

Addressing User Needs through the Stakeholder Engagement Program



Satellite Needs Working Group (SNWG)

Every two years, SNWG surveys federal agencies to identify their satellite Earth observation needs. NASA-led assessment teams then collaborate to identify solutions for each expressed need. The team most recently completed the 2022 assessment and are currently preparing for the 2024 cycle.

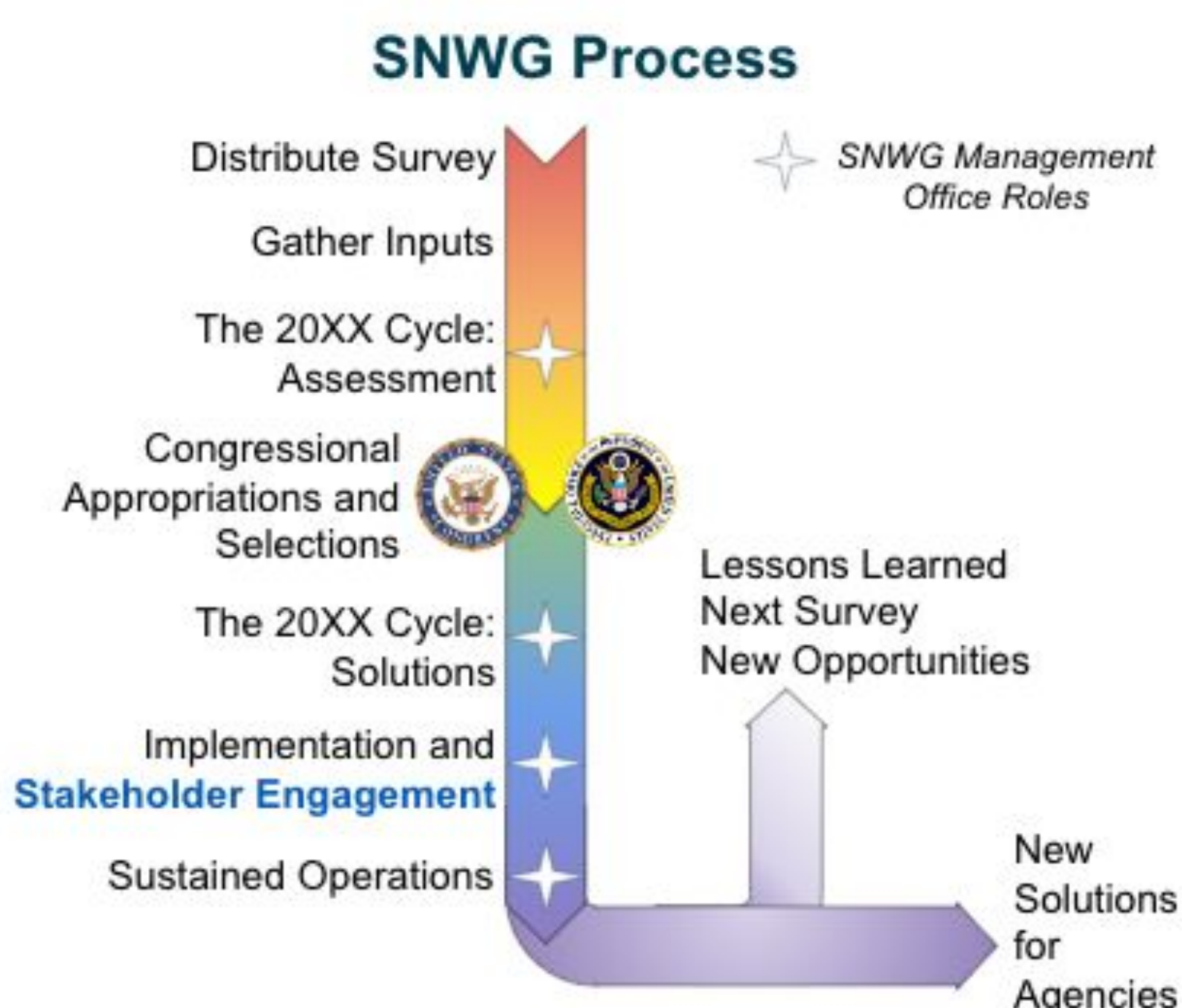


Figure 1: This timeline displays SNWG's process and identifies the stages where SEP support is involved.

Stakeholder Engagement Program (SEP)

The Stakeholder Engagement Program was established to:

- Respond to training and capacity building needs expressed by agencies during SNWG assessments
- To encourage engagement from stakeholders as SNWG solutions are developed

To support this effort, SEP has curated and developed a number of helpful resources for users while collaborating with organizations such as SPoRT and ARSET to engage with stakeholders.

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User Resources for SNWG Products

The following resources were created for stakeholders and users of SNWG products. The SNWG Management Office maintains and regularly updates the available information to ensure that content remains useful and current.

