AirMonTech

Monitoring Technologies at a Glance: the AirMonTech Database

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Workshop 'Current and Future Air Quality Monitoring', Barcelona, Spain

25 - 26 April 2012

www.airmontech.eu

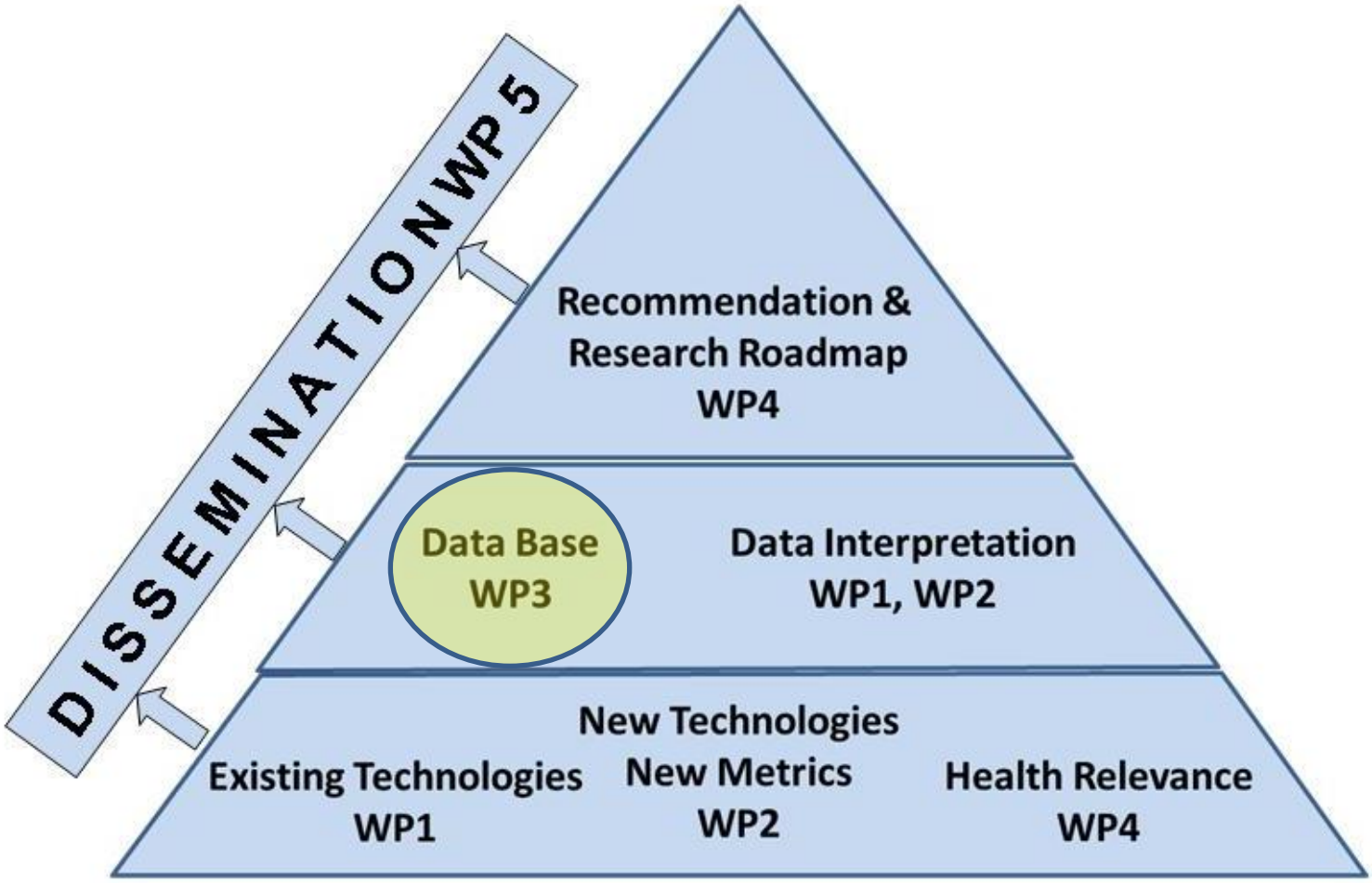
Agenda

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

Air Pollution Monitoring Technologies for Urban Areas

Work Package 3 in AirMonTech

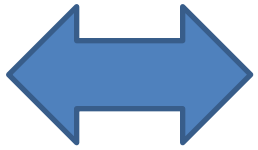
European Commission



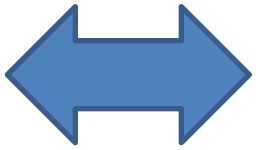
