



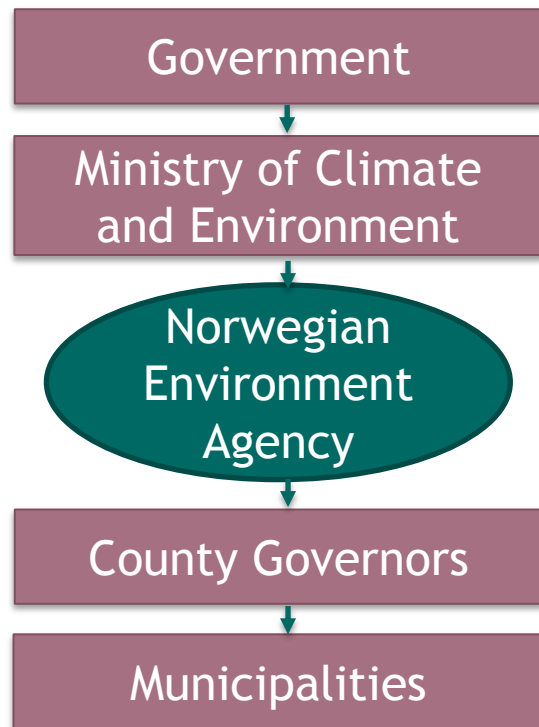
# National air quality modelling with uEMEP

Isabella Kasin, Norwegian Environment Agency



# This is us

- Agency under the Ministry of Climate and Environment
- Established 2013
- About 700 employees - mainly in Trondheim and Oslo



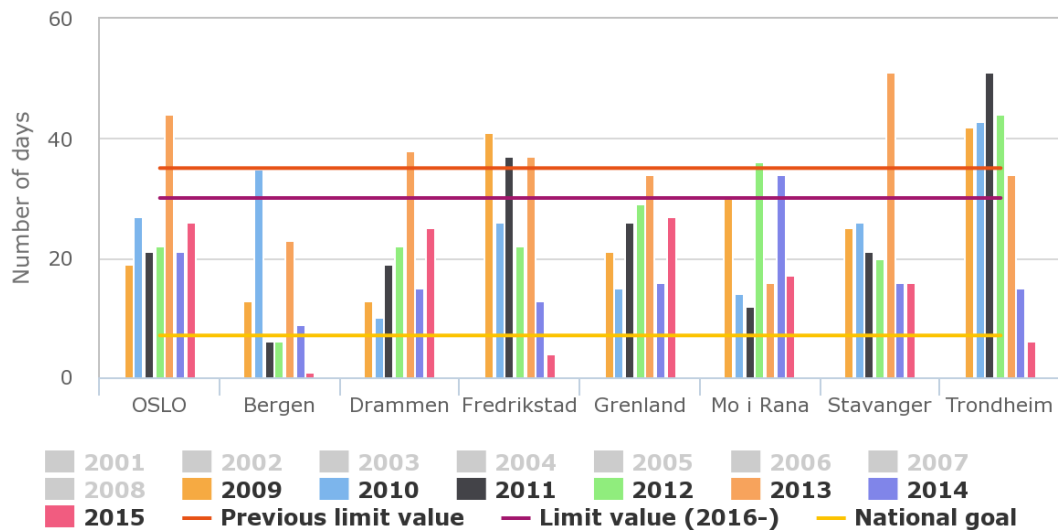
# Our functions

- Compile and disseminate knowledge about the environment
- Implement policy
- Environment watchdog
- Management and guidance on the regional and municipal levels
- Policy advice on environmental issues
- International co-operation



Photo: Kim Abel, Naturarkivet

# Air quality in Norway



Source: Sentral database for luftovervåkningsdata Licence: NLOD

Number of days with exceedances of particulate matter levels. Exceedance level: 50 µg/m<sup>3</sup> PM daily average concentration

# Air quality in Norway



The screenshot shows a news article from VG NYHETER. The main headline is "Norge dømt for farlig høy luftforurensning" (Norway found guilty of dangerously high air pollution) with a sub-headline "ESA: Nå må Norge få ned utslippene" (ESA: Now Norway must reduce emissions). The article is dated December 18, 2014, and is categorized under "Internal Market". A sidebar on the left lists navigation options like "Press Releases", "Internal Market", "State Aid", etc. The main text begins with "The air quality in a number of Norwe..." and "and cleaner air. Therefore, the EFT...". Below the text is a photograph of a traffic jam on a road.

