This second quarter 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

In honour of the second year of the program the **Program launched it's own logo** to help provide

NICFI SATELLITE DATA PROGRAM

consistent marketing for the program and recognisable team logo. It was launched at Living Planet, Bonn.

The Satellite Data Program **hosted a side event at OTFF in Oslo.** The networking event, the night before OTFF started, brought together 70 people from across the user community to hear presentations from a range of speakers sharing insights on the applications of the data across the world including the Ministry of Environment in Gabon, UN-FAO and Pulitzer Centre, whilst also having the chance to chat and share together in an informal setting.

Activities

- Continued delivery of monthly mosaics.
- Phase 2 SPOT6/7 production completed
- User outreach and support across user groups
- Database of Users Stories continually updated
- Continued outreach with Purpose Allies/Strategic partners.
- Ongoing delivery of Level 1 monthly mosaics.
- Ongoing support to Level 2 users.
- Ongoing support to Purpose Allies/Platform partners with quarterly meetings.
- Explore new Purpose Allies relevant to the program
- Analysis of User Survey results
- Planet University resources for the Satellite Data Program
- NICFI Satellite Data Program Logo roll out
- Continue to build momentum in engagement activities including to new groups and initiatives.
- Ongoing outreach with other geospatial software and platform providers at both local and global scale with a prioritisation of user community needs
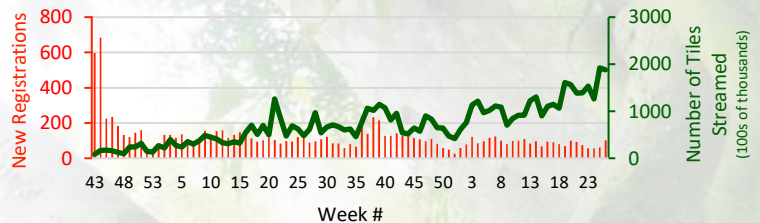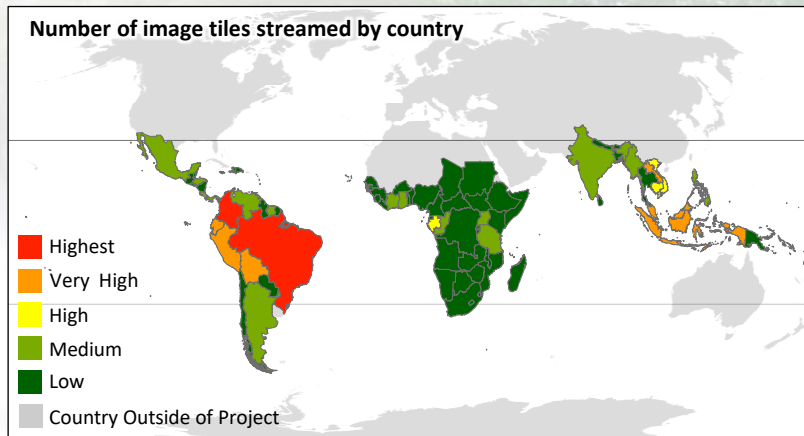
Events

- World Forestry Congress – South Korea, 2-6th May
  Living Planet – Germany, 23-27th May
- Greenpeace Data Activist Co-op - 1st June
- GEO Indigenous Webinar - 2nd June
- Mongabay Webinar - 2nd June
- OTFF – Norway, 21-22nd June
- World Rainforest Day Global Summit – 22nd June
- Scientific Roundtable - 30th June

Number of image tiles streamed by country

- Highest
- Very High
- High
- Medium
- Low
- Country Outside of Project

97 countries included in the NICFI program with over **12,200 registered users** from **155 countries** worldwide. To date, **60.1 million tiles** streamed from Planet Explorer.

Number of registered users

- Very High
- High
- Medium
- Low
- No Users
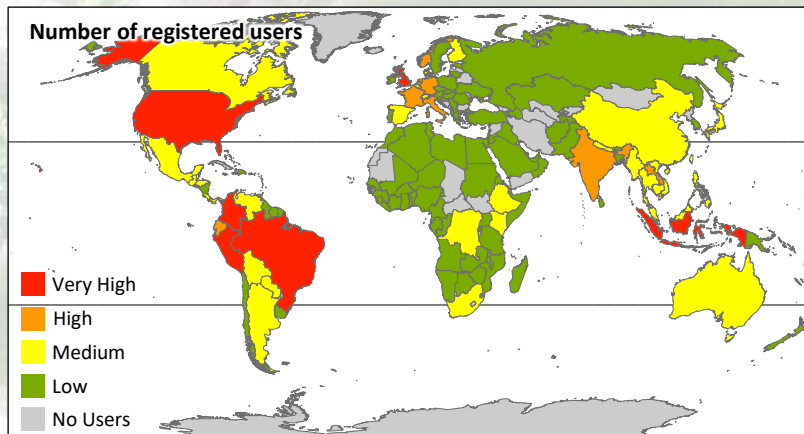
Resources and Helpdesk

Tier one support has handled 30 tickets in this quarter (322 overall + 168 Tier One 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 has been generated, and the launch page has been redesigned to make things more visible and accessible with links to enablement materials such as FAQs and User guides available in five languages (English, Spanish, French, Portuguese and Bahasa Indonesian). Additional resources including a community resource page are available for users and a community forum is due to come this summer.