SNWG Solutions on Earthdata

- Provides an overview of all **22** solutions that have resulted from the 2016, 2018, and 2020 SNWG survey cycles. **Coming soon: 2022 solutions!**
- Content includes:
 - Background** information and **current status** of the solution
 - Thematic areas** appropriate for the data (e.g. Land Cover and Land Use)
 - Relevant links for **data access** and to learn more about the product
 - Product characteristic tables** that contain information such as satellite platforms, temporal and spatial resolution, and spectral bands

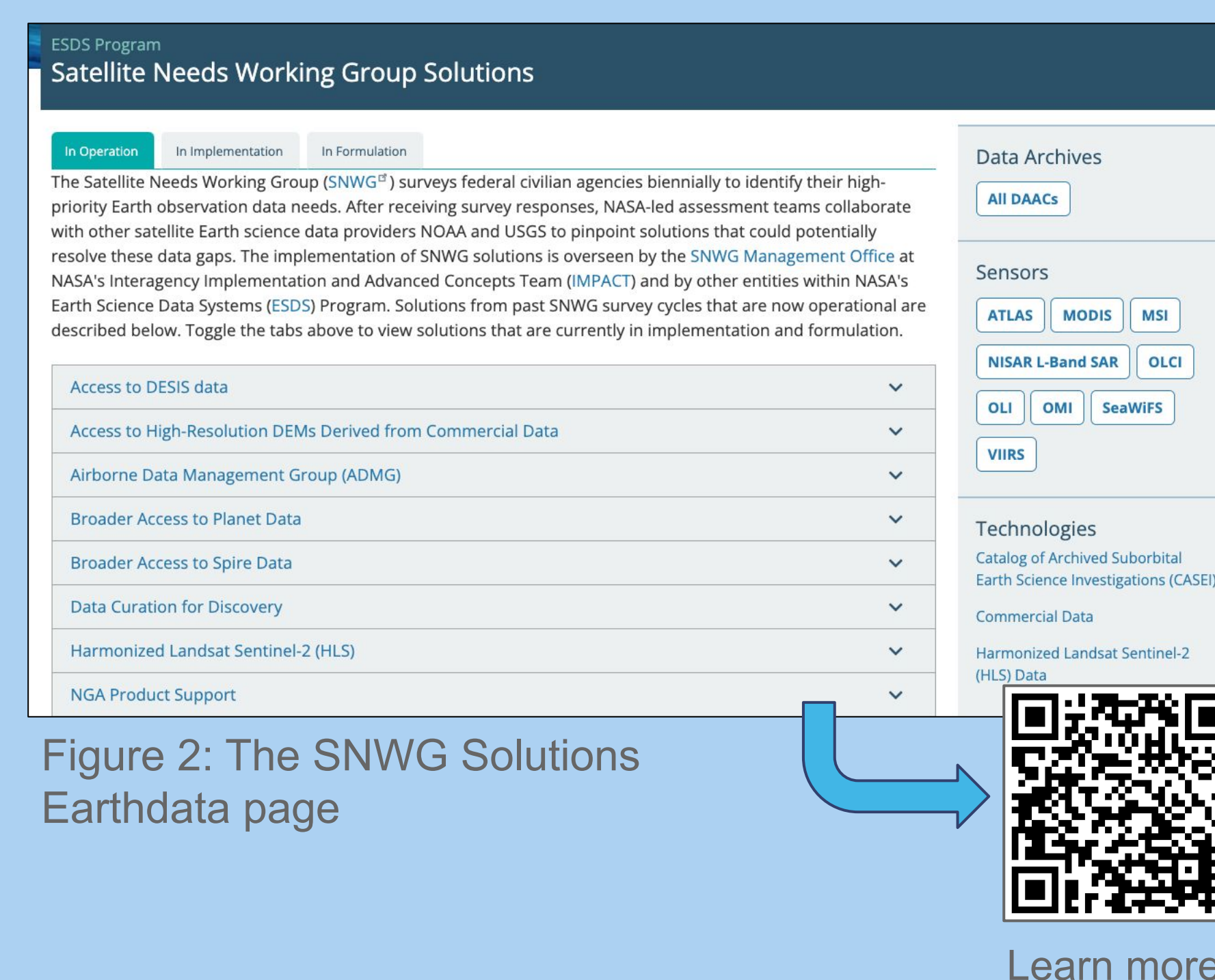


Figure 2: The SNWG Solutions Earthdata page

SEP on Earthdata

- Includes curated **training resources** for SNWG solutions, organized into the following categories to support all levels of users:
 - Fundamentals of Remote Sensing
 - Missions and Instruments
 - Data Access and Code Examples
 - Data Products and Descriptions
 - Use Case and Application Examples
- Provides upcoming **workshop** information such as registration links and scheduled date and time
 - Materials from past workshops such as recordings are also included



Figure 3: The SEP Earthdata page

SNWG Portal on Earthdata Search

- Refines data available in Earthdata Search to only SNWG-relevant products
 - As of November 2023, the portal holds **61** datasets
- Equips **enhanced search features** and **direct download** capability
- Includes dataset information such as spatial and temporal extent, DOIs, data formats, and links to relevant documentation

