



# Minutes

## 48<sup>th</sup> Meeting of the Subgroup for Hot Spots Exclusion (SHE#48)

Telephone/web meeting 15<sup>th</sup> April 2016

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### 1. Opening of the Meeting

The telephone/web meeting was opened at 09.00 and attended by the following participants:

- Russia (co-chair Maria Dronova)
- Norway (co-chair Hanne Aronsen, Olaug Bjertnæs)
- Sweden (Åke Mikaelsson, Nadya Maslova)
- Finland (Emma Nurmi)

and Observers:

- IBS (Maria Dianova)
- NEFCO (Henrik G Forsström, Ruslan Butovskiy)

### 2. Adoption of the Agenda

The meeting agenda was adopted with minor changes.

### 3. Review and adoption of Minutes from the SHE 47 Meeting

Minutes of SHE 47 was adopted with some minor changes as agreed during the meeting. The approved minutes will be circulated to the members of the SHE group shortly.

### 4. Follow-up of tasks distributed at previous meetings

All follow-ups from SHE#47 meeting were completed.

### 5. Approval and operationalisation of the SHE Work Programme 2016-2017

The received comments on SHE Work Programme 2016-2017 were reviewed. The group came to agreement on a final draft Work Programme with two outstanding issues only; to include text on page 4 about achievements during the Russian chairmanship and to agree on text for activity 3 in Annex 1 - List of SHE activities 2016-2017. Russia will give their input and comments on the Work Programme within 3 weeks.

After 3 weeks, i.e. by the 6<sup>th</sup> of May 2016 the final Work Programme 2016-2017 will be circulated for SHE approval under silence before it is submitted to WGE for their approval.

The SHE group discussed operationalization of the work programme:

- Activity 4) Support activities

Sweden will within 2 weeks, i.e. by the 29<sup>th</sup> of April 2016, draft a proposal for a pilot support activity, including proposal of topic/industry, location, draft program, participants, contributors etc., in cooperation with NEFCO, IBS and relevant Russian partners.

SHE noted that the envisaged support activities may be fully or partly funded by the Barents Hot Spot Facility (BHSF), and requested NEFCO to kindly consider providing such funding from the BHSF if and when needed, in close co-ordination with the SHE itself, the IBS, and the persons that will work specifically with these activities on behalf of SHE.

- Activity 3) Specific Exclusion Criteria

The group discussed how to continue the work to define the Specific Exclusion Criteria for hot spots. It was concluded to start with an expert review of the Specific Exclusion Criteria drafted by Ruslan for hot spot A3-1. Experts nominated from Sweden (Bo Jansson), Norway (Olaug Bjertnæs) and possibly Finland will send their comments on the draft Specific Exclusion Criteria for hot spot A3-1 to Ruslan and the nominated experts will cooperate with the aim to present a revised draft Specific Exclusion Criteria for hot spot A3-1 to SHE before the next SHE meeting.

Relevant questions for the review could be;

- Are the proposed criteria relevant and feasible?
- Will it be possible to verify if the criteria are met or not, when the actions are implemented?
- How do the criteria correspond and relate to Russian BAT about to be introduced and to the existing European BAT?
- How do the criteria correspond to the current Russian legislation as well as to the current permit

The experts will report back to SHE before the next SHE meeting.

- Activity 1) Implementing HS procedure

The SHE group discussed how to follow up on hot spots A4 Novodvinsk Pulp and Paper Mill, Ko1 Greenhouse gases from Vorkuta coal field, and Ko2-1 Vorkutinskiy Cement Plant, and concluded that this would have to be discussed further at a later meeting.

Henrik reminded about the document circulated after the SHE 47 meeting on how the Russian BREFs (ready and in progress) connect to the Barents hot spots as well as certain projects and other concerns in the Arctic context (see Appendix 1, distributed by e-mail from Henrik 15.03.2016,) All are encouraged to provide comments on this document before the next SHE meeting.

Questions came up about the status of the CPESC group. Hanne will check this and get back to the SHE group.

## 6. Topic(s) for the next meeting

Hanne summed up the following topics relevant for the next meeting:

- Support activities (Discussion based on proposal to be developed by Åke)
- Draft Exclusion Criteria for A3-1 (discussion based on recommendations and a revised draft prepared by Ruslan after input from experts from Sweden and Norway + Russian authorities, hot spot owners etc. as appropriate)
- Discussion on how to follow-up on the hot spots A4, Ko1 and Ko2-1?

