

NCAR/EOL Data Management Services for WINTRE-MIX 2022

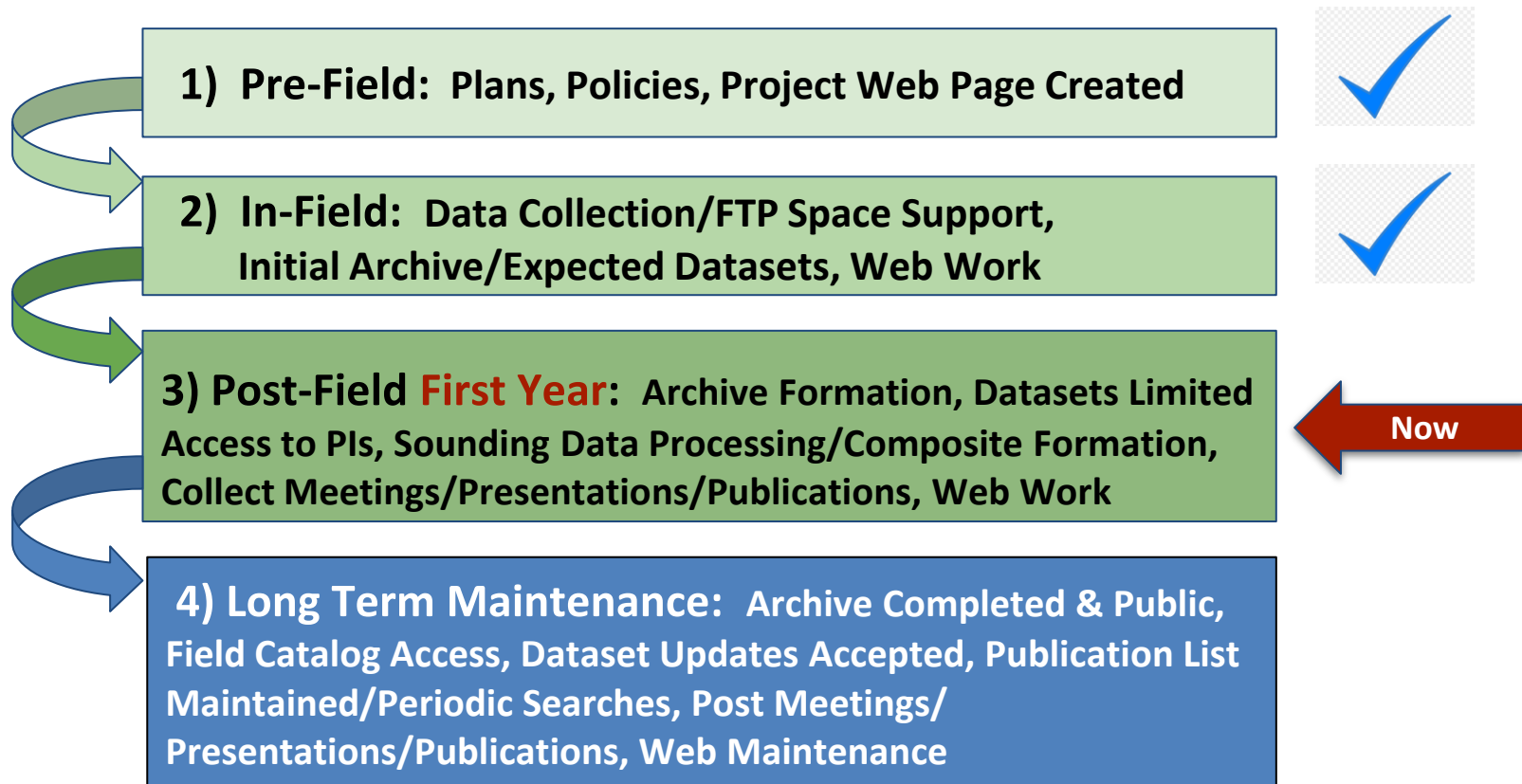
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WINTRE-MIX Data Management Phases

Where are we now?