DB structure

3-tiers architecture

Web Interface



Server

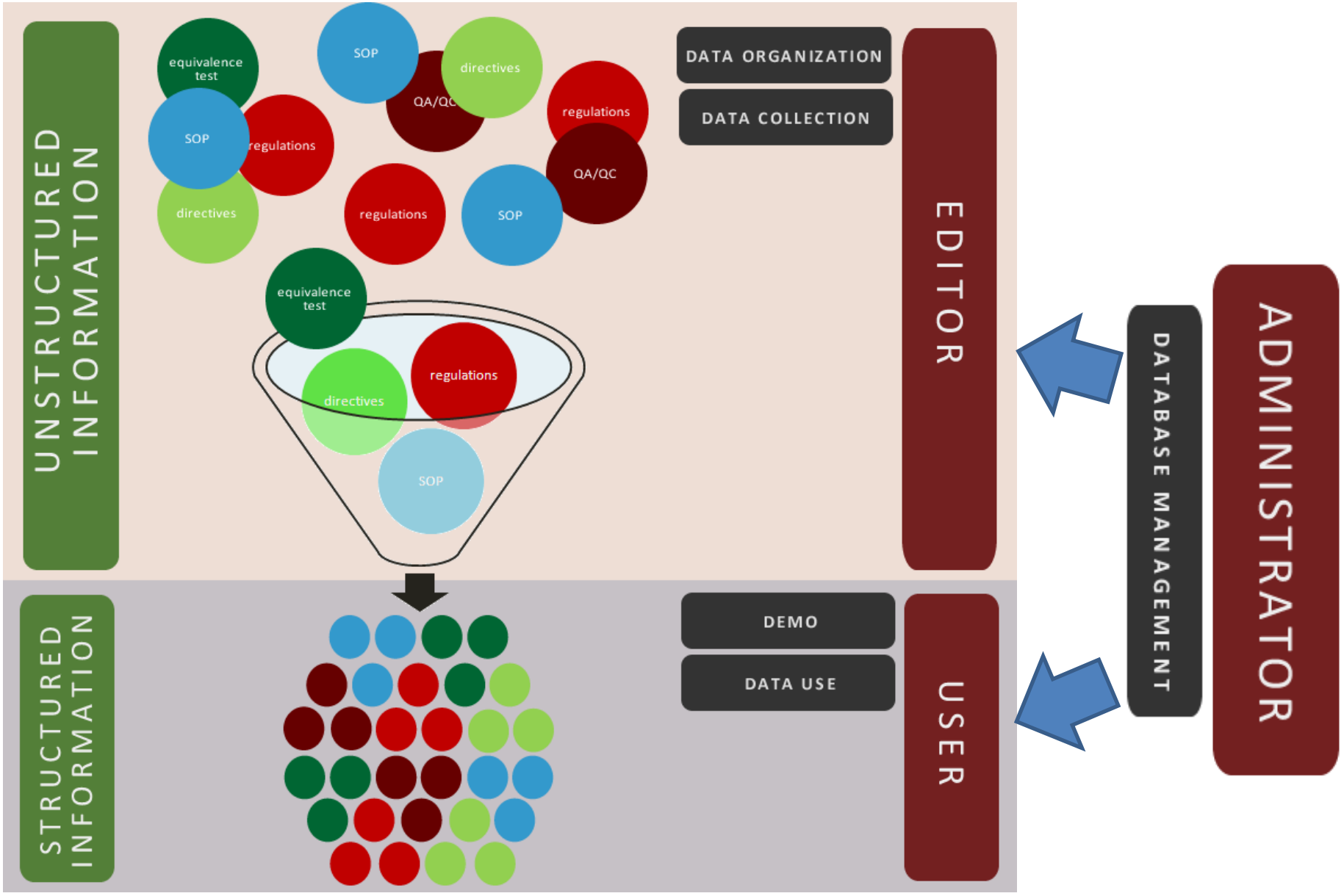


Database Information

Air Pollution Monitoring Technologies for Urban Areas

DB roles

European Commission



Air Pollution Monitoring Technologies for Urban Areas

DB actors

European Commission

administrator

JRC EUROPEAN COMMISSION

Editor

CSIC

iuta

ECN

NPL National Physical Laboratory

National and Kapodistrian UNIVERSITY OF ATHENS

EMPA

JRC EUROPEAN COMMISSION

NILU

UNIVERSITÄT DUISBURG ESSEN

User

Free access

