News

eoSCAN is a tool for users and service providers to consult the **latest up-to-date sector news** and documents from the Earth Observation industry. The news are **updated daily** and will allow the users to discover and surf the different sections. You can make use of the **archive** and **search function** to browse the news of the past months.

Archive

Sep 2023

Corporate News ⭐ Thanks to contributions from ©Terrawatch Space

- Earth-i, a UK-based EO startup is joining hands with Planet to build environmental monitoring solutions for the UK's Rural Payments Agency.
- EO data marketplace SkyWatch partnered with Satellogic to have the data available on their platform, while another EO data marketplace UP42 partnered with SAR data provider Umbra;
- EO satellite provider SATLANTIS is partnering with Dotphoton, a company specialising in building image compression software;
- EO data platform UP42 is teaming up with Israeli EO satellite operator ImageSat International (ISI) to provide access to 30 cm resolution optical imagery from the ISI's EROS NG satellite constellation;
- Esri is integrating its ArcGIS mapping platform with Microsoft Azure Space to enable access to real-time data access and analysis capabilities;
- Estonian startup KappaZeta, which builds agriculture and forestry solutions based on SAR data has raised €480K
- European Space Imaging (EUSI), a satellite imagery provider is partnering with SAR satellite operator Umbra to offer SAR data to EUSI's customers;
- GHGsat Raising US$44M underscores GHGSat's leading position in greenhouse gas emissions intelligence and demonstrates strong investor confidence in the company.
- Hyperspectral satellite operator Pixxel is partnering with EO marketplace SkyFi to integrate its hyperspectral data into SkyFi's platform;
- Maxar has reorganised into two separate businesses: Maxar Space Infrastructure and Maxar Intelligence, along with some job cuts
- Satellogic has signed an agreement with Skyloom with plans to integrate Skyloom's optical communications terminal onto Satellogic's satellites which will reduce data downlink latency. Satellogic + SkyWatch announce a new EO partnership.
- Pixxel is partnering with geospatial solutions firm Sanborn to provide hyperspectral data from its satellites for developing applications across agriculture, forestry, mining and other verticals
- Satellogic provided financial results for the first half of 2023, in which it reported $3.2M as revenues, a 33% year-over-year growth along with plans to redomicile the company in the US, from the British Virgin Islands.
- Smallsat manufacturer Open Cosmos raised $50M in a Series B round to expand its EO satellite business, from investors including technology consulting firm Accenture
- SynMax, a geospatial intelligence company focused on the energy and maritime sectors, has acquired Gas Vista which offers an energy trade flow analytics & visualisation platform
- SkyWatch is teaming up with SatelliteVu to enable access to the latter's thermal infrared satellite data on its platform;
- VIDA, a German EO analytics startup raised €3M to provide physical climate risk information for infrastructure-related investments
- Wyvern, a hyperspectral imaging startup, has partnered with space infrastructure firm Loft Orbital, securing capacity on a Loft Orbital satellite with a hyperspectral payload.

- AWS is partnering with the Indian space agency ISRO and its commercial space arm IN-SPACE to support EO-related, cloud-based solutions;
- Data from the Sentinel-1 satellite are being used to analyse how the ground has shifted as a result of the earthquake in Morocco.

- Communication on EU Missions two years on: assessment of progress and way forward
- Critical raw materials act
- Egypt will launch MisrSat-2, a land monitoring satellite, built in partnership with China, later this year
- Indian EO firm SatSure is planning to invest $35M for the launch of four EO satellites by 2025
- EUMETSAT released preliminary data from the MTG-I1 weather satellite, showing combined data from the imager and the lightning imager;
- UAE-based geospatial solution provider Bayanat is partnering with hyperspectral satellite firm HySpecIQ to enable hyperspectral imaging and analysis capabilities in the country;
- Portuguese EO firm GEOSAT has announced that it will be launching 11 high and very high-resolution satellites in 2025
- Revision of the Energy Performance of Buildings Directive: Fit for 55 package
- Spain announced that it will be partnering with ESA to launch the Atlantic Constellation, an EO satellite constellation of 16 satellites, 8 of which will be developed in Spain and the other 8 in Portugal
- UK-South Africa Collaboration in Space & Environment
- UK Government announced plans to join the Copernicus and Horizon Europe programmes through a bespoke agreement with the EU, putting an end to questions about the future of the world's largest EO programme; UK aspires to 'go beyond' EU Earth observation programme

The Strategic Roadmap developed under the FIREFORUM project reflects the research and innovation strategy, with the EC and Member State funding agencies in mind as the prime audience. Download the pdf version of the road map for the following sectors

AGRICULTURE	INFRASTRUCTURE	MARINE & MARITIME	RAW MATERIALS	URBAN DEVELOPMENT	WIND ENERGY

- California has unveiled regulations that mandate pollution disclosures, including supply chain greenhouse gas emissions for companies with annual revenues over $1 billion
- EO solution provider GAF and the ESA have started a project to enable long-term preservation and public accessibility to data from Indian EO satellites, IRS-1C and IRS-1D, providing data from the pre-Sentinel era
- ESA article on how the combined capabilities of Sentinel-5P and Sentinel-2 satellites, automatically discover methane super-emitter plumes.
- Flood risk analytics firm Fathom unveiled FABDEM+, a high-resolution, global, digital elevation model
- Maxar, Copernicus Emergency Management Service and UN Disaster Charter among others activated their open data and mapping programs to support damage assessments in the wake of the earthquake in Morocco.
- Major UK Methane Greenhouse Gas Leak Spotted from Space. Read More
- Saudi Green Initiative: satellite monitoring of forest growth in Saudi Arabia. download the press release
- Spiral Blue's Cobalt platform revolutionises flood risk management and bushfire recovery
- Satellite-based Earth Observation Market Is Expected to Boom
- Satellite data has shown that the sea ice surrounding Antarctica is well below any previously recorded winter level, alarming experts
- Satellogic sign multipath optical comms data transmission agreement
- UK major methane leak spotted from space
- UN's Marine Sand Watch, the first-ever global data platform on sand and other sediment extraction in the marine environment, found that about 6 billion tons of sand is extracted annually, impacting marine life;
- Using GHGSat satellite data, the University of Leeds identified an unusually large methane source emitting a rate of over 200 kg/hr.
- This piece on TerraWatch, which discusses the applications of L-band SAR in the mining sector, through case studies from Israeli startup ASTERRA
- This piece from The Guardian showing how satellite imagery was used to identify and track vessels transporting sanctioned oil around the world