WINTRE-MIX Project Page

https://www.eol.ucar.edu/field_projects/wintre-mix




NCAR
UCAR


Earth Observing Laboratory

NCAR is sponsored by
National Science Foundation

Search




February 1, 2022 to March 15, 2022

Project Location:
Northern New York and Southern Quebec, with a focus on the Saint Lawrence River Valley and Lake Champlain Valley

What's New?:

- [WINTRE-MIX Meeting - 13 January 2023](#) - SEEC, CU East campus, Boulder, CO
- [WINTRE-MIX Meeting - 14 June 2022](#)
- [WINTRE-MIX COVID Safety Protocols & Winter Travel and Operations Safety Guidelines Now Online](#)
- [WINTRE-MIX Planning Meeting](#) - 13/14 December 2021 - SUNY Albany
- [ADVANCEGeo training - Improving workplace climate: empowering individuals to become active bystanders](#) - 14 Dec 2021
- [Northeast Regional Operational Workshop 22 \(NROW22\) Presentation](#) - 9 November 2021 - Albany, NY
- [Internal Winter Weather Workshop Presentation](#) - 5 November 2021 - NWS Burlington, Vermont (BVT)

Project Description:



Overview

DATA ACCESS

Data Access
Field Catalog

PUBLICATIONS

WINTRE-MIX Publications

DATA DOCUMENTATION

WINTRE-MIX Data Policy
WINTRE-MIX Data Management Plan
Dataset Documentation ("Readme")
Requirements
DOI Guidance to Authors
WINTRE-MIX Data Submission
Instructions for EOL Archive (POST
FIELD)

MEETINGS AND
PRESENTATIONS

WINTRE-MIX Meetings and
Presentations

SAFETY & CODES OF CONDUCT

WINTRE-MIX COVID Safety Protocols
WINTRE-MIX Winter Travel and
Operations Safety Guidelines
WINTRE-MIX Code of Conduct
NSF Important Notice No. 144:
Harassment
UCAR/NCAR Codes of Conduct
ADVANCEGeo Partnership

EDUCATION AND OUTREACH

Data Archive/
Field Catalog

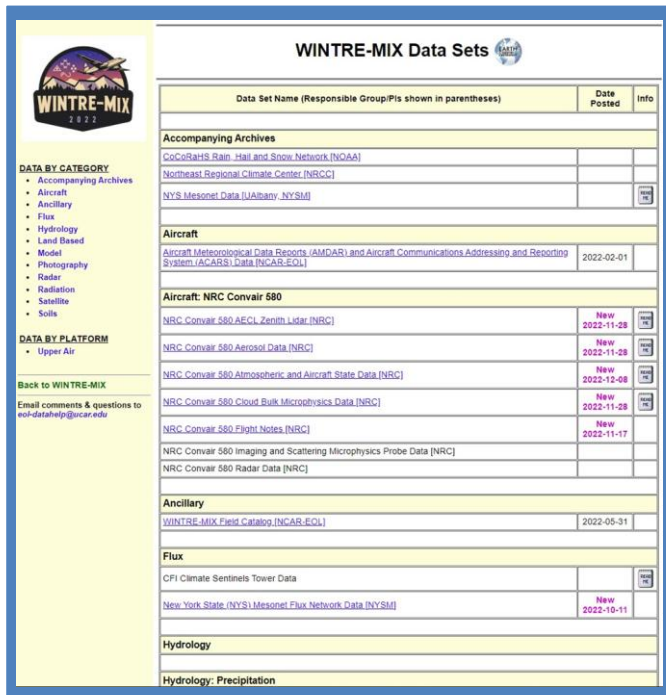
Publications
Online Submissions

Data Submission
Instructions/Read
me Requirements

Meetings/
Presentations

WINTRE-MIX Data Management

How Do we get to Long Term Maintenance?



The screenshot shows the WINTRE-MIX Data Sets website. On the left is a sidebar with a 'WINTRE-MIX 2022' logo and navigation links: 'DATA BY CATEGORY' (Accompanying Archives, Aircraft, Ancillary, Flux, Hydrology, Land Based, Model, Photography, Radar, Radiation, Satellite, Soils) and 'DATA BY PLATFORM' (Upper Air). Below this is a 'Back to WINTRE-MIX' link and an email address 'eol-datahelp@ncar.edu'. The main content area is titled 'WINTRE-MIX Data Sets' and features a table with columns 'Data Set Name (Responsible Group/PIs shown in parentheses)', 'Date Posted', and 'Info'. The table lists various data sets under categories like 'Accompanying Archives', 'Aircraft', 'Aircraft: NRC Convair 580', 'Ancillary', 'Flux', and 'Hydrology'. Some entries are marked as 'New' with a date.

