

SCARP Phase 2 application

Appendix 1

Extended description of communication activities in phase 1. (work in progress)

Communication within phase 1.

The evaluation committee asked for a more detailed reporting on the communication activities during phase 1. We have initiated such a work but have not been able to make a more complete inventory and description of all activities and the outcome of these activities.

Seminars, conferences and workshops

A number of workshops and seminars have been organised by SCARP, often in collaboration with other organisations. These include:

Nitrogen critical loads for terrestrial ecosystems in low deposition areas

29-30 March 2007 in Stockholm. The seminar was organised together with i.a. Swedish Environment Protection Agency.

Target group: International scientists and ecosystem effects experts. The conclusions of the workshop were taken further into the Working Group on Effects and its subsidiary bodies.

No of participants: Approx. 30.

Indicators for modelling critical load of N based on vegetation effects

3-4 September 2007 in Göteborg. International workshop. Workshop conclusions on SCARP's web page.

Target group: Scientists working with modelling of critical loads.

No of participants: ?

Assessment of air pollution for epidemiological studies

6-7 November 2007 in Göteborg. International workshop. Presentations on SCARP's web page.

Target Group: National authorities, industry and scientists.

No of participants: 50?

Air pollution and climate change

A two day seminar on air pollution 12-13 November 2008 organised together with Naturvårdsverket and IVL.

Target group: National and local authorities, industries with air pollution emissions, sector authorities (energy transport etc.)

No of participants: 150 (day 1) approx. 100 (two seminars, approx. 50 at each)

At the seminar, which attracted approx. 150 people, a comprehensive presentation of the program and its results was given. The first day was focused on the interrelations between air pollution and climate and the significance for the transport sector and involved a broader set of speakers including IIASA, the industry and authorities. On the second day, results from the project were presented and discussed from a user perspective in two parallel sessions.

SCARP is also involved in the organisation of the international workshop on climate and air pollution to be held in Göteborg 19-21 October 2009.

Target group: International experts and negotiators within the fields of air pollution and climate change

No of participants: 200

SCARP and SCARP scientists were also heavily involved in the 3rd Saltsjöbaden Workshop in Göteborg in March 2007 <http://asta.ivl.se>.

SCARP scientists were involved in the NIAM/APRIL Workshop, Reducing the Environmental Impact of Transport with Behavioural Change, 8-9 January 2009, London. (www.niam.scarp.se)

Target group

No of participants:

Books

SCARP scientists are main authors in a book on air pollution and climate change to be published in October 2009. The book will form a background for the workshop 19-21 October in Göteborg.

Target group: Primarily participants in the workshop in Göteborg 19-21 October and further as a document to be widely distributed among experts and others (e.g. COP15).

No of copies: ??

Interactions with general public, media etc.

Several of the programme participants have communicated research and results with ordinary public media through articles in newspapers, press releases, articles in specialized journals etc. We intend to make a more complete inventory of these activities too.

Table 1: Communication plan and SCARP communication activities during phase 1.

Activity	Periodicity	Target group	Responsible	Activities
Web page in Swedish and English	Available by 1 Jan 2007	Public, Scientific community, Experts, Media	Information officer	The web page has been working since the program start www.scarp.se
Progress reports	Yearly	Naturvårdsverket,	Information officer. Program coordinator	Yearly progress reports have been established in connection with annual meetings.
Popular summaries	Yearly	Interested public, media etc	Information officer. Program coordinator area coordinators	Was taken out from the program due to cut in the program budget.
Program plans	Yearly	Naturvårdsverket. Internal follow-up	Program coordinator	Representatives from Naturvårdsverket are invited to all internal meetings even the management group meetings.
Internal information on external processes of relevance for SCARP. This activity contains information from policy related processes CLRTAP, EU, Swedish environmental objectives etc..	In connection with meetings. At least every ½ year	SCARP participants	Program and area coordinators.	All internal meetings include an agenda item at which most recent policy activities nationally and internationally are handled.
Contacts with national stakeholders. Participation in seminars will be encouraged.	Yearly.	Local regional and national environmental and health administrations. The industry.	Program and program areas coordinators.	See the list of seminars. In particular the seminar 12-13 November 2008 had a wide participation from various stakeholders.
Organisation of SCARP seminar.	At least one wide seminar during phase 1	Local regional and national environmental and health administrations. The industry	Program and program area coordinators	See the list of seminars.
Increase the ability to communicate results to policymakers and the public.	The yearly meeting in the autumn 2007.	Participants in the SCARP program, in particular young scientists	Information officer	No particular activity was organised.

Connections to policy development

The program was set up in order to support national and international policy. Swedish environmental policies are mainly based on the National Environmental Objectives, decided by the Parliament. The program is mainly relevant for three of the environmental objectives:

- Clean Air
- Only natural acidification
- No eutrophication

With respect to international air pollution policies and in particular EU policies, the programme has the intention to publish results in relation to the revision of the EU thematic strategy, which is expected to start its process and publish its results sometimes after 2012, i.e when the program is about to finish.