- American Airlines, through a collaboration with Breakthrough Energy and Google, demonstrated a method to reduce aircraft contrails ¹using data from weather satellites (but scaling this might not be an easy task)
- Delos Insurance, which offers wildfire insurance products based on EO has raised $7.3M in a seed extension round;
- EO data distributor SkyFi has unveiled geospatial analytics features on its platform, called SkyFi Insights, as well as the availability of open EO data;
- Ground segment provider KSAT is implementing an integrated satellite tasking, data reception and processing platform for near real-time delivery of ship detection services;
- Location platform MapBox has closed $280M in a Series E funding round, led by SoftBank to expand its map offerings for the automotive industry
- New Partnership To Bring Transparency To Forest Carbon Projects
- Satellogic Selects Skyloom Optimal Terminals for EO Satellites
- Techstars announced the 12 startups joining its Space Accelerator, including EO startups Esper, Little Place Labs and PierSight Space
- These 25 Companies Own Most of the Satellites in Space
- Weather intelligence firm Tomorrow.io is expanding its recent Series E funding round by $22M (to the $87M raised in June), including from strategic investors such as the UAE's Strategic Development Fund

- Ball Aerospace was awarded a contract worth $487M to deliver a hyperspectral infrared sounder for NOAA's GeoXO satellite constellation;
- Greenhouse monitoring EO firm GHGSat closed a Series C1 funding round of US$44M, which includes strategic investors such as the Japan Energy Fund and the Government of Québec;
- SpaceChain, a Singapore-based startup that has integrated blockchain nodes into satellites, unveiled an AI-based platform called I-Sat, an interactive tool to answer questions with Earth observation data;
- SAR satellite company Iceye was selected by the Government of Australia to supply flood and bushfire hazard data used for disaster response;
- Spire was selected by Estuaire, an aviation data analytics startup to provide satellite and terrestrial ADS-B data;
- Wildfire monitoring EO startup OroraTech, won a contract from the Forestry Corporation of New South Wales, essentially an extension of their current partnership to improve wildfire management in Australia;
- Weather forecasting startup Salient Predictions was awarded a grant from NOAA to advance their AI-driven water availability forecasting system, capable of predictions up to 52 weeks ahead.

- Earth Observation Satellite Market 2023-2031 Market Insight
- GHGsat Access it today, and see our monitoring activity for Q2 2023
- The State of the Climate Report a peer-reviewed, international annual review of the world's climate from more than 570 scientists in over 60 countries, was released which showed that greenhouse gas concentrations, global sea level and ocean heat reached record highs in 2022.
- Planet reported revenues of $53.8M for Q2 2023, with major contracts from institutions such as the UK Rural Payments Agency and the US Space Force';

- Geospatial World Forum 2024 shall host a two-day program on GEOSPATIAL FOR CLIMATE: ACCELERATING THE TRANSITION TO A SUSTAINABLE GREEN ECONOMY.
- Geospatial Information: Accelerating Implementation of the SDGs (SDG Action Weekend, Side Event)
- GeoBuiz Summit Europe
- ESA Open Days 2023: connecting space enthusiasts across Europe
- ©Terrawatch Space check out the list of all EO-related events, conferences and workshops remaining in 2023 from around the world
- The research road to net-zero industry

List of capdev meetings at CEOS

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Aug 2023

Corporate News ⭐ Thanks to contributions from ©Terrawatch Space

- Aerospacelab: CEO of the new North American branch + Group Chief Strategy + Revenue Officer named
- Carbon rating firm BeZero Carbon is partnering with French EO analytics company Kayrros to map the Amazon basin using satellite imagery and geospatial data to rate carbon projects
- Carbon monitoring startup Sylvera, which uses remote sensing data among other sources, has raised $57M in Series B funding
- Capella Space announced details about its next-generation SAR satellite including high-resolution imagery and low latency delivery
- Constellr raises €17m in Seed Funding
- Development Seed announced the launch of eoAPI, a cloud-native, open geospatial data infrastructure to make archived EO data more easily discoverable and interoperable
- Luxembourg-based startup Kleos Space has filed for bankruptcy
- Indian startup GalaxEye has announced plans to launch the world's first multi-sensor satellite in 2024
- NuView Aims To Map Earth In 3D Using Satellite Based LiDAR
- Planet Completes Acquisition of Sinergise; Set to Expand Planet's Earth Data Platform
- Privateer Space, a space sustainability startup founded by Apple co-founder Steve Wozniak, unveiled an EO marketplace that will be powered by an edge compute, storage, machine learning, and data transmission module
- SatSure is partnering with Rabo Partnerships, an initiative of the Dutch agribusiness bank, Rabobank, to enable cash flow-based lending for smallholder farmers globally using SatSure's EO products;
- Satellogic and Quant Data & Analytics Announce 3-Year Agreement
- Satsure invest ib Astrogate Labs
- Spire Global teams up with OroraTech to launch a fleet of wildfire-monitoring satellites.Spire Global awarded a GHGSat contract for satellite constellation expansion. SEE FULL STORY. Spire rolled out a new weather monitoring and alerting platform, called DeepVision aimed at the energy, supply chain and logistics industries
- Umbra, which announced its open data policy earlier in the year, said it has now released over $1M worth of free data;

- Australia's space industry is facing an uncertain future after the recent budget cuts which cancelled the national EO programme
- AI-Empowered Policy Making with the UN Arab Region Data and Policy Support Hub
- China Launches New Meteorological Satellite. China launched the FENGYUN-3F weather satellite
- China successfully launches new satellite for Earth observation
- EU's Copernicus program: Tracking humans' impact on Earth
- India's first Defence UAV Testing Centre to be in Tamil Nadu. Indian Startup to launch world's first Multi-Sensor Satellite in 2024
- India's IN-SPACe is considering a public-private partnership for building and operating a national EO constellation. India launched 7 Singaporean satellites, including a SAR satellite to be used by Singapore government agencies and commercial customers
- Indian EO analytics firm, SatSure, which is building a constellation of satellites, made a strategic investment in Astrogate Labs, a startup building laser communications system that enhances downlink speed to 1 Gbps
- IN-SPACe moots PPP model for earth observation satellite constellation for India
- ISRO published details of the NISAR Utilization Programme, an initiative to allow Indian researchers to access data from the NISAR satellite with a dual-frequency S-and L-band SAR instrument, launching in early 2024
- 5 Private Companies Planning Earth Observation Missions
- NASA announced the release of the first open-source geospatial AI foundation model for EO data, built using the Harmonized Landsat Sentinel-2 dataset, in partnership with IBM
- NOAA Eliminates Certain Restrictions on Commercial Remote Sensing Companies. NOAA lifts many commercial remote sensing license conditions
- Radiant Earth, PLACE, Spatial Collective, and the Kenyan Space Agency are collaborating on a pilot project to collect and curate labelled high-resolution agricultural data for open access and public benefit in Kenya
- The UK Space Agency announced £15M in funding which will be used to invest in a range of environmental monitoring EO instruments
- The Government of Western Australia invested AUD 800,000 in LatConnect 60, which is building a constellation of EO satellites
- The Group on Earth Observations announced the development of Global Heat Resilience Service that aims to provide every urban area in the world with intelligence on the health risks from exposure to extreme heat using EO
- SkyWatch announces availability of Umbra SAR data and also launches InSARance
- UK Space Agency funds Earth observation technologies. UK Space Agency announces £15M for Earth Observation technologies
- What if Latin America Built a Shared Satellite Data Center?