1. Complete the Data Archive

- Archive Statistics as of 6 Jan 2023:
 - **88% Complete;**
 - **11 Missing/Expected Datasets**
- Need Final Review of Data Archive List plus Dates for Expected Submission.
 - **Datasets can be added or removed.**
 - **Goal: Complete Data Archive by 17 Mar 2023**

16 September 2022	Final QC'd Data due to NCAR/EOL WINTRE-MIX Data Archive
16 March 2023	Data restricted to WINTRE-MIX PIs/Participants use
17 March 2023	Data becomes Public Domain



WINTRE-MIX Data Management

How Do we get to Long Term Maintenance?

2. Update Publication Reference List

- Includes **links** to Publications (Final/Submitted/In Press), Conference Proceedings (e.g., AGU/AMS), Posters, Reports, Books/Chapters, Theses, etc.
- **Easy Submission online: Link at Page Top. If too many to submit manually, send list to cully@ucar.edu.**
- NCAR/EOL will also perform periodic Publication Searches to maintain list.

WINTRE-MIX Data Management

How Do we get to Long Term Maintenance?

3. Add Meetings & Presentations

- **Wealth of Information in Presentations to enhance Project Documentation:**
 - **Project Goals. Pls & Participants. Data Collection. Issues encountered. Maps/Site & Instrument Locations.**
 - **Need Public Version. Please send copy of Today's presentation to cully@ucar.edu.**

The screenshot shows the WINTRE-MIX 2022 website. At the top, it features the NCAR UCAR and EOL (Earth Observing Laboratory) logos, along with the text 'NCAR is sponsored by National Science Foundation'. A search bar is located on the right. The main content area includes a 'WINTRE-MIX Meetings and Presentations' section with a list of meetings for 2023, including the 'WINTRE-MIX Meeting - 13 January 2023'. A large red arrow points from this section to the 'MEETINGS AND PRESENTATIONS' section on the right sidebar. This sidebar also contains sections for 'DATA ACCESS', 'PUBLICATIONS', and 'DATA DOCUMENTATION'. Below the sidebar, there is a 'Project goal' section with a diagram of multi-scale processes (Synoptic, Regional, Storm tracks, Mesoscale, Microscale) influencing near-freezing precipitation. Further down, there is a 'CFI Sentinels Datasets' section dated 14th June 2022, listing team members: Dustin Fraser, Juliann Wray, Yeechian Low, Margaux Leigh Thompson, Julie Theriault, and John Gyakum. At the bottom, there is a section for the 'NRC Convair-580 Research Aircraft' with images of the aircraft and its instruments, and a list of its capabilities: Crew: 2 pilots + 10 project personnel; Endurance: 4 - 5 hours; Range: ~1000 km; Vertical ceiling: 23,000 ft (7000 m); Research payload: 2000 kg; Min speed 150 knots. It also mentions the aircraft is jointly instrumented by NRC Canada and Environment and Climate Change Canada.



Summary of Long Term WINTRE-MIX Data Management & Required Actions

PI/Participant Actions:

- Review current [WINTRE-MIX 2022 Archive Dataset List](#) and provide updates.
- [Submit Missing Datasets/Metadata to NCAR/EOL Data Archive](#) by **17 March 2023**.
- [Submit links to Publications, Conference Proceedings, etc.](#)
- Please send Copy of Today's Presentations for posting on the WINTRE-MIX [Meetings](#) Page.

Submissions (other than data) can be made directly to cully@ucar.edu .

NCAR/EOL Long Term Data Management:

- Provide Long Term Access to WINTRE-MIX [Data Archive](#) and [Field Catalog](#).
- Accept Data & Metadata Updates from Data Source. Perform DOI Maintenance.
- Update Upper Air Sounding Data High Resolution/5mb Composites - Funding dependent.
- Perform Periodic Publication Web Searches.
- Maintain WINTRE-MIX web pages at NCAR/EOL.
- Maintain Mailing List (wintre-mix@ucar.edu) - Generally in place for years. May be discontinued if not active.