



2018-2019 workplan- review of the EMEP part

Laurence ROUÏL

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Introductory remarks

- The workplan focuses on specific needs, projects that should be developed in limited time
- Core activities are covered by the mandates that are currently revised
- Consistency with recommendations of the PRG has been a driving force
- Implementation of some tasks will require complementary funding that is not secured.
- EMEP budget is allocated to EMEP Centres (and not task forces)
- Priorities still need to be set, and EB's recommendations are welcome.

Modelling and mapping (i)

Task number	objective	Deliverable	Who	How	PRG recommendations
1.1.1.1	Update the 2010-2019 EMEP Monitoring Strategy	Updated monitoring strategy (2019)	CCC with support from TFMM	Covered by the EMEP budget	
1.1.1.2	Long range and urban air pollution ("Twin Sites"): Assess the contribution of long range transport of air pollution to urban air quality by means of combination of measurements and modelling	Synthesis on LRT contribution to urban air quality for several areas in Europe.(2018) + Methodological report	TFMM (activity led by Spain and France) with support from CAMS, JRC and WMO	Based on voluntary (in-kind) contributions from interested countries (Spain, France)	Partly (76) (81)
1.1.1.3	New EMEP field campaign focused on assessment of residential combustion to carbonaceous aerosols	Report and publications (2019)	CCC with TFMM plus cooperation with ACTRIS	Covered by the EMEP budget + national contributions	
1.1.1.4	Use of micro-sensors: guidance and recommendations	Position paper (2018)	TFMM in cooperation with CCC and WMO	20,000 USD reserved by WMO for the workshop in 2018	

Modelling and mapping (ii)

Task number	objective	Deliverable	Who	How	PRG recommendations
1.1.1.5	Assessing the Impacts of bi-directional exchange of ammonia on source-receptor relationships for N and PM2.5 (see 1.1.3.2)	Report including a discussion on practical issues for future calculations (2019)	MSC-W	Funding needed	Partly (59)
1.1.1.6	Impacts of uncertainties in SOA modelling for source-receptor matrices	Report focused on uncertainties in source-receptor relationships for integrated assessment modelling (2019)	MSC-W with possible contribution from TFEIP	Need to find complementary resources Supported by Norwegian Met.no co-funding (CAM5)	
1.1.1.7	Black carbon definition and recommendations for monitoring	Position paper (2018)	TFMM with support from CCC, MSC-W and WMO	Covered by France and the Parties participating to TFMM	(66)

Emissions and projections

Task number	objective	Deliverable	Who	How	PRG recommendations
1.1.2.1	Condensables: Improve the representation of condensable semi-volatile organic compounds in emission	Report (2018) with guidance material on the inclusion of the condensable component in PM emissions reporting	TFMM and TFEIP with support from CEIP and MSC-W	Covered by France and interested Parties	(64) (65)
1.1.2.2	Improving quality of the EMEP emission inventory: comparison with other references (CAMS and JRC tools)	Report in 2018	CEIP in cooperation with MSC-W, MSC-E, TFMM plus CAMS and JRC	Covered by the EMEP budget	Several recommendations
1.1.2.3	Review of ammonia emission factors for 'Livestock & Manure Management' source sector	Literature review and discussions held with the emissions inventory community to finalize drafting of proposed updates to the emissions inventory Guidebook (2019)	TFEIP	Estimated budget: 40,000 USD. Need for funding	Several recommendations

Integrated assessment modelling

Task number	objective	Deliverable	Who	How	PRG recommendations
1.1.3.1	Analysis of effectiveness of implementation of Protocol on POPs	Contribution to evaluation of stricter measures for mitigation of BaP pollution levels; analysis of trends, key sources and projections Report in 2019	MSC-East in support to TFTEI	Covered by the EMEP budget	(63)
1.1.3.2	Ammonia: Contribute to improve understanding of expected benefit of ammonia mitigation in terms of wet and dry nitrogen deposition (including at high spatial resolution), long-term trends, chemical regimes of secondary inorganic aerosol formation	Report in 2019	TFIAM with support from TFMM and countries experts (France and Netherlands)	Funding needed	(11) (12) (42)
1.1.3.3	Local assessment modelling of measures to reduce population exposure	Workshop in 2018	TFIAM with support from local and national experts	Funding needed	(23)

Hemispheric/global scale issues (i)

Task number	objective	Deliverable	Who	How	PRG recommendations
1.1.4.1	Global-regional modelling and evaluation	<p>Ozone and particulate summary report (2018)</p> <p>Workshop on deposition (2019)</p>	<p>TFHTAP, TFMM and MSC-W</p> <p>TFHTAP, TFMM, MSC-E, MSC-W, ICP Forests, ICP Vegetation and WMO</p>	<p>Parties, United States and JRC</p> <p>Funding needed</p>	<p>(85)</p> <p>(86)</p>
1.1.4.2	Evaluation of intercontinental transport of Hg and POPs	<p>Contribution to UNEP global mercury assessment (2018)</p> <p>Evaluation of multi-compartment intercontinental transport technical report (2019)</p> <p>Next steps workshop (2019)</p>	<p>MSC-E in cooperation with TFHTAP and TFMM + other bodies (Minamata and Stockholm Conventions and AMAP)</p> <p>TFHTAP, MSC-E, TFMM, AMAP, Minamata and Stockholm Conventions</p>	<p>EMEP mandatory contributions and AMAP contribution (\$12,000)</p> <p>Funding needed</p>	<p>(94)</p>

