



AirMonTech



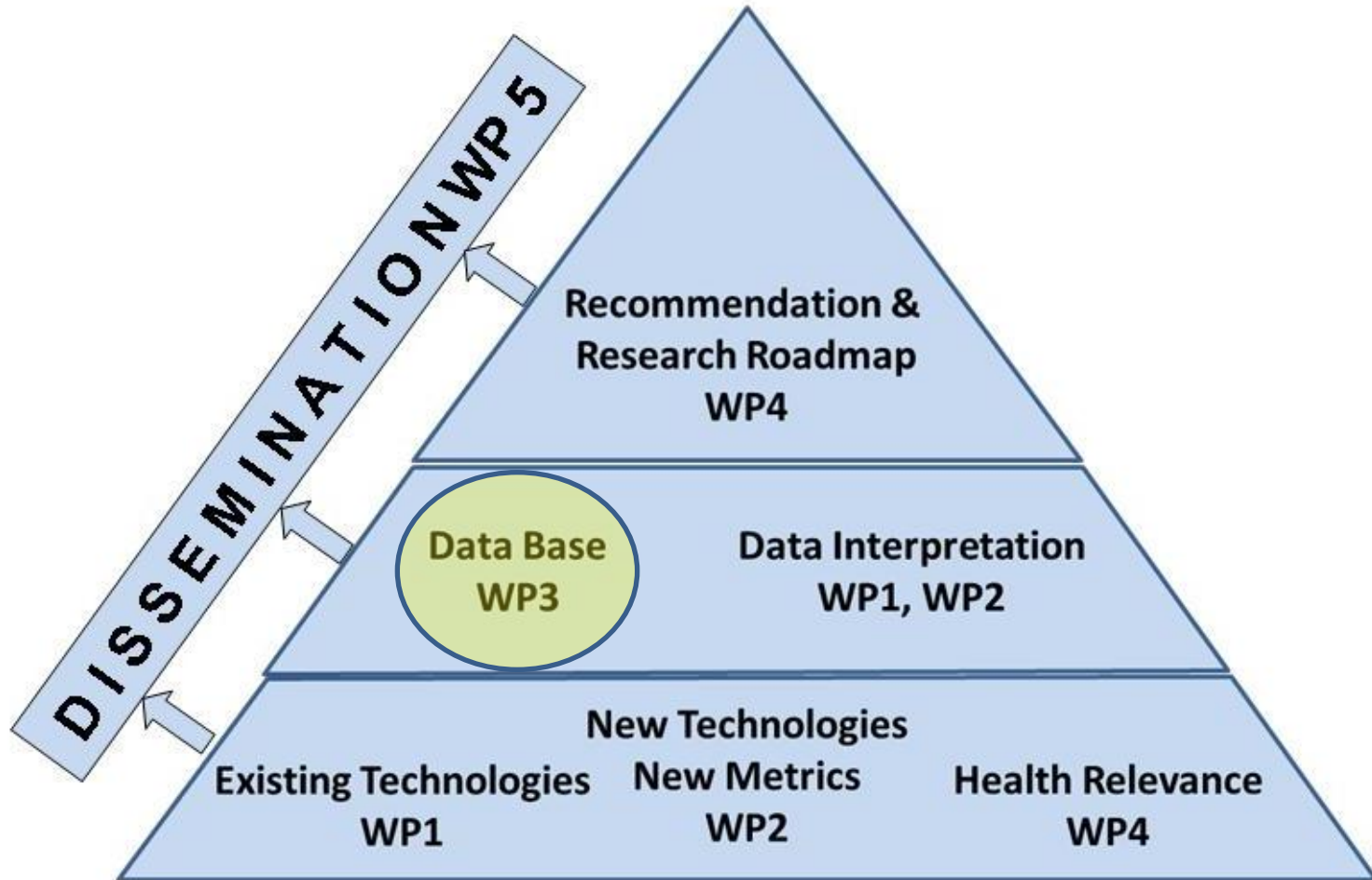
Monitoring Technologies at a Glance: the AirMonTech Database