The Strategic Roadmap developed under the FIREFORUM project reflects the research and innovation strategy, with the EC and Member State funding agencies in mind as the prime audience. Download the pdf version of the road map for the following sectors

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- Array Labs is scanning the Earth from space to equip autonomous vehicles with 3D maps
- Can satellite data services tackle pollution and biodiversity threats?
- Capella's Earth-imaging satellites are deorbiting faster than expected
- Geospatial Intelligence Drives the Future
- Generation Space Index Q2 2023 is released
- How Upstream Tech's Lens Platform and Planet Imagery Help One Tree Planted Visualize
- Maxar unveils new Maxar Geospatial Platform | Geo Week News
- NASA scraps study to use lidar space sensors for climate monitoring of aerosols
- Satellites Detect Methane Leak in Kazakhstan Raising Climate Concerns
- Scientific Innovation and an Evolving Industry Landscape
- SAR satellites from Capella Space are falling back to Earth much sooner than the three years they were anticipated to operate, due to a combination of issues with the propulsion system and increased solar activity
- Planet Joins BARSC. Planet has announced a layoff of 117 employees, about 10% of its ~1,000 employees
- Planet Labs and MAXAR images provide updates of Maui fires' devastation

- European space traffic management company Neuraspace has joined NVIDIA Inception, a program that nurtures startups revolutionizing industries with artificial intelligence
- EnduroSat Partners with Vyoma for SSA Mission
- IN-SPACe may be looking at 130 satellites
- Hesai Technology, NVIDIA Collaborate on AV System Development
- Pioneering worldwide space partnerships to boost UK innovation
- PrivacyHawk Raises $2.7 Million to Pioneer the Personal Data Protection Market
- Real-estate broker Redfin will include wind risk data provided by the non-profit firm First Street Foundation, based on current and projected wind exposure from hurricanes, for nearly every U.S. property listed on its website
- SatSure Invests in Astrogate Labs for Laser Communication Solutions
- The Next Frontier in Agriculture: Earth Observation Drones for Precision Farming
- Tilebox, an Austrian startup, building a platform for space data management raised $1.7M in pre-seed funding;
- Top Five Applications of Remote Sensing
- Quantum Space Exec Details Plan to Open Access to GEO
- 10 small projects to save the planet using environmental satellite data

- Google, together with Woodwell Climate Research Center, has won a $5M grant to create satellite-based analysis methods for permafrost monitoring in the Arctic, leveraging data from public and commercial sources
- Luxembourg-based radio frequency monitoring startup Kleos Space has filed for bankruptcy, due to launch delays, satellite development issues, and challenges with accessing capital
- Iceye Awarded 1st NASA Task Order Under Satellite Imagery Acquisition Contract
- Hyperspectral satellite startup Pixxel won a grant from the Ministry of Defence to manufacture miniaturized multi-payload (optical, SAR, infrared, hyperspectral) satellites for the Indian Air Force
- Space-related security and defence projects funded through the EDF
- Spire Global Extends Contract with NASA for Earth Observation Data
- Spire won a €16M contract from ESA to demonstrate a civil aviation tracking constellation that would not rely on any global navigation satellite system
- The US Space Force will receive $40 million for a pilot program to evaluate the use of commercial imaging satellites in support of military operations
- The US Environmental Protection Agency and the Department of Energy will provide more than $1B in funding to reduce methane emissions from the oil and gas sector, which includes tools to monitor methane emissions

- Download ESPI Perspectives
- Spire Posts Record Revenue, Loss Reduction in 2Q 2023 Just Before Planned Stock Split
- Young space firms are driving acquisition activity

Geospatial World Forum 2024 shall host a two-day program on GEOSPATIAL FOR CLIMATE: ACCELERATING THE TRANSITION TO A SUSTAINABLE GREEN ECONOMY.

- Funds Europe: SpaceTech investment breaks new record

List of capdev meetings at CEOSCopernicus—Capturing Earth art and inspiring artists

- Integrated Spatial Planning Workbook
- New e-course on Digital Sustainability for Climate Action
- Top Five Applications of Remote Sensing
- Top Five Applications of GeoAI

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July 2023

Corporate News

Thanks to contributions from ©Terrawatch Space

- Impact Observatory and Lanet Labs announce partnership
- Planet Announces AI Partnerships. The Role of AI in Mapping Conflict
- Planet Partners With the UAE Space Agency to Build Satellite Data-driven Loss and Damage Atlas for Climate Resilience
- Spire Global + Cloudeo join forces for global satellite-powered weather data

- Cities and regions outline their ambitions in view of COP28 and take stock of the Swedish Presidency's climate work. More
- Countdown for the launch of Singapore's earth observation satellite commences
- Draft GEO Post-2025 strategy that was sent for a consultation with the GEO Member States, Participating Organizations and Associates in June 2023 (Draft GEO Post-2025 strategy)
- EU Modernisation Fund invests €2.4 billion to accelerate the green transition in seven EU countries
- EU climate Advisory Board recommends ambitious 2040 climate target and urgent transitions for the European Union
- Nigeria, China to establish advanced technology to curtail natural disasters
- Powerful NASA-ISRO Earth-observing satellite coming together in India
- Spanish EU presidency
- The Growing Demand for Sovereign Space Systems

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- A Sustainable Planet in the Digital Age. New website here
- Drying Up in a Flash: What Satellite Data Can Tell Us about Flash Drought Risks and the Regions We Should Be Watching
- Earth Observation for integrated risk assessment, urban adaptation towards Climate Change
- EO Propels Global Sustainability Efforts - Geospatial World
- ERM & Planet: ERM and Planet Partner To Accelerate Nature-Based Solutions and Measure Biodiversity
- GHGSat at the White House Methane Summit. GHGSat's emissions intelligence platform, SPECTRA, was named as a finalist for Reuters 2023 Responsible Business Awards.
- How GHGSat tracks methane from space. Read More
- How Satellite Data Is Helping To Verify Food Distribution
- Kleos Space to File for Bankruptcy
- Maxar® Geospatial Platform released
- Nature, environment and climate action all winners in 2023 LIFE Awards
- Sonification of Aeolus
- One Year of Planet University and Community

- Safran to acquire Collins Aerospace's actuation + flight control business
- Spire Global + Cloudeo join forces for global satellite-powered weather data
- Successful demonstration of new emergency warning Satellite Service takes place in France & Germany

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- Global Webinar on The Future Geospatial Ecosystem: What is the Role of UN-GGIM? A recording of the webinar can be accessed here: https://youtu.be/4vRzWVshgJs
- GeoBuiz Europe Summit, scheduled 21 September 2023
- India Space Congress 2023
- Meet the Space Industry in Silicon Valley

List of capdev meetings at CEOS

- AE4RIA's participation in EAERE 2023!
- Materials (openly accessible) from ESA's training course on EO (+ an upcoming SAR course focusing on Polarimetric SAR Interferometry)
- Workshops explore data visualisation with Copernicus and EUMETSAT

