



This last quarterly report of 2022 provides an update of the activities completed in this quarter, the data available and key statistics and metrics gathered from insights collected by the project team and the strategic partners and general partners.

News and Media

[UN-FAO Connecting forest and people event](#) October 2022 saw 200 attendees in person and online come together for an inspiring forest and land monitoring conversation.

[Upstream Tech](#) recently added the NICFI Satellite Data Program to their platform Lens allowing their community of access. Another example of the growing engagement and participation by platform providers to reach their community.

Supply Chain Data [Partnership launched](#) at COP27 (November) - will use NICFI-Planet Basemaps in initial R&D phase on asset-level datasets.

At **COP15**, Planet-hosted a side event on How Satellites can Help Protect Nature, Climate, Biodiversity featured speakers from NICFI user community, including NASA SERVIR.

NICFI dataset highlighted in the [Climate Change AI newsletter under Data, Challenges, Hackathons, and Resources.](#)

[Reduce and Reverse Tropical Forest Loss With NICFI](#) - interview in Mapscaping podcast

Activities

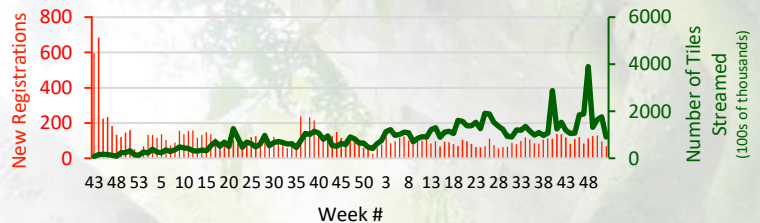
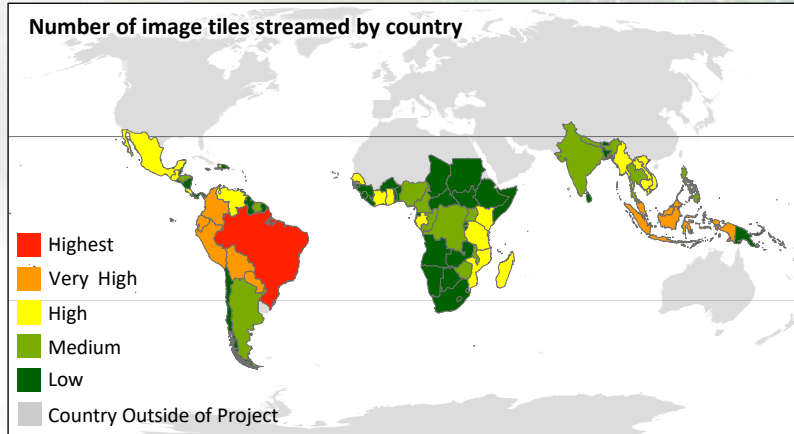
- Continued delivery of monthly mosaics.
- User outreach and support across user groups.
- Database of Users Stories continually updated and organised by user group.
- Ongoing support to Purpose Allies/Platform partners with quarterly meetings.
- Continue to build momentum in engagement activities including to new groups and initiatives.
- Ongoing outreach with other geospatial software and platform providers where relevant.
- Capacity building support with key users. Continue to populate user stories database and resource hub with community and program led resources.
- Plan for events in 2023.
- Support Project Evaluation process.
- User Survey Analysis.
- Level 2 report process

Events

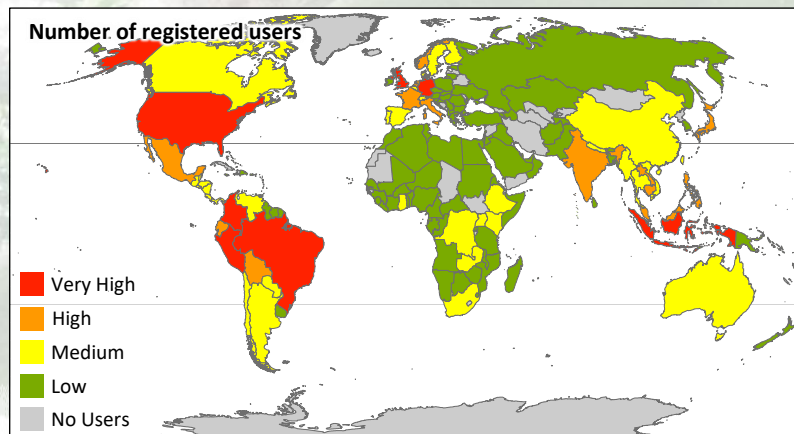
- Program Y2 Annual Meeting – 4/5th October, France
- GEO4GOOD – 4-6th October, USA
- World Economic Forum UpLink – 19th Oct (online)
- UNFAO Science & Innovation Conference – 20th Oct (online)
- GEOWeek – (virtual attendance) 31st October
- COP27 – 6-18th November, Egypt
- COP15 – 7-19th December, Canada
- COP15 side event – 6th December, Canada
- AGU – 12-16th December, USA

Resources and Helpdesk

Tier one support has handled 61 tickets in this quarter (409 overall + 458 overall Tier 1 requests sent directly to Planet) with issues or questions typically resolved within hours. Most commonly these have been on topics of download and discovery, access through other platforms such as GEE. Additional support material in the form of FAQs, User guides available in five languages (English, Spanish, French, Portuguese and Bahasa Indonesian), a Community forum as well as a Twitter page continue to be well used.