M. Barbieri, L. Spano', A. Borowiak and AirMonTech Consortium
Workshop 'Current and Future Air Quality Monitoring', Barcelona, Spain

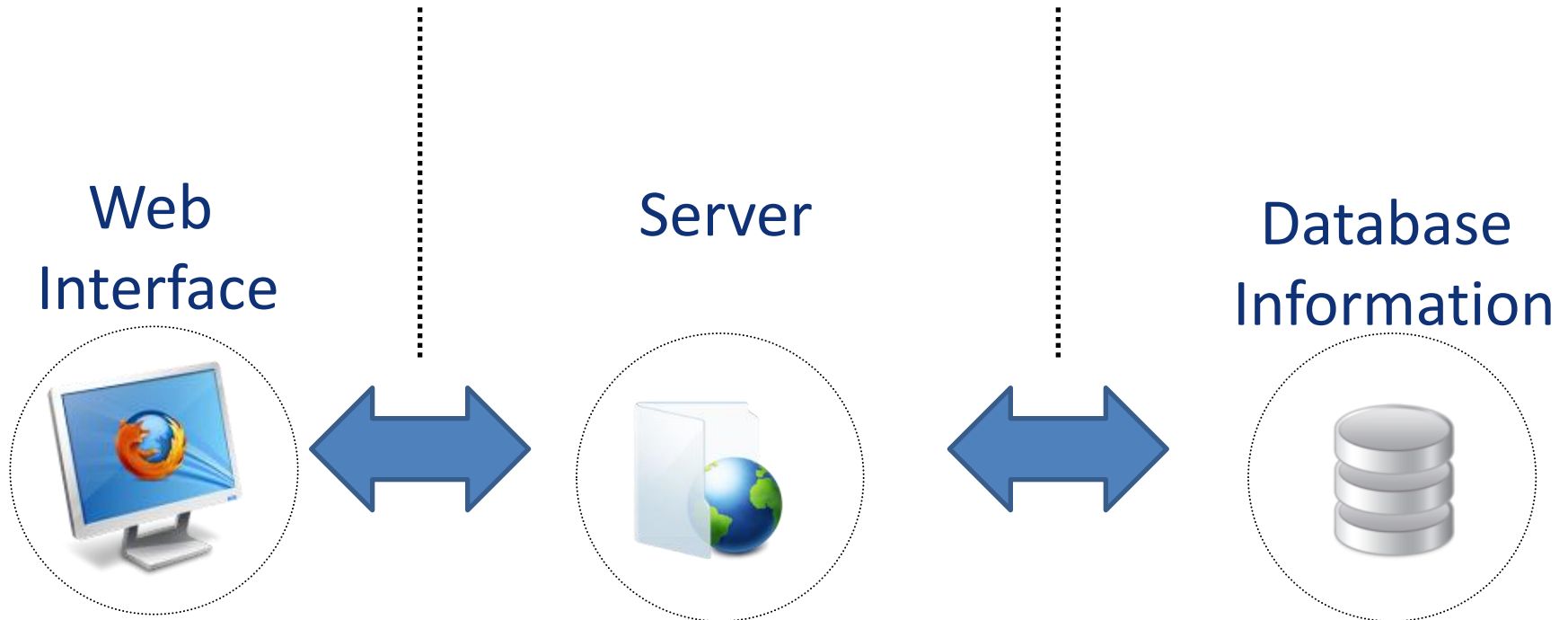
25 - 26 April 2012