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June 2023

Corporate News

Thanks to contributions from ©Terrawatch Space

- Ball Corporation, which owns Ball Aerospace, which has built several Earth science instruments for NASA/NOAA missions, is exploring a sale of the business unit for more than $5B
- BlackSky was awarded a multi-year contract worth more than $30M to provide on-demand, real-time high-frequency imagery services to an international defence sector customer
- Capella Space was awarded a multi-year agreement by NASA, with contracts that could be valued at $7M per call
- Fleet Space, which is building a constellation of IoT satellites to connect its proprietary tomographic sensors used for mining exploration applications has raised $33M in a Series C round
- Global Fishing Watch, a non-profit focused on monitoring global fishing was awarded a $60M contract by the Audacious Project for openly mapping and publishing human activity on the oceans
- GRASP Global, which plans to deploy a constellation of satellites for air quality monitoring launched its platform to provide air quality forecasting;
- Hydrosat is acquiring IrriWatch, a Dutch early-stage agriculture analytics startup
- IGN launched a new public-private partnership initiative to integrate solutions from EO startups into ecological mapping projects
- Kleos is joining hands with defense corporation General Atomics to derive insights from RF data
- Muon Space, a bespoke EO satellite provider, launched its first demonstration satellite and unveiled plans for its Climate Constellation
- Nuview, which aims to launch a constellation of lidar-equipped satellites has raised $15 million including from Leonardo DiCaprio. NUVIEW, which plans to launch a constellation of lidar-equipped satellites won a contract from the U.S. Department of Defense, worth $2.75M
- Orbital Sidekick and EOS Data Analytics, a Ukraine-based EO company that plans to launch a constellation of optical imaging satellites have received the first images from their recently launched initial satellite(s)
- Planet is partnering with the UAE Space Agency providing access to its data to build a regional loss and damage solution for climate change resilience; Planet also announced partnerships with AI data analytics providers - synthetic data startup, Synthetaic and South Korean startup SI Analytics
- Prométhée awarded a contract to French satellite player Hemeria, to supply the first satellite of its planned EO constellation, followed by an additional 20 satellites, all equipped with multispectral sensors
- Reask has raised $4.9M in seed funding to continue scaling its global risk mapping and forecasting products
- SatelliteVu, which aims to launch an EO satellite constellation to acquire thermal infrared data has raised $15.8M in a Series A-2 round
- Sidus Space, which offers space-as-a-service for EO announced that its satellite equipped with multispectral, hyperspectral and edge compute capabilities in 2024
- Spire announced that the two satellites which were launched on the SpaceX Transporter-8 mission were equipped with optical inter-satellite link payloads, aimed at reducing data latency and increasing data security;Spire is collaborating with BlackSky to build a maritime solution to automatically detect, identify and track vessels in real-time, fusing data from their two sensors - radio frequency (RF) and high-res optical imagery
- SkyFi is joining hands with very high-resolution, stratospheric imagery provider Near Space Labs. SkyFi, which offers an application for the on-demand acquisition of satellite imagery, has raised $7M in a seed round
- Tomorrow.io, a weather intelligence company building a constellation of satellites with precipitation radars and microwave sounders raised $87M in a Series E round (more, if you want to understand the weather market)
- Whereobots, a startup building a geospatial platform for enterprises closed a $5.5M seed round.

- China is using a nationwide satellite and automated monitoring system to protect nature (article piece)
- Copernicus: 25 years of European success
- Copernicus, the EU's flagship EO programme announced the launch of the Copernicus Health Hub, a one-stop-shop for all Copernicus data, products and information having to do with health
- GHGSat is partnering with UK's Satellite Applications Catapult to provide UK organisations with access to high-resolution methane emissions satellite data
- ESA and ECMWF outlined a new approach to better anticipate the outbreak of fires using data from the agency's SMOS mission to create the Fire Occurrence Probability Index
- GMES & Africa Strengthens Synergy with PolicyMakers to Address Climate Change Effects
- Russian space agency, *Roskosmos* has launched a radar-observation satellite that will be primarily used by the Russian military
- UK Space Agency Backs Satellite Applications Catapult, GHGSat Partnership for Methane Emissions Data Access
- UK's geospatial strategy 2030 document outlining the opportunity in geospatial and the plans for unlocking the power of EO
- *World Meteorological Organisation* (WMO) announced the launch of 'Global Greenhouse Gas Watch', an initiative that brings under one roof all space-based and surface-based observing systems for emissions, standardising the models and data assimilation methods

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- As greenhouse gas emissions reached an all-time high, a new study provides an update on the indicators of the state of the climate system and human influence, some of which uses EO data to compare the state of indicators used in IPCC's Sixth Assessment Report (AR6), published in 2021
- deep-dive that provides an excellent report on the state of forest monitoring and how advancements in EO will help improve it further;
- EU Maritime Security Strategy in this article published by GEOsmart Magazine.
- EO startup Impact Observatory announced the launch of IO Monitor, a global mapping and monitoring product to classify land use and land cover
- Earth observation SPACs seek best political and financial strategy
- ESA project will demonstrate how artificial intelligence could use satellite data to help certify organic cotton farms in India to prevent fraud;
- greenhouse gas (GHG) emissions, researchers found that of the 133 developing countries studied for progress towards providing regular GHG inventories, over half of them still struggle to report GHG emissionsGoogle Earth Engine became a key tool for monitoring deforestation around the world
- Google announced the global launch of its AI-driven flood forecasting platform, Flood Hub, which uses satellite data along with other sources
- Lightning Imager animations can be found in the media kit here.
- Iceye unveiled a new imaging mode that can distinguish human-made and natural objects and highlight moving vehicles, by having the satellite focus on an area for 25-seconds
- investigative article that shows how satellite data used by the non-profit Global Fishing Watch is used to catch illegal fishing
- The Copernicus Marine Service is organising a two-hour training workshop to help journalists and science communicators better appreciate the importance of Copernicus marine data in storytelling (piece)
- UNOOSA report on the role of space technologies in the world, which recently exceeded a population of 8 billion
- Vegetated Land Cover Characteristics (VLCC): A New Era of Land Monitoring
- Wildfires: article that tells you everything that you need to know about understanding wildfires
- WMO article that shows how the economic costs of weather-related disasters have rapidly grown but early warnings have saved lives;

- Climate risk analytics provider Jupiter Intelligence announced that Fannie Mae, a mortgage-backed securities firm will be integrating Jupiter's products for climate risk assessment

- MDA receives Canadian Government contract to assist in illegal fishing detection
- Northrop Grumman won a launch contract from the US Space Force to launch a small weather satellite that will demonstrate commercial weather imaging technologies for military use
- OroraTech and Spire Partner on Satellites to Track and Monitor Wildfires
- Serco was awarded a contract by ESA for the implementation of Europe's Destination Earth platform, an initiative to create the digital twin of the planet.
- US Defense Advanced Research Projects Agency (DARPA) awarded contracts to 4 companies - Umbra, PredaSAR, Northrop Grumman and Jacobs to demonstrate formation flying of SAR satellites and algorithms for processing of the imagery collected

