



AirMonTech



Air Quality Monitoring Technologies for Urban Areas 2010 -2013

Thomas Kuhlbusch and the AirMonTech Consortium
3rd AirMonTech Workshop
Duisburg, 04-05/03/2013

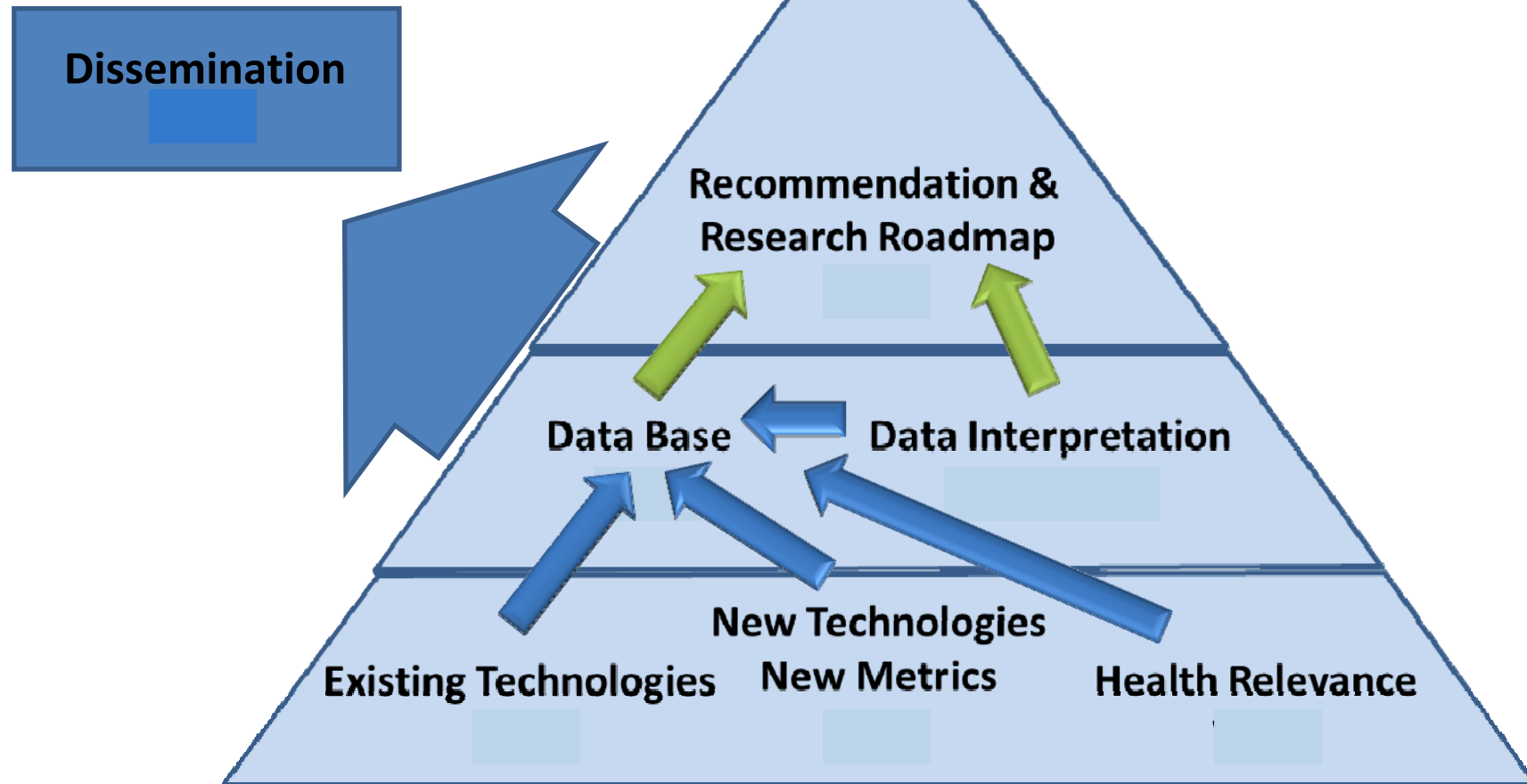


www.airmontech.eu



Welcome





- Review of current online measurement technologies for urban air quality
- Implementation of an up-to-date information base on metrics and technologies

Three basic information sheets for each metric:

- **Metric Basic Information (MBI)**
 - **Definitions, sources (briefly), health relevance, regulations, standard methods, references**
- **Metric Measurement Technology Overview (MMTO)**
 - **Table listing all identified monitoring methods, typical operational characteristics, applicability to remote/rural/urban site monitoring**
- **Metric Measurement Technology Information (MMTI)**
 - **More detailed description for each methodology listed in the MMTO document**



The Aims of AirMonTech



The screenshot shows the AirMonTech database interface. At the top, there is a navigation bar with 'HOME' and 'SEARCH' buttons. Below the navigation bar, the word 'Pollutants' is displayed. A search result is shown for 'MMTI_TDLAS.pdf'. The result includes the following information:

- Language: English
- Supplier: AirMonTech
- Code: AMT67
- more details...
- Document type: Metric measurement technology information (MMTI)
- Pollutants: CO, O3, SO2, NOx, C6H6, NO, NO2, VOCs, HNO3, HNO2
- Download icon and filename: GASES_MultipleComponents_MMTI_TDLAS.pdf (156 KB)

<http://db-airmontech.jrc.ec.europa.eu/>

- Review of current online measurement technologies for urban air quality
- Implementation of an up-to-date information base on metrics and technologies
- Analysis of the current state of the art
- Development of a research road map and consolidated recommendations



Time line of policy relevant aims



Air Pollution Monitoring Technologies
for Urban Areas

*Research Map and
FP 8 Recommendations
In view of DG ENV and AQD 2018*

*Harmonisation
through
Data Base*

*Recommendation for
Revision of AQD*

Start Horizon 2020 **Revision of AQD**
Revision of Thematic Strategy / AQD

2010

2012

2013

2018





Time line of policy relevant aims



Air Pollution Monitoring Technologies
for Urban Areas

- Recommendations policy relevant
- Achievable
- Accepted

*Research N
FP 8 Recon
In view of*

*Harmonisation
through
Data Base*

*Recommendation for
Revision of AQD*

Start Horizon 2020 **Revision of AQD**
Revision of Thematic Strategy / AQD

2010

2012

2013

2018

- **1st Session - Monitoring technologies, around now and around the corner**
- **2nd Session - Measuring, modeling, mapping: Urban AQ data everywhere and anytime**
- **3rd Session - Easy regulation, difficult realisation: Implementing of new approaches into the current monitoring design**
- **4th Session - It's (almost) all about health**
- **5th Session - Towards new horizons (2020 and beyond)**
- **6th Session - COST Action TD1105: EuNetAir environmental case studies from mediterranean, central and eastern Europe**