www.airmontech.eu

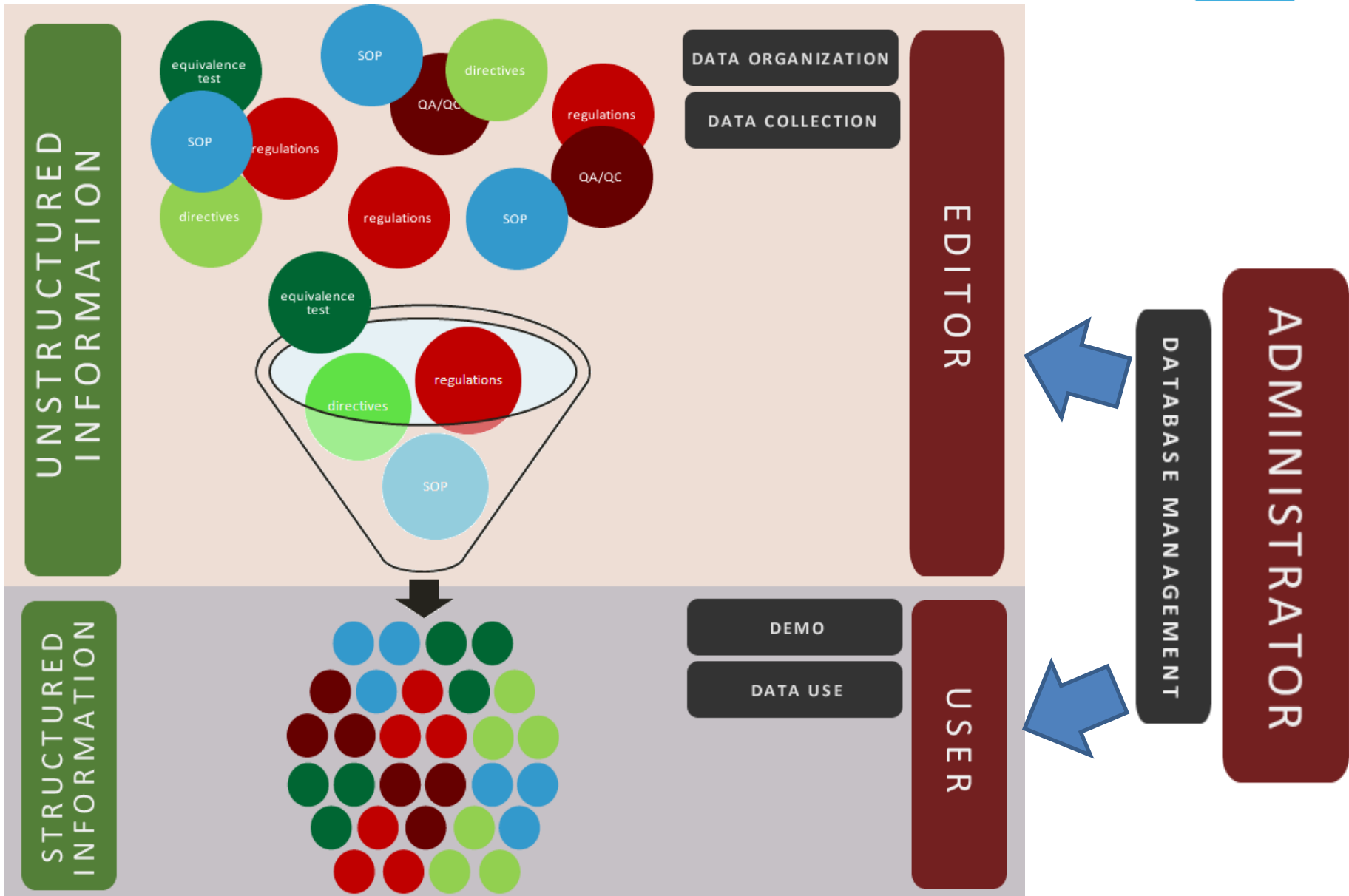
1. Work Package 3 in AirMonTech
2. DB structure
3. Roles
4. Document management
5. Search type
6. Website tour
7. What is next?



