

The 2nd EU Action on Black Carbon in the Arctic Technical Workshop

15-16 November 2018, C.N.R. Bologna Research Area
Conference Centre, Room 214
Bologna, Italy

Scope:

This meeting will serve as a review of the first-year deliverables and ensure that milestones/timelines are met. The key deliverables that will be reviewed at this workshop include work to be completed in 2018 and early 2019 under work-package 1, addressing completion of the technical reports on: 1) black carbon inventory and reporting systems, 2) monitoring and observation systems, 3) emission scenario development including baseline scenario and mitigation/reduction strategies. Plans for finalizing the technical reports and associated milestones/timelines will be discussed. Under work package 3, a draft guidance report on Best Available Techniques (BAT) Economically Achievable on gas flaring from oil and gas operations will be reviewed which is to be published by early 2019. Finally, if time allows, a discussion will take place on communications and outreach issues and products which could be produced in association with the three technical and one guidance reports at upcoming events.

Final Draft Agenda

15 November 2018

Note to remote participants¹

12:00 – Registration and lunch (catering together with participants SLCFs participants)

13:30 – **Opening of workshop; review of objectives and 1st Year Deliverables** (AMAP Secretariat and Report Leads)

14:00 – **A) Presentation of the Technical Report on BC Emissions Reporting / Inventory Systems**

- Outline of report structure (UBA/SYKE)
- Review of BC emission reporting within LRTAP (UBA)
- BC Emission reporting within Arctic Council (SYKE)
- BC Emissions from the main source sectors under the Action: Inventory methods and emission estimates of the LRTAP Parties (UBA)
- **Remote Presentation: GAINS and EMEP modelling in the Russian Federation - Further Developments at the Regional Level** - Katarina Yaramenka (IVL)
- Comparing LRTAP and Arctic Council reporting with IIASA estimates (SYKE/IIASA)

16:00 – *COFFE BREAK*

16:1500 – **Discussions on Technical Report [led by UBA, SYKE and AMAP]**

- General feedback from partners to the report sections
- Contributions required/expected from other parties
- Discuss main conclusions and recommendations we want to make with the report
- Plan for review of technical report (including possible consultations with EC, EMEP, etc.)
- Milestones / Timelines to completion (end of 2018)

18:00 – **End of Day and Return to Hotels**

¹ Remote participation will be through the AMAP Secretariat's GoToMeeting connections. Links and call-in numbers are provided on pages 3-4 of the agenda (note they are different for each day).

08:30 – **B) Technical Report on Monitoring / Observational Systems**

- Mapping of BC Emissions monitoring / observational systems and outline of the zero draft technical report (NILU)
- Contributions required/expected from other parties (NILU)
- Review and discussion on sections of the draft report (section leads)

10:30 – *COFFE BREAK*

10:45 – **Identification of Key Knowledge Gaps**

- Identify data mapping needs and gaps
- Connecting to other national, international and sectoral activities
 - Monitoring / Observational networks within Arctic Council (AMAP)
 - Monitoring / Observational networks within LRTAP Convention (EMEP)
 - National Monitoring / Observational networks – e.g., Canada, USA and Russia
- Discuss Key Conclusions and Recommendations
- Milestones / Timelines to completion (end of 2018)

12:30 – **Lunch**

13:30 – **C) Scenarios and Projections – Baseline**

- Presentation of the baseline scenario (IIASA)
- Harmonization with guidance document work under other WPs (especially WP3)
- Providing scenarios for modelling work (AMAP/PACES/NILU/CICERO/....)

14:30 – **Policy / Mitigation Scenarios**

- Design and key assumptions (IIASA/SYKE)
- Application to the three main source sectors in the Arctic – gas flaring, domestic heating and maritime shipping
- Update on possible additional sectors (e.g. open burning)
- **Presentation** – *Open (including Agricultural) Burning and Results of Recent CCAC Study for Southeast Asia, Europe and North America* – Jessica McCarty (remote) and Pam Pearson (in-person) (ICCI/CCAC)
- Consideration of costs associated with mitigation/reduction scenarios
- Consultation and communication of policy scenarios to EGBCM (outcome from presentation given on scenarios to EGBCM on 20 Sept 2018)
- Harmonization with work under other WPs (especially WP3)
- Outreach and connection to modelling activities, etc.
- Future work
- Conclusions and Recommendations
- Milestones to completion (early 2019)

16:00 *COFFE BREAK*

16:15 – **D) Best Available Techniques (BAT) Guidance Document on Gas Flaring**

- Outline of report structure and content (CL)
- Technical descriptions of the existing BAT Economically Achievable, information on typical costs, applicability conditions, and barriers to project implementation, and key advantages and benefits
- Identification of gaps and how to fill
- Comparison to other related Guidance Documents
- Future work

- Conclusions and Recommendations
- Milestones to completion (early 2019)

