

Description of Additional Supplementary Files

File Name: Supplementary Data

Description:

Dataset 1: Sumatra_Kalimantan_primary_forest_cover_2001-2018_0.01deg.parquet

Description: Primary forest cover fraction for all land grid cells at 0.01 degree or 1 km resolution (837951 grid cells as rows in the dataset) in the region for each year during the 2001 through 2018 period. The columns indicate year (columns 2001 - 2018), grid cell centre coordinates (columns 'longitude', 'latitude') and peatland status (column 'peat' containing values of 0 for non-peat and 1 for peat grid cells). This dataset was assimilated from high resolution datasets of primary forest cover of the year 2000 data (Morgano et al., 2014) and forest cover loss dataset covering 2001 through 2018 (Hansen et al 2013).

Dataset 2: Sumatra_Kalimantan_fire_detections_2001-2018_0.01deg.parquet

Description: MODIS active fire detection (Giglio et al., 2016) count per year aggregated to 0.01 or 1km resolution in the region covering the 2002 through 2019 period. The columns in the dataset indicate year ('year' column), grid cell centre coordinates ('longitude', and 'latitude' columns) and active fire detection count ('active_fire_count'). See methods section in the research paper. This 0.01deg fire detections dataset shares grid points and can be matched with the above primary forest dataset

(Sumatra_Kalimantan_primary_forest_cover_2001-2018_0.01deg.parquet) for joint analysis replicating the study results. The datasets are stored in binary 'parquet' file format. To read the datasets use Apache Arrow libraries available for C, C++, C#, Go, Java, JavaScript, MATLAB, Python, R, Ruby, and Rust (see <https://arrow.apache.org/>).