scale future climate conditions, which are produced by climate models, assessments can be made on the climatology of local weather extremes such as fog, low clouds and precipitation amounts. This knowledge can be used to develop adaptation strategies, for example for environmental planning in the Schiphol area.