17:00 – E) Communications, Awareness and knowledge sharing

- Policy and scientific meetings where reports could be used
- Communication and information campaigns on knowledge products (e.g. technical reports)
- Review of three draft info-graphics to be included in the brochure
- Web platform (internal and external communication)
- Planning further workshops

17:30 – **Any other business**

17:40 – **Final remarks/close of the meeting**

17:45 – **End of Workshop - Departure to the airport/hotel**

Remote Participation:

EUA-BCA workshop - teleconnections - day 1
Thu, Nov 15, 2018 11:50 AM - 5:50 PM CET

Please join my meeting from your computer, tablet or smartphone.
<https://global.gotomeeting.com/join/136608269>

You can also dial in using your phone.

Access Code: 136-608-269

Country phone numbers:

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First GoToMeeting? Let's do a quick system check:
<https://link.gotomeeting.com/system-check>

EUA-BCA workshop - teleconnections - day 2
Fri, Nov 16, 2018 9:00 AM - 5:00 PM CET

Please join my meeting from your computer, tablet or smartphone.
<https://global.gotomeeting.com/join/601737845>

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Country phone numbers:**Austria: [+43 7 2081 5337](tel:+43720815337)****Belgium: [+32 27 00 6375](tel:+3227006375)****Canada: [+1 \(647\) 497-9373](tel:+16474979373)****Denmark: [+45 32 72 03 69](tel:+4532720369)****Finland: [+358 942 72 0972](tel:+358942720972)****France: [+33 170 950 590](tel:+33170950590)****Netherlands: [+31 207 941 375](tel:+31207941375)****Norway: [+47 21 93 37 37](tel:+4721933737)****Spain: [+34 932 75 1230](tel:+34932751230)****Sweden: [+46 853 527 818](tel:+46853527818)****United States: [+1 \(224\) 501-3316](tel:+12245013316)****First GoToMeeting? Let's do a quick system check:****<https://link.gotomeeting.com/system-check>****Meeting Logistics:*****VENUE***

The meeting will be held at the C.N.R. Bologna Research Area (<http://www.bo.cnr.it/dove-siamo-eng.html>).

We will meet at the Conference Center (<http://www.bo.cnr.it/congressi/sala216-eng.html>).

TRANSPORTATION

From Bologna airport there is a Bus to the city centre, named BLQ (the Bologna Airport acronym), and the bus stop is located just at the right side of the arrival exit.

Bus runs every 15 minutes until very late in the evening (00:15 am). Ticket (6 euro) can be purchased at automatic machines also with the credit card.

You can organize your BLQ trip from the airport to the hotel using the web site

http://www.atc.bo.it/orari_percorsi/planner/plannerEN.asp

Taxis can be used instead but do not accept credit cards. Please ask before taking a taxi to ensure you have enough euros.

Two buses reach CNR from the city center. Enclosed maps with the route of bus 87 and 37 in the center. (the bus path can be seen also through the web [towards C.N.R.](#) or [from C.N.R.](#)).

The most convenient bus stop is the stop at the beginning of Indipendenza road where you can take both 87 and 37, to reduce the time waiting for a bus.

If you are able to book a room in hotels located not far from via Indipendenza, the best stop where to take the bus is the stop at the end of via Indipendenza (see the map at page 1). You need to take the direction going far from the centre.

You need to buy a bus ticket (1.50 euro) before taking the bus. Ticket need than to be validated on the bus.

You can buy them at the newspaper or tabac shops. For Indipendenza stop you can use the newspaper shop you can see in the square.

CNR is the last stop so you can relax on the bus and enjoy the 5 - 10 minutes trip.

Other information can be found on the research area web page indicated above (<http://www.bo.cnr.it/dove-siamo-eng.html>).

ACCOMODATION

The simplest and most convenient choice is a hotel in the city centre not far from via Indipendenza.

The following hotels are recommended:

Paradise hotel

I portici
Hotel Internazionale
Nuovo Hotel del porto
MillennHotel
NH Bologna de la Gare

A long list of hotels which quality of services have been assessed is also given on the research area web page <http://www.bo.cnr.it/congressi/alberghi-eng.html>
in the last column you can find the time distance from CNR if you take a taxi.

TOURIST AND OTHER INFORMATION

Weather information can be collected from the following web page:

http://www.isac.cnr.it/~radiclim/bsrn2014/?Venue_Meteo

linking to data provided by our station on the roof and connected procedures

For Tourist information several links can be found on the web page we organize for BSRN meeting
http://www.isac.cnr.it/~radiclim/bsrn2014/?Venue_Tourist_Info

A nice guide can be downloaded at the web site

http://www.emiliaromagnaturismo.it/it/pubblicazioni/download/Pubblicazioni_Misc/2012guida_bologna_una_citta_ricca_di_emozionien.pdf