

**Centre of High-Energy Physics and Accelerator Technology,
CERN National Contact Point in Latvia
And
CERN Latvia Group**

**Action Plan for 2020-2023
Summary**

The objective of this action plan is to schedule a series of consecutive actions to make Latvia an Associate Member of CERN in 2021 and, eventually, a full Member. This will contribute to the high-energy physics and accelerator technology community in Latvia, support Latvian scientists and promote local industries from relevant fields. The target audience of this plan is scientific institutions, their scientific personnel and local businesses.

Tasks:

- Assess the potential for the Latvian scientific institutions and local businesses to collaborate with CERN by considering their capacity in research and innovation and by identifying the operation field and target audience;
- Disseminate information about CERN activities to potential partners by organizing seminars and exchanging information between respective ministries and CERN;
- Expand the national capacity in high-energy physics by providing consultations to Latvian scientific institutions, their scientific personnel and local businesses about the CERN research infrastructure and their latest projects and by facilitating involvement of Latvian students at CERN activities.

CERN Activities

There has been expressed willingness through an official letter from CERN to collaborate with RTU, UL and Latvian company “Primekss” in the research project “Radiation protection related studies on concrete”.

Activity	Involved Parties
Production of concrete samples and delivery for further tests at CERN.	Primekss Ltd.
Research and development of concrete production.	RTU Faculty of Civil Engineering
Development of methodology and measurements of simple non-radioactive gasses.	UL Institute of Solid-State Physics

This gives foundation for other cooperative projects to be realized, which are being discussed with CERN.

Activity	Involved Parties
Participation in the interdisciplinary scientific collaboration project “Human presence recognition and wireless vital parameter detection in the LHC tunnel”.	RTU Center of High Energy Physics and Accelerator Technologies; RSU Department of Physics; RSU Department of Anaesthesiology and Intensive Care; RSU Department of Clinical Skills and Medical Technology.
Participation in the CERN-hosted international scientific research project “MEDICIS”.	RSU Clinic of Nuclear Medicine; RSU Radiology Research Laboratory.
Research in oncology using special isotopes (theragnostics).	RSU Clinic of Nuclear Medicine

Provisional schedule of the Action Plan

Deadline	Activity	Result
July 2019	The Cabinet of Ministers of Latvia reviews the question about conceptual support for Latvia’s accession to CERN as an Associate Member.	The Cabinet of Ministers of Latvia supports the submitted letter from the Ministry of Education and Science of Latvia about the intentions to join CERN in the status of an Associate Member.
December 2019	The Ministry of Education and Science of Latvia together with RTU Center of High Energy Physics and Accelerator Technologies prepare an Application Questionnaire for accession to CERN as an Associate Member.	The Application is prepared and submitted at CERN until December 2019.
March – July 2020	Latvia’s application has been reviewed at the CERN Board meeting and voting takes place to elect CERN Task Force in Latvia.	Latvia’s application has been accepted and included on the agenda. CERN Task Force in Latvia has been founded.
August – September 2020	The CERN Task Force visits Latvia.	The CERN Task Force prepares a report about the high-energy physics community in Latvia.

Deadline	Activity	Result
December 2020	The CERN Board evaluates the report from the CERN Task Force and votes for Latvia's accession to CERN as an Associate Member in order to assign a mandate to the CERN Director-General to discuss the agreement with Latvia.	Voting takes place and the CERN Director-General receives the mandate.
January 2021	CERN and Latvia discuss the agreement.	The agreement has been reviewed and the parties have come to an understanding.
March 2021	The CERN Board votes and assigns a mandate to the CERN Director-General to sign the contract.	The CERN Director-General receives the mandate to enter into the agreement with Latvia.
April 2021	The Cabinet of Ministers of Latvia assigns a mandate to the Ministry of Education and Science of Latvia to sign the agreement.	The Ministry of Education and Science of Latvia receives the mandate.
May 2021	An official ceremony of the agreement coming into force is held in Riga.	The agreement of Latvia's accession to CERN in the status of an Associated Member has been signed.
June 2021	Saeima ratifies the signed agreement.	The agreement has been ratified and becomes effective.
July 2021	Latvia officially announces to CERN that the agreement has been ratified.	CERN has been informed that Latvia has officially become an Associate Member of CERN.