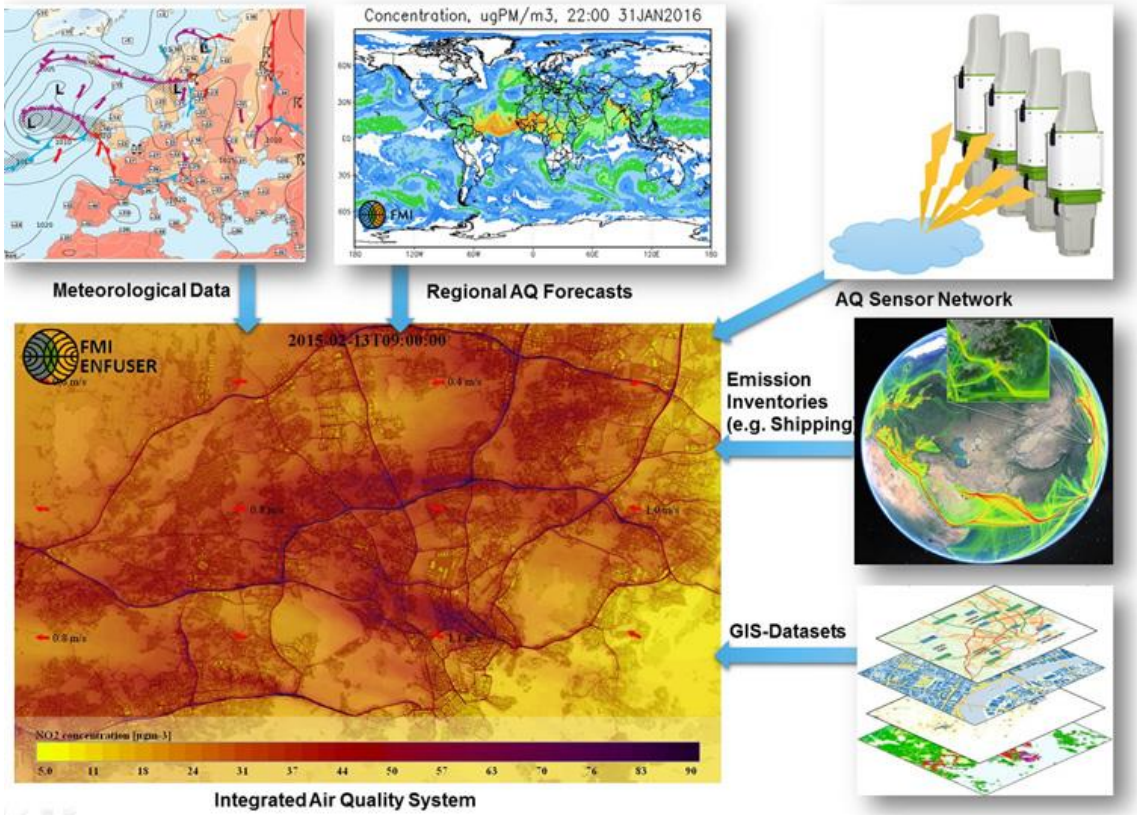
Pauli Paasonen, INAR-Physics, University of Helsinki, Finland

HELSINKI – CAPITAL OF CLEAN AIR

SMURBS
ERA-PLANET

Helsinki Air Quality observation, visualization and forecast system



4 levels of observations:

- Supersites (2)
- Authority network (10)
- Mid-cost network (15)
- Low-cost network (>50)

Output:

AQI + concentrations:

- Observed: $PM_{2.5}$, PM_{10}, LDSA, NO_2, O_3, SO_2, CO.
- Derived variables: BC, PN, CS, H_2SO_4, HNO_3…

City scale, 12 m resolution

Current day (midnight to midnight)

Horizon 2020
Call: H2020-SC5-2015-one-stage
Topic: SC5-15-2015
Type of action: ERA-NET-Cofund
Grant agreement no: 689443
Proposal acronym: ERA-PLANET

GEO GROUP ON EARTH OBSERVATIONS

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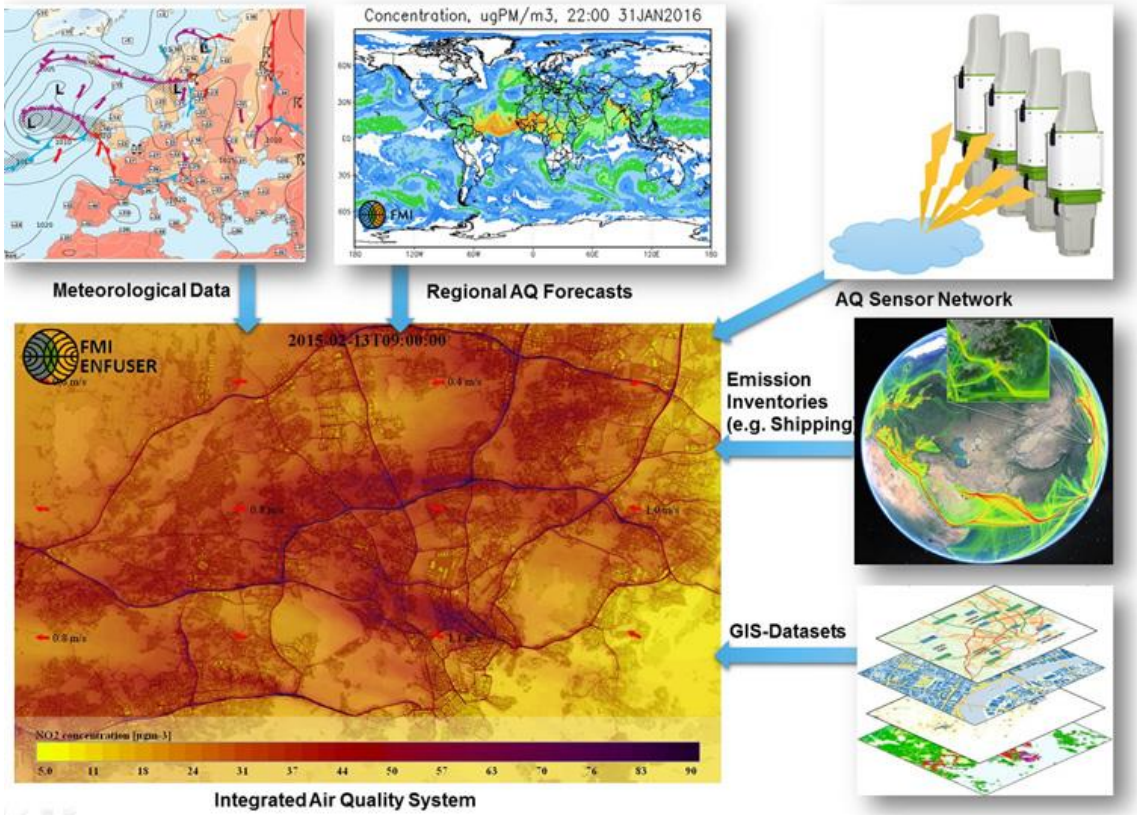

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Low-cost sensors in implementation

- Mobile sensors distributed to volunteer citizens this week
- Stationary sensors will follow

Horizon 2020
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Nanjing AQ Testbed

- 9 month extension to the project
  - End on 30.6.2020

- Some Vaisala AQT420 sensors set up in Nanjing
- ENFUSER model works well with data from Chinese Ministry of Environmental Protection and the implemented AQT-sensors

Horizon 2020
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