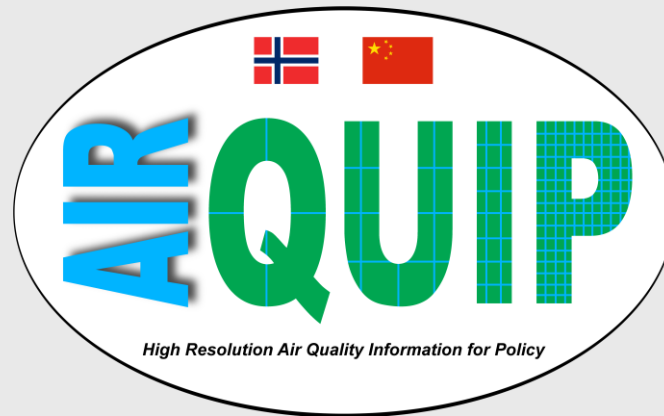




Norwegian  
Meteorological  
Institute



# Overview of the AIRQUIP project

Michael Gauss and the AIRQUIP team  
*Norwegian Meteorological Institute*

20 April 2017

# AIRQUIP – Key info



- High Resolution Air Quality Information for Policy
- Duration: **1 March 2017 – 29 February 2020**
- Partners: Norwegian Meteorological Institute, Norwegian Computing Center, Jinan University, Tsinghua University

- Funded by:  
The Research Council of Norway
- Total budget: ~8 million NOK
- Main subject:  
*Downscaling of air pollution data*



# AIRQUIP – Main objectives

- Downscaling air quality information in Norway (and Europe)
  - close the gap between regional modelling and local scale applications, e.g. **population exposure studies and source allocation**
- Apply the tool in China
  - ...for a selection of populated areas
- Promote its use in Norway (and Europe) and in China
  - **support policy decisions on emission reduction measures**
  - increase the dialogue between scientists, health experts and policy makers
- Strengthen collaboration between Norwegian and Chinese air pollution scientists

# AIRQUIP – Work packages

## **WP 1: Data acquisition**

(Lead: Arnt-Børre Salberg / Qiang Zhang)

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## **WP 2: Improvement of regional Air quality forecasts**

(Lead: Hilde Fagerli / Xuemei Wang)

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## **WP 3: Development of downscaling method for EMEP**

(Lead: Bruce Denby)

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## **WP 4: Operational downscaling of regional air quality data**

(Lead: Matthieu Pommier)

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## **WP 5: Population exposure and Scenario calculations**

(Lead: Hilde Fagerli)

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## **WP 6: Outreach**

(Lead: Michael Gauss / Xuemei Wang)

# WP6 : Outreach

- Establishment and maintenance of webpage, including operational products
- Organization of user workshops, one in Norway and one in China (including user reference group)
- Reporting: presentations (e.g. LRTAP), peer-reviewed papers, maps to [www.geonorge.no](http://www.geonorge.no)



AIRQUIP kickoff meeting



Oslo, 19/20 April 2017



# AIRQUIP – Envisaged products

- Regional daily Air Quality Forecasts
- Downscaled Air Quality data for selected regions
  - Norway
  - Netherlands, ...
  - Chinese megacities or 'smaller' cities
- Source allocation
- Population exposure
- Green scenarios
  
- Website : <https://wiki.met.no/emep/airquip>
  - (to be moved to a dedicated website soon!)

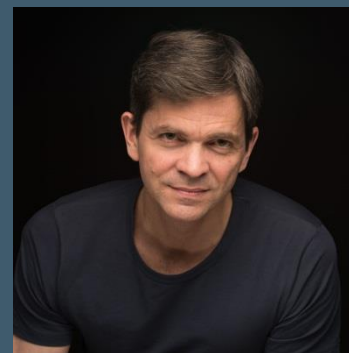
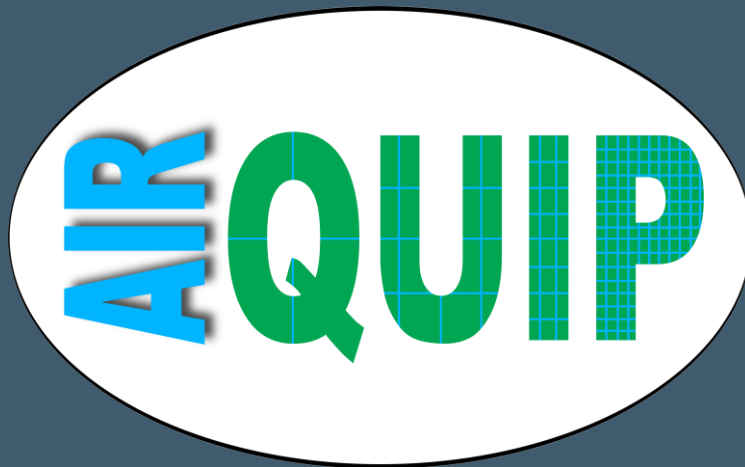
# User panel

- **Susanne Lützenkirchen:** Bymiljøetaten i Oslo *Agency for Urban Environment* (local air pollution / policy advice)
- **Marit Låg:** Folkehelseinstituttet *Norwegian Institute of Public Health* (health applications)
- **Isabella Kasin:** Miljødirektoratet *Norwegian Environment Agency* (air pollution / policy advice)
- **Stefan Reis:** Centre for Ecology and Hydrology (science applications)
- **NN:** Bymiljøetaten i Bergen
- **NN:** Rural air quality?
  
- **NN:** Chinese user, e.g. IAP/Chinese Academy of Sciences
- **NN:** Chinese user, e.g. Guangdong Provincial Environmental Monitoring Center
- **NN:** Chinese user, e.g. Environmental Research Institute of Guangzhou
- **NN:** Chinese user
- **NN:** Chinese user



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# Thank you!



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