Updated activities and milestones for CEEH 2010 – 2012

January 2011

No	Short title	2010	2011	2012	Resp. Person
	WP1				
1-10-1	Energy technology catalogue (new version) is made public (eventually internally) on the CEEH homepage. This Catalogue will supply a catalogue from the Energy Agency with additional technologies. Decisions has been changed!				KK
1-10-2	Document comparing the importance of different emissions scenarios (EDGAR, IPCC, and EMEP). (CEEH rapport no. 2)				JBR / KK
1-10-3	Documentation of data-flow in the CEEH system (incl. transfer of data between Balmorel and DMU's and DMI's ATM models). (INCLUDED IN MILESTONE 5-10-1). Same as CEEH report no. 1.				ALB/EK Interrim version OK!
1-10-4a	Finishing development and implementation of all new modules (except transport and industry) to Balmorel. These modules are described in CEEH report no. 1.				KK√
1-10-4b	Implementation of industry and transport module				KK
	WP2				
2-10-1	Long-term runs for the reference year 2000 (DMI, DMU). Manuscript with inter-comparison of the reference concentrations in the two ACT models plus ENVIRO-HIRLAM.				EK
2-10-2a	Downscaling from city-scale to street scale (DMI, DMU). Description (manuscript) of quantitative method ready for implementation.				RN√
2-10-2b	Writing a research note				RN
2-10-3	Implementation and test of the best performing semi-Lagrangian advection scheme in DEHM. This is part of the preparation for high resolution simulations.				JBR
2-10-4	Optimization of the chemical scheme in DEHM to be scale dependent. This is part of the preparation for high resolution simulations.				JBR
2-10-5	Implementation of LMCSL-M with Lagrangian vertical coordinates in ENVIRO-HIRLAM (collaboration between KU and DMI).				BS√
2-10-6	Submit scientific paper on LMCSL-M with Lagrangian vertical coordinates.				BS
2-10-7a	Implement a hybrid Eulerian-Lagrangian scheme in a 2D rotation test (collaboration between KU and DMU). (BS, ABH, JBR, EK, Philip).				EK√
2-10-7b	Write a report				BS
2-11-1	High resolution air pollution simulations for Denmark				ABH
2-11-2	Physical parameterizations				ABH
2-12-1	Validation of ACT for different scales				JBR/ALB
2-12-2	Running ACT for all emission scenarios				JBR/ALB
2-12-3	Analysis of modeling output for the final CEEH simulations				EK/ALB /JBR
	WP3				
3-10-1	Submission of a paper about health effects on children by nitrogen oxide pollution in Denmark.				JB√
3-10-2	CEEH dose-response functions for all relevant air				JB√

	pollution components and relevant health effects to be implemented in the CEEH model.	
3-10-3	CEEH dose-response functions (report No 7a.).	JB
3-10-4	Strategy for collecting secondary ammonium and sulphate particles and for analysis of their toxicity.	TS
3-10-5a	Performance of toxicity tests of diesel exhaust particles.	TS/JB√
3-10-5b	Performance of toxicity tests of secondary ammonium and sulphate particles.	TS/JB
3-10-6	Submission of article from the wood stove smoke project.	TS√
3-11-1	Report/paper on the link between in-vivo and ex-vivo and epidemiology. CEEH report 7b	TS
WP4		
4-10-1	Finishing a model for tobacco smoking as example for validation of the Health Impact Assessment model (HIA), demographic, epidemiologic and economic modules.	HBH/EMF
4-11-1	Review paper about the Health Impact Assessment model.	HBH/EMF
4-11-2	First version of the HIA model completed and ready for the CEEH chain.	HBH/EMF√
4-10-3	Description of the HIA system and validation. REPORT no. 5	HBH/EMF
4-10-4	Demonstration of the full CEEH chain – the HIA line (REPORT no 6)	HBH/EMF
4-10-5a	Definition of a new cost model for externalities related to health	MK
4-10-5b	Method paper "modeling life time costs .."	MK
4-11-6a	Cost-benefit analysis of air pollution interventions - Technical note	JS/BS
4-11-6b	Paper draft for journal of Cost Benefit	JS/BS
4-11-3a	Use of Health care services - Unit cost to HIA model	MK
4-11-3b	- first draft manus (European Journal of Health Economics)	BS
4-11-4a	Production cost related to air pollution - Unit cost to HIA model	MK
4-11-4b	- First draft manu (Health policy)	MK
4-11-7a	Validation of life – Unit values for the HIA	JS
4-11-7b	Technical note	JS
4-11-8	Political valuation of health outcomes	DCJ/JS
4-11-5a	Quality of life (JS) - Unit values to HIA model	JS
4-11-5b	- Technical note	JS
4-11-5c	- Sensitivity analysis	JS
4-12-1	Implementation, validation and description of a new cost model for externalities related to health in the CEEH chain.	JS
4-12-2a	Unit cost/values to EVA model	BS/JS
4-12-2b	- Comparison of cost/valuation difference between HIA and EVA	JS/ BS
4-12-5	Modelling future population health on the basis of results from epidemiological/toxicological studies	JB/TS

