

December 18, 2018

Addendum

to

Synergies between a U.S.-based Electron-Ion Collider and the European research in Particle Physics

Interested community

The Electron-Ion Collider User Group (EICUG, website <http://www.eicug.org/>) was formed on Jun. 15th, 2016, when its Charter was officially approved by the community. At the time of submission of this document (December 18, 2018), it consists of 837 members from 177 institutions of 30 countries in all world regions. Most of the members (58%) are experimentalists, the remaining are working on theory (20%) or refer to experts in accelerator physics (17%) or other skills (5%).

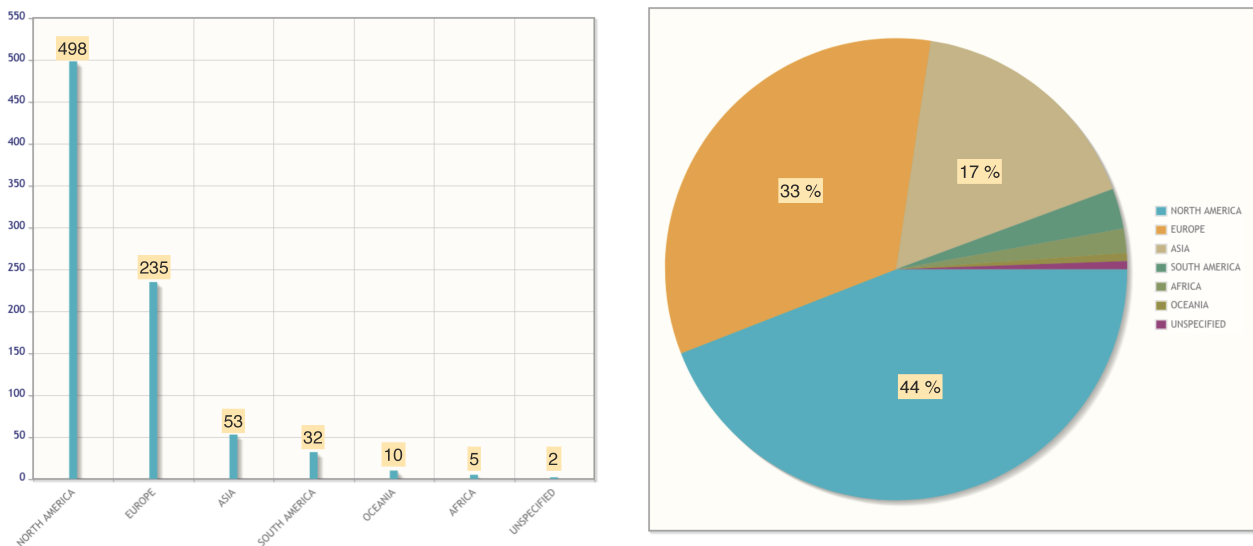


Figure 1: Left: Breakdown of the EICUG population by region. Right: Participating institutions by region.

There is a large European involvement in the EICUG. At present, there are 237 scientists from 59 European institutions ¹, which make up 33% of all participating institutions (see Fig. 1). The ratio

¹Following the EICUG division into regions, we include in the European count the Russian Federation (CERN observer status) and Israel (CERN member state), as well as Armenia.

between European scientists working on theory and on experiments is slightly larger than the one for the whole EICUG: 28.5% vs. 68.5%, respectively. The remaining 3% fraction consists of accelerator or engineering experts. In Fig. 2, we illustrate each country's involvement and highlight the European ones. At present, the largest group in Europe comes from Italy with 86 members from 15 institutions, which is also the second largest group, following the U.S.

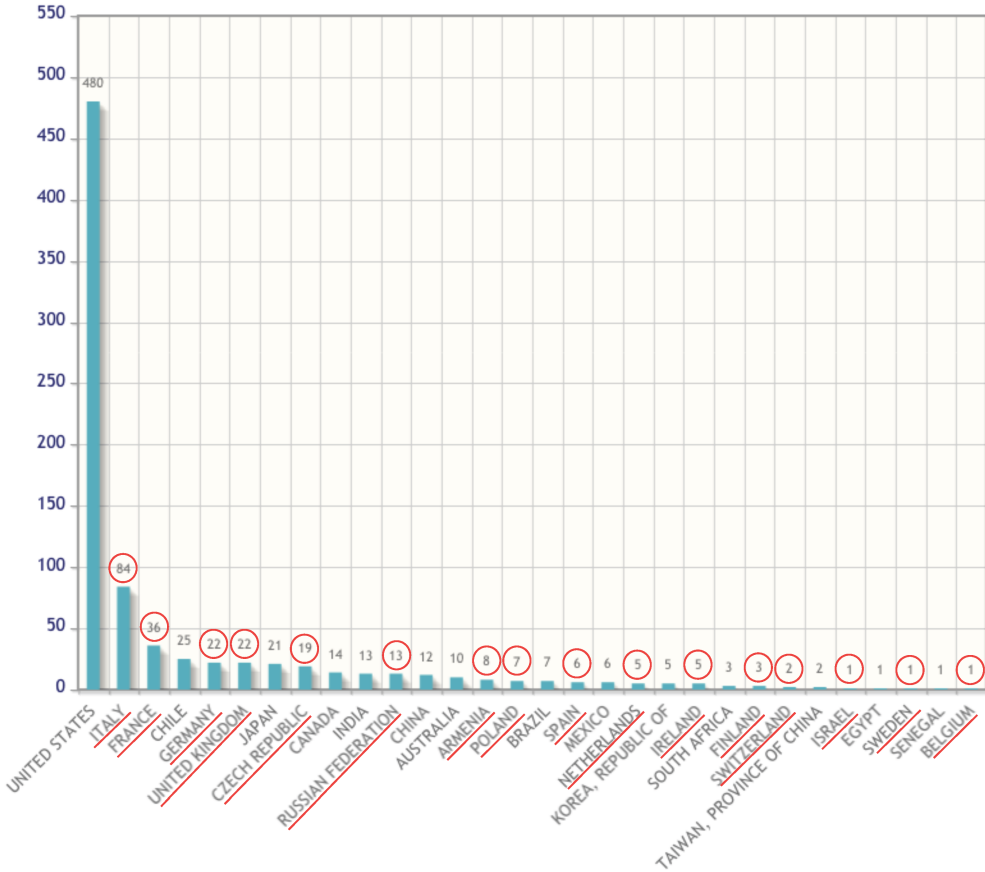


Figure 2: EICUG population broken down in countries. The European contribution is highlighted.

According to the Charter, the representatives of each institution participating in the EICUG form the Institutional Board (IB), with currently 177 members. The regular business of the EICUG is organized and directed by the Steering Committee, which is formed by a Chair and a Vice-Chair, by the IB Chair, by the representatives of Brookhaven National Laboratory and Jefferson Lab, by the representative of European institutions in the IB, by an international representative of institutions that are outside the U.S. and have no regional representative, and by three members elected by the EICUG community (of which, currently, one is European).