3-tiers architecture



DB roles





administrator



Editor



Free
access



User

AQ scientific community, industry, politicians,
NGOs organizations (WHO, EMEP, CEN etc)

Authorized user
during test phase

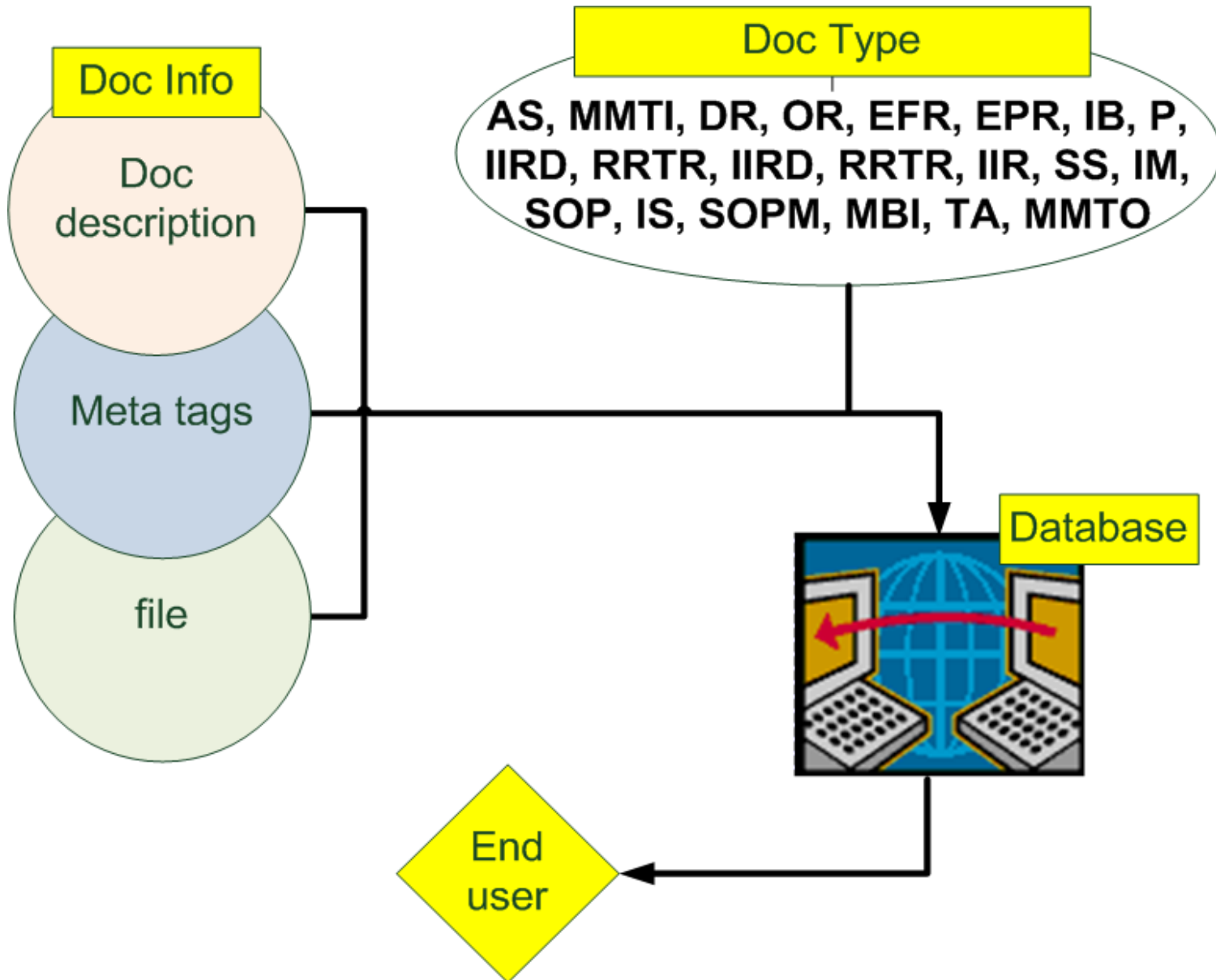


Demo

USERNAME/PASSWORD: on request

db-airmontech@jrc.ec.europa.eu

Feedback form available



Document management

Document type		Meta Tags				
		Measurement Principle	Member State	Station type	Instrument Type	Author-Produce
Application sheets	AS	X			X	FT
Directives and regulations	DR					
Full Equivalency test report	EFR		X	O		FT
Instrument brochures	IB	X			X	
Instrument ICE raw data	IIRD			O	X	FT
Instrument ICE reports	IIR			O	X	FT
Instrument manuals	IM	X				FT
Instrument specification sheets	IS	X			X	
Metric background info.	MBI					
Metric measurement technologies overview	MMTO					
Metric meas. Tech. inform.	MMTI	X				
Other official reports	OR		X			FT
Partial Equivalency test rep.	EPR		X	O		FT
Presentations	P	X				FT
Round-robin-test rep.	RRTR			O	X	FT
Specification sheets	SS	X				FT
procedures	SOP	X	X		X	FT
SOP-Model	SOPM					FT
Type approvals	TA	X	X		X	FT

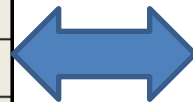
X = Single value from a predefined list

O = Multiple values from a predefined list

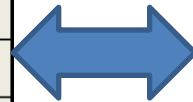
FT = free text

Document management

Document type	
Application sheets	AS
Directives and regulations	DR
Full Equivalency test report	EFR
Instrument brochures	IB
Instrument ICE raw data	IIRD
Instrument ICE reports	IIR
Instrument manuals	IM
Instrument specification sheets	IS
Metric background information	MBI
Metric measurement technologies	MMTO
Metric meas. Tech. inform.	MMTI
Other official reports	OR
Partial Equivalency test report	EPR
Presentations	P
Round-robin-test report	RRTR
Specification sheets	SS
procedures	SOP
SOP-Model	SOPM
Type approvals	TA