General Partners

44 General Partners in the program from 24 different countries. 206 active user keys accounting for 86% of issued keys.

- Planet accumulated Scene usage: 60,588,249 sq km Scene downloads and 8,623,661 Streamed tile views showing continued growth since Q1 2022 as more General Partners are now using the data.
- SPOT5/6 and 7 Scene usage 90,850 Scene streams

Activities in Q2 included:

- Phase 2 SPOT6/7 production
- Regular engagement and support
- Building of Level 2 user stories

Publications

Since the program started a number of peer review articles are now under review which utilise the NICFI Satellite Data Program. Some examples of this are below:

- A consistent assessment of trees inside and outside forests improves estimates of total tree cover in Africa
- PlanetScope, Sentinel-2 and Sentinel-1 Data Integration for Object Based Land Cover Classification in Google Earth Engine
- Modelling above ground biomass using Sentinel-2 and PlanetScope data in dense tropical montane forests of Tanzania

Activities next Quarter

- Ongoing delivery of Level 1 monthly mosaics.
- Ongoing support to Level 2 users.
- Onboard new Purpose Allies Restor and continue working with UN Biodiversity Lab
- 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
- Complete community forum for knowledge sharing and discussion.
- Continue to populate user stories database and resource hub with community and program led resources
- Create Satellite Data Program Twitter for easier engagement
- Prepare for events in H2 of 2022
- Events
  - Pulitzer centre workshops 20th July and 3rd August
  - ForestSat – Germany, 29th Aug – 2nd Sept
  - GFOI Webinar series 7/8/9th Sept
  - Indigenous round table TBD June

Purpose Allies

MAPBIOMAS

RESTOR

GLOBAL FOREST WATCH

sentinelhub by SINERGISE

FAO

Outreach Partners

Microsoft

mapbox

esri

User Stories

Pulitzer centre

The Rainforest Investigations Network (RIN) is using the NICFI Satellite Data Program to support its investigative journalism. The main themes are illegal activities and corruption, global supply chains, power politics and other enablers and legal loopholes and policies. Their data driven approach is innovative and explores innovative data and technologies (including machine learning) and collaboration to ensure the best information is extracted whilst working with NGOs, activists and journalists (cross border). RIN have also developed ML algorithms to detect gold mines on satellite images allowing journalists to more easily target areas for further investigation.

Amazon Mining Watch is a partnership between Pulitzer Centre's RIN and Earthrise Media. These two nonprofit organizations have joined forces to bring together the power of machine learning and investigative journalism to shed light on large scale environmental problems in the Amazon.

AMAZON MINING WATCH BETA

Nusantara Atlas

The TreeMap's Nusantara Atlas platform is soon to be available to all where a range of information layers including deforestation rates, facilities, infrastructure and protected areas are included. The addition of the NICFI Satellite Data Program adds a visualization tool providing new insights on top of the existing Sentinel-2 layers. The platform which collates stories and works with other NGOs and organisations in support of monitoring tropical forests, especially in Indonesia, also allows users to build their own graphics and images to support their own stories analyses of deforestation in their region.

HAkA

In the Leuser Ecosystem – the last on earth for 4 key species that are nearly extinct - covers more than 2.6million Ha of rainforest in Aceh and Northern Sumatra. Satellite data is allowing NGOs like HAkA the opportunity to monitor the level of deforestation in a more targeted way to support law enforcement related to illegal logging, monitor deforested areas due to fire and interactively present the information on maps easily accessible on mobile devices for field operations. The use of the mosaics coupled with data from GFW and on the ground knowledge presents a powerful tool to manage and monitor this ecosystem.

Partner profile – Restor

Restoration is a key component of reversing the loss of tropical forests and reducing deforestation. Restor, and the platform it offers, is accelerating the conservation and restoration of nature for the benefit of people, biodiversity, and climate. Restor connects people and projects to scientific data, monitoring tools, funding, and each other to increase the impact, scale, and sustainability of these efforts. The NICFI Satellite Data Program will soon be available within Restor to support users within to explore this data with the other layers of information available in Restor's platform.