



Welsh Government Earth Observation Program



Bristol Channel, United Kingdom – June 3, 2022



Welsh Government EO Program for Welsh Universities

Products

- Imagery sources: PlanetScope and Rapid Eye, SkySat
- PlanetScope All Time Access +Download
- RapidEye Archive All Time Access + Download + Premium Clipping
- SkySat Archive older than 6 months
- Automated Basemaps Streaming and Download*



8 licences / year

2,000.00 Users/ Campus

1B global Tile Views

Download Area Quota for PS/RE
Scenes and for Basemaps: 100M
sqkm

200,000 sqkm for global SkySat
Archive

Premium Clipping

30th of March 2026

**SR Basemaps depend on availability. No SR basemaps are generated on demand.*





Welsh Government EO Program for Welsh Universities


Sign Up for Access

- Go to [Welsh Government Earth Observation Program for Welsh Universities](#) webpage
 - Reach out to your University's POC, or
 - Request access via the form
- Reach out to Planet directly at support@planet.com with the subject line “Welsh Gov EO access request”

Find Resources

- Seven training webinar recordings covering the Program and Planet's Apps, APIs and GIS Integrations







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Amgylchedd Cymru
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Welsh Government Earth Observation Program for Welsh Universities



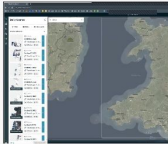


See Change.
Change the World.



Llywodraeth Cymru
Welsh Government

Working in collaboration with Planet Labs, one of the world's leading providers of satellite imagery, Welsh Government have provided an amazing opportunity for Welsh university researchers to access high resolution, high frequency earth observation data.



There are 2,000 individual licenses available at each of the eight Welsh universities. If you wish to access the data, please liaise with the relevant Point of Contact (PoC) for your institution.

| University | Point of Contact | Email Address |
|-----------------------------------|-----------------------|------------------------------|
| Aberystwyth University | Richard Lucas | rm2@aber.ac.uk |
| Bangor University | Manieile Smith | manieile.smith@bangor.ac.uk |
| Cardiff University | Andrew Emery | emeryad@cardiff.ac.uk |
| Cardiff Metropolitan University | Catherine Tryfona | ctryfona@cardiffmet.ac.uk |
| University of South Wales | Carys Evans | carys.evans@southwales.ac.uk |
| Swansea University | Jackie Rosette | j.a.rosette@swansea.ac.uk |
| University Wales Trinity St David | Mike Goodfellow-Smith | m.gsmith@uwtsd.ac.uk |
| Wrexham Glyndwr University | David Sprake | d.sprake@glyndwr.ac.uk |





Welsh Government EO Program for Local Authorities

Products

- PlanetScope, Rapid Eye, SkySat
- Wales territory only
- Quota limits to be determined upon access granting

Who is eligible?

- Cities and Councils
- Counties and County boroughs

Request Access

- Reach out to Claire Horton, Geospatial and Earth Observation Manager-Welsh Government at claire.horton@gov.wales with the subject line “Welsh Gov EO access request”



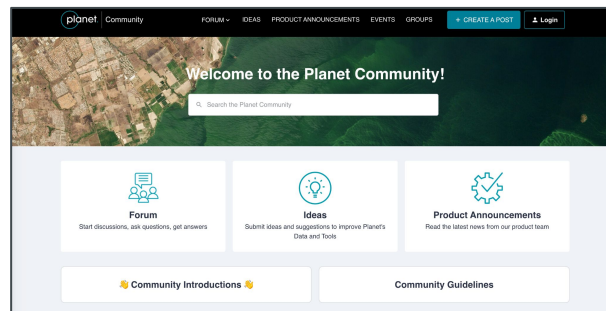
Resources

Planet University

- On-demand onboarding and advanced educational resources for all users and partners
- Ongoing live webinars
- Videos, courses, guides, tipsheets, and more

Planet Community

- Community forum for users and partners to ask questions, join groups, attend events
- Product ideation forum
- Product updates and release notes