## 7. Summary of Next Steps and Distribution of tasks

<b>Task</b>	<i><u>Responsible</u></i>	<i><u>Deadline</u></i>
Circulate the approved Minutes from SHE#47	Hanne	1 week
Circulate the final draft of the SHE Work Programme 2016-2017 to the SHE group for final review	Hanne	1 week
Provide a short text for Chapter 3 (Background) of the SHE Work Programme 2016-2017, about the SHE work during the Russian chairmanship 2014-2015,	Maria Dronova	3 weeks (May 6th )
Provide comments on activity 3 (Annex 1 – List of SHE activities 2016-2017) about Lead and wording.	Maria Dronova (and all SHE members)	3 weeks (May 6th )
SHE review of the final draft SHE Work Programme 2016-2017. Final comments.	All SHE members	3 weeks (May 6th )
Provide comments on the draft template for Specific Exclusion Criteria	Maria Dronova	3 weeks (May 6th )
Send the agreed version of the SHE Work Programme 2016-2017 to WGE chair seeking WGE approval.	Hanne	After SHE agreement
Circulate Minutes from SHE#48	Hanne	asap
Comment on the Minutes from SHE#48	All SHE members	2 weeks
Draft a proposal for program for a pilot support activity in a Russian region, for SHE consideration	Åke	2 weeks (April 29th)
Expert review of the Specific Exclusion Criteria drafted by Ruslan for hot spot A3-1, with the aim to present a revised draft and possible recommendations to SHE before the next SHE meeting.	Ruslan (+ experts)	3 weeks (May 6th )
Circulate draft exclusion criteria for hot spots Ko6 and Ko7 (in English). (postponed from SHE#47)	Ruslan	
Information to SHE members on status for CPESC	Hanne	asap

Comments on the document relating hot spots with the Russian BREFs , if any (to Henrik)	All SHE members	3 weeks (May 6th )
SHE#49 telephone/web meeting May 13 <sup>th</sup> .	All SHE members (Norway will invite)	May 13 <sup>th</sup>

### **8. Any Other Business**

No AOB.

### **9. Date for Next Meeting**

Telephone/web meeting May 13<sup>th</sup> 2016.

### **10. Closure of the Meeting**

The meeting was closed at 10:50.

Appendices:

Appendix 1 – BREF:s of Relevance to Barents Hotspots and Arctic Projects

## Appendix 1

E-mail from Henrik G. Forsstrøm: BREF:s of Relevance to Barents Hotspots and Arctic Projects

**Fra:** Henrik.Forsstrom@nefco.fi [mailto:Henrik.Forsstrom@nefco.fi]

**Sendt:** 15. mars 2016 11:30

**Til:** Ake.Mikaelsson@naturvardsverket.se; Hanne Aronsen <hanne.aronsen@miljodir.no>; Emma.Nurmi@ymparisto.fi; dronova@mnr.gov.ru; rbutovsky@rambler.ru; Nadezda.Maslova@Naturvardsverket.se; Jan-Torjus.Thompson@kld.dep.no; maria.dianova@beac.st; Olaug Bjertnæs <olaug.bjertnas@miljodir.no>; Helen-Johanne.Andersen@kld.dep.no; henna.haapala@ymparisto.fi

**Kopi:** Lotten.Sjolander@naturvardsverket.se; rebecka@beac.st; elin.kronqvist@regeringskansliet.se; gunilla.blomquist@gov.se

**Emne:** Overview by Ruslan of BREFs, Hot Spots and certain Arctic projects and issues (first draft)

**Viktighet:** Høy

Dear fellow SHE members

I attach the first draft overview as requested by me and provided by Ruslan on how the Russian BREFs (ready and in progress) connect to the Barents “hot spots” as well as certain projects and other concerns in the Arctic context. As explained at the meeting it thus comes “as is” from Ruslan without any review or “quality control” from NEFCO.

“Green” is approved BREFs, “yellow”- to be approved in 2016, “red” - in 2017. If deemed relevant, I am sure Ruslan can also present it more closely at today’s SHE meeting!?

Best regards

Henrik

RELEVANT BREFs	BARENTS HOTSPOTS	ARCTIC PROJECTS
<b>PULP AND PAPER PRODUCTION</b>		
1. Pulp and paper production (2015)	A1 – Solombala PPM	
38. the fuel combustion at a large units for the energy production (2017)	A4 – Arkhangelsk PPM A5 – Koryazma branch of Ilim group	
<b>COAL MINING</b>		
37. the enriched coal mining (2017)	Ko-1 – Vorkutaugol JSC coalmines Ko8 – coal mining industry WM	
<b>OIL AND GAS EXTRACTION</b>		