- A new report by the United Nations Office for Outer Space Affairs (UNOOSA) and EUSPA highlights the many ways EU Space helps balance sustainable development with a rapidly growing global population.
- European Parliament's science and technology panel publishes annual report
- GeoBuiz 2023: Global Geospatial Industry Market Size, Forecast and Growth Trends Report
- Geospatial Industry Map 2023
- The stocks of Planet dropped by at least 25% after the company lowered annual revenue guidance from $248 million and $268 million to $225 million to $235 million for fiscal year 2024

- Unlocking the full potential of Earth Observation in Europe is the theme of EXPANDEO 2023, the annual conference of the European Association of Remote Sensing Companies (EARSC), which is taking place in Brussels 13 – 14 June.
- Intersolar Europe, the world's leading exhibition for the solar industry, is happening 13 – 16 June in Munich. Come learn how the industry is using EU Space to, for example, find the best location for placing solar panels.
- ESA Commercialisation Days event Transportation - 27 November 2023
- How do you innovate in uncertain times? EU Space can help! To learn more, join EUSPA at EBN2023, the largest gathering of European incubators, accelerators, science parks, innovation centres, and innovation supporters of all kinds. That's taking place 14 – 15 June in Brno, Czech Republic.

- Commission puts forward €13.6B research budget for 2024, with €12.8B for Horizon Europe
- EU Global Action from Space:SIGN UP FOR FREE
- Atlantic and Arctic sea basin lighthouse - Climate change and human activities (incl. invasive species) threats to marine biodiversity
- Danube river basin lighthouse – Demonstration of effective and sustainable management of sediments in the Danube river-Black sea system
- European Blue Parks – Protection and restoration solutions for degraded marine habitats
- European natural lakes: demonstration of integrated approaches to protection and restoration of natural lake ecosystems and their biodiversity
- Lighthouse in the Baltic and the North Sea basins – Green and energy-efficient small-scale fishing fleets
- Roadmap towards the integration of inland waters into the Digital Twin Ocea

List of capdev meetings at CEOS

Materials (openly accessible) from ESA's training course on EO (+ an upcoming SAR course focusing on Polarimetric SAR Interferometry)

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May 2023

Corporate News

EARSC, the European Association of Remote Sensing companies, is conducting an industry survey to map the state and health of companies providing EO services in Europe. Will you contribute?

- Airbus will also supply satellite imagery from its Pléiades Neo constellation to Nestlé for its reforestation efforts
- Albedo, another US-based EO startup won a $1.25M grant from the US Space Force - the company is launching a constellation of satellites into very low Earth orbit to collect high-resolution imagery (10 cm) and thermal data
- BlackSky, through its reseller Telespazio, will provide the Spanish region of Aragon with first-ever high-cadence, low-latency satellite imagery services
- LiveEO received an €800K grant from ESA to develop monitoring services for the forestry sector and insurers based on satellite data and AI
- CropX, an Israeli agtech startup that offers a farm monitoring solution based on data from in-situ sources and satellites raised $30M in Series C funding
- Hydrosat, a US-based EO startup raised $20M in private investment and government grants to acquire daily thermal infrared data for plant water stress monitoring among other applications
- Iceye has announced the Beta release of its Wildfire Insights product aimed at the insurance sector
- Maxar expects the first two of its Legion satellites to launch this summer providing high-resolution imagery (30 cm), and plans to add two more to the planned six-satellite constellation
- Maxar Goes Private After Advent International Deal Goes Through
- Nuview, a US-based startup that aims to launch LiDAR-equipped satellites came out of stealth mode, while also announcing that it closed its first round of funding last year and that it has also won a government contract
- Norwegian ground segment services firm KSAT was selected by the European Maritime Safety Agency to provide SAR monitoring services
- Planet and UAE Space Agency Forge Climate Change Partnership
- Planet Italia, an EO services company won two contracts worth €42M from ESA for the development of downstream services derived from data acquired through the future Italian satellite constellation IRIDE
- Planet and AXA Climate Extend Strategic Partnership to Drive Drought Insurance Program
- Satellite Vu closes Series A2 round + raises further million$$
- SAR satellite company Iceye signed an agreement with insurance solution firm Global Parametrics to provide flood data for parametric insurance
- SAR satellite firm Capella Space will supply imagery to LiveEO, a German EO startup for integrating into its disaster response solutions
- Satlantis has bought a majority stake in SuperSharp, a UK-based startup developing foldable thermal infrared telescopes
- Synspective, is partnering with Thailand's satellite operator Thaicom to provide real-time data for disaster management efforts
- SkyWatch won a $1.1M contract from the Canadian Space Agency to advance the application of AI for EO mission planning and data management and distribution
- Spire launched a weather insights platform specifically aimed at the maritime industry, powered by data from radio occultation satellites
- The shareholders of Maxar Technologies have approved the acquisition by private equity firm Advent International, for $6.4B

⭐ Thanks to contributions from ©Terrawatch Space

- After reporting the loss of its only EO satellite, Azerbaijan selected Israel Aerospace Industries to build two EO satellites
- Canadian Space Agency Awards Spire and OroraTech Wildfire Detection Contract
- China launched an advanced EO satellite, called Fengyun 3G, with precipitation radar among other instruments
- China has operationalised a satellite data-derived platform to monitor ecological zones, which include over 30 percent of the country's land area
- European Parliament has approved a new regulation that would ban goods linked to deforestation
- Eumetsat and ESA released the first images from the Meteosat Third Generation Imager 1 (or Meteosat-12) which should improve short-term weather forecasting thanks to its improved resolution and new sensors
- ISRO launched an EO satellite equipped with a SAR instrument, called TeLEOS-2 for Singapore
- Italy, through ESA, has ordered 34 EO satellites with optical, SAR and hyperspectral sensors as part of its IRIDE constellation, from a number of local companies, worth €1.1B
- Leonardo DRS launched a thermal imaging radiometer with Loft Orbital to measure the Earth's surface temperature from space
- UK Geospatial Commission has launched its commercial EO pilot project, together with Airbus Defence and Space, to provide access and test the use of EO data for up to 35 public sector organisations
- UK will launch a new SAR satellite called CarbSAR which will demonstrate Oxford Space Systems' deployable antenna

The Strategic Roadmap developed under the FIREFORUM project reflects the research and innovation strategy, with the EC and Member State funding agencies in mind as the prime audience. Download the pdf version of the road map for the following sectors

