ACTRIS Data Management Plan

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Approved: 3rd ACTRIS ERIC General Assembly

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ACTRIS Data Management Plan

This section documents the main elements of the ACTRIS Data Management Plan.

The ACTRIS Data Management Plan is made in a human and machine-readable form using GitHub allowing full traceability of all changes. The structure of the Data Management Plan is following the template from "The Digital Curation Centre" ensuring that the Data Management Plan complies with the FAIR principles, and structured in the recommended way by EU, answering to the questions raised in the "Open Research Data Pilot In Horizon 2020" (H2020 recommendations*). First version was ready and presented at ACTRIS-2 GA in Helsinki 2019.

Link to full Data management plan is here.

Contents

Concept, mission and description of the ACTRIS Data Centre

These are the main sections of the first part pf the Data management plan describing the concept, mission and description of the ACTRIS Data Centre

Data Management plan for ACTRIS - Aerosol, Clouds and Trace Gases Research InfraStructure

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Introduction

ACTRIS data and ACTRIS data levels

Data Summary of the ACTRIS data centre

Principles for data management within ACTRIS Data Centre

This is the main section for the data management of the ACTRIS Data Centre with detailed information for each Data Centre Unit.

With direct links included here

Data Management at the ACTRIS Data Centre

Information on resources, data security and ethical aspects

This part of the Data Management Plan contains 3 sections. One section providing brief information on where to find more information on resources, one section on data security and one on ethical aspects.

- 5. Allocation of resources
- 6. Data security
    - 6.1 Archiving and preservation of In-Situ data
    - 6.2 Archiving and preservation of ARES data
    - 6.3 Archiving and preservation of CLU data
    - 6.4 Archiving and preservation of GRES data
    - 6.5 Archiving and preservation of ASC data
    - 6.6 Archiving and preservation of DVAS metadata
- 7. Ethical aspects

With direct links included here

Allocation of resources

Data security

Ethical aspects

Appendix with variables and workflows

This section includes a list of appendixes with variables and workflows.

The variable list is expected to be slightly updated in relation to the publication ACTRIS reference publication accepted in BAMS April 2024.

- 8. Appendix
  - Appendix 1: List of ACTRIS variables from observational platforms and associated recommended methodology
  - Appendix 2: List of ACTRIS level 3 data products
  - Appendix 3: ACTRIS In situ data centre unit (In-Situ) data life cycle
  - Appendix 4: ACTRIS Aerosol remote sensing data centre unit (ARES) data life cycle and workflow diagram
  - Appendix 5: ACTRIS Cloud remote sensing data centre unit (CLU) data life cycle and workflow diagram
  - Appendix 6: ACTRIS trace gases remote sensing data centre unit (GRES) data life cycle and workflow diagram
  - Appendix 7: ACTRIS Atmospheric simulation chamber data centre unit (ASC) data life cycle and workflow diagram
  - Appendix 8: Data lifecycle and workflow for DVAS Data Centre Unit
  - Appendix 9: Format and external data sources for level 3 variables
  - Appendix 10: ReOBS workflow diagram
  - Appendix 11: Satellite data subsets workflow diagram
  - Appendix 12: Combined analysis of GB lidar and satellite data workflow diagram

With direct link here Appendix