



Air quality data management in Finland

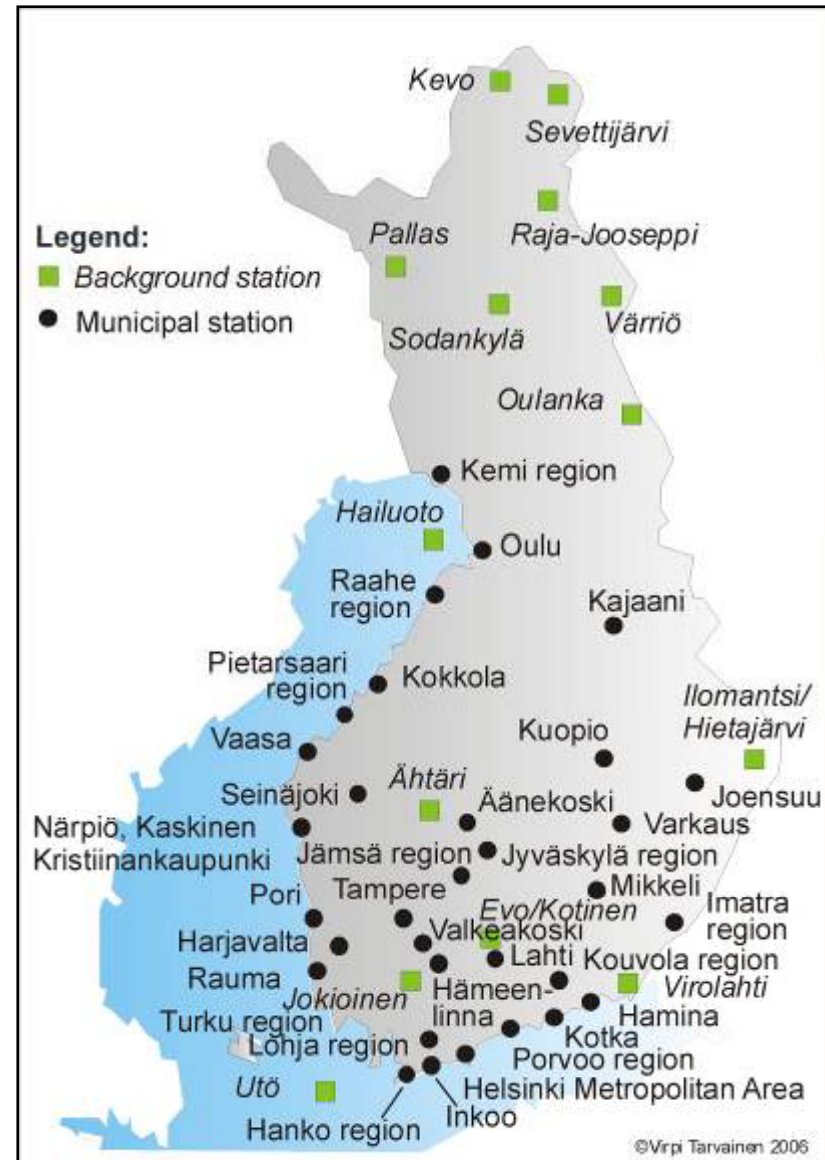
About 150 measurement stations in 60 localities; 35 measuring organisations.

Background measurements are carried out by FMI.

Municipal stations operated by local environmental authorities.

Data collected to the National Air Quality Data Base (ILSE), maintained by the FMI.

Source: Finnish National Air Quality Data Base (ILSE), Finnish Meteorological Institute.





ILMATIETEEN LAITOS
METEOROLOGISKA INSTITUTET
FINNISH METEOROLOGICAL INSTITUTE



All air quality data available through a national web portal

Has been opened in May 2007.
Includes real-time monitoring data;
all available historical data (since
1970) will be available in autumn.

Benefits:

- improves environmental awareness,
- promotes the use of air quality data for research purposes, and
- facilitates reporting of air quality data to EU and international monitoring programmes.

Constructed and maintained by the
FMI / Air Quality Information Unit.