AGRICULTURE	**INFRASTRUCTURE**	**MARINE & MARITIME**	**RAW MATERIALS**	**URBAN DEVELOPMENT**	**WIND ENERGY**

- Accenture is collaborating with climate intelligence provider Cervest to provide climate risk information to its clients spanning across industries
- ESA launched WorldCereal, the world's first dynamic and open-source system to provide seasonally updated cropland and crop-type maps at 10-meter spatial resolution at a global scale
- Canadian Space Agency awarded a contract to EO startup OroraTech specialising in thermal infrared and Spire Global with its space-as-a-service offering to perform preparatory work for a wildfire-monitoring satellite
- Climate Engine launched SpatiaFi, a platform to provide private and public sector organizations insights into climate risks on Google Cloud
- CGI is working with UK's Ordnance Survey to develop a develop water pollution predictive tool using satellite data and AI
- Data from the EU's Copernicus programme shows that the ongoing wildfires in Alberta, Canada and in Siberia, Russia are worsening air quality and increasing carbon dioxide emissions.
- Deriving yearly global above ground biomass maps by combining data from JAXA's L-band SAR ALOS mission and ESA's C-band Sentinel-1 mission;
- How Apple Started Working with Satellite to Save Lives
- How Satellite Prevented a War for Water
- How satellites help wineries pick new climate-friendly sites
- ICEYE intros 1st-in-market satellite radar dwell capability
- LiveEO announced the launch of a solution to verify compliance of a supply chain with the EU's Deforestation Regulation (for selected commodities);
- methodology behind the first map of all trees in Africa created using data from Planet's EO satellites (paper)
- Microsoft's Planetary Computer integrated a new dataset on biodiversity called Biodiversity Intactness, derived by EO analytics firms Impact Observatory and Vizzuality
- NASA launched a new project called OPERA (Observational Products for End-Users from Remote Sensing Analysis) to provide data from multiple satellites for use by government agencies
- NASA partnered with the US Forest Service to build an inventory of the country's oldest trees, with ground data complemented by the GEDI mission
- NOAA is also setting up plans for the next generation of polar weather satellites following the successful Joint Polar Satellite System, called NEON
- open data by Jed Sundwall (blog)
- Observatory on "roof of the world" takes Earth's temperature
- Rocket Lab launched the first two of four satellites of NASA's TROPICS mission, which aim to provide hourly data on storms forming in the tropics
- Sticking to methane, the EU could push for a law that would require oil and gas companies in Europe to check their above-ground infrastructure every two-to-four months, and fix methane leaks they discover
- The EU-funded *Copernicus Philippines Programme* was launched to support the country with natural disaster monitoring and climate change adaptation
- The New Yorker published this interactive piece on the state of methane monitoring and the role of satellites such as MethaneSat
- Using data from French EO startup Kayrros, the Guardian reported that the methane emissions from the two main fossil fuel fields of Turkmenistan contributed more to global warming in 2022 than the entire carbon emissions of the UK
- Visualising Copernicus **Earth observation** data
- Weather intelligence firm Tomorrow.io announced the launch of a new solution that provides global precipitation forecast with a better (48-61%) accuracy for precipitation intensity compared to publicly-available products ;

- Apple announced an expansion of Restore Fund, its nature-based carbon removal initiative, the impact of which will be measured and monitored by EO - from providers such as Space Intelligence, Upstream Tech and Maxar
- EO platform startup Astraea launched satellite tasking capabilities allowing tasking of satellite imagery from providers like Planet
- EO platform startup SkyWatch is partnering with Urban Sky, a stratospheric balloon imaging startup to distribute their imagery through SkyWatch's data management and distribution platform, TerraStream
- A satellite from Terran Orbital Corporation, a US-based small satellite manufacturer, has enabled the demonstration of a space-to-ground optical link that successfully transmitted 200 gigabits per second
- Small Satellite Market to Worth USD 12.02 Billion by 2029
- Space-as-a-service firm Sidus Space signed a partnership agreement with Indian edge-computing startup SkyServe
- Spire Global reported $24.2M in revenues for the same period, a 34% YoY increase with contracts across its aviation, maritime and data businesse

- Airbus won a one year long pilot contract from the UK Geospatial Commission to provide public sector from 35 organisations with access to commercial, high resolution satellite EO data
- AXA Climate extended its strategic partnership with Planet specifically for the use of one of its Planetary Variables - Soil Water Content
- BlackSky reported $18.4M in revenues for Q1 2023, a 32% year-over-year (YoY) increase with contracts from government defense agencies
- BlackSky and Spire Collaborate to Offer Maritime Custody Service
- In its financial results for 2022, Satellogic reported that it made $6M in revenue and targets $30M to $50M for 2023
- L3Harris won a contract from NOAA valued at $275.2M to continue providing ground services for the GOES-R series of weather satellites
- Planet Labs Stock: Well-Positioned In A Growing Market (NYSE:PL)
- SSC awarded 2.26M€ contract by ESA for second phase of the optical ground network initiative NODES (https://sscspace.com/)
- SITAEL, an Italian small satellite manufacturer signed a contract with ESA to build four EO satellites with hyperspectral sensors as part of Italy's IRIDE EO satellite constellation
- 3D geospatial platform, Cesium signed a research agreement with the US National Geospatial-Intelligence Agency to explore the use of 3D data

- Size of the Prize: Assessing the Market for Edge Computing in Space

- National Workshop on "Earth Observations for Climate Services" - ISRO

- Amazon Web Services selected 14 startups for the 2023 AWS Space Accelerator including 4 EO startups

    - *GRASP*, which aims to build and launch an EO satellite constellation with air pollution monitoring sensors
    - *Kawa Space,* a geospatial intelligence startup
    - *Little Place Labs,* an edge computing startup
    - Lunasonde, which aims to launch an EO satellite constellation with radars for subsurface imaging of the Earth, the Moon and beyond
- Investment firm Seraphim Space selected nine startups to be part of its accelerator program, including two EO firms

    - An Indian startup, *GalaxEye Space,* which aims to launch a constellation of multi-sensor (multispectral + SAR) satellites
    - *EarthEye*, a startup from Singapore, which is building an EO platform for ordering and processing satellite imagery

- EO non-profit Radiant Earth (previously Radiant Earth Foundation) has announced the launch of two initiatives:

    - *Source Cooperative*, a data publishing utility to make it trivially easy for geospatial data providers to make data products available on the Internet;
    - *Cloud-Native Geospatial Foundation* to increase adoption of highly efficient modern data sharing best practices;
- EU Global Action from Space: This initiative by the European Commission supports cooperation between EU Space companies and players from more than 110 countries globally. The EU Global Action on Space is targeted explicitly towards stakeholders from your country to benefit from the European Space Programmes (e.g., on Earth Observation, Satellite Navigation), its data, and services by supporting the set-up, strengthening, and deepening of international collaborations with the goal to reach commercial agreements.

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List of capdev meetings at CEOS

Materials (openly accessible) from ESA's training course on EO (+ an upcoming SAR course focusing on Polarimetric SAR Interferometry)

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Apr 2023

Corporate News

EARSC, the European Association of Remote Sensing companies, is conducting an industry survey to map the state and health of companies providing EO services in Europe. Will you contribute?

