

WGISS – Working Group on Information Systems and Services Carbon Community Portal

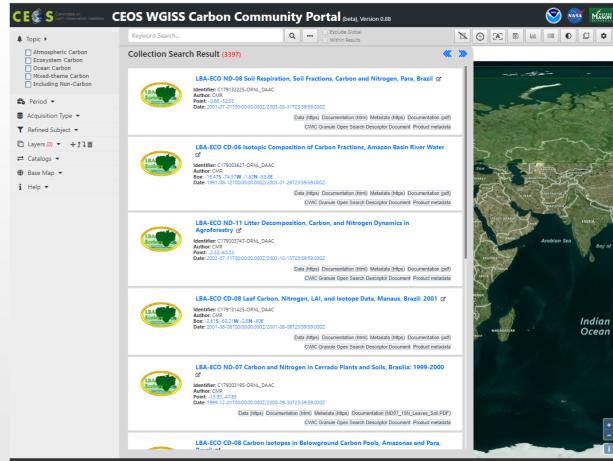


Goal: To support CEOS Carbon Science Mission by providing easy discovery of and access to carbon-related data resources in CEOS member agencies

The Objectives: 1) enable carbon community to easily find their interested data in the CEOS agency collections brokered by both CWIC and FedEO; 2) allow searching and accessing data within collections using CWIC and FedEO with keywords, spatial and/or temporal constraints; and 3) provide common discovery and access of all CWIC partner holdings targeting at the CEOS Carbon Community

Summary of progresses since WGISS'47 in May 2019:

- Refined search support by periods
- Improved search support by acquisition types
- More data format support for user-uploaded map for searching and customized clipping
- Allows searching of Essential Climate Variables (ECV)
- Release of fully developed User's Guide
- Updated release of beta version in middle July 2019



Next steps: Release of version 1 in September and tailor it to serve localized and specialized carbon projects



Summary of Contributions to CEOS Carbon Community

Science

Site Map

Contact Us

Research Programs

Internet Resources

Carbon Neutral



- Closely collaborate with CEOS Carbon Task and Global Carbon Project in the development of the portal to ensure it is useful for the community
- Collaborators are involved in
 - Define requirements
 - Design, test, evaluation
 - Use in their studies
 - Provide feedbacks for refinement and improvement
- The beta version of the portal was released to CEOS carbon community for testing, evaluation, and use in July 2019
- The portal has been highlighted in the home page of the Global Carbon Project with a live link (See the screen capture right)
- Portal to support CEOS Chair Initiative on Forest Carbon in Mekong river basin has



CEOS WGISS
Carbon Community
Portal

8th International Symposium on Non-CO2 Greenhouse Gases 12-14 June 2019

Second State of the Carbon Cycle Report (SOCCR2)



websit



Methane Budget 2016



N₂O Budget coming soon

More Highlights...