Internationally, the results from the programme area 1, are most likely to be important for the revision of WHO documents. They will also be of importance for the regulations of emissions and implementation of EU directives on air quality. Results from the programme areas 2, 3 and 4 are directly connected to processes under CLRTAP and results are continuously reported and discussed in relevant working groups.

Many of the scientists have also been involved in national and regional/local organisations and processes connected to the National Environmental Objectives and their implementation.

Table 2: Key involvements of SCARP scientists in international policy organisations.

CLRTAP - EMEP	Peringe Grennfelt David Simpson John Munthe
CLRTAP - TFMM	HC Hansson David Simpson Christer Johansson
WHO/ CLRTAP – TF Health	Bertil Forsberg
CLRTAP – TF Mapping och ICP:s	Filip Moldan John Munthe Harald Sverdrup Salim Belyazid Sofie Hellsten Annika Nordin Cecilia Akselsson
CLRTAP – TF IAM and NIAM	Stefan Åström Mohammed Belhaj

Table 2. Participation in policy-related activities (the table is still in progress).

National and international activities.

Activity	Target Process/group	Presentations	Impact	Comments
<i>Conference: Air Pollution and Climate Change — Collaboration for the best results (In Swedish)</i> 12-13 November 2008 in Stockholm.. Day 1	Swedish industry and authorities. Nat. Environmental Objectives	<i>HC Hansson:</i> Particles – air pollution and climate connections. <i>G Pershagen:</i> Air pollution health risks and climate relations. <i>S Åström:</i> A Swedish approach to combined control strategies <i>P Grennfelt:</i> What does a changed climate in Europe mean for air quality?	150 participants representing National and regional and local authorities, industry and NGOs.	Presentations on SCARP's web page SCARP areas 1-4
- Day 2: SCARP seminar 1	Swedish industry and authorities. Nat. Environmental Objectives	<i>T Bellander:</i> Hälsorisker med luftföroreningar hos barn. Nya rön påverkar riskbedömningen <i>P Molnar.</i> Exponering för luftföroreningar inom- och utomhus hos barn <i>L Modig:</i> En jämförelse av olika metoder att mäta exponering för luftföroreningar <i>C Johansson</i> Modellering av vägdamm och avgaspartiklar - Hur påverkas riskbedömningen? <i>H-C Hansson,</i> Varför ger olika sätt att beräkna hälsorisker med luftföroreningar olika resultat?	> 50 participants representing National and regional and local authorities, industry and NGOs.	SCARP areas 1 and 2
- Day 2: SCARP seminar 2	Swedish industry and authorities. Nat. Environmental Objectives	<i>C Akselsson:</i> översikt av kvävetvets miljöeffekter i skogsekosystem <i>L Högbom m fl:</i> Leder hög kvävebelastning till kväveutlakning? <i>A. Nordin m fl:</i> Vilken effekt har kväve på markvegetation? <i>J Munthe:</i> Introduktion: GAINS-modellen, struktur, möjligheter och begränsningar. <i>L Nerhagen m fl.</i> Kostnadseffektiva åtgärder för luftföroreningar och växthusgaser: GAINS Sverige och åtgärder inom transportsektorn	> 50 participants representing National and regional and local authorities, industry and NGOs.	SCARP areas 3 and 4
Oral presentation at the SYMF meeting in Borås in November		Sällsten G. Exposure to wood smoke	Project 1.11	Scarp area 1