- Airbus Intelligence has partnered with TerraNIS to export Farmstar, its precision farming and crop monitoring service, outside of France
- Albedo launching very-high-resolution optical imagery instruments along with thermal infrared sensors
- CollectiveCrunch, a Finnish startup building sustainable forestry platform using satellite data among other sources raised €1.4M
- Iceye and Satlantis proposing the Tandem4EO constellation to Spain, made up of optical and radar satellites
- Impact Observatory, a US-based startup building global land cover maps from EO data raised $4.9M in seed funding, from investors including Esri
- Galaxeye Space launching a satellite with SAR and optical sensors
- Maxar partnering with Umbra for access to high-resolution SAR imagery and acquiring Aurora Insights for radio frequency signal monitoring
- Meta released its Segment Anything Model that automatically extracts objects from images, with huge potential for processing satellite data
- NASA awarded Iceye with a contract to provide high-resolution SAR (1m to 15m) data for evaluation within the Commercial SmallSat Data Acquisition program, which includes Planet, Spire & Maxar as suppliers
- Planet to enhance their data analysis platform through the acquisition of Sinergise tech. Planet reported record Q4 earnings bringing in $53M and also announced its plans to acquire Sinergise, an EO data platform from Slovenia. Planet is partnering with EO platform startup Ursa Space allowing access to its daily imagery on Ursa's platform and with environmental software startup Upstream Tech offering subscriptions to its basemap product. Planet is also collaborating with The Nature Conservancy to build Blue Carbon Explorer, a digital tool to map mangrove and seagrass blue carbon around the world. Planet diversifying into hyperspectral with Tanager instruments
- SatelliteVu, the UK-based thermal infrared satellite startup received £300K in public funding from the Energy Entrepreneurs Fund for research on using their datasets for commercial solar farm monitoring
- Satellogic will be building and launching, what looks like, a hyperspectral sensor to orbit designed in collaboration with agtech firm InnerPlant
- Sidus Space, a startup offering EO solutions through a space-as-a-service model is partnering with SatLab to integrate its automated identification system technology into the LizzieSat multi-sensor satellite constellation
- Tomorrow.io launching precipitation radars and microwave sounders
- UK startup Space Intelligence which builds carbon monitoring solutions from EO data is partnering with Everland, a company that manages the world's largest portfolio of forest conservation projects

- Australia's national science agency, CSIRO, launched AquaWatch Australia, a a 'weather service' for water quality leveraging EO data
- China's hyperspectral Earth observation satellite put into use. China launched four X-band synthetic aperture radar satellites from private company Piesat Information Technology Co. Ltd. focused on interferometry applications
- China released public images from one of their more recent satellites, with a thermal infrared imaging instrument, and a hyperspectral imager, aimed at monitoring greenhouse gases and environmental applications
- DEWA's SAT-2 6U nanostatellite to launch in April
- Digital Earth Africa, the EO platform for Africa has received additional funding for three more years from its original donors
- Dubai's Electricity and Water Authority will launch an EO satellite, Dewa Sat-2, with a multispectral sensor after the first mission Dewa Sat-1, which had an IoT sensor, for planning, operation, and maintenance activities
- Kenya set to launch its first earth observation satellite. Kenya Space Agency to Launch First Operational 3U EO Satellite. Kenya will launch an EO satellite, designed and developed by SayariLabs, a Kenyan startup, on SpaceX's upcoming launch
- NASA Administrator Bill Nelson claimed that the proposed spending reductions for US fiscal year 2024 could lead to cancellations of planned EO missions in the Earth System Observatory program
- Norway's International Climate and Forest Initiative (NICFI), which provides open access to high resolution satellite imagery of the world's rainforests has been extended by a year, until September 2024
- UAE and China have signed an MoU to advance meteorological technologies including satellite-based monitoring and China's FengYun program
- The European Commission launched the first-ever EU Space Strategy for Security and Defence, which includes a pilot for new EO governmental service as part of the evolution of Copernicus

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AGRICULTURE	**INFRASTRUCTURE**	**MARINE & MARITIME**	**RAW MATERIALS**	**URBAN DEVELOPMENT**	**WIND ENERGY**

- BlackSky commissioned its newly launched satellites in less than a day, and integrated the data into its geospatial intelligence platform
- dashboard of dashboards with climate-related indicators
- Data from NOAA showed that greenhouse gases (carbon dioxide, methane and nitrous oxide) continued to rise rapidly in 2022, Data from NOAA also showed that the average ocean surface temperature at the beginning of April rose to unchartered levels potentially risk of extreme weather events due to climate change
- Data from ESA's Soil Moisture and Ocean Salinity mission showed low levels of soil moisture across Europe (see an example from France below) raising concerns about water supply, agriculture and energy production.
- Digital earth: yesterday, today, and tomorrow
- ESA's SMOS, CryoSat and Swarm missions, which monitor soil moisture, ice and magnetic field respectively among other parameters, have been extended at least until the end of 2025
- ESA's HydroGNSS mission, which planned to measure climate variables like soil moisture using a technique called Global Navigation Satellite System (GNSS) reflectometry, will now be made up of two satellites (instead of one)
- Former NASA scientist and executive has joined the satellite image processing service unit launched by consulting firm, EY
- Hyperspectral Imagery, the technology and its applications
- UNEP MARS, will detect at least 40-50 episodes a month and make them public, with data provided by French startup, Kayrros and the Netherlands Institute for Space Research (SRON)
- Maxar announced an update to its global basemap, which will now be available at 30 centimeters per pixel. Maxar is also diversifying into imaging other satellites providing data for space situational awareness - here's an image of Landsat 8 from a Maxar satellite (joining companies like HEO Robotics and AxelSpace)
- NASA's GEDI mission, which collects LiDAR data from the ISS, was put in hibernation, but will continue to be operational until at least 2030
- paper summarising the considerations of EO and artificial intelligence for building agriculture solutions in Sub-Saharan Africa.
- Report from the UN found that more people are being affected by more disasters because decision-makers are failing to invest in risk mitigation
- Spire Global receives NRO contract for RF data
- The Surface Water and Ocean Topography mission from NASA and CNES, which suffered a minor setback is now working as expected and downlinked its first images of water on the planet's surface;
- Tomorrow.io announced the launch of 'Gale,' the first generative AI product (think ChatGPT) dedicated to weather and climate for businesses and governments to easily identify key trends, risks and opportunities

- BlackSky launched two high resolution optical imagery satellites with Rocket Lab, marking an end to its Gen-2 version (90 cm), before moving onto its Gen-3 satellites (50 cm) from 2024
- China launched four commercial weather satellites with GNSS radio occultation instruments, part of the Tianmu-1 constellation
- Descartes Labs was selected to be one of the technology partners by Comtech, a satellite telecommunications solutions provider
- Space Security Company True Anomaly Emerges From Stealth With $30M In Financing
- Spire entered into a long-term agreement with Switzerland-based ch-aviation, an airline insights platform to supply global flight analytics from its constellation of satellites with ADS-B sensors. Spire Global and PlanetiQ, both flying radio occultation instruments, won follow-on Indefinite Delivery Indefinite Quantity contracts by NOAA to compete for orders worth $59M
- The satellite launch vehicle market size is projected to grow from USD 15.7 billion in 2022
- The US National Reconnaissance Office awarded contract extensions to Aurora Insight (now owned by Maxar), HawkEye360, Kleos Space and Spire to evaluate radio-frequency data from their satellites (it looks like Terran Orbital and Umbra missed out after they were selected last year)
- The UK Geospatial Commission released a new digital map of underground pipes and cables in the UK
- The TEMPO (Tropospheric Emissions Monitoring of Pollution) instrument from NASA aimed at measuring air pollution in North America, will launch later this week hosted on an Intelsat communication satellite

