

ACTRIS NEXT

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ACTRIS (Aerosol, Clouds, and Trace Gases Research Infrastructure) is the leading pan-European Research Infrastructure (RI) dedicated to the observation and understanding of short-lived atmospheric constituents and their interactions. ACTRIS provides open access to high-quality data, state-of-the-art facilities, and extensive portfolio of tailored services, enabling cutting-edge atmospheric and climate research and development of sustainable solutions to environmental challenges such as climate change, poor air quality and long-range transport of pollutants. ACTRIS integrates several atmospheric in-situ and remote sensing science communities in Europe into one coherent RI, making ACTRIS the biggest atmospheric RI in size e.g. in terms of the variability of services and number of variables provided.

ACTRIS provides unique, long-term, continuous and quality assured atmospheric measurements facilitating the impact assessment of climate change and air pollution mitigation actions. ACTRIS NEXT is crucial to ACTRIS in ensuring its international leadership in the atmospheric science via enhanced interoperability, expanded membership, and active participation in global observation systems.

ACTRIS NEXT consolidates and expands ACTRIS capacity to address societal challenges and adaptability to emerging needs, while ensuring long-term sustainability, agile operational efficiency and pan-European relevance. ACTRIS NEXT will enhance Europe's ability to respond to critical societal challenges in the areas of human health and well-being, environmental risk resilience and renewable Energy production and energy transition via development and demonstration of new services co-designed with end-users.