The screenshot shows the website interface for the Finnish Air Quality Information Unit. The page title is "Ilmanlaatu.fi - Ilmanlaatu Suomessa - Ilmanlaatu.fi". The main content area includes a navigation menu with "Ilmanlaatu nyt", "Tarkistatut mittaustulokset", "Ilmanlaadun mittausreitit", and "Tietoa Ilmanlaatu.fi:stä". The main heading is "Tervetuloa valtakunnalliseen ilmanlaatuportaaliin" (Welcome to the national air quality portal). Below this, there is a section for "Ilmanlaatu nyt" (Air quality now) dated 07.06.2007 klo 11:12, which includes a map of Finland with colored dots representing monitoring stations. A legend below the map indicates air quality levels: Hyvä (Good), Tyydyttävä (Satisfactory), Välttävä (Avoidance), Huono (Poor), and Erittäin huono (Very poor). The page also features a "Ajankohtaiset tiedotteet" (Current news) section with dates and links to news items. At the bottom, there are logos for the Finnish Meteorological Institute and the Ministry of the Environment.

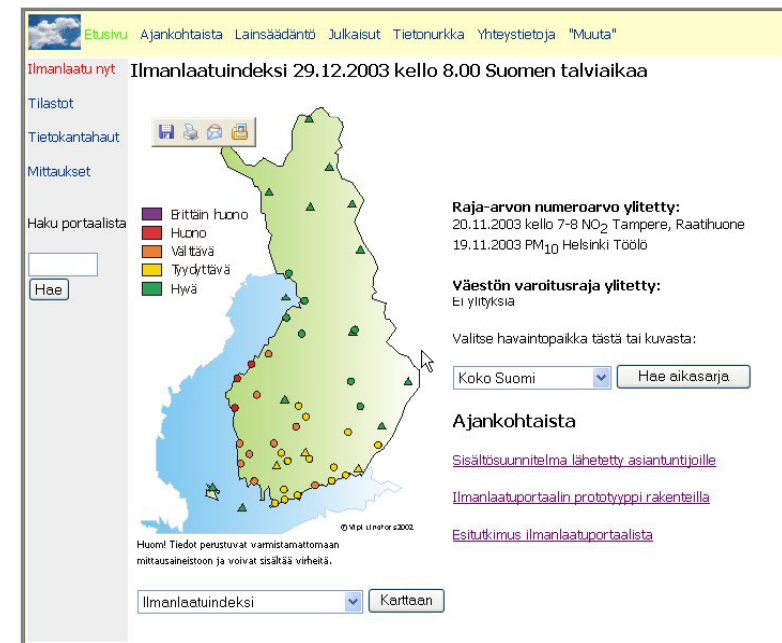
www.ilmanlaatu.fi
www.luftkvalitet.fi
www.airquality.fi



Valtakunnallinen ilmanlaatuportaali

Ilmanlaatuportaalissa julkaistaan:

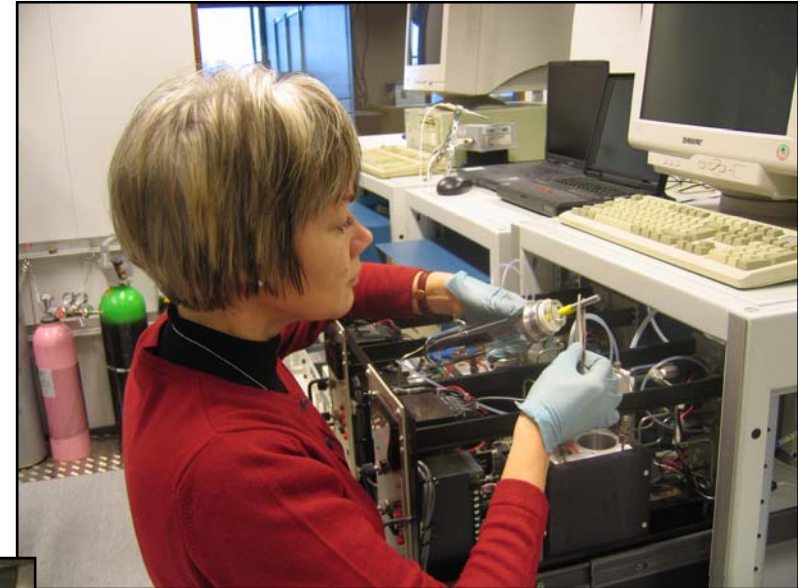
- ❖ ajankohtaiset ilmanlaadun mittaustiedot tunneittain,
- ❖ tarkistetut ilmanlaadun historiatiedot,
- ❖ tiedotteita ajankohtaisista ilmanlaatuasioista,
- ❖ mittaustuloksista jalostettuja tietoja,
- ❖ tietoja ilmansaasteista ja niiden vaikutuksista,
- ❖ tietoja ilmanlaadun seurantaan liittyvästä lainsäädännöstä,
- ❖ tietoja mittausverkoista ja -menetelmistä sekä mittausten tarkoituksesta,
- ❖ tietoja ilmanlaadun referenssilaboratorion roolista seurantamittauksissa ja linkki laboratorion verkkosivuille, sekä
- ❖ linkkejä ilmanlaadun tutkimustietoon.





