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## InnovaXN : a new PhD programme at ILL and ESRF

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InnovaXN, the Doctoral programme for innovators with X-rays and neutrons, is an innovative, new, doctoral training programme that provides an exceptional training opportunity for 40 students. Focussing on cutting-edge research projects of industrial relevance, the students will be immersed in the thriving, international, research environment of the European Synchrotron Radiation Facility (ESRF, [www.esrf.eu](http://www.esrf.eu)), Europe's flagship synchrotron-based light source, and the Institut Laue Langevin (ILL, [www.ill.eu](http://www.ill.eu)), the world's most intense continuous source of neutrons together with dynamic industrial partners for the research topics. These two facilities are arguably the leading facilities of their kind in the world. Of the seven principles that define an innovative Doctoral Programme, four are highly developed by the facilities - research excellence, attractive institutional environment, interdisciplinary research and international networking - while two more will be significantly enhanced - exposure to industry and transferable skills. Innovation for European industry is the central theme of the programme.

Direct, proprietary use of beam time at ESRF and ILL does not exceed 1% of overall capacity. It is a strategic goal of our facilities to develop direct and indirect use by industry, based on the added value of the combination of neutrons and X-rays, therefore enhancing our contribution to the European innovation-driven economy. The InnovaXN programme will be a crucial component in catalysing this development and providing highly-trained early stage researchers to work at the interface with and in European Industry.

InnovaXN is a five-year programme. Recruitment of the 40 PhD students will be achieved through two recruitment calls: February 2020 and February 2021. InnovaXN PhD projects have to be built in cooperation with ILL and ESRF scientists.

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