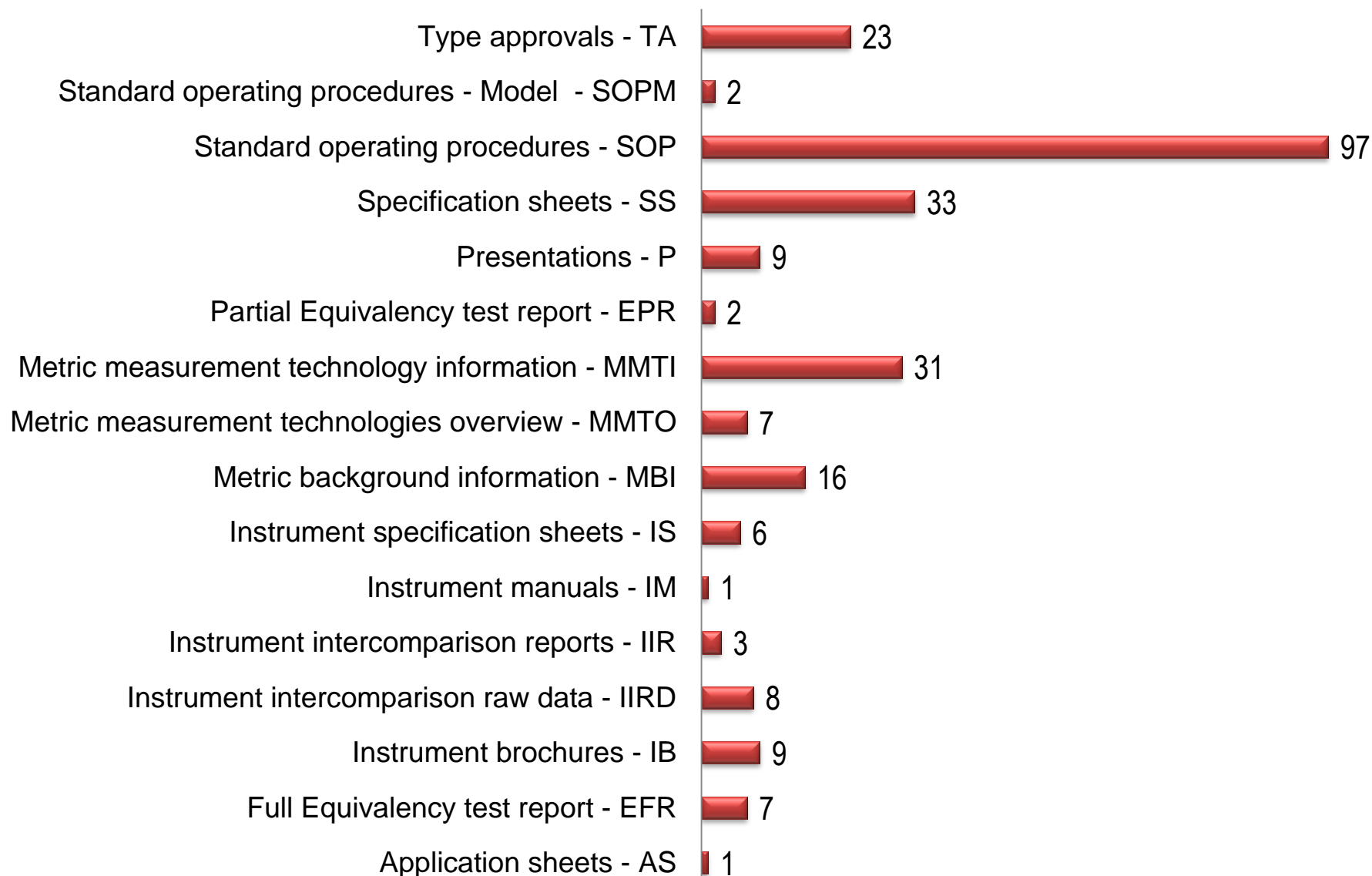


Document description
Document category
Title
Abstract
Language
Supplied by
Pollutant

