



Theme Implementation Plan for Climate and Weather Theme

National Oceanic and Atmospheric
Administration (NOAA)

Federal Geographic Data Committee (FGDC)

October 31, 2018



Climate and Weather Theme FY 2018 Implementation Plan Report



Overview

As part of meeting the requirements under [OMB Circular A-16 Supplemental Guidance](#) and [OMB Circular A-16 Appendix E - NGDA Data Themes, Definitions, and Lead Agencies](#) for NGDA Portfolio Management and NGDA Theme Management, NGDA Themes Leads for a Theme, in coordination with associated NGDA Dataset Managers, have developed Theme Strategic Plans and corresponding implementation plans for each Theme in the NGDA Portfolio. This report provides information on implementing the goals, objectives, and actions outlined in the Theme’s Strategic Plan (link below). The report includes information on Theme Personnel (Table 1), National Geospatial Data Asset (NGDA) Datasets associated with the Theme (Table 2), and the human and financial resources needed to manage the Theme (Table 3). Table 4 provides a status update on progress made in in the current reporting period toward meeting Theme Strategic Plan goals and objectives. Table 5 provides details on the Theme Implementation Plan.

Theme Strategic Plan

https://communities.geoplatform.gov/ngda-climate/wp-content/uploads/2018/04/Climate_Weather_Theme_Strategic_Plan_20150619.pdf

Theme Personnel

Theme personnel play a vital role in the operation and maintenance of a Theme. They are “individuals who provide interdepartmental leadership and coordination at the NGDA Theme level. They work with component NGDA Dataset Managers to develop standards and provide guidance. The NGDA Theme Lead, or designee, chairs the NGDA Theme’s Thematic Committee and manages the annual process of providing NGDA Dataset collaboration and funding recommendations to the FGDC Steering Committee for those NGDA Datasets within their NGDA Theme. Additionally, the NGDA Theme Lead reports to the Executive NGDA Theme Champion and the FGDC Coordination Group on the NGDA Theme’s activities and investments (both current and planned).” Table 1 provides a summary of current Theme Personnel followed by Table 2 that lists the NGDA Datasets that comprise the Theme.

Theme Personnel	
Theme Lead (Co-Leads):	Kari Sheets
Theme Lead Agency(ies):	NOAA
Executive Theme Champion(s):	Zachary Goldstein
Executive Champion Agency(ies):	NOAA

Table 1. Personnel Involved in Theme Management.

Climate and Weather Theme NGDA Datasets	NGDA Agency
Geostationary Operational Environmental Satellite (GOES) Imager Data	DOC-NOAA
High-Resolution Sea Surface Temperature (SST) Analysis Products	DOC-NOAA
NOAA NEXt-Generation RADar (NEXRAD) Products	DOC-NOAA
Parameter-Elevation Regressions on Independent Slopes Model (PRISM) Dataset	USDA-NRCS
Polar-Orbiting Operational Environmental Satellites (POES) Radiometer Data	DOC-NOAA

Table 2. NGDA Datasets within the Theme.

Human and Financial Resources Needed for Theme Management

The following table provides an estimate of resources needed for managing this Theme. It includes different activities, the roles that support them, as well as an estimated decimal Full Time Equivalent (FTE) and FTE grade. This estimate does not include the resources required for the agency to develop and maintain the NGDA Dataset(s) that make up the Theme to meet the agency’s core mission requirements.

Reporting Period for Human and Financial Resources¹: 9/2017 – 10/2018

Description of Theme Management Activities	Role <i>(Theme Lead, co-Theme Lead, NGDA Coordinator, other as specified)</i>	FTE ²	FTE Grade
NGDA Theme management (e.g., attend meetings, review NGDA documents, develop Theme Strategic Plans, etc.)	Kari Sheets National Weather Service	2%	GS-14

Table 3. Human and Financial Resources Needed for Theme Management.

Progress against Goals and Objectives

The following table shows the progress status made toward achieving the Theme’s Strategic Plan goals and objectives since the last reporting period. Status categories include 'Not Started' for those activities that have not gotten underway in the reporting period; 'In Progress' for those activities underway which will continue into the next year; 'Complete' for the activities finished, or 'Recurring (completed for the current reporting period).

¹ Reporting period should align with October 1 – September 30 and be submitted by October 31.

² A full-time employee was available a maximum of 1952 hours during the inclusive period of October 1 – September 30; assuming a Monday-Friday schedule with 8-hour workdays and not counting Federal Holidays. The FTE was determined by taking actual number of hours worked in support of Theme Management divided by 1952 hours, rounded to the nearest 0.01.