Selected Use Cases

Carbon Stocks
Monitoring

Early warning protocols for
anticipatory action ahead of climate
hazards

Urbanization of
the Global South

Landscape
monitoring of
industrial areas

Assessing seasonal and
drought responses of
Amazon forests

For demonstrating the
use of RS via lectures
and practical

Urban areas and heat islands

Computing Leaf Area
Indexes

ML-AI Algorithms testing

Teaching RS of Environmental
Hazards

Assessing drought damage to
trees in a particular state of
Germany

Assess the extent of
montane scrub coverage in
Scotland and Norway

Landscape monitoring
for Coal Tips and
abandoned Mines

+Publications

Aberystwyth University

1. [National Crop Mapping Using Sentinel-1 Time Series: A Knowledge-Based Descriptive Algorithm](#)
2. [The Earth Observation-based Anomaly Detection \(EOAD\) system: A simple, scalable approach to mapping in-field and farm-scale anomalies using widely available satellite imagery](#)
3. [Surface composition of debris-covered glaciers across the Himalaya using linear spectral unmixing of Landsat 8 OLI imagery](#)
4. [160 glacial lake outburst floods \(GLOFs\) across the Tropical Andes since the Little Ice Age](#)
5. [RadWet: An Improved and Transferable Mapping of Open Water and Inundated Vegetation Using Sentinel-1](#) **NEW!**

Bangor University

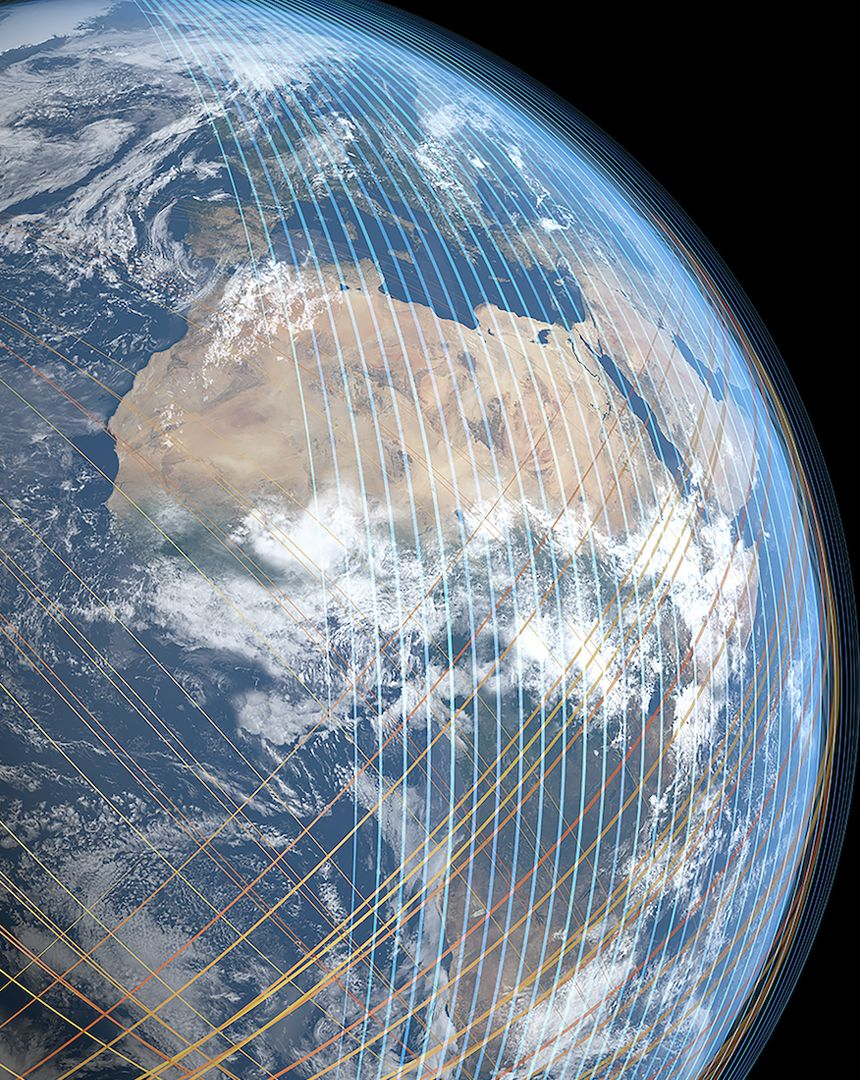
6. [Climate change and Welsh catchments: implications for hydrological regime, water quality and water abstraction](#)
7. [Recent large-inland-lake outbursts on the Tibetan Plateau: processes, causes, and mechanisms](#) **NEW!**

Cardiff University

8. [Estimation of river flow using CubeSats remote sensing](#)
9. [Decrease in volcano jet noise peak frequency as crater expands](#)
10. [On advances, challenges and potentials of remote sensing image analysis in marine debris and suspected plastics monitoring](#) **NEW!**

Swansea University

11. [Modeling the Spatial Distribution of Acacia decurrens Plantation Forests Using PlanetScope Images and Environmental Variables in the Northwestern Highlands of Ethiopia](#)
12. [Climate change and Welsh catchments: implications for hydrological regime, water quality and water abstraction](#)



Thank You.



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