

EGU25-15633, updated on 20 May 2025
<https://doi.org/10.5194/egusphere-egu25-15633>
EGU General Assembly 2025
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ATMO-ACCESS: Advancing Atmospheric Research with Integrated cross-RI Virtual Services

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ATMO-ACCESS is a research infrastructure pilot project funded under the Horizon 2020 program (2021–2025) that addresses the needs of distributed atmospheric research infrastructures (RIs), including ICOS ERIC (Integrated Carbon Observing System), ACTRIS ERIC (Aerosol, Clouds, and Trace Gases Research Infrastructure), and IAGOS (In-flight Global Observing System). The goal of ATMO-ACCESS is to develop sustainable solutions for access to distributed atmospheric research facilities. Specific activities are directed to provide virtual, physical, remote and hybrid access to users world-wide.

The project has notably developed innovative online services, leveraging the expertise of these three infrastructures to provide virtual access to advanced digital resources. These services include data archiving, integrated data products, analysis tools, and online training resources, facilitating the integration of several infrastructures.

These initiatives strengthen the ability of scientific communities and stakeholders to effectively exploit the data and tools available to meet the challenges associated with the study of climate, air quality and the atmosphere.