

Horizon 2020 project **Expanding Potential in Particle and Radiation Detectors, Sensors and Electronics in Croatia**

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Spreading Excellence and Widening Participation (SEWP) is part of the Horizon 2020 program dedicated to improve research and innovation capacities and capabilities of low-performing, in terms of research excellence, Member States and Associated Countries. SEWP includes ERA Chairs actions, aimed to bring outstanding researchers to research organisations in those low performing countries that have high potential for research excellence to help them attract, maintain and increase high quality human resources and implement the structural changes necessary to achieve excellence on a sustainable basis.

The Division of Experimental Physics of RBI runs ERA Chair project Expanding Potential in Particle and Radiation Detectors, Sensors and Electronics in Croatia (PaRaDeSEC) with objective to establish at RBI Center for Detectors, Sensors and Electronics (CDSE), independent organizational unit focused on semiconductor radiation detectors and related data acquisition electronics. The PaRaDeSEC project provides funding for the required top staff and partially for required equipment which has been also acquired by funding of the European Structural and Investment Funds projects approved after the successful application on SEWP call. The PaRaDeSEC project consolidates all available resources of RBI, human and hardware, for all activities related to the development, testing and construction of detectors, sensors, and electronics. The focus concerns the activities of the nuclear, particle, and astroparticle groups and related interdisciplinary researchers. The PaRaDeSEC project also aims to enhance capacities of RBI for multidisciplinary and interdisciplinary applications and technology transfer related to the development, testing and construction of detectors, sensors, electronics and related instrumentation. The project objective is also to contribute to the realization of the Croatian smart specialisation strategies, as well as to facilitate structural changes at RBI with aim to implement ERA priorities and create working environment as similar as possible to the one at the best performing European research institutions.