The main tasks of the measurement technology group

- ✓ The national reference laboratory of atmospheric pollutants
- ✓ The maintenance of the national reference standards on the field of air quality
- ✓ The maintenance of the calibration laboratory
- ✓ Co-operation on research and consultancy projects



Calibration laboratory



MIT - NATIONAL REFERENCE LABORATORY

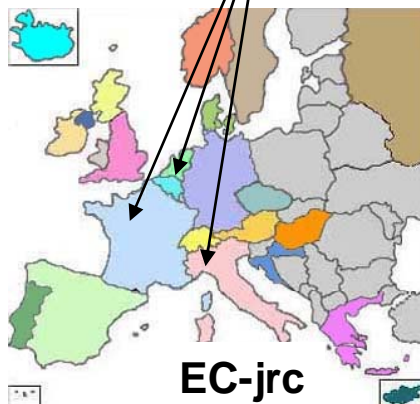
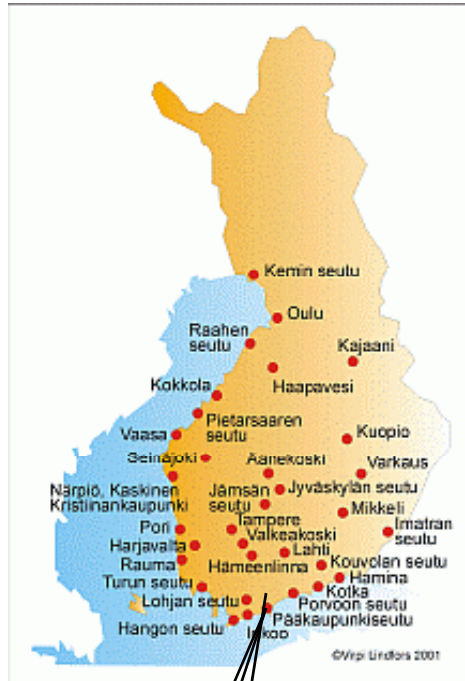
MAINTENANCE OF THE TRACEABLE CALIBRATION SERVICE



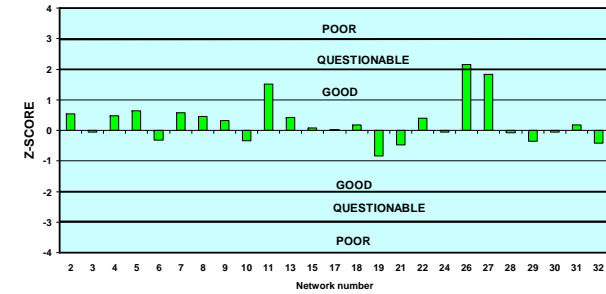
DEVELOPMENT OF THE CALIBRATION METHODS



EXPERT ON THE EC WORKING GROUP



INTERCOMPARISON EXERCISES FOR LOCAL NETWORKS



TRAINING FOR THE LOCAL NETWORK



INTERCOMPARISON EXPERIMENTS BY EC-JRC