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

Demo

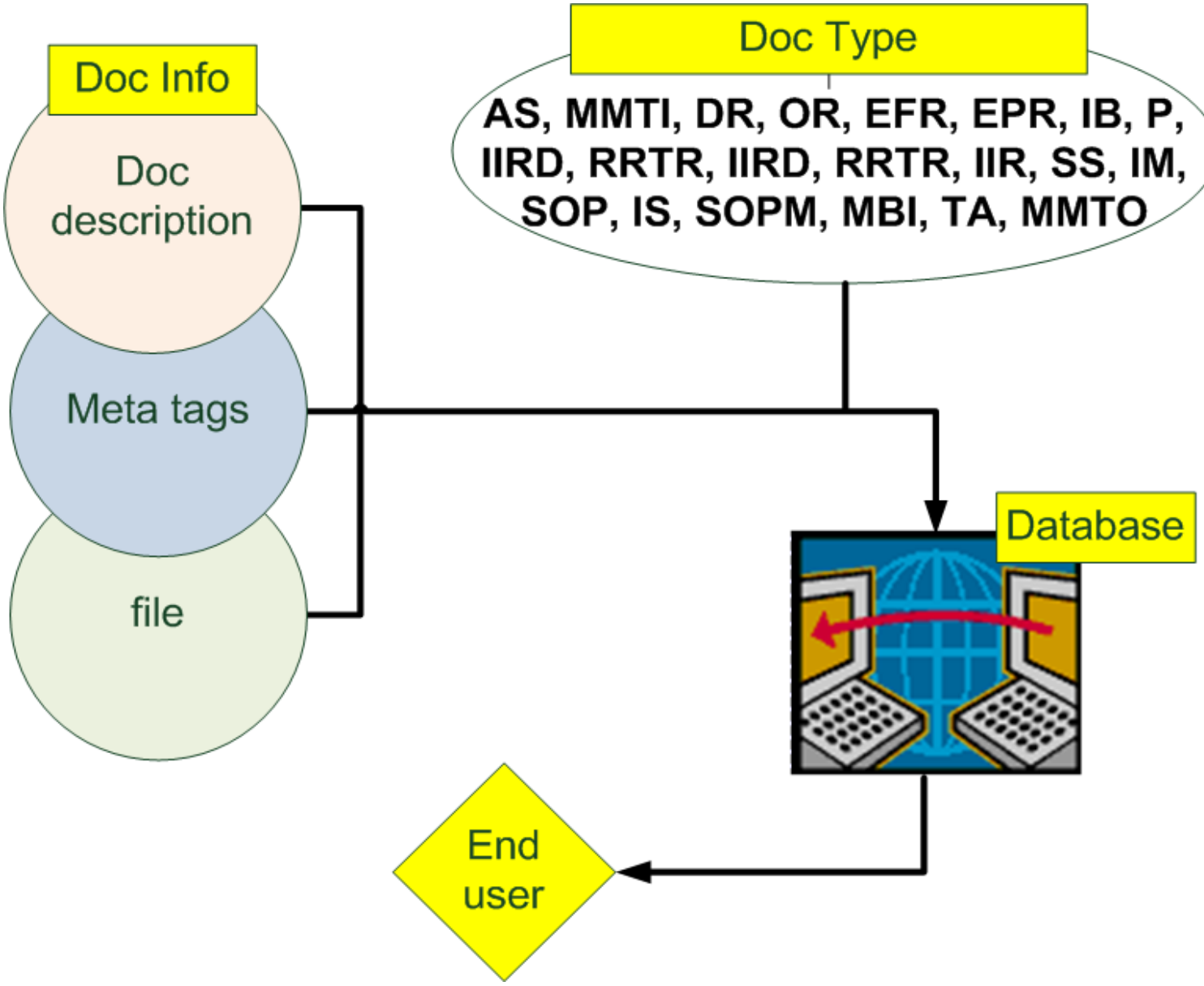
Authorized user during test phase

USERNAME/PASSWORD: on request

db-airmontech@jrc.ec.europa.eu

Feedback form available

Document management



Air Pollution Monitoring Technologies for Urban Areas

Document management

European Commission

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

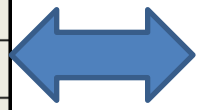
X = Single value from a predefined list O = Multiple values from a predefined list FT = free text