**VG NYHETER**

< Nyheter

## Norge dømt for farlig høy luftforurensning

### ESA: Nå må Norge få ned utslippene

Browse by year: **2014**

December

**Internal Market**

**Internal Market: Norwa**

18.12.2014

PR(14)73

The air quality in a number of Norwe... and cleaner air. Therefore, the EFT,



# Need for better data

- Limited knowledge - limited use
- Increased modelling activity on local scale is needed
- Increased national facilitation and coordination of modelling
  
- 2014 - 2016 development of a national modelling tool for air quality (7 cities)



# Need for better data

- 2017: National air quality collaboration «Luftsamarbeidet»



Collaboration concerning air quality data, modelling, forecasting, status (limit values etc.)

# EMEP4NO/uEMEP as national solution

- Development of EMEP4NO/uEMEP parallel to AIRQUIP
- Met. data from the AROME-modell, 2,5x2,5 km<sup>2</sup> grid
- Emissions database, e.g. from the national modelling tool for air quality (7 cities)
- Operational implementation 2018

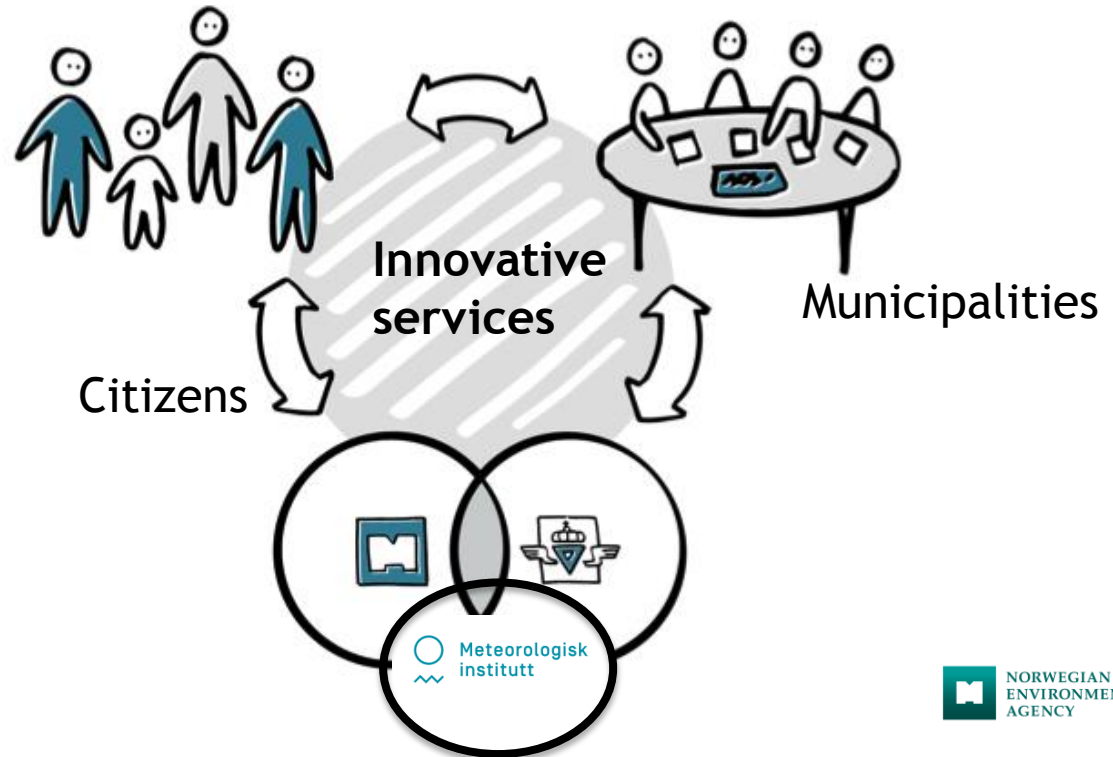


Provide better data for air quality management, nationwide!



# Better services

- Servicedesign project, 2017
- Focuses on the needs of users
- Specifications for technical solutions





[www.miljodirektoratet.no](http://www.miljodirektoratet.no)