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

- 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 been initiated.
Implementation Progress – support search with periods

- Periods
  - Yearly
  - Monthly
  - Daily
  - Hourly
Implementation Progress
– support search with acquisition

- Acquisition types
  - Modeled only
  - Eddy-Covariance
  - Field measurements
  - Satellite-based
• 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
An updated release of beta version (v.0.88) to public on July 19, 2019
Way Forward Plan

- 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
    - Pre-populated products
    - Specific datasets for Mekong
- Collaborate with VNSC