

Further steps towards the implementation of the master's programme "European Master of Particle physics and Accelerator Technologies for Research and Industry" (EMPATRI)

"European Master of Particle physics and Accelerator Technologies for Research and Industry" (EMPATRI) study programme is designed and will be implemented and managed by a Consortium of higher education institutions (HEIs), from the three Baltic states, Latvia, Estonia, and Lithuania. At the present time, this Consortium comprises five HEIs: Riga Technical University (RTU), University of Latvia (UL), University of Tartu (UT), Kaunas University of Technology (KTU), and Vilnius University (VU). This document outlines the further steps to be taken towards the implementation of the EMPATRI study programme, following the conclusion of the Erasmus Mundus Design Measures project. Many of the steps outlined are subject to a positive feedback on the EMDM project results and a successful bid for the EMJM call.

May-June 2024:

- i. An official letter from the CERN Baltic Group (CBG)¹ on behalf of the Consortium shall be sent to the Secretariat of the Baltic Assembly (BA)² containing the EMPATRI Memorandum of Understanding (MoU) signed by the consortium members, and its annexes. This letter shall officially request the BA to table the question of the development of a legal framework to allow for the issue of a single joint diploma by the Consortium of the joint study programme. This letter shall be signed by the project leader of this EMDM project, assoc. prof. Kārlis Dreimanis (RTU), who currently holds the position of the vice-chair of the CBG. Such a letter may be issued before the final document package of the deliverables for the EMDM project is submitted to the European Education and Culture Executive Agency (EACEA)³.
- ii. The Consortium members shall be informed about the completion of the submission of the EMDM document package and the official close of the EMDM project.
- iii. The Consortium members shall meet under the auspices of the CBG Study Programme Working Group (SPWG) to review the further steps, outlined below.
- iv. A brief report discussing the outcomes of the EMDM project will be disseminated to the CBG partners.

June-August 2024:

- i. Members of the Consortium shall continue the development of the study courses and the broader curriculum of the EMPATRI study programme.
- ii. Pending the agreement of all the members of the Consortium, the Study Programme Council and the Board of Directors for the EMPATRI study programme shall be established as discussed in the MoU and its annexes.
- iii. Initial preparation of the Erasmus Mundis Joint Masters (EMJM) project proposal, including the development of the schedule for the delivery of all required documentation shall be undertaken.

¹ <https://indico.cern.ch/category/10023/>.

² <https://www.baltasam.org/>.

³ https://www.eacea.ec.europa.eu/index_en.

- iv. Following the receipt of feedback from the EACEA, the Consortium shall meet to discuss the received evaluation and, if applicable, comments and suggestions made.

September-October 2024:

- i. Assuming positive feedback from EACEA, the Consortium shall organise regular bi-weekly meetings discussing the preparation of the EMJM project proposal and evaluating its progress. Such meetings regular meetings shall continue during the process until the successful implementation of the EMPATRI study programme.
- ii. A report outlining the planned EMPATRI master's study programme to be discussed and/or presented at the European Committee for Future Accelerators (ECFA)⁴ November plenary meeting at CERN will be prepared by the Consortium.
- iii. Industry partners shall be officially contacted and involved in the final preparation for the study programme curriculum and the EMJM project proposal.
- iv. With the assistance of BA, the respective policy making bodies of the three Baltic states shall be consulted on the need of the availability of the legal framework for the award of a single joint diploma for the graduates of the planned EMPATRI study programme.
- v. The documentation delivered during the EMDM project shall be reformatted to allow for the initiation of the licensing procedures, where applicable, of EMPATRI in 2025.

November-December 2024:

- i. The first complete EMJM project proposal draft shall be prepared and discussed within the CBG SPWG meeting and circulated for comments to other CBG partners. The opinion and comments of ECFA shall also be sought at this point.
- ii. The visual identity of the EMPATRI study programme shall be delivered by the coordinating partner of the Consortium (RTU).

January-February 2025:

- i. 2nd and 3rd round of comments for the EMPATRI EMJM project proposal shall be collated and implemented.
- ii. The final round, replacing the placeholder visual material with the developed EMPATRI visual identity will be discussed within the CBG SPWG, following which the project proposal shall be submitted to the EACEA.

March-September 2025:

- i. Continued development of the curriculum and all the mechanisms required for the commencement of the programme in September 2026, pending successful outcome of the EMJM project bid.
- ii. Initiation of the licensing procedures, if applicable, of the EMPATRI study programme, which may be initiated even before the outcome of the EMJM project call.
- iii. The delivery of the legal framework to allow for the award of a single joint diploma for the graduates of the proposed EMPATRI study programme is achieved. The diploma sample

⁴ <https://ecfa.web.cern.ch/>.

is approved by all members of the Consortium and included in the licensing documentation, where applicable.

September-December 2025:

- i. Assuming successful bid for the EMJM funding, the EMPATRI website shall be delivered and the programme prepared for an advertisement drive to be undertaken in late 2025 or early 2026.

January-May 2026:

- i. Final requirements for the implementation of the EMPATRI programme shall be undertaken.
- ii. The programme is fully licensed for operation, if/where applicable.
- iii. The first cohort of applicants shall be evaluated, and acceptance letters sent.

June-August 2026:

- i. Preparation for the commencement of the studies in September 2026, including assistance for the overseas students with visa acquisition procedures, if applicable, and sourcing appropriate accommodation, if the dormitory availability is insufficient.

September 2026:

- i. Commencement of the EMPATRI study programme!