Air Pollution Monitoring Technologies for Urban Areas

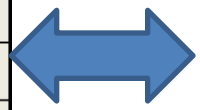
Document management

European Commission

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

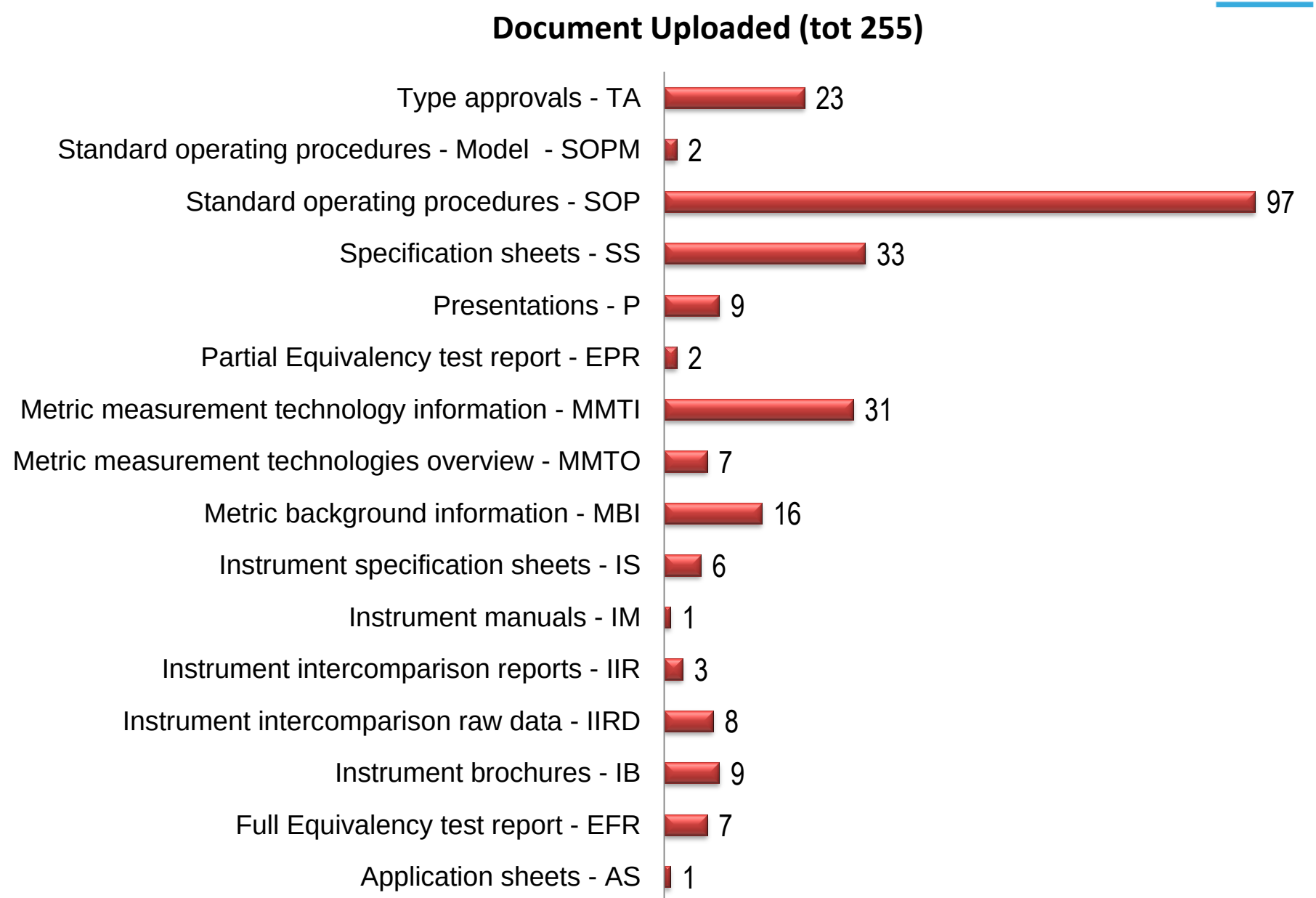


File
File name
File size
Content Type

