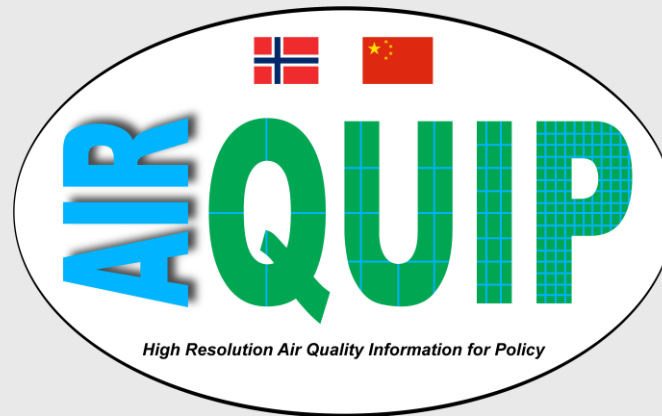




Norwegian
Meteorological
Institute



AIRQUIP deliverables

Michael Gauss

Norwegian Meteorological Institute

19 April 2017

AIRQUIP – Work packages

WP 1: Data acquisition

(Lead: Arnt-Børre Salberg / Qiang Zhang)

WP 2: Improvement of regional Air quality forecasts

(Lead: Hilde Fagerli / Xuemei Wang)

WP 3: Development of downscaling method for EMEP

(Lead: Bruce Denby)

WP 4: Operational downscaling of regional air quality data

(Lead: Matthieu Pommier)

WP 5: Population exposure and Scenario calculations

(Lead: Hilde Fagerli)

WP 6: Outreach

(Lead: Michael Gauss / Xuemei Wang)

WP1 : Data acquisition

Lead: Arnt-Børre Salberg / Qiang Zhang

- 1st set of proxy data for Norway / **Dec 2017**
- 1st set of proxy data for China / **Dec 2017**
- Paper on satellite-derived traffic density / **Dec 2018**
- 2nd set of proxy data for Norway / **Dec 2018**
- 2nd set of proxy data for China / **Dec 2018**

WP2 : Improvement of regional Air quality forecasts

Lead: Hilde Fagerli / Xuemei Wang

- Continuation of PANDA forecasts / **operational**
- Diurnal profiles of NO₂ in China / **Sep 2017**
- Improving NO₂/ozone and PM in EMEP / **Sep 2018**
- Report on improvements in EMEP model / **Mar 2019**

WP3 : Development of downscaling method for EMEP

Lead: Bruce Denby

- Implementation of uEMEP into EMEP / **Jun 2018**
- Development of downscaling methodology / **Sep 2018**
- Report on implementation of uEMEP / **Jun 2018**
- Paper on redistribution methodology / **Dec 2018**

WP4 : Operational downscaling of regional air quality data

Lead: Matthieu Pommier

- Fine-scale air quality forecasts Norway / **operational 2019**
- Local air quality forecasts **Beijing** / **operational 2019**
- Local air quality forecasts **Guangzhou** / **operational 2019**

WP5 : Population exposure and Scenario calculations

Lead: Hilde Fagerli

- Population exposure calculations Norway / **Sep 2019**
- Population exposure for Chinese cities / **Sep 2019**
- Paper on downscaled source allocation / **Jan 2019**
- Paper on enhanced resolution exposure / **Dec 2019**
- Report on emission reduction impact / **Sep 2019**
- Paper on population exposure / **Dec 2019**

WP6 : Outreach

Lead: Michael Gauss / Xuemei Wang

- Establishment of the AIRQUIP website / **Jun 2017**
- Establishment of user panel / **Jun 2018**
- Extension of AIRQUIP website / **Sep 2017 - Dec 2019**
- Organization of user workshop Norway / **Mar 2018**
- Organization of user workshop China / **Jun 2018**
- AQ maps for Norway publicly available / **Jun 2019**
- Policy document for authorities / **Jun 2019**
- Popular science article in newspaper / **Jun 2019**

AIRQUIP – Envisaged products

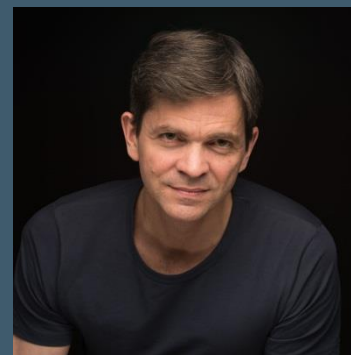
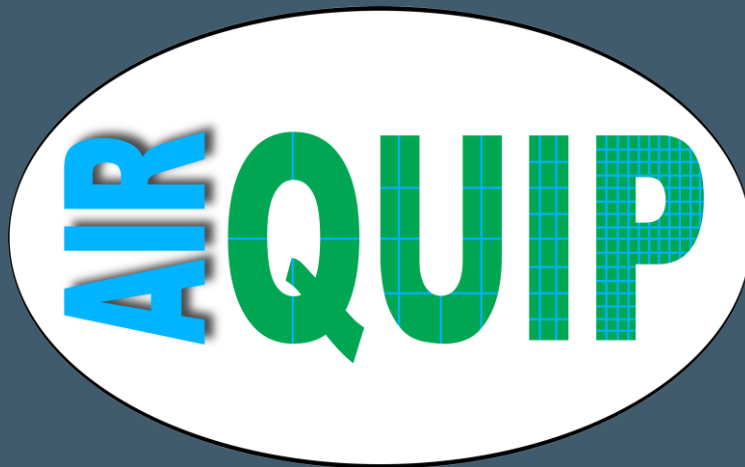
- Regional Air Quality Forecasts (continuation of PANDA)
- Downscaled Air Quality data for selected regions
 - Norway
 - Netherlands
 - Chinese megacities or ‘smaller’ cities
- Source allocation
- Population exposure
- Green scenarios

- Website : <https://wiki.met.no/emep/airquip>
 - (to be moved to a dedicated website soon!)



Norwegian
Meteorological
Institute

Thank you!



Michael Gauss
michael.gauss@met.no