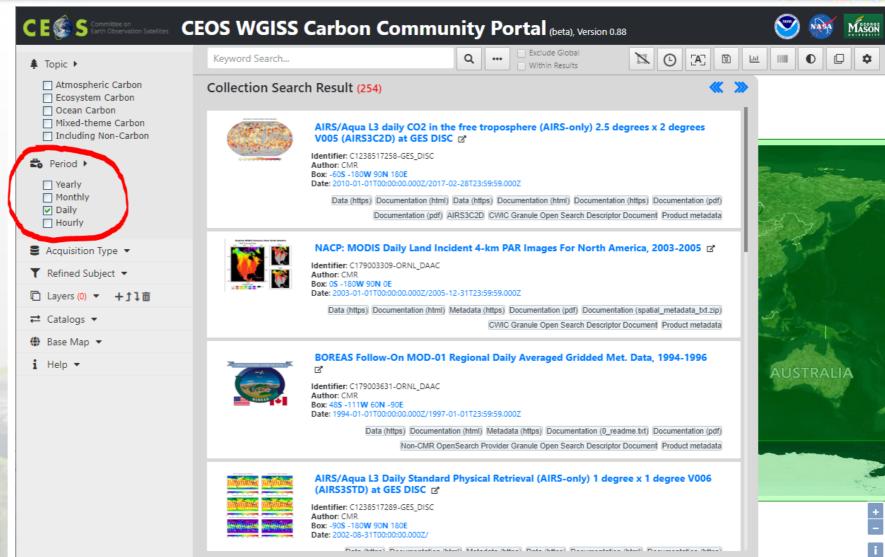


Implementation Progresssupport search with periods





- Yearly
- Monthly
- Daily
- Hourly

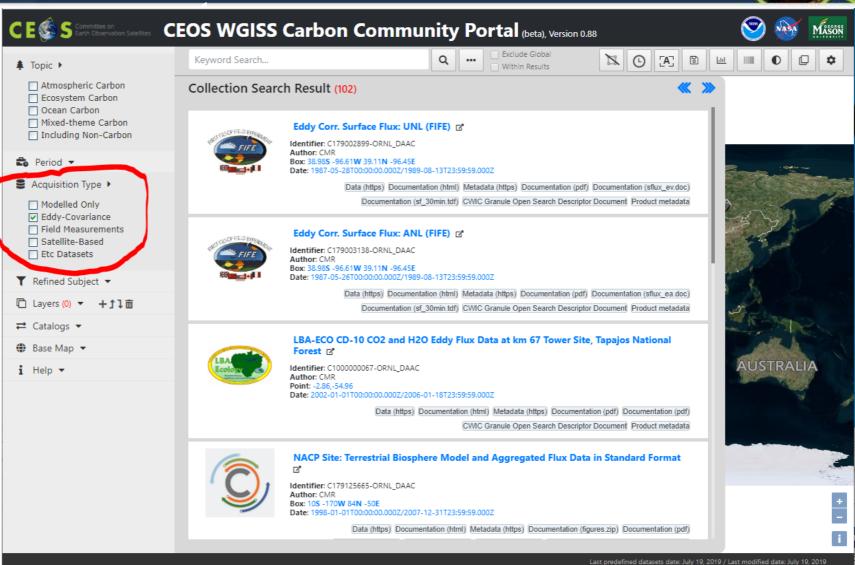




Implementation Progresssupport search with acquisition



- Acquisition types
 - Modeled only
 - Eddy-Covariance
 - Field measurements
 - Satellite-based

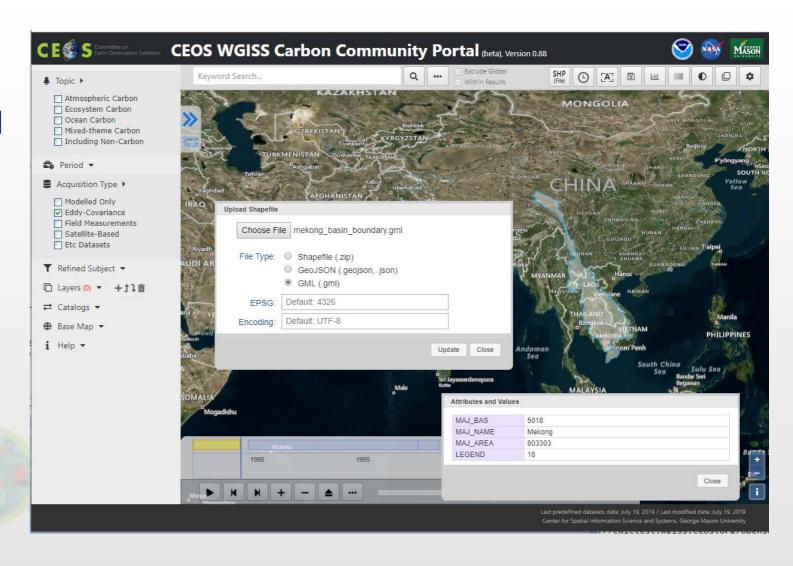




Implementation Progress - Support of more feature format



- Added GML support for User-input
 - In addition to GeoJSON and ESRI Shapefile
 - Uploaded map can be used for clipping by polygon





Implementation Progress - Release of User's Guide



- User' Guide
 - Documented
 - Released in middle June, 2019

CEOS WGISS Carbon Community Portal

User Guide

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User Guide

TEOS WGISS CARBON PORTAL DEVELOPMENT TEAM

June 3, 201

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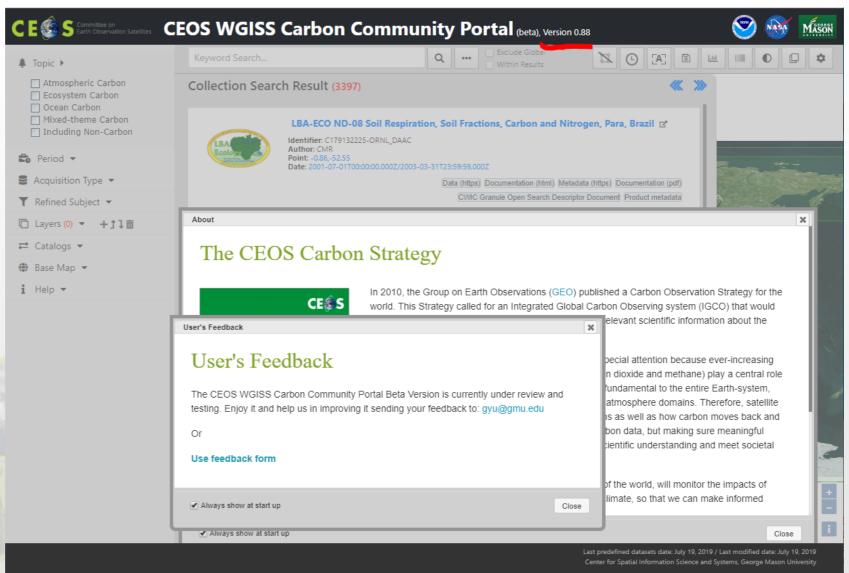




Implementation Progress — Updated release of beta version-0.88



 An updated release of beta version (v.0.88) to public on July 19, 2019





- Incorporating revision comments and new requirements from CEOS
 Carbon and Global Carbon Project into the new version of the portal
- Release Version 0.9 in September 2019
- Supporting CEOS Chair carbon initiative
 - Tailor the portal to be fit for supporting the forest carbon project at Mekong river basin
 - Specially customized portal
 - o Pre-populated products
 - o Specific datasets for Mekong
 - Collaborate with VNSC