Air Pollution Monitoring Technologies for Urban Areas

Document management

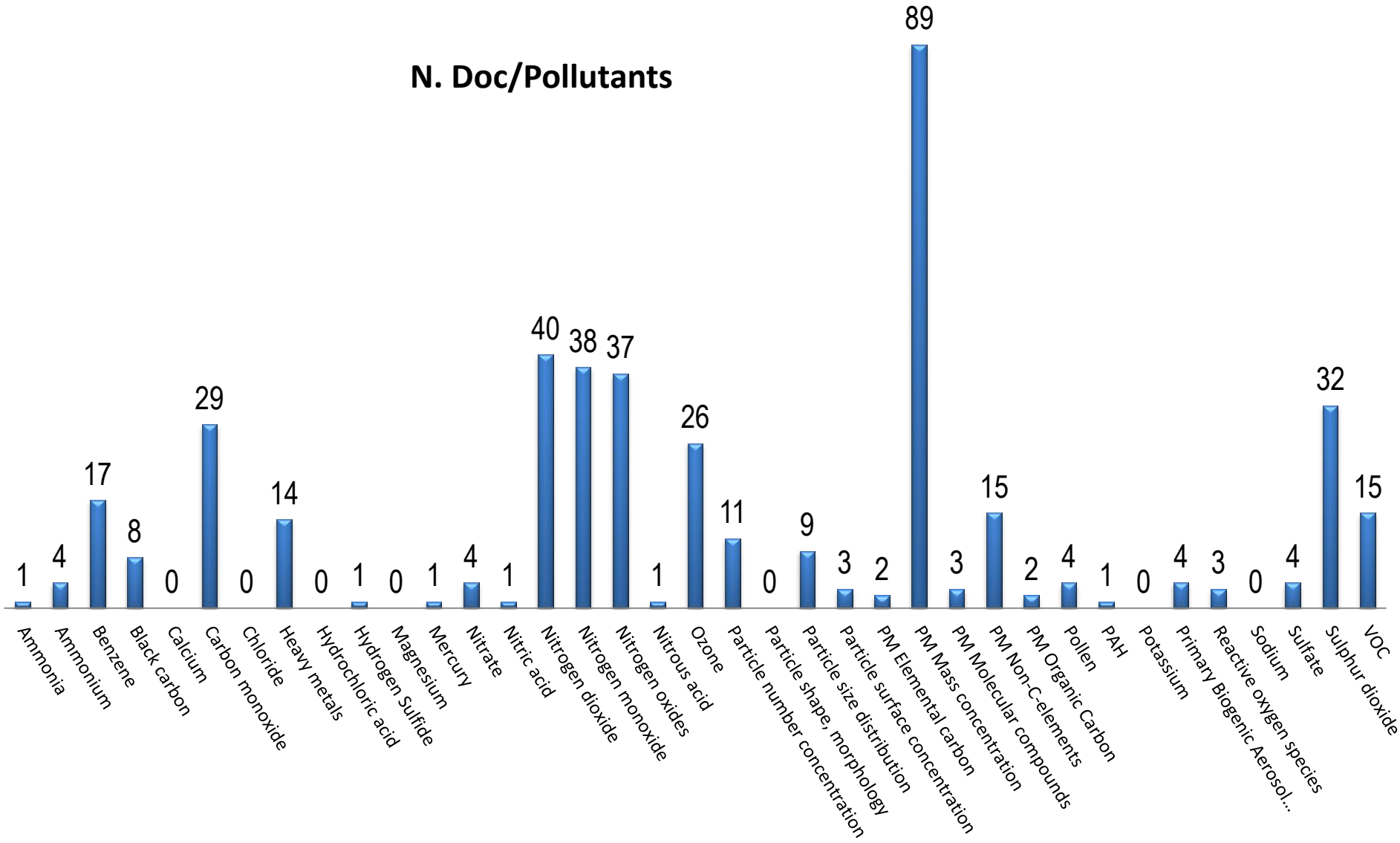
European Commission



Air Pollution Monitoring Technologies for Urban Areas

Document management

European Commission

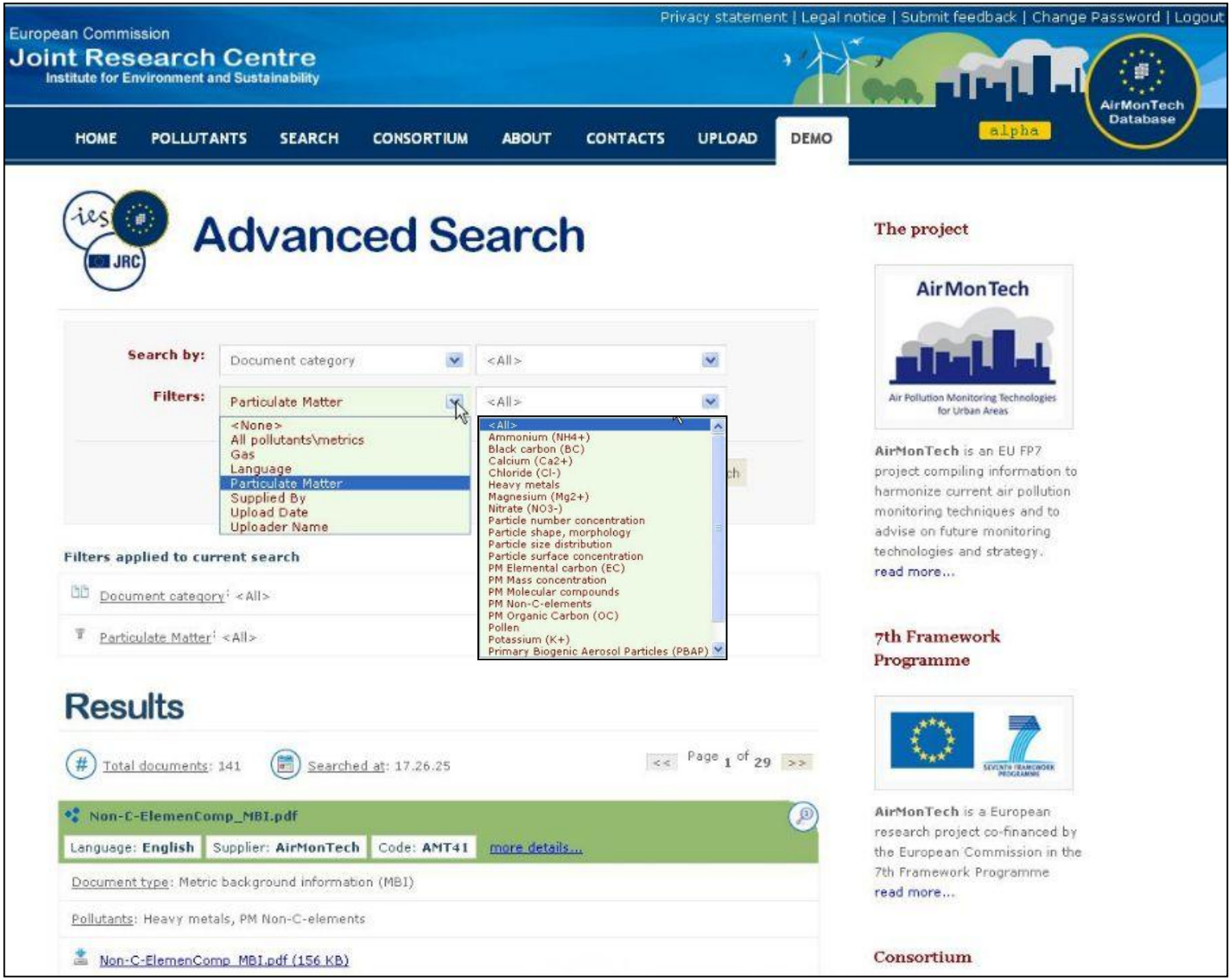


Air Pollution Monitoring Technologies for Urban Areas