97 countries included in the NICFI program with over **16,400 registered users** from **158 countries** worldwide. To date, **80 million tiles** streamed from Planet Explorer.





Publications

Some examples of journal articles using the Satellite Data Program are below:

- [Mapping Tropical Forest Cover and Deforestation with Planet NICFI Satellite Images and Deep Learning in Mato Grosso State \(Brazil\) from 2015 to 2021](#)
- [Using high-resolution imagery and deep learning to classify land-use following deforestation: a case study in Ethiopia](#)
- [Tracking Deforestation, Drought, and Fire Occurrence in Kutai National Park, Indonesia](#)

Activities next Quarter

- Ongoing delivery of Level 1 monthly mosaics.
- Ongoing support to Level 2 users.
- Continue working with UN Biodiversity Lab with the hope to bring them onboard as a Purpose Ally
- Ongoing support to Purpose Allies/Platform partners with quarterly meetings.
- Continue to build momentum in engagement activities including to new groups and initiatives.
- Ongoing outreach with other geospatial software and platform providers where relevant.
- Continue to populate user stories database and resource hub with community and program led resources.
- Plan for events in 2023.
- Support Project Evaluation
- Prepare materials for L2 refresher training
- Evaluate/Analyse Level 2 report s
- Prepare next User Survey
- Events
 - Upstream Tech webinar – 31st January (online)
 - Level 2 Training and Q&A forum – Feb/Mar 2023
 - Science User Roundtable – 16th Feb
 - Hackathon – Feb/Mar 2023
 - One Forest Summit – 1-2 Mar, Gabon
 - World Conf. of Science Journalists – 27-31st Mar

User Stories

AidEnvironment

Six case studies showing deforestation and fire events taking place inside and/or the surroundings of two Indigenous Territories in Brazil are included in AidEnvironments [8th RDM report](#). They include the alarming reporting of 4,117 hectares of clearance linked to 108 fire alerts between January 1st and November 4th of 2022, and are potentially linked to numerous private sector organisations. Although economic activities taking place inside Indigenous Territories are not allowed or regulated by Brazilian law, there has been a loss of 140 thousand hectares in these areas between 2019 and 2021 ([MapBiomias](#)). The satellite data program helps to map, validate and quantify the impacts of supply chain driven deforestation.

CONAFOR

One of the established goals is for Mexico to have a functional alert system. Currently, the first year of monitoring of the early warning system has been completed in the Montes Azules area (this complex comprises 7 natural parks) in southern Mexico. The imagery provided by the NICFI program has been crucial for the development, implementation, operation, and continuous improvements of the deforestation early warning system. The alerts are currently delivered to the National Commission of Natural Protected Areas (CONANP in Spanish), which has made it possible to follow up on irregular settlements and the appearance of illegal trails in the interior of the Montes Azules natural park.



Forests of the World

Forests of the World uses NICFI satellite data to prepare, among others, land use and cover maps and estimate deforestation rates annually with local partners in relation to indigenous territories and other areas of interest in Honduras, Nicaragua, Panama, Bolivia, Ethiopia and Uganda. By engaging local partners and beneficiaries in forest monitoring activities and supporting the defense and sustainable governance of lands and forest resources, the rights and livelihoods of indigenous peoples and local communities are improved.

Purpose Allies



SINCE NOV 2020

~9k selections of the Planet-NICFI Basemap per month



SINCE APR 2021

11k users
60k views
23k sessions



SINCE NOV 2020

~300k tile views per month
35 analysis per week



SINCE DEC 2021

167 views of NICFI related forum posts



Q1 2023

Fundacion Ecocencia



Ecocencia's land cover and land use data collection is annually-updated supplying reliable and freely available information to monitor spatially and temporally the Amazon. The maps are available on [MapBiomias](#) as well as on other sites such as [RAISG](#) and Level 2 imagery is used for more thematic detail. The purpose is to support action in the Amazon. An example is the map's mining class data has already been used to identify cases to be further analysed in MAAP reports, which also use Planet data.

Partner profile – Google Earth Engine

From its inception over 10 years ago, Google Earth Engine's mission has been to create a global-scale platform for Earth science data and analysis to further address the most pressing environmental and societal issues we face. In September 2021 the [NICFI Satellite Data Program Level 1 mosaics became available in Google Earth Engine](#), representing a direct response to user need. By making this data available in GEE (and hosted there) it has made it easier for users to interact with the mosaics, run analyses without the need to host the, often large volumes of data themselves. All Level 1 users, the Satellite Program's baseline level, have access to this option once they have signed up to the program at www.planet.com/nicfi. See also: [How to access NICFI basemaps in GEE](#).

Outreach Partners



Microsoft



@NICFISatData