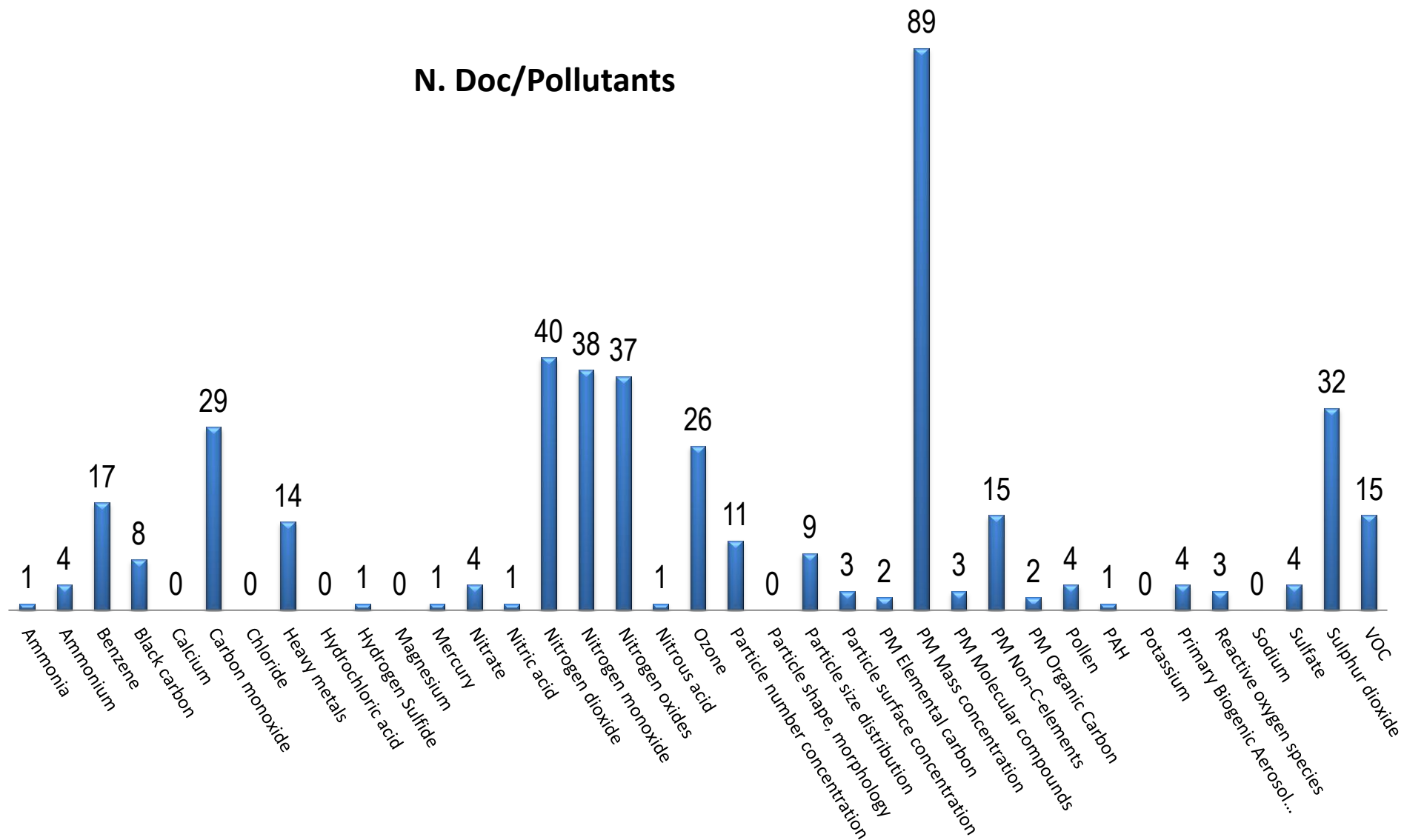


File
File name
File size
Content Type

Document Uploaded (tot 255)




N. Doc/Pollutants



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Institute for Environment and Sustainability


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Advanced Search

The project

AirMonTech



Air Pollution Monitoring Technologies
for Urban Areas

AirMonTech is an EU FP7 project compiling information to harmonize current air pollution monitoring techniques and to advise on future monitoring technologies and strategy. [read more...](#)

Search by: Document category <All>

Filters: Particulate Matter <All>

<None>

All pollutants\metrics

Gas

Language

Particulate Matter

Supplied By

Upload Date

Uploader Name

<All>

Ammonium (NH4+)

Black carbon (BC)

Calcium (Ca2+)

Chloride (Cl-)

Heavy metals

Magnesium (Mg2+)

Nitrate (NO3-)

Particle number concentration

Particle shape, morphology

Particle size distribution

Particle surface concentration

PM Elemental carbon (EC)

PM Mass concentration

PM Molecular compounds

PM Non-C-elements

PM Organic Carbon (OC)

Pollen

Potassium (K+)

Primary Biogenic Aerosol Particles (PBAP)

Filters applied to current search

Document category: <All>

Particulate Matter: <All>

Results

Total documents: 141 Searched at: 17.26.25 Page 1 of 29

Non-C-ElementComp_MBI.pdf D