Summary of Goals and Objectives undertaken during FY18	Status
Goal 1: Facilitate the sharing of the Climate and Weather geospatial data by ensuring the development of the Theme’s datasets and metadata for the individual records within the datasets.	
Objective 1.1: Ensure ISO compliant metadata for 80% of the Theme’s datasets.	Recurring (Completed for FY18)
Objective 1.2: Ensure each of the Theme’s datasets returns at least 1 result in a GeoPlatform search.	Complete
Goal 2: Facilitate the registration of GOES-R data into the FGDC system as the data becomes available to the agency for release.	
Objective 2.1: Ensure as the new GOES-R image products become available as they are made publicly available through the ground readiness program.	Recurring (Completed for FY18)

Table 4. Theme Implementation Plan Progress Status.

Theme Implementation Plan

The following table provides details for achieving Theme Strategic Plan goals and objectives over the multi-year planning period. These include roles and responsibilities, specific actions, milestones, performance indicators and projected completion dates.

Goal 1: Facilitate the sharing of the Climate and Weather geospatial data by ensuring the development of the Theme’s datasets and metadata for the individual records within the datasets.				
Objective 1.1: Ensure ISO compliant metadata for 80% of the Theme’s datasets.				
Agency and/or Stakeholders Involved: NOAA, NRCS				
Anticipated Outcome: Dataset consumers will understand the scope of the data, the valid time of the data, who produces the data, and the geographic coverage of the data.				
Actions <i>(Description of discrete activities)</i>	Milestones <i>(A significant change in development with associated date)</i>	Performance Indicators <i>(A metric to assess progress of the action)</i>	Action Responsibility <i>(Agency, individuals, and/or groups leading the action)</i>	Projected Completion Date <i>(FY)</i>
1.1.1 National Weather Services is conducting a working meeting to create a plan for bringing their climate weather datasets into ISO metadata compliance.	<ul style="list-style-type: none"> - Complete a data management plan for NexRAD Data - Register operational OGC geospatial web services metadata for select NWS data sets 	<ul style="list-style-type: none"> - Data management plan submitted to NOAA data management committee - Search for the url of the web services on GeoPlatform returns results with ISO metadata 	Christina Horvat Radar Operations Center Nipa Parikh Office of Dissemination	FY17 FY17
Agency and/or Stakeholder		Activity through FY 2018		
NOAA		NWS is migrating the RADAR visualization package to a GIS-based system. ISO metadata will be part of the new system. Development activities occurred through FY18, quality control is occurring in FY19, and operational status will be achieved in FY20		

Objective 1.2: Ensure each of the Theme’s datasets returns at least 1 result in a GeoPlatform search.
Agency and/or Stakeholders Involved: NOAA, NRSC, NGDA Theme Lead and Dataset Managers
Anticipated Outcome: Dataset consumers will be able to discover the Theme’s datasets from a “one-stop” location.

Actions <i>(Description of discrete activities)</i>	Milestones <i>(A significant change in development with associated date)</i>	Performance Indicators <i>(A metric to assess progress of the action)</i>	Action Responsibility <i>(Agency, individuals, and/or groups leading the action)</i>	Projected Completion Date <i>(FY)</i>
1.2.1 As ISO compliant metadata is complete, assign the dataset owner the task of registering the dataset in GeoPlatform.	- Metadata is complete and data is registered in GeoPlatform	- Each Theme data set returns at least 1 result	FGDC Secretariat	FY17 for all but GOES and FY18 for GOES
Agency and/or Stakeholder	Activity through FY 2018			

Goal 2: Facilitate the registration of GOES-R data into the FGDC system as the data becomes available to the agency for release.				
Objective 2.1: Ensure as the new GOES-R image products become available as they are made publicly available through the ground readiness program.				
Agency and/or Stakeholders Involved: NOAA				
Anticipated Outcome: GOES-R data will be available to the largest audience in the most expedient timeframe possible.				
Actions <i>(Description of discrete activities)</i>	Milestones <i>(A significant change in development with associated date)</i>	Performance Indicators <i>(A metric to assess progress of the action)</i>	Action Responsibility <i>(Agency, individuals, and/or groups leading the action)</i>	Projected Completion Date <i>(FY)</i>
2.1.1 Work with the GOES-R ground readiness program to register the datasets in GeoPlatform as become available.	- GOES-R data is available for use	- A search for "GOES-R" returns results in GeoPlatform	NOAA Ground Readiness Program	FY18
Agency and/or Stakeholder	Activity through FY 2018			

Table 5. Theme Implementation Plan.