Search type 1

European Commission

User

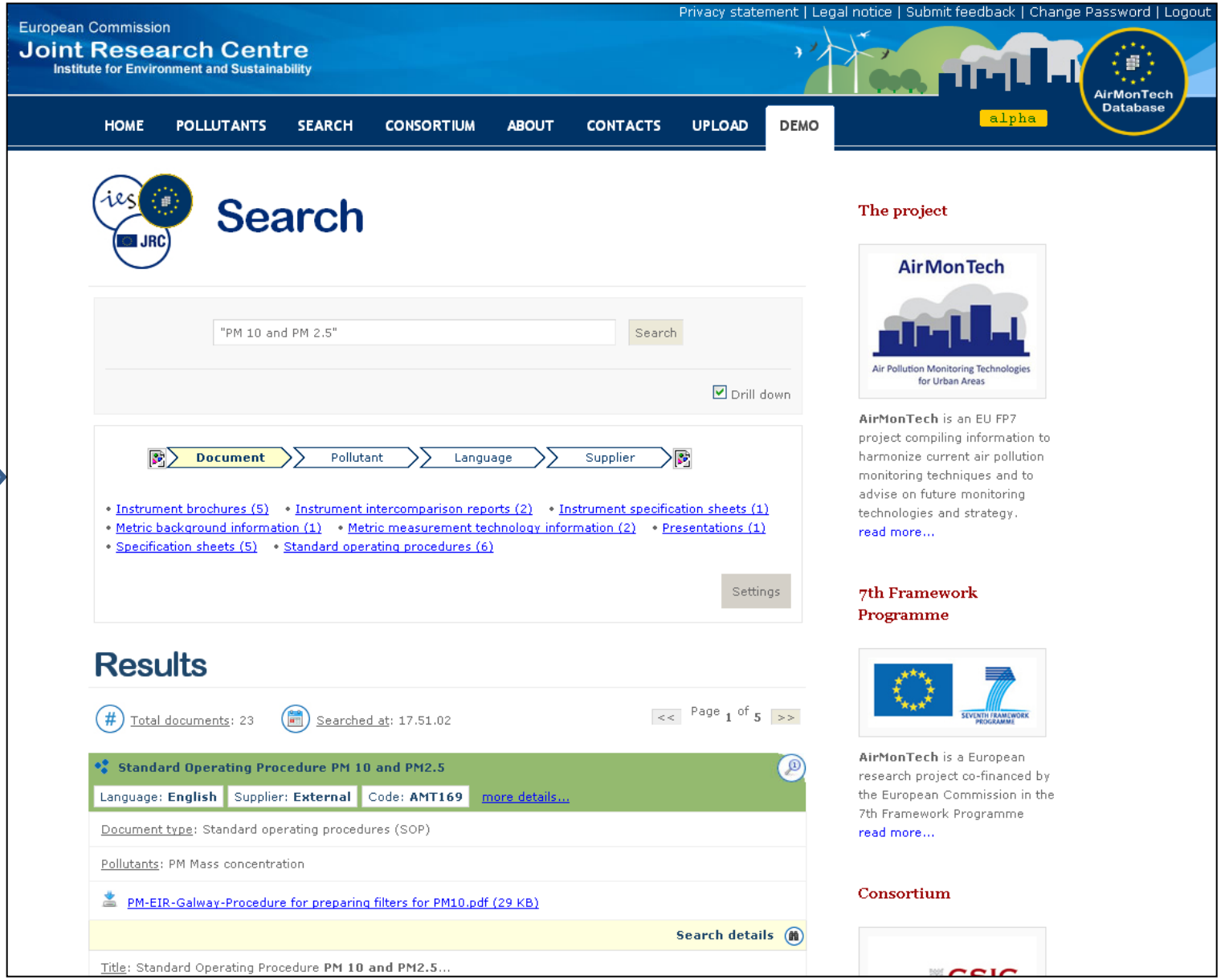


Air Pollution Monitoring Technologies for Urban Areas

Search type 2

European Commission

User



Search type 3

Air Pollution Monitoring Technologies for Urban Areas

European Commission

User

European Commission
Joint Research Centre
Institute for Environment and Sustainability

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AirMonTech Database

alpha

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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.