Language: **English** Supplier: **AirMonTech** Code: **AMT41** [more details...](#)

Document type: Metric background information (MBI)

Pollutants: Heavy metals, PM Non-C-elements

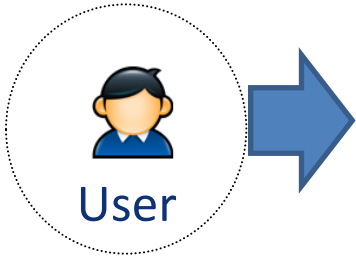
Non-C-ElementComp_MBI.pdf (156 KB)

7th Framework Programme



AirMonTech is a European research project co-financed by the European Commission in the 7th Framework Programme. [read more...](#)

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Search

Search box: "PM 10 and PM 2.5" [Search]

Drill down

Document > Pollutant > Language > Supplier

- [Instrument brochures \(5\)](#) • [Instrument intercomparison reports \(2\)](#) • [Instrument specification sheets \(1\)](#)
- [Metric background information \(1\)](#) • [Metric measurement technology information \(2\)](#) • [Presentations \(1\)](#)
- [Specification sheets \(5\)](#) • [Standard operating procedures \(6\)](#)

[Settings]

Results

Total documents: 23 Searched at: 17.51.02 Page 1 of 5

Standard Operating Procedure PM 10 and PM2.5 🔍

Language: **English** Supplier: **External** Code: **AMT169** [more details...](#)

Document type: Standard operating procedures (SOP)

Pollutants: PM Mass concentration

[PM-EIR-Galway-Procedure for preparing filters for PM10.pdf \(29 KB\)](#)

Search details 🗄️

Title: Standard Operating Procedure PM 10 and PM2.5...

