



CONVENTION ON LONG-RANGE TRANSBOUNDARY AIR POLLUTION
International Co-operative Programme
on
Effects on Materials, including Historic and Cultural Monuments

MINUTES OF THE TWENTIETH MEETING OF THE PROGRAMME TASK FORCE
June 9, 2004, London, United Kingdom

Prepared by the Main Research Centre,
Swedish Corrosion Institute, Sweden

- 1 The twentieth meeting of the Programme Task Force of the International Co-operative Programme on the Effects on Materials including Historic and Cultural Monuments was held in London, United Kingdom on June 9, 2004. The meeting was held in the premises of the Church House, Westminster, and was hosted by the Building Research Establishment Ltd.

- 2 The meeting was attended by representatives from the following Parties to the Convention on Long-Range Transboundary Air Pollution: Austria, Canada, Czech Republic, Estonia, France, Germany, Italy, Latvia, Norway, Poland, Spain, Sweden, Switzerland, United Kingdom, and the Chairman of the Working Group on Effects (WGE) and a member of the Secretariat.

- 3 Mr Tim Yates introduced the meeting on behalf of the Building Research Establishment. Mr V. Kucera chaired the meeting.

- 4 The main items discussed at the meeting were:
 - a) Information from the Working Group on Effects (WGE)
 - b) Presentations of main results from the individual environmental, pollution and materials exposures
 - c) Discussion of proposal of the new ICP Materials network of test sites for future trend exposures
 - d) Information on the new EU 6FP project CULT-STRAT
 - e) Information on future changes in the organisation of ICP Materials

5 Information from the Working Group on Effects (WGE)

The Chairman of the Working Group of Effects (WGE), H.-D. Gregor, informed about its activities, organisation and requests from ICP Materials. The medium-term workplan was especially stressed, which includes the following tasks:

- Statistical evaluation of results from the multi-pollutant exposure programme and further development of dose-response functions based on the multi-pollutant exposure programme and the one-year extension programme (6h below);
- Application of programme results for mapping of areas with increased risk of corrosion (6k below); At present corrosion maps from the following countries have been produced: Bulgaria, Czech Republic, France, Germany, Norway, Sweden, Swizerland, United Kingdom, of the European territory of Russia and of the Nickel region near the Russian-Norwegian border.
- Assessment of threshold levels for effects of particulate matter (PM) on materials (6h below);
- Development of the activities of the programme's sub-centre on cultural heritage and stock at risk (6l below).

These were addressed at the meeting in point 6 below in connection with the discussion of the MULTI-ASSESS project.

6 Presentations of main results from the individual environmental, pollution and materials exposures

The following presentations was discussed and some slightly modified for the final presentation at the MULTI-ASSESS Workshop “Cultural Heritage in the City of Tomorrow. Developing Policies to Manage the Continuing Risks from Air Pollution”, held June 10-11 in London, United Kingdom.

- a) Overview and Introduction to the MULTI-ASSESS Project
- b) Environmental and Pollutant Measurements in the MULTI-ASSESS Project
- c) New Sampling Methods for Particulate Matter and Nitric Acid
- d) Ferrous Metals in the multi-pollutant programme
- e) Non-ferrous Metals in the multi-pollutant programme
- f) Historic Glass in the multi-pollutant programme
- g) Stone and Concrete in the multi-pollutant programme
- h) Use of results from the multi-pollutant programme for Assessing Threshold levels of Pollutants
- i) Soiling of Buildings
- j) Soiling of Modern Glass

k) Modelling Air Pollution Effects at Regional Scale – Czech Republic

l) Stock at Risk – Work in Progress on the Mapping of UNESCO European Heritage Sites

7 Discussion of proposal of the new ICP Materials network of test sites for future trend exposures

A separate document had been distributed prior to the meeting “Plan for ICP Materials Trend Exposure”, which describes the aim, network of sites, exposed materials, environmental parameters, frequency and exposure conditions, and tasks of the participants. The contents of the proposal was discussed and it was decided that the Main Research Centre will prepare the next version of the document to be presented to WGE in September 2004.

There was also a discussion on the need of a more complete description of the field exposure test sites. It was decided that Tim Yates will prepare and distribute a questionnaire for the targeted sites of the MULTI-ASSESS project and that Johan Tidblad will prepare and distribute a questionnaire for the test sites in the ICP Materials network.

8 Information on the new EU 6FP project CULT-STRAT

The Main Research Centre informed about the European Community 6th Framework Programme (EU 6FP) Specific Targeted Research Project (STREP) Assessment of Air Pollution Effects on Cultural Heritage – Management Strategies (CULT-STRAT). The three-year project will start on 1 August 2004. The project will not include any measurements but will instead be focused on the use of results for policy purposes.

9 Information on future changes in the organisation of ICP Materials

The Main Research Centre informed about a shared chairmanship between Sweden and Italy, which will start in January 2005. The change was originally initiated from the Swedish Environmental Protection Agency, which currently provides the funding for the Main Research Centre.

10 Reporting from ICP Materials to the Working Group on Effects

Matti Johansson from the secretariat informed about the reporting needed to the Working Group on Effects. One item, which will be discussed at the WGE meeting in August 2004, is the substantive report (2004) on the assessment of present air pollution effects and their recorded trends.

The workshop on the release of heavy metals due to corrosion of materials took place in Munich, Germany, from 12 to 14 May 2003. The workshop was organized in a series of plenary sessions to which 22 background papers were presented and one of these papers was based on results from ICP Materials. All papers presented at the workshop including the workshop report have been published in a proceedings volume: "Release of Metals due to Corrosion of Materials", Proceedings of a UN ECE Workshop, Munich, Germany, May 12-14, 2003. Bulletin 109E, Swedish Corrosion Institute, Stockholm, Sweden 2004.

In addition, the following report has been produced and will be available at the WGE meeting. Report No 49. Results from the multipollutant programme: Evaluation of the decay to glass samples of medieval composition after 3, 4, 5 and 6 years of exposure. Part B: Results of the unsheltered exposure.

For each of these reports 30 copies should be sent to the secretariat in Geneva, to arrive at the latest on August 15, at the following address

Mr Keith Bull
UN Economic Commission for Europe
Environment and Human Settlements Div.
Palais des Nation
CH-1211 Geneva 10, Switzerland

Information and documents for the next meeting of the WGE is available at

<http://www.unece.org/env/wge/documents.htm>

11 Next meeting

The twentieth meeting of the Programme Task Force will be held in Krakow, Poland April 4-6, 2005 back to back with the final meeting of the MULTI-ASSESS project

12 Address list

The updated address list is shown in Annex 1

Annex 1 - Updated address list, Wednesday July 7, 2004.

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