6 th 2008.				
GU Summer-school on Organic Aerosols	Students	M. Hallquist: (Organiser) D. Simpson: Modeling Organic Aerosol	ca. 50 PhD students	SCARP Area 2
Workshop on Nitrogen critical loads for terrestrial ecosystems in low deposition areas in Stockholm, 29 - 30 March 2007.		Belyazid, S. The Swedish experience in modeling changes in the ground vegetation: where from and where to.		
EMEP Steering Body	CLRTAP International agreements	P Grennfelt. Meetings 2006-2009.		Scarp Areas 1-4
TF Reactive Nitrogen Meetings Nov 2006, May 2007	CLRTAP International agreements	P Grennfelt: Chairing sessions.		Scarp 3
TF IAM. Meetings 33rd, 34th, 35th and 36th TF IAM meeting + Workshop "Integrated modelling of nitrogen"	CLRTAP International agreements	S Åström M Belhaj		Scarp 4
23 rd Task Force Meeting of the ICP Modelling and Mapping, 26-27 April 2007, Sofia, Bulgaria		A. Nordin <i>m-fl.</i> : Report from a workshop on effects of low N doses on N sensitive northern ecosystems, Stockholm, 29-30 March 2007. (Oral presentation by S. Hellsten).		SCARP area 3
17 th CCE Workshop of the ICP Modelling and Mapping, 23-25 April 2007, Sofia, Bulgaria		A. Nordin, <i>m-fl.</i> : Responses of boreal vegetation to low N doses – empirical observations with implications for the N critical load. Results presented at the Stockholm N workshop in March 2007. (Oral presentation by S. Hellsten).		SCARP area 3
4 th International Nitrogen Conference, N-2007, 1-5 October 2007, Bahia, Brazil.		Belyazid, S, <i>m.fl.</i> : Dynamic critical loads of nitrogen deposition based on changes in the composition of the ground vegetation. (Oral presentation by S. Hellsten) C. Akselsson: Assessing the risk of N leaching across a steep N deposition gradient in Swedish forests Högbom, L. et al. Nitrogen losses from nitrogen rich coniferous sites in Sweden.		SCARP area 3
19th CCE Workshop and the 25th Meeting of the Task Force M&M, 11 - 15 May 2009, Stockholm, Sweden		Moldan, F., Response in soils, waters and vegetation after 18 years of increased N deposition: some issues in setting up the effect-based criteria. Nordin et al Invited speaker 19th CCE Workshop and the 25th Meeting of the Task Force M&M		SCARP area 3

An expert workshop of the Convention on Long-range Transboundary Air Pollution (LRTAP) 29 – 30 March 2007 in Stockholm, Sweden		Nordin et al Workshop organizer and keynote speaker. “Nitrogen critical loads for terrestrial ecosystems in low deposition areas”		funded by the Swedish Environmental Protection Agency in cooperation with UNECE/LRTAP Convention and the Swedish Clean Air Research Programme (SCARP).
Nitrogen Deposition and Natura 2000 Workshop COST 729 Mid-term Workshop 2009, 18-20 May, 2009 Brussels		Nordin et al Invited speaker Nitrogen Deposition and Natura 2000 Science & practice in determining environmental impacts		SCARP area 3
Workshop on Integrated Assessment Modelling of Nitrogen, 28-30 Nov 2007.		Belyazid, S. Integrated modelling for simulating nitrogen deposition effects and estimating critical loads of nitrogen based on changes in the ground vegetation.		SCARP area 3
Joint Expert Group on Dynamic modelling meeting, 24-26 Oct, 2007.		Belyazid, S. A summary of recent and ongoing developments in Sweden in modelling Nitrogen effects on terrestrial ecosystems.		SCARP area 3
Extended Bureau Meeting WGE, 28.-29. Aug. 2007.		Jenkins, A. & Moldan F. Nutrient Nitrogen – Results and Key Conclusions		SCARP area 3
Oral presentation at the 29 th ICOH conference, Cape Town South Africa 2009.		Barregard L, et al. Effects of short term exposure to wood smoke on markers of inflammation, coagulation and DNA damage.	Project 1.11	Scarp Area 1
Oral presentation at the Occupational and Environmental Medicine meeting in Stockholm, spring 2009.		Barregard L. Wood smoke (Vedrök in session Particles and Health)	Project 1.11	Scarp area 1
Oral presentation at ISEE/ISEA conference, Pasadena, US, 2008.		Molnar P et al. Particle number and NOx concentrations in Gothenburg – Present levels and changes over time due to traffic planning.	Project 1.12	Scarp area 1
Poster presentation at ISEE conference Dublin 2009		Stockfelt L et al. Soluble adhesion molecules in serum of healthy adults – effects of wood smoke exposure as well as variability within and between	Project 1.11	Scarp area 1

		individuals.		
European Geophysical Union, Vienna, 2009	Scientists	Bergström, R., and D. Simpson: Evaluation of gas/particle SOA mechanisms for α -pinene for the EMEP model (Poster) Simpson, D., K.-E. Yttri, R. Bergström and H. van den Dier: Source- apportionment and Model Evaluation: Experiences with the EMEP SOA model (Oral)	ca. 50 scientists in oral session, 1000s of scientists in poster sessions	SCARP Area 2
iLEAPS/GEWEX Meeting, Melbourne, Australia, 2009	Scientists	D. Simpson: Biosphere-atmosphere interactions in the EMEP chemical transport model: Lessons and uncertainties (Oral)	ca. 100 scientists	SCARP Area 2
EMEP Status Report 4/2009 (see www.emep.int)	Policy-makers + scientists	D. Simpson, R. Bergström et al.	100s reports distributed, available on web.	SCARP Area 2
ICCE 2009 June 14-17: 12 th EuCheMS International Conference on Chemistry & the Environment	Scientist, policy makers	<i>Bennet, C., Bergström, R., Kokkola, H.:</i> Optimizing aerosol dynamics parametrisations for regional chemical transport modelling (poster)		SCARP area 2