Environment and Climate Regional Accession Network ECRAN

Environment and Climate Regional Accession Network (ECRAN)

Air Quality Information Sources

ECRAN 2.5 Air Quality Working Group

Vienna, 2015

ENVIRONMENT AND CLIMATE REGIONAL NETWORK FOR ACCESSION - ECRAN

AIR QUALITY INFORMATION SOURCES

ECRAN WORKING GROUP 2.5

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Table of Contents

1. AIR QUALITY MONITORING

1.1 EU-level

AQUILA: Air quality reference laboratories

https://ec.europa.eu/jrc/en/aquila

CEN: Comité Européen de Normalisation

CEN/TC 264 - Air quality:

http://standards.cen.eu/dyn/www/f?p=204:7:0::::FSP_ORG_ID:6245&cs=178094E67E18971
02F190938A48C7A285

JRC: Joint Research Centre

Reference & measurement (European Union reference laboratories, interlaboratory comparisons, reference materials):

https://ec.europa.eu/jrc/en/knowledge/reference-measurement

Science Hub: https://ec.europa.eu/jrc/en

Guidance for demonstration of equivalence of ambient air monitoring methods:

http://ec.europa.eu/environment/air/quality/legislation/pdf/equivalence.pdf

1.2 USA

Ambient Monitoring Technology Information Center

http://www3.epa.gov/ttn/amtic/index.html

Air monitoring regulations:

http://www3.epa.gov/ttn/amtic/monregs.html

Air monitoring network assessment:

http://www3.epa.gov/ttn/amtic/network-assessment.html

Tool: http://ladco.github.io/NetAssessApp/

AQ monitoring research:

http://www2.epa.gov/air-research/air-monitoring-measuring-and-emissions-research

2.   AIR QUALITY ASSESSMENT

2.1   EU level

DG Environment:

http://ec.europa.eu/environment/air/quality/legislation/assessment.htm

2.2   EEA level

Air Quality data portal (Central data repository):

http://www.eionet.europa.eu/aqportal

Air quality in Europe reports:

http://www.eea.europa.eu/publications/air-quality-in-europe-2015

Air quality indicators

CSI004 (Exceedance of air quality limit values in urban areas):

http://www.eea.europa.eu/data-and-maps/indicators/exceedance-of-air-quality-limit-3/assessment-1

CSI005 (Exposure of ecosystems to acidification, eutrophication and ozone):

http://www.eea.europa.eu/data-and-maps/indicators/exposure-of-ecosystems-to-acidification-3/assessment-1

European Topic Centre for Air Pollution and Climate Change Mitigation (ETC/ACM):

http://acm.eionet.europa.eu/

ETC/ACM technical papers: http://acm.eionet.europa.eu/reports/#tp

Air quality maps:

http://www.eea.europa.eu/themes/air/interactive/o3-interpolated-maps

http://www.eea.europa.eu/themes/air/interactive/pm10-interpolated-maps

Up-to-date AQ data maps: http://maps.eea.europa.eu/Hub/AirQuality/

Reports on AQ maps:

http://acm.eionet.europa.eu/reports/ETCACM_TP_2014_4_spatAQmaps_2012

2.3   UNECE level

Convention on long-range transboundary air pollution:

http://www.unece.org/env/lrtap/welcome.html

EMEP: http://www.emep.int/

CEIP: http://www.ceip.at/

WGE: http://www.unece.org/env/lrtap/WorkingGroups/wge/welcome.html

Statistics and indicators:

http://www.unece.org/stats/environment.html

3. AIR QUALITY MANAGEMENT

Catalogue of measures (draft):

https://luft.umweltbundesamt.at/measures/

Policy and measures:

http://www.policymeasures.com/

Time extension notifications:

http://ec.europa.eu/environment/air/quality/legislation/time_extensions.htm

The Covenant of Mayors:

http://www.eumayors.eu/actions/sustainable-energy-action-plans_en.html

UK local air quality management:

http://laqm.defra.gov.uk/

OPERA: http://www.operatool.eu/html/eng/index.html

EEA Air Implementation Pilot (incl. workshop on measures):

http://www.eea.europa.eu/themes/air/activities/the-air-implementation-pilot-project

US EPA's Control Strategy Tool:

http://www.epa.gov/ttn/ecas/cost.htm

NL Saneringstool:

http://www.saneringstool.nl/saneringstool_ENG.html, https://www.nsl-monitoring.nl/

German MARLIS database on measures in Germany:

http://www.bast.de/DE/FB-
V/Publikationen/Datensammlungen/MARLIS/MARLIS.html?nn=636612

Soot free cities initiative:

http://sootfreecities.eu/city

4.   AIR QUALITY MODELLING

MACC/Copernicus:

http://atmosphere.copernicus.eu/

FAIRMODE (Forum for air quality modelling in Europe):

http://fairmode.jrc.ec.europa.eu/

Delta-Tool

Model evaluation software developed by FAIRMODE:
http://aqm.jrc.ec.europa.eu/index.aspx

Catalogue of models:

http://pandora.meng.auth.gr/mds/strquery.php?wholedb

EMEP model:

https://wiki.met.no/emep/page1/emepmscw_opensource

5. AIR QUALITY IN GENERAL

5.1 Meetings

AQUILA meetings

https://ec.europa.eu/jrc/en/aquila/meetings

EIONET meetings

http://www.eionet.europa.eu/events

FAIRMODE meetings

http://fairmode.jrc.ec.europa.eu/news.calendar.html

UNECE meetings:

EMEP:

http://www.unece.org/environmental-policy/conventions/envlrtapwelcome/meetings-and-events/air-pollution/emep-steering-body-air-pollution.html#/

Working Group on Effects (WGE):

http://www.unece.org/environmental-policy/conventions/envlrtapwelcome/meetings-and-events/air-pollution/working-group-on-effects-air-pollution.html#/

Executive Body:

http://www.unece.org/environmental-policy/conventions/envlrtapwelcome/meetings-and-events/air-pollution/executive-body-air-pollution.html#/

Working Group on Strategies and Review

http://www.unece.org/environmental-policy/conventions/envlrtapwelcome/meetings-and-events/air-pollution/working-group-on-strategies-and-review-air-pollution.html#/

5.2 Legislation

EU legislation

Air quality: http://ec.europa.eu/environment/air/quality/legislation/existing_leg.htm

Air related legislation: http://ec.europa.eu/environment/air/legis.htm

All European legislation: http://eur-lex.europa.eu/homepage.html

Information on the legislative procedure for the revision of NEC-Directive

http://eur-lex.europa.eu/procedure/EN/1041563

Review of EU air quality policy

http://ec.europa.eu/environment/air/review_air_policy.htm

5.3   Various institutions & organisations

Convention on long-range transboundary air pollution

http://www.unece.org/env/lrtap/welcome.html

WHO-Europe Air quality

http://www.euro.who.int/en/health-topics/environment-and-health/air-quality

http://www.euro.who.int/en/about-us/organization/office-locations/who-european-centre-for-environment-and-health-eceh,-bonn,-germany

National EIONET focal points

http://www.eea.europa.eu/about-us/countries-and-eionet/list-of-members-of-the-nfp-eionet-group

Overview on information sources in the UK

http://uk-air.defra.gov.uk/assets/documents/reports/cat14/1307241318_Guide_to_UK_Air_Pollution_Information_Resources.pdf

5.4   Further topics

Interaction between AQ and climate policies

http://epthinktank.eu/2014/05/06/air-quality-and-climate-change-eu-policies/

Black Carbon

http://new.ccacoalition.org/en

POPs

http://chm.pops.int

Mercury

http://www.mercuryconvention.org