

Norwegian-Russian research seminar
Biomonitoring methodologies of offshore oil and gas activities
in Norway and Russia

St Petersburg, 15-16 November 2016

Objective:

To provide a comprehensive understanding on existing environmental biomonitoring programs & methodologies to measure the biological impact of the activities of the offshore oil and gas industries in Russia and Norway.

Venue:

Large Chemistry Auditorium, Dmitry Mendeleev Center, St Petersburg State University (Universitetskaya emb. 7-9, behind the Main Building of University).

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Tuesday, 15 November

9:00 Departing Sokos Hotel Palace Bridge 9am to the meeting location. Sokos hotel address: V.o. Birzhevoi Pereulok 2-4 199004, St. Petersburg

09:30 registration

10:00 Opening the seminar. Welcoming addresses by the seminar organizers

Session 1: Regulatory biomonitoring program

10:10 Nina Mari Jørgensen, Norwegian Polar Institute: *Norwegian Russian joint monitoring approaches*

10:35 Oleg Korneev, Rosgeo St Petersburg subdivision: *Legislative base and implementation of the Offshore environmental monitoring (OEM) in Russia: State and Industrial OEM*

Session 2: Environmental monitoring practices

11:00 Lionel Camus, Akvaplan-niva (on behalf of Steven Brooks, NIVA): *Water Column Biomonitoring program*

11:25 Coffee break

11:55 Inna Morgunova, VNIIOkeangeologia: *Molecular geochemistry of the Late Quaternary bottom sediments of the Barents Sea: project results and further research prospects*

12:20 Paul Renaud, Akvaplan-niva: *Sediment survey*

12:45 Bjørn Einar Grøsvik, IMR: *Environmental condition monitoring*

13:10 Lunch at "Grad Petrov" restaurant

Session 2 continued

- 14:15 Albert Lebedev, Lomonosov MSU / RSMS: *Standard procedure of the development of fishery safe values for chemical compounds in Russia*
- 14:40 Oleg Titov, PINRO: *Fish population survey*
- 15:05 Olga Kalinka, MMBI: *Experience of Murmansk Marine Biological Institute in biomonitoring of Arctic Seas*
- 15:30 *Short coffee break*
- 15:50 Sabine Cochrane: *Drill cuttings in sensitive areas - Sponge/coral & Umbellula*
- 16:10 Lionel Camus: *Snøhvit biomonitoring*
- 16:35 Concluding remarks
- 19:00 Dinner at “Casa del Meat” restaurant

Wednesday, 16 November

- 09:30 Summing up day 1 and opening day 2 of the seminar

Session 3: Research for new tools and methodology for biomonitoring

- 09:45 Sergey Korsun, SPbSU: *Benthic ecosystem monitoring*
- 10:10 Marina Varfolomeeva, SPbSU: *Linking benthic index and contamination*
- 10:35 Sergey Kholodkevich: SRC ES RAS: *Application of bioelectronic systems for biomonitoring of biological effects of acute and chronic environmental pollution of regions of oil and gas activities*
- 11:05 *Coffee break*

Session 3 continued

- 11:35 Arina Maltseva, SPbSU: *Intertidal gastropods of the genus Littorina as a prospective tool for estimation of environmental stressor*
- 12:00 Lionel Camus, Akvaplan-niva: *The use of biosensors for water column biomonitoring*
- 12:40 *Lunch*

Session 4: Conclusion and the way forward

- 14:00 Discussion and recommendations
- 15:30 Closing the seminar