

Supplementary Table S1 Targeted and related keywords list

| No | Target keyword | Similar keywords to target keyword |
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| 1 | EO | Earth observation, Earth observations |
| 2 | LULC | land use, land use and land cover; land use change; land use pattern; land use planning; land use status map, land use type; land use land-cover change; land-use change; landcover classification |
| 3 | Air Quality | air pollutant, air pollution, air pollution assessments, air pollution control, air quality, air quality impacts, air quality modeling, |
| 4 | Crop | Crops, |
| 5 | NDVI | Normalized Vegetation Difference Index, Normalized vegetation difference index |
| 6 | NDWI | Normalized Difference Water Index |
| 7 | Vietnam Mekong Delta | Vietnam, Mekong, Vietnamese Mekong Delta |
| 8 | Biomass | above ground biomass; above-ground biomass, biomass, biomass air quality model, biomass burning |
| 9 | Aerosol | Aerosol; aerosol parameters; aerosol properties |
| 10 | Agriculture | agricultural activities, agricultural areas, agricultural crops, agricultural environments, agricultural intensification, agricultural livelihoods, agricultural monitoring, agricultural practice, agricultural production, agriculture, agriculture development, agriculture field agriculture forecasting, agriculture monitoring, agriculture sector |
| 11 | Image classification | Classification, Classification Accuracy Assessment, Classification Accuracy Assessment Assessments, Classification Algorithm, Classification Approach, Classification Methods, Classification Procedure, Classification Results, Classification Technique, Classification Data Fusion |
| 12 | Data Processing | Data Acquisition, Data Assimilation, Data Collection Method Data Fusion, Data Handling, Data Integration, Data Pre-Processing, Data Processing, Data Searching, Image Processing, Image Processing And Analysis |
| 13 | GIS | Geospatial Assessment, Geospatial Information, Geographic Information Systems, Geographic Information Systems, GIS Modelling |
| 14 | Irrigation | Irrigation, Irrigation Canals, Irrigation Pond, Irrigation Practices Irrigation Systems, Irrigation Waters |
| 15 | LULC | Land Cover, Land Cover Change, Land Cover Classification, Land Cover Mapping, Land Use, Land Use and Land Cover, Land Use Change, Land Use, Land Use Pattern, Land Use Planning, Land Use Status Map, Land Use Type, Land-Cover Change, Land-Use Change, Landcover Classification, Landuse Change |
| 16 | MODIS | Moderate Resolution Imaging Spectroradiometer, Moderate Resolution Imaging Spectroradiometer Datum, Moderate Resolution Imaging Spectroradiometer Satellites, Modis, Modis Satellite, Modis Time Series |
| 17 | Remote Sensing | Remote Sensing Analysis, Remote Sensing and GIS, Remote Sensing Approach, Remote Sensing Classification, Remote Sensing Composite Swidden, Remote Sensing Data, Remote Sensing Data |

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| | | Assimilations, Remote Sensing Techniques, Remote Sensing Technology, Remote Sensing NDVI |
| 18 | Rice Yield | Rice Crop Yield, Rice Yield, Rice Yield Estimation |
| 19 | Rice mapping | Rice Cropping, Rice Cropping Patterns, Rice Cropping System Mapping, Rice Cropping Systems, Rice Crops, Rice Cultivation, Rice Distribution, Rice Monitoring, Rice Paddy, Rice Paddy Mapping, Rice Phenology, Rice Production, Rice Seasons, Rice Sowing. |