



ENVRI Cluster – a community-driven platform of European environmental research infrastructures for providing common solution for science and society

Sanna Sorvari (1), Werner Kutsch (2), Paolo Laj (3), Ari Asmi (4), and Magdalena Brus (4)

(1) Finnish Meteorological Institute, Helsinki, Finland (sanna.sorvari@fmi.fi), (2) ICOS ERIC, Helsinki, Finland (werner.kutsch@icos-ri.eu), (3) Laboratoire de Glaciologie et Géophysique de l'Environnement, CNRS-Université Grenoble-Alpes, Grenoble, France (laj@lgge.obs.ujf-grenoble.fr), (4) University of Helsinki, Helsinki, Finland

European long-term environmental research infrastructures (often referred as ESFRI RIs) are the core facilities for providing services for scientists in their quest for understanding and predicting the complex Earth system and its functioning that requires long-term efforts to identify environmental changes (trends, thresholds and resilience, interactions and feedbacks). Many of the research infrastructures originally have been developed to respond to the needs of their specific research communities, however, it is clear that strong collaboration among research infrastructures is needed to serve the trans-boundary research requires exploring scientific questions at the intersection of different scientific fields, conducting joint research projects and developing concepts, devices, and methods that can be used to integrate knowledge. European Environmental research infrastructures have already been successfully worked together for many years and have established a cluster - ENVRI cluster – for their collaborative work. ENVRI cluster act as a collaborative platform where the RIs can jointly agree on the common solutions for their operations, draft strategies and policies and share best practices and knowledge. Supporting project for the ENVRI cluster, ENVRIplus project, brings together 21 European research infrastructures and infrastructure networks to work on joint technical solutions, data interoperability, access management, training, strategies and dissemination efforts. ENVRI cluster act as one stop shop for multidisciplinary RI users, other collaborative initiatives, projects and programmes and coordinates and implement jointly agreed RI strategies.