



Baltic Assembly and CERN Baltic Group meeting

CERN, 7 February 2022

Hybrid format: in-person @ CERN + Zoom

Agenda and supporting documents are available at

<https://indico.cern.ch/event/1117311/>

Summary of the meeting

1. Welcome address to the General Meeting participants by prof. Jānis Vucāns, president of Baltic Assembly and CBG Chairman prof. Toms Torims, RTU.
2. Agenda is adopted with no additional points. Participants of the meeting are listed in Annex I.
3. Welcome address by the President of the Baltic Assembly prof. Jānis Vucāns. He emphasizes the importance of the unity of the Baltic assembly and CERN Baltic group. Prof. Aadu Must comments about importance of scientific cooperation.
3. The **Chairman** informs about evolution of the CERN Baltic Group and **provides an update** about CERN group main tasks and subgroups and activities carried out by CERN Baltic group members (see presentation¹).
4. Ms. Manuela Cirilli (CERN) provides with information about knowledge transfer at CERN. The main topics of the presentation: entrepreneurships, support for young people, intellectual proper programmes, Medipix picture, Medicine therapy, proton treatment, LINACs for hadron therapy, Machina – pixel analyses of art, based on HF-RFQ, Nuclear physic in medicine (in RSU), Zenseact – efficient machine as in Volvo cars.
4. **Dr. Maurizio Vretenar** provides with presentation about accelerator technology and advanced particle therapy options for Baltics (see presentation²). The Baltic region does not have the infrastructure, so this could be the huge step forward to solve this issue. There are discussions about costs, political side and risk analyses. Technical design of this project will be ready by June 2022.

5. Representatives of each country inform regarding the state-of-play of **CERN related activities:**
Dr. Aurelijus Rinkevicius (VU) and Dr. Brigita Abakeviciene (KTU) – **Lithuania:** provide with information about involvement in CMS, CERN business incubator, In education field - new business school with internship with CERN, business Start-ups.
Dr. Kārlis Dreimanis (RTU) – **Latvia:** Latvia became CERN Associate Member State on 2nd August 2021. He informs about:
 - new doctoral study programme “Particle physics and accelerator technologies” - plan to expand the program in Baltic level and plan of development of new wide Baltics master’s study programme.
 - Latvia has 15 active researchers in this field of science.
 - projects implementations.Dr. Mario Kadastik (National Institute of Chemical Physics and Biophysics (EE)), Robert Aare – **Estonia:** Estonia is an Associate Member in the pre-stage to membership of CERN since 01.02.2021. . Estonian research groups affiliated to CERN: Currently talks ongoing involving at least 5 Estonian research groups, 1 company, and 7 CERN entities – potentially 7 new CERN collaborations. The achievements of the first year of Associate Membership indicate a clear potential for significant growth, which is why Estonia is pursuing full membership status.
6. **Mr. Reinis Znotiņš** (Chairman of the BA Economics, Energy and Innovation Committee) speaks about Baltic Assembly perspective: interconnected and innovative Baltic states. Baltic assembly – it is important to have cooperation not competition between three Baltic states, need to develop human capital, increase industry involvement and enrol new young people.
7. **Baltic students** who are working at CERN provide with presentations about they research at CERN:
 - Ms Antra Gaile (Riga Technical University) – CMS experiment and physics analyses;
 - Mr Marijus Ambrozas (Vilnius University) - CMS tracker, pixel sensor;
 - Mr Kristaps Paļskis (Riga Technical University) - Flash radiotherapy, application, NIMMS project;
 - Mr Aleksandras Ševčik (Kaunas University of Technology) - FLUKA application;
 - Mr Edgars Mamis (University of Latvia) - MEDICIS facility, scandium, industrial perspective.Presentations are available: <https://indico.cern.ch/event/1117311/> .
8. Prof. Jānis Vucāns (Riga Technical University (LV)) gives the closing speech. This is first day of CERN visit. Baltic Assembly and CERN BG members have a lot of things to discuss about best way how to co-operate. He thanks prof. Toms Torims for persistently advancing these issues.

07.02.2022.
By CBG Secretariat
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Participants of the **Baltic Assembly and CERN Baltic Group meeting**

CERN, 7 February 2022

Delegate of the Baltic Assembly:

1. Prof. Jānis Vucāns, President, Latvia
2. Prof. Aadu Must, Vice President, Estonia
3. Mr. Andrius Kupčinskas, Vice President, Lithuania
4. Ms. Inese Voika, Member of the Presidium, Latvia
5. Mr. Sven Sester, Member of the Presidium, Estonia
6. Ms. Orinta Leiputė, Member of the Presidium, Lithuania
7. Mr. Reinis Znotiņš, Chair of the Economics, Energy and Innovation Committee, Latvia
8. Ms. Agnija Antanoviča, Secretary General
9. Ms. Renata Godfrey, Secretary of the Lithuanian delegation

The Representatives of CBG Members with the voting rights

1. Prof. Toms Torims, RTU – Chairman of the CBG
2. Dr. Mario Kadastik, NICPB – Deputy Chairman of the CBG, Convenor of the CBG Industry Group
3. Prof. Mārcis Auziņš, UL
4. Dr. Aurelijus Rinkevicius, VU – Convenor of the Scientific and Technology Working Group
5. Prof. Brigita Abakevičienė, KTU
6. Dr. Jevgenijs Proskurins, RSU
7. Dr. Veronika Zadin, UT

Other contributors invited by Members

8. Adomas Jelinskas
9. Andrius Juodagalvis,
10. Dr. Andris Ratkus, RTU
11. Dr. Andrius Juodagalvis, VU
12. Dr. Kārlis Dreimanis, RTU
13. Dr. Maurizio Vretenar, CERN
14. Dr. Stefan Groote, UT
15. Kairi Otto,
16. Maarja Kadajane,
17. Mr Aleksandras Ševcik, KTU
18. Mr. Egars Mamis, RTU
19. Mr. Guntis Pikurs, RTU
20. Mr. Kristaps Palskis, RTU
21. Mr. Marijus Ambrozias, VU
22. Mr. Robert Aare,
23. Ms. Antra Gaile, RTU
24. Prof. Yury Dokshitser, RTU

CBG Secretariat

25. Ms. Aija Rūse, RTU
26. Ms. Irina Mariņina, RTU
27. Ms. Silva Vītola, RTU