

**THE UNECE CONVENTION ON ACCESS TO INFORMATION, PUBLIC PARTICIPATION AND ACCESS TO JUSTICE IN ENVIRONMENTAL MATTERS
(AARHUS CONVENTION)**

TASK FORCE ON ACCESS TO INFORMATION

ELECTRONIC INFORMATION TOOLS: CASE STUDY BY BELGIUM-WALLONIA

Qualité de l'air ambiant en Région Wallonne

<http://airquality.issep.be/WebAirQuality/accueil.aspx>

<http://walairquality.spw.wallonie.be/walloniaq/Accueil.aspx>

I. Description

▪ **1. Brief description:**

Public access to information about atmospheric pollutants:

(i) Measurements of concentrations of atmospheric pollutants

- matter particles (PM10, PM2.5) and gas molecules (NO2, O3, SO2, CO) : hourly values from streaming real time measurements of about 20 stations

- heavy metals: As, Cd, Cr, Cu, Ni, Pb, Zn (3 networks of batch analyses)

- other pollutants: COVs, HAPs, fluorine, acid rain

(ii) Index of air quality over Wallonia (hourly update)

(iii) Follow-up to pollution peaks: information and alerts in case of excessive particles or ozone

(iv) Brief explanation about pollutants and networks of measurements

(v) Documentation (annual reports, special studies, mobile campaigns)

▪ **2. Type:**

governmental

▪ **3. Scope:**

sub-regional

▪ **4. Working language(s):**

French

▪ **5. Target users:**

Wallonia

▪ **6. Starting year:**

2005

▪ **7. Budget and funding source:** Walloon Region – Walloon Air & Climate Agency

▪ **8. Contact:**

Mr Stéphane COOLS

President , Walloon Air & Climate Agency

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II. Implementation

▪ **9. Policy, legal and institutional context:**

European directives:

- directive 2004/107/EC:

<https://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2005:023:0003:0016:EN:PDF>

- directive 2008/50/EC:

<https://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:152:0001:0044:en:PDF>

- amending directive 2015/1480:

<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32015L1480&qid=1502696812539&from=EN>

- **10. Partner organizations involved:**
 - Institut Scientifique de Service Public - ISSeP (Liège, Belgium)
 - Mons University (Belgium)
- **11. Stakeholders involved, their expected benefits:** -
- **12. User needs and methods of their assessment:** -
- **13. Technology choice:**
ASP.NET

III. Evaluation

- **14. Results:**
public access to the measurement of air quality in Walloon Region
- **15. Efficiency gains:**
wide information accessed and manipulated without special knowledge (access through web site)
- **16. Risks:**
unavailability of the database server or the web sever
- **17. Challenges encountered (please indicate resolved or not):**
 - duplication of the database and the web interface on secured data center (done)
 - participate in international exchange of air quality data (to be done)
- **18. Lessons learned:**
Collaborate with a computer team to ensure security, reliability, long-term responsiveness
- **19. Conditions for successful replication:**
Availability of workforce, budget, clear communication
- **20. Overall assessment of the tool:**
The look of the site might become rather outdated but wide information about air quality in Walloon Region is available for the public.