- D-Orbit's IRIDE satellite observation program receives €26-Million contract with ESA. D-Orbit, the Italian space logistics company signed a contract with ESA worth €26M to supply and operate one SAR satellite as part of the IRIDE constellation program of Italy (Thales Alenia Space was another awardee)
- Google awarded a $5M grant to the World Resources Institute as part of its Impact Challenge to study extreme heat and adaptation techniques, a project that will use EO among other sources
- Measat Wins New Oil and Gas Deal in Malaysia
- NASA Awards Iceye 5-Year Blanket Purchase Agreement
- NOAA has requested $6.8B in funding for FY 2024, an increase of roughly $450M for future weather satellite programs after reduced funding in 2023
- Thales Alenia Space won a contract from ESA to supply five SAR satellites and one optical satellite for the Italian EO constellation, IRIDE, worth €142M along with options for more orders
- US' National Reconnaissance Office awarded six study contracts worth $300,000 each for hyperspectral satellite imagery to BlackSky, HyperSat, Orbital Sidekick, Pixxel, Planet, and Xplore;
- vorteX-io, a French startup received (*in French*) a grant of €2.5M from the European Innovation Council to create the first European flood and drought forecasting service with in-situ monitoring sensors

- IPCC report, look no further than this piece from CarbonBrief
- Geospatial Artha: Indian Geospatial Industry Outlook Report 2022,
- report presenting the importance of geospatial data for finance

- Airbus Intelligence webinar: Two-Pronged Approach: How Industries Are Using Diverse EO Datasets to Efficiently Improve Insights
- Belgian Earth Observation Day 2023
- Indo-Pacific GeoIntelligence 2023
- Up and above event will take place on 19 April in Brussels
- online event from Geoawesomeness on EO for deforestation regulation.
- 2nd ISDE International Lectures with the theme of "The Digital Earth(s) of Citizens"
- 13th International Symposia on Digital Earth will be held from 11th to 14th July, 2023 in Athens, Greece (here)

Results of 2021 Horizon Europe Calls

- A SAR satellite from Iceye, purchased with the donations from Ukrainians, has helped detect and destroy thousands of pieces of Russian military equipment in five months of use
- Corteva Agriscience, one of the leading agriculture firms is collaborating with Ukrainian EO company, EOS Data Analytics to research the use of satellite imagery for crop monitoring applications
- Japanese EO company Axelspace announced partnerships with Space Compass, a venture building space data relay networks and Tokio Marine Holdings, an insurance firm, along with a new round of undisclosed funding

List of capdev meetings at CEOS

Materials (openly accessible) from ESA's training course on EO (+ an upcoming SAR course focusing on Polarimetric SAR Interferometry)

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 contributions from Terrawatch Space

Mar 2023

Corporate News

EARSC, the European Association of Remote Sensing companies, is conducting an industry survey to map the state and health of companies providing EO services in Europe. Will you contribute?

- Airbus signs agreement with TerraNIS to export Farmstar in Europe. To learn more about Farmstar, click here.
- Asterra, the Israeli startup that offers an infrastructure monitoring platform providing insights from SAR imagery is looking to launch its own L-band SAR satellite
- Capella Space signed a multi-launch deal with Rocket Lab to launch four of their 'Arcadia' SAR satellites (possibly to replace these five falling birds).
- Capella Space announced the launch of its Analytics Partner Program to promote use of SAR data from their satellites, starting with three partners - Woolpert, Kayrros and Floodbase;
- Chloris Geospatial, a startup using satellite data to measure forest carbon closed a seed extension round from investors including AXA Investment Managers among others
- EO company Ursa Space, which focuses on data fusion with SAR, has added space-based radio frequency data from Kleos Space to its platform
- NV5 Global, a geospatial consultancy has acquired Axim Geospatial, a geospatial solutions provider in the defence and intelligence sectors.
- Orbital Insight, an EO platform company, has partnered with Carahsoft, IT solutions provider to provide geospatial data analytics to the public sector
- Ubotica slashes satellite data overload with on-board AI solution
- Topolytics, a UK-based that uses satellite imagery among other sources for its waste management platform raised €1.7M.

- Data act: member states agree common position on fair access to and use of data
- Egyptian Space Agency has an EO satellite to its fleet, Horus-1, built and launched under strategic cooperation between Egypt and China
- EUMETSAT expert on the significance of satellites for flood and drought monitoring (interview)
- EU Space Programme is an essential tool for sustainable forest management
- Guyana Ministry of Natural Resources has signed a three-year contract with Maxar to provide imagery and insights for environmental monitoring;
- IRISS, the EU's forthcoming satellite communications constellation, will soon compliment Galileo and Copernicus by providing independent, secure, resilient, cost-effective and seamless communication services. Read more in this article by Space.com.
- NATO is launching a new initiative to streamline the process of gathering, disseminating, and distributing satellite data for use by its members;
- The Canadian Space Agency awarded ten contracts worth $6.8M to five different companies in the country for EO-related R&D projects.

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- ARMSAT_1 made by Satlantis is the best small satellite for Earth observation
- BlackSky, Planet, Pixxel, and Others Win NRO Hyperspectral Study Contracts
- Criticism: use of Earth observation data in reporting forest levels for the Global Stocktake process (paper)
- EO company BlackSky has discovered details about China's secret naval base in Cambodia using data from their satellites
- ESA released this video on the state of the ozone layer, its recovery and the role of satellites in monitoring it, including ESA's upcoming Altius mission
- ESA - Using a data cube to monitor forest loss in the Amazon
- Generation Space Index 2022: Investing in the Future of Space
- golden age of Earth observation is here
- Hyperspectral imagery (+ more) from the first satellites of Pixxel
- First large-scale Saharan dust transport of 2023 was recorded in mid-February. The Copernicus Atmosphere Monitoring Service (CAMS*) has been monitoring the situation with forecasts predicting an episode of lo ng-range Saharan dust transport across the Iberian Peninsula and France towards northern and central Europe.
- Generation Space Index 2022: Investing in the Future of Space
- One more way AI can help us harness one of the most underutilized datasets in the world
- Participate in the Global Geospatial Industry Outlook Survey and play a critical role in defining the geospatial knowledge economy of tomorrow.
- Small Size, Big Impact: Mapping Small Woody Landscape Features Across Europe
- Swiss Company Processes SAR Data to Develop Innovative EO Solutions
- The International Energy Agency published bad news about the state of methane emissions in 2022 with the Methane Tracker database, which integrates satellite measurements from EO companies, GHGSat and Kayrros
- Time to Put Satellite Imagery at the Fore of the Climate Fight
- Ubotica slashes satellite data overload with on-board AI solution
- water is measured from space (piece)

- Microsoft announces Azure Orbital Space Software Development Kit, software tools to make it easy for developers to create space applications in the cloud and deploy them on spacecraft operated by Azure Orbital partners - Ball Aerospace, Loft Orbital, