



Deliverable 1.1: Initial version of DMP of data collected within CARGO-ACT

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1. The CARGO-ACT project

Aerosol, clouds and trace gases are short-lived atmospheric constituents, with residence times in the atmosphere ranging from seconds or minutes to a few weeks. Some of the short-lived atmospheric constituents are also climate forcers. From the recent 6th IPCC report on the physical basis of climate change, the climate feedbacks induced by short-lived climate forcers (SLCFs) are assessed as having a significant cooling effect but with low confidence. The same species are responsible for approximately 8 million premature deaths worldwide (Lancet). Mechanisms by which SLCFs are affecting climate are much more complex than for greenhouse gases and require the definition of more than 20 essential climate variables (Global Climate Observing System, IP report 2021).

The overarching goal of CARGO-ACT is to deliver a clear roadmap for sustainable global cooperation between key organisations in Europe and in the United States to provide all users, in the scientific community and beyond, with the best possible services for accessing and using information from monitoring climate- and air quality-relevant properties of aerosol, cloud and trace gases in the atmosphere.

2. The Argos Data Management Plan Tool

ARGOS is an online tool in support of automated processes to creating, managing, sharing and linking Data Management Plans (DMPs) with research artifacts they correspond to. It is the joint effort of [OpenAIRE](#) and [EUDAT](#), both EU funded entities, to deliver an open platform for Data Management Planning that addresses [FAIR and Open best practices](#) and assumes no barriers for its use and adoption. It does so by applying common standards for machine-actionable DMPs as defined by the global research data community of RDA and by communicating and consulting with researchers, research communities and funders to better reflect on their needs.

ARGOS provides a flexible environment and an easy interface for users to navigate and use.

3. The CARGO-ACT Data Management Plan

The CARGO-ACT DMP is publicly accessible by following this link:

<https://argos.openaire.eu/explore-plans/publicOverview/2e32b0ce-f55f-4160-93ed-538d4631c5c6>

A screenshot of the landing page for this link is shown in Fig. 1. The full DMP is accessed via clicking on the EXPORT button and choosing the required document format (current options include PDF, Word, XML and

JSON). As the DMP is updated during the project, newer versions will have their own individual link but will also be accessible via this link through the versions drop-down box.

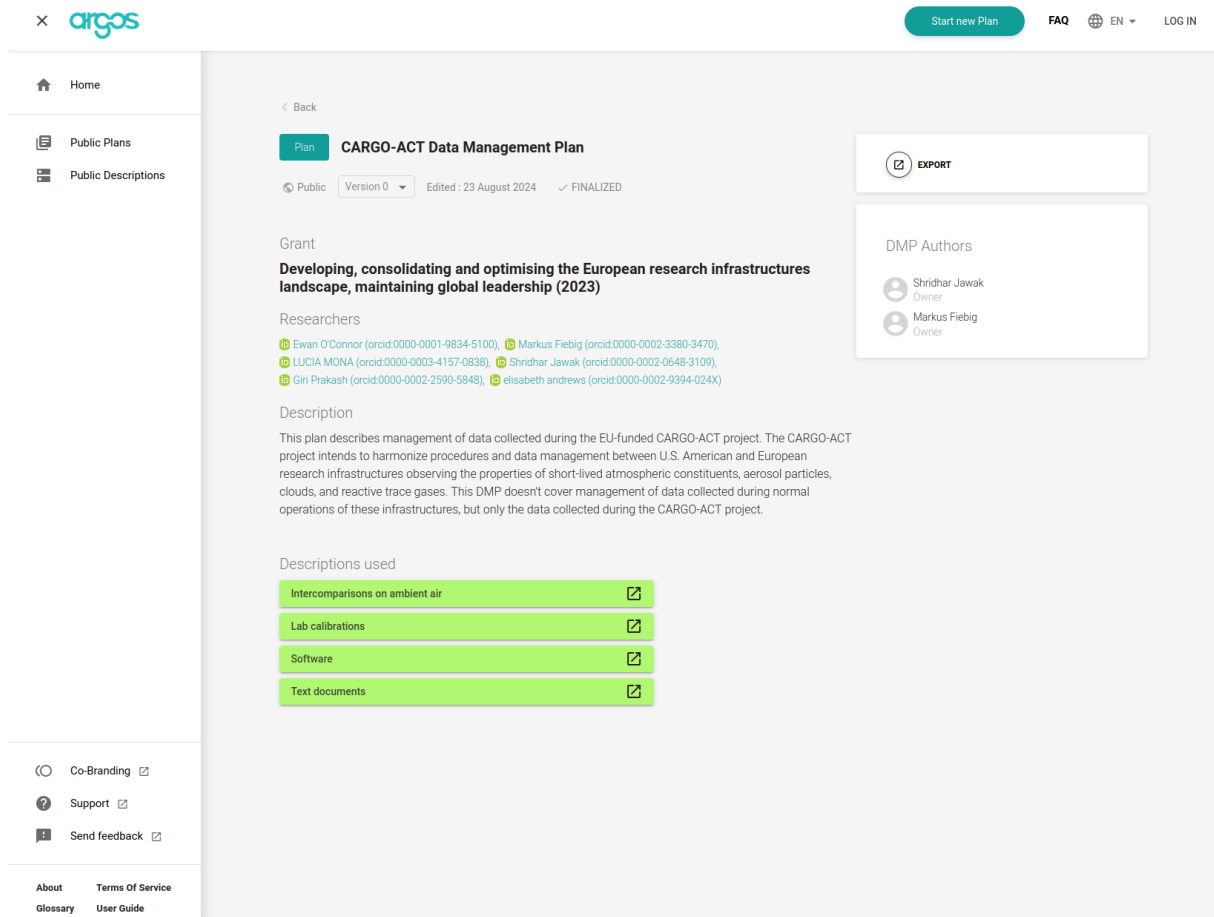


Figure 1: Landing page for the CARGO-ACT Data Management Plan on the OpenAIRE website. The export button for the plan is in the uppermost white box on the right-hand side of the page.