Document type

Pollutant/Metrics	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

AirMonTech

Air Pollution Monitoring Technologies for Urban Areas

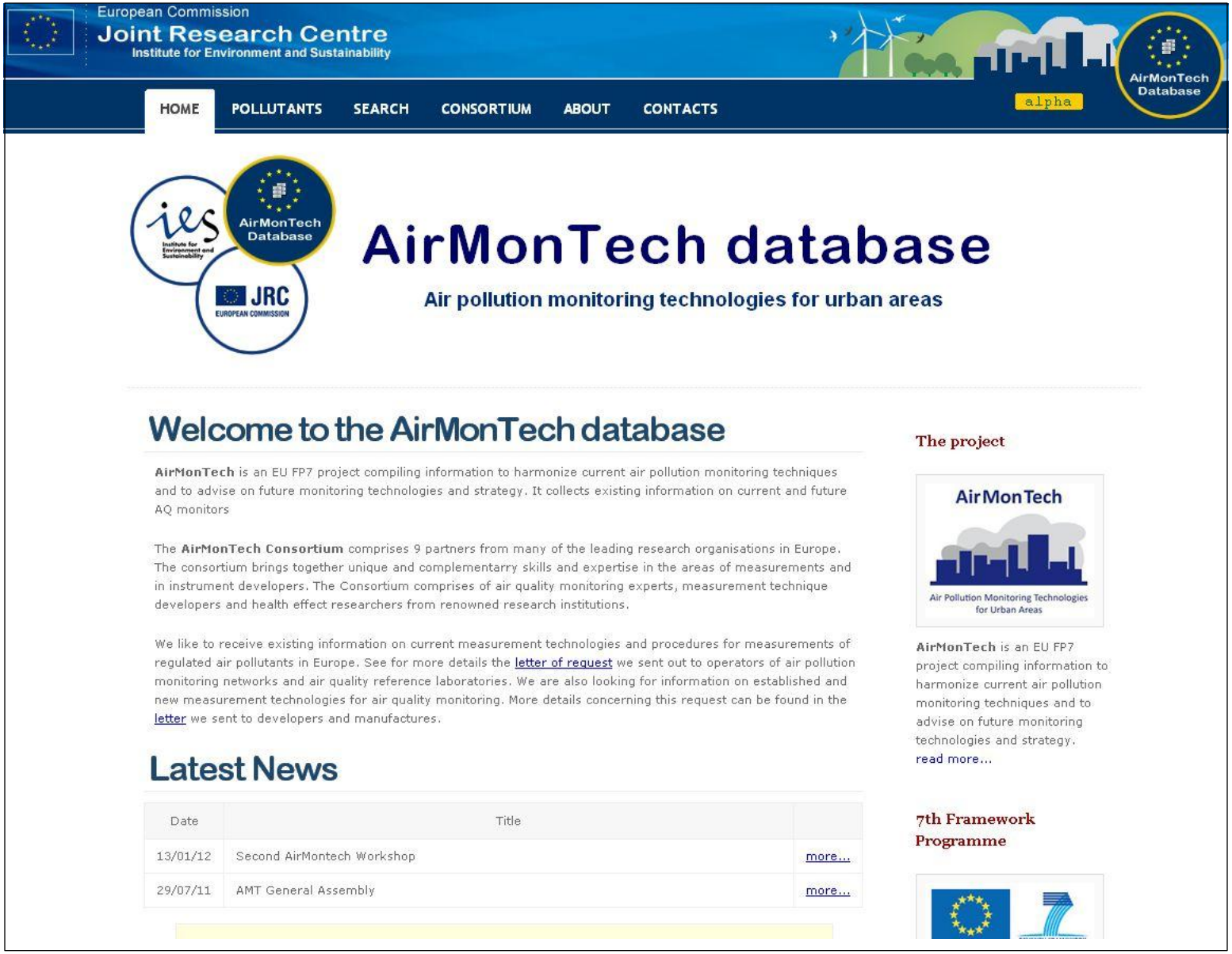
AirMonTech is an EU FP7 project compiling information to harmonize current air pollution monitoring techniques and to advise on future monitoring technologies and strategy.
read more...

7th Framework Programme

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

Consortium

Website tour



What's next?

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

What's next?

Thank you

Questions?