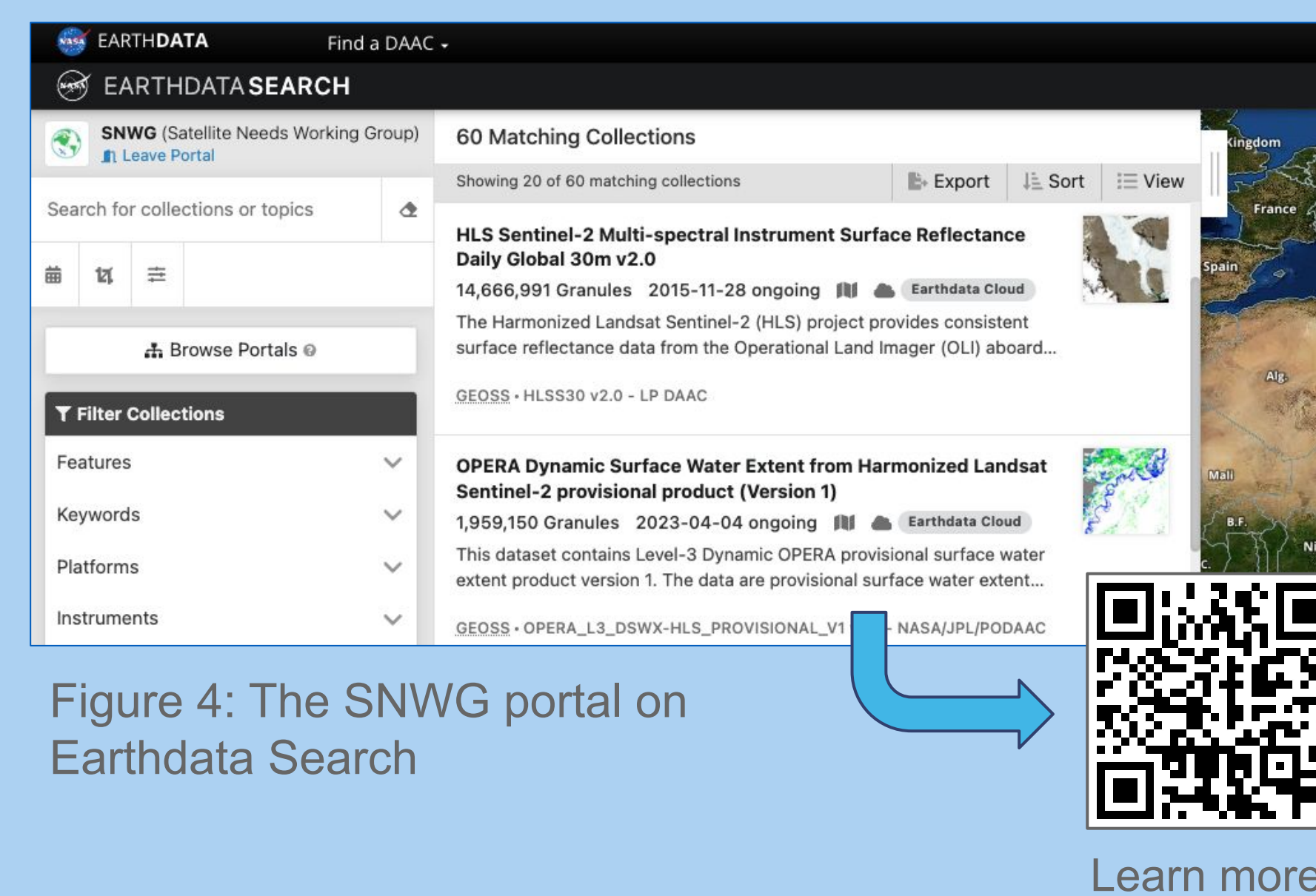


Figure 4: The SNWG portal on Earthdata Search

Collaborations

Short-term Prediction Research and Transition Center (SPoRT)

SPoRT assists with stakeholder engagement by creating a regular touchpoint between solution development teams and agency end users. These interactions inform opportunities for low level-of-effort changes resulting in more useful products for a larger group of stakeholders.

Applied Remote Sensing Training Program (ARSET)

In the fall of 2023, ARSET hosted the **Spectral Indices for Land and Aquatic Applications** workshop. SEP contributed information about the upcoming HLS-derived Vegetation Indices Suite (HLS-VIS) product and invited relevant HLS stakeholders to participate.

Future Work

- In November 2023, SEP gathered feedback on solutions from SNWG stakeholders during the Subject Matter Expert workshop. This feedback will be used to inform necessary adjustments to solutions and training.
- Following the ARSET workshop mentioned above, SEP requested feedback from attendees. Using this feedback, the team plans to create additional HLS-focused tutorials.
- Over the next few months, SEP will also be working to gather usage statistics to identify solutions where further engagement may be useful.

Acknowledgements

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