

## RESEARCH THEMES

### Climate Change

- Regional Climate Modelling and Predictions
- Air Quality-Climate Interactions
- Climate-Ecosystem Interactions

### Atmospheric Composition

- Measurements and Modelling of Aerosol Formation and Transformation
- Aerosol-Cloud Interactions
- Reactive and Trace Gas Cycling
- Combustion Chemistry
- Anthropogenic Fuel Emissions

### Air Quality

- Measurements of Urban and Regional Air Quality
- Air Quality Modelling
- Quantification of Long-Range and Hemispheric Transport of Pollutants
- Indoor Air Quality and Occupational Hygiene

### Atmosphere-Ocean Exchange

- Biogeochemical Cycling
- Air-Sea Fluxes of Greenhouse and Reactive Gases
- Air-Sea Fluxes of Aerosols
- Coupled Ocean-Atmosphere Modelling
- Modelling of Tidal Surges and Flooding

### Climate-Ecosystem Interactions

- Impacts of Marine Algae on Climate
- Impacts of Pollution and Environmental Change on Ecosystems