<p>28. the oil extraction (2017)</p> <p>29. the natural gas extraction (2017)</p> <p>30. the oil processing (2017)</p> <p>50. the processing of natural and associated gas (2017)</p>	<p>N1 – Kumzhinskoye gas and condensate field</p>	
<b>ORE MINING AND METAL PRODUCTION</b>		
<p>3. Copper production (2015)</p> <p>11. Aluminium production (2016)</p> <p>12. Ni, Co production (2016)</p> <p>13. Pb, Zn, Cd production (2016)</p> <p>14. precious metals (2016)</p> <p>16. overburden and host rocks (2016)</p> <p>23. mining and enrichment of ores of non-ferrous metals (2017)</p> <p>24. the production of rare earth metals (2017)</p> <p>25. mining and enrichment of ferrous ores (2017)</p> <p>26. the production of iron, steel and ferroalloys (2017)</p> <p>27. the production in further processing of ferrous metals (2017)</p> <p>49. the extraction of precious metals (2017)</p>	<p>M1- Pechenganickel, M2 – Monchegorsk, M3 – Apatit JSC, Kirovsk M5 – Kovdorskiy GOK K2 – Nadvoitzy Al Plant</p>	<ul style="list-style-type: none"> <li>• Non-ferrous/zinc smelter mercury reduction in RF (2013-ongoing)</li> <li>• Hg control technology workshop (2010-ongoing)</li> </ul>
<b>SEWAGE WATER MANAGEMENT</b>		
<p>8. Sewage water treatment (at industries) (2015)</p> <p>10. Sewage water treatment (at settlements) (2015)</p> <p>47. the system of management of sewage</p>	<p>M6 – water quality in Kola river</p> <p>M7 – drinking water supply in Zelenoborsky-1</p> <p>K3 – drinking water supply in settlements of Karelia</p>	

water and the exhaust gases in chemical industry (2017)	<p>K5 – sewage treatment in Petrozavodsk</p> <p>K6 – sewage treatment in small towns and settlements of Karelia</p> <p>N2 – Drinking water supply in NAO</p> <p>N3 – Wastewater treatment in Naryan-Mar, NAO</p> <p>Ko3-2 – waste water treatment at Mondi PPM</p> <p>Ko4 – sewage treatment in small settlements in Komi Republic</p> <p>Ko5 – drinking water supply in Komi</p>	
<b>AIR POLLUTION</b>		
<p>22. treatment of emissions of air pollutants in the production process at large enterprises (2016)</p> <p>38. the fuel combustion at a large units for the energy production (2017)</p>	<p>M4 – Apatity HPP of TGK-1</p> <p>K2 – Nadvoitsy Al plant</p> <p>K7 – HPP burning of fuel oil and coal in Karelia</p> <p>A3-1 – Severpodvinsk HPP-1</p> <p>Ko2-2 – Vorkuta HPP</p>	<ul style="list-style-type: none"> <li>Valday Cluster Upgrade for BC reduction in the Republic of Karelia (2014-ongoing)</li> </ul>
<b>CEMENT PRODUCTION</b>		
6. Cement production (2015)	Ko2-1 – Cement Northern company	<ul style="list-style-type: none"> <li>Pilot emission reduction actions at Vorkutinskiy Cement plant</li> </ul>
<b>WASTE MANAGEMENT</b>		
<p>9. Thermal destruction of wastes (2015)</p> <p>15. waste deactivation (2016)</p> <p>17. disposal of wastes (2016)</p>	<p>M9 – sunken and abandoned ships at the Kola Bay</p> <p>M10- oil-containing WM</p> <p>K8 – WM in Karela</p> <p>K9 – waste dumping ground Gorelaya Zemlya in north Petrozavodsk</p> <p>A6 – WM in Arkhangelsk region (AR)</p>	<ul style="list-style-type: none"> <li>Phase III. Demonstration of environmentally sound destruction of obsolete pesticides (2001-2019)</li> <li>Demonstration of management and destruction of 250 t of PCB in transformers: Phase III (2001-2019)</li> </ul>

	<p>A7 – Areas of past environmental damage in AR</p> <p>A8 – Spent motor oil in AR</p> <p>A9 – Dioxin pollution in AR</p> <p>Ko6 – WM in Komi Republic</p> <p>Ko7 – wood processing industry WM</p> <p>Ko8 – coal mining industry WM</p>	<ul style="list-style-type: none"> <li>• Demonstration of Rapid Environmental Assessment of pesticides contaminated sites (2016-2017)</li> </ul>
<b>ECOLOGICAL CONTROL</b>		
22' the general principles of ecological control and its metrological provision (2016)	ALL	
<b>ENERGY EFFICIENCY</b>		
48. the increase of energy efficiency (2017)	ALL	