Hemispheric/global scale issues (ii)

Task number	objective	Deliverable	Who	How	PRG recommendation
1.1.4.3	Sectoral opportunities to mitigate intercontinental transport	Scoping workshop (2018)	TFHTAP, TFIAM, AMAP and CCAC	Funding needed	(117)
		FASST-HTAP web tool deployment (2018)	TFHTAP supported by United States and JRC	Supported by United States and JRC	
		Contribution of international ship traffic emissions to ozone in Europe (2018)	MSC-W with support from TFHTAP	Supported by CAMS and the European Union EnviSum project	Partly (63) (89)
		Sectors summary report (2019)	TFHTAP, AMAP, CCAC	Funding needed	

Cooperation with Parties


Task number	objective	Deliverable	Who	How	PRG recommendations
1.2.1	Country-scale assessment of HM and POP pollution (case studies)	<p>A number of assessments are already planned:</p> <p>Spain (BaP; 2018), Poland (cadmium, BaP; 2018), Germany (Hg; 2018), France (BaP; 2019), United Kingdom (lead, cadmium; 2019?) Russian Federation (lead, cadmium; 2019?)</p>	MSC-E in cooperation with TFMM and country experts	Covered by EMEP mandatory contributions (\$40,000) + Parties	(72)

Outreach activities

Task number	objective	Deliverable	Who	How	PRG recommendations
1.3.1	Cooperation with Copernicus/CAMS	Implementation on NRT facilities to report observations (2018)	CCC	Budget provided by Copernicus	(131) And partly (124)
1.3.2	Cooperation with CCAC and IPCC	Workshop in 2018 Strategy to harmonize reporting under the Convention with emission reporting and black carbon control strategies at the global scale (2019)	EMEP with support from TFEIP, TFHTAP, TFMM and IPCC for black carbon issues	Funding needed	(134)
1.3.3	Cooperation with Arctic Council and AMAP	Focus on black carbon in the framework of a European Union contract	CEIP, CIAM, MSC-W	Budget provided by AMAP (European Union contract)	(122)
1.3.4	Support Stockholm Convention in relation to atmospheric observations and data management within the ECE region	Report to annual joint sessions of Steering Body to EMEP and WGE	MSC-E	Covered by EMEP mandatory contributions	(135)

Cooperative work between WGE and EMEP

Task number	objective	Deliverable	Who	How	PRG recommendations
1.4.2	<p>Assess the complementarity of EMEP monitoring and observations undertaken by the ICPs.</p> <p>Facilitate the use of TFMM models for WGE community</p> <p>Foster the use of PM composition at EMEP sites to better inform health impact assessments.</p>	Report and joint EMEP/WGE workshop (2019)	TFMM and WGE	Covered by Parties and recommended contributions	(75)
1.4.3	Develop a common portal to enable integrated assessments and to assist the Parties in their implementation of air pollution strategies	Improvement of data access via the web (2019)	EMEP, WGE including ICPs and other subsidiary bodies	Expected to be covered by recommended contribution	
1.4.4	Review and analyse the needs of Parties regarding data produced by WGE and	Questionnaire to Parties (2018) and recommendations to the Executive Body	EMEP WGE, EMEP Steering Body	Covered by Spain and France (lead countries)	
1.4.5	Prepare updated EMEP and WGE strategies	Draft strategies for EMEP and WGE	WGE and EMEP Steering Body	Covered by Spain and France (lead countries)	



What should be more developed according to PRG recommendations (ST)

- ▶ Integrated environmental policies :ozone-nitrogen-climate-biodiversity interactions (5)
- ▶ Emphasize stronger emission inventories verification by measurements (57) : in the CEIP and TFEIP mandates
- ▶ Verify that real world emissions are accurately and consistently implemented in emission inventories (60)
- ▶ Linking emissions from shipping to existing inventories of land-based emissions (61)
- ▶ EB's recommendations ?



Increasing the budget?

- ▶ Increasing mandatory contributions according to the EMEP protocol ?
- ▶ Increasing voluntary contributions?
- ▶ Increasing participation of national experts to the work plan and its objectives thanks to projects developed by the task forces
 - ▶ Direct contribution to the elaboration of guidelines, papers (emission guidebook, paper on micro-sensors...)
 - ▶ Model runs, participation to field campaigns to feed scientific studies and complement Center's work (Pilot studies)
 - ▶ Organization of technical workshops
 - ▶ ...
 - ▶ Need for an official mandate from the EB representatives for experts in the countries?



Thank you for your attention !