The project



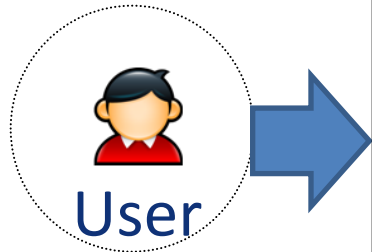
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7th Framework Programme



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Pollutants / Metrics

The **AirMonTech database** collects information on air pollutants, measurement techniques, instrumentation, type approval, equivalence tests, standard operating procedures and more which are classified in 17 different document classes. The grid below shows the total amount of documents related to a given pollutant/metric and a specific document type.

Clicking on a specific pollutant/metrics automatically triggers a query to the database, which returns the total number of document types associated to that specific pollutant/metrics. In the same way, clicking on a specific document type returns the associated pollutants. Use the sliders at the top and bottom of the grid to scroll the document types.

255 documents are available in the database classified on a basis of **37** pollutants/metrics and **19** different types.

Pollutant/Metrics	Document type									
	AS	DR	EFR	EPR	IB	IIR	IIRD	IM	IS	ME
Ammonia (1)	0	0	0	0	0	0	0	0	0	0
Ammonium (4)	0	0	0	0	0	0	0	0	0	1
Benzene (17)	0	0	0	0	1	0	0	1	2	0
Black carbon (8)	0	0	0	0	0	0	0	0	0	0
Calcium (0)	0	0	0	0	0	0	0	0	0	0
Carbon monoxide (29)	0	0	0	0	1	0	0	0	0	0
Chloride (0)	0	0	0	0	0	0	0	0	0	0
Heavy metals (14)	0	0	0	0	0	3	0	0	0	1
Hydrochloric acid (0)	0	0	0	0	0	0	0	0	0	0
Hydrogen Sulfide (1)	0	0	0	0	0	0	0	0	0	0

The project



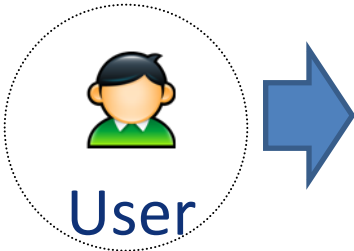
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alpha



AirMonTech database

Air pollution monitoring technologies for urban areas

Welcome to the AirMonTech database

AirMonTech is an EU FP7 project compiling information to harmonize current air pollution monitoring techniques and to advise on future monitoring technologies and strategy. It collects existing information on current and future AQ monitors

The **AirMonTech Consortium** comprises 9 partners from many of the leading research organisations in Europe. The consortium brings together unique and complementary skills and expertise in the areas of measurements and in instrument developers. The Consortium comprises of air quality monitoring experts, measurement technique developers and health effect researchers from renowned research institutions.

We like to receive existing information on current measurement technologies and procedures for measurements of regulated air pollutants in Europe. See for more details the [letter of request](#) we sent out to operators of air pollution monitoring networks and air quality reference laboratories. We are also looking for information on established and new measurement technologies for air quality monitoring. More details concerning this request can be found in the [letter](#) we sent to developers and manufactures.

Latest News

Date	Title	
13/01/12	Second AirMontech Workshop	more...
29/07/11	AMT General Assembly	more...

The project



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[read more...](#)

7th Framework Programme



What's next?

- Feedback evaluation
- Test phase conclusion
- DB publication
- Training

What's next?

Thank you

Questions?