	(WP3), demographic development, regional characteristics and emission scenarios from WP2/WP5. Contribution to 6-12-1	
4-12-3	Creating scenarios on the impact on health service and economic consequences of various energy policies.	JS
4-12-4	Interpretation of modelling output in collaboration with all partners.	JS/HBH/…
WP5		
5-10-1	Reporting the CEEH integrated 'energy-environment-health' modeling framework (system) and definition of data exchange between models/modules (REPORT no 1) ~~plus a shorter version as a paper (All partners).~~	ALB√
5-10-2	Report on the methodology of the modeling for sensitivity, risk/impact minimization and optimization studies (DMI).	ALB√
5-10-3a	Test runs of the adjoint model for optimization of place and parameters of one power plant (DMI, RISØ/DTU).	RN/KK√
5-10-3b	A small report	RN/ALB
5-10-4	Demonstration of the full CEEH chain – the EVA line. REPORT no. 4	JBR/KK
5-10-5	Description of the EVA system and validation. REPORT no. 3	JBR
5-10-6	Working plan for the environmental impact module in CEEH. This is the project description for the PostDoc.	MLSA
5-10-7	First demonstration of environmental impacts and implementation hereof in CEEH: Selection of pollution components, type of impacts (crops, fishery, loss/gain of nature values (biodiversity, e.g. acidification of lakes).	MLSA
5-11-1	Sensitivity studies on choice of scenario and energy types	KK/EK
5-11-2	Definition of optimization strategy in the HIA-line (the final CEEH system).	ALB/EK /JBR/KK
5-10-8a	½ page about optimization strategy	
5-10-8b	Detailed description of optimization strategy	
WP6		
6-10-1	Description of the EVA system and validation. REPORT no. 3	JBR
6-10-2	Demonstration of the full CEEH chain – the EVA line. REPORT no. 4	JBR/KK
6-11-1	Description of the HIA system and validation. REPORT no. 5	HBH/EMF
6-11-2	Demonstration of the full CEEH chain – the HIA line (REPORT no 6)	HBH/EMF
6-12-1	Running the full CEEH chain for all scenarios	HBH/ALB /JBR/KK
6-12-2	Assessment of uncertainties in the integrated assessment using Monte Carlo simulations	ALB/JBR
6-12-3	Final report containing all results REPORT no 8	EK
WP7		
7-10-1a	Planning of a common workshop with CEESA and Rebeca.	EK√
7-10-1b	Making a CEEH report based on extended abstract from the conference	EK/MLSA
7-10-2	Organizing the conference 2010	JBR√
7-10-3a	Investigate the possibility for holding a common summer school with MUSCATEN and TEMPUS	EK/ALB√
7-10-3b	Organize summer school with MUSCATEN and TEMPUS	EK/ALB

7-10-4a	Organizing the CEEH workshop dec 2010		MLSA /EK√
7-10-4b	Organizing the CEEH workshop June 2011		MLSA /EK
7-10-5a	Organizing 4 steering board meetings	1-11	MLSA /EK√
7-10-5b	Organizing one ”Stake holder” forum in march 2011	1-11	MLSA /EK
7-10-6a	Final a re-budgeting		MLSA√
~~7-11-1~~	~~Organize/investigate summer school 2011 (not certain)~~		~~EK/AB~~
7-11-2	Planning of events/presentations in 2012 (We will not host a conference)		MLSA
7-11-3	Organizing 4 steering board meetings in 2011 & 2012		MLSA /EK
7-10-6b	A budgetplan for the rest of the centre		