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THEME DISCUSSION: AIR QUALITY AND HEALTH





AQ solutions overview

HIGH-END MEASUREMENTS

UFP Monitoring (TROPOS)

Demokritos supersite (NCSR)

Long-term PM appt (NCSR)

Real-time source appt (PSI)

AMS source appt (UHEL/PSI/CNRS)

Sentinel-2 pre-processing (???)

ERS/ENVISAT + Sentinel 1 (???)

LOW-COST SENSORS

Athens low-mid network (NOA)

LCS network (NCSR)

LCS in holistic AQ platforms (IVL)

MOBILE MEASUREMENTS

BC Backpacks (TROPOS)

CITIZEN OBSERVATIONS

CityAir App (JSI)

OBSERVATIONS

AQ MODELLING

INTEGRATION

Helsinki (UHEL)

Envi4All+ (DRAXIS)

Kyiv AQ service (SRI)

CityChem for urban AQ (HZG)

CityChem + COSMO-ART (HZG/NOA)

CityChem + COSMO-ART + Sentinel (HZG/NOA)

Emission footprint area (UHEL/CNRS)

Retroplume calculation (???)

HEALTH IMPACTS

Urban AQ Health Risk Index

Measurements-ROS apportionment-AQ modelling (CNRS)

WHO AirQ+ (IVIU)

Biomonitoring (AoA)

FEEDBACK/PLANNING

DiscovAir (NOA)













Projects → Solutions

Utility and desirability

- Is each solution practical and necessary (i.e. not given only to cover the project obligations)?
- Does it add value? Adjustments/improvements needed?
- Does it address an identified need (i.e. D2.1)?

Efficiency of implementation and scalability

- Can each solution can be replicated or utilized in other cities?
- Is there duplication across solutions?
- Can similar solutions be combined/merged?
- Can we exploit synergies among partners/solutions?

Distribution issues

- Are there partners that can support horizontally (e.g. IT-wise)?
- Copernicus uptake?
- Platform synergies?











Deliverable 4.1: Compilation of AQ products

Report on AQ solutions

- Specifications
- Identification of synergies
- Convergence strategy

Timeline

- PSI to generate skeleton draft → to all partners by 22 Oct
 - Please make sure Portfolio of Urban Solutions is up to date!
 - Synthesis of Athens meeting
- Partner feedback requested by 12 Nov
- Final report by 30 Nov











WP3: Earth Observation Platforms

- T3.1: In situ (UHEL)
- T3.2: Satellite data (ROSA)
- T3.3: Modelling (HZG)
- T3.4: Innovative Observational Platforms (IVL)
- T3.5: Standardization, quality control, harmonization (TROPOS)

AQ links to other themes

Anything else?







