

Data Intake Processing and Verification Report

Background Information

- **Original Dataset Name:** Global wetland CH₄ emissions estimated by LPJ-EOSIM model
- **GHG Center Dataset Title:** Wetland Methane Emissions, LPJ-EOSIM Model (v2)
- **Dataset Provider:** NASA
- **Date Obtained:** April 2024
- **Location Obtained From:** N/A - direct delivery to US GHG Center S3 bucket
- **Data Location in GHG Center:** lpjeosim-wetlandch4-daygrid-v2
- **Data POC(s):** Dr. Benjamin Poulter, Dr. Colin A. Quinn, Thomas H. Colligan
- **Dataset File Type(s):** COG
- **Projection (if different from WGS84):** N/A

Data Intake Process

- https://us-ghg-center.github.io/ghgc-docs/data_workflow/lpjeosim-wetlandch4-daygrid-v2_Data_Flow.html

Confirmation of Successful Data Transfer and Unit Conversion

The Wetland Methane Emissions, LPJ-EOSIM Model v2 data was transferred by the data provider from an on premises location to a US GHG Center S3 bucket. Checksums were provided with the data to verify data integrity after delivery. After delivery, the data were translated from units of kilograms of methane per meter squared per second (kg CH₄/m²/s) to grams of methane per meter squared per day (g CH₄/m²/day) for the purpose of improved data visualization.

Confirmation of Accurate Unit Conversion:

In-Progress

Summary

- We are confident that the display of data in the GHG Center is correct
- There were no problems identified in the data
- Link to [Data Usage Notebook](#)
- Link to [US GHG Center Data Catalog overview page](#)

Report Completed on: 4/19/2024

MSFC POC for questions: [Deborah Smith](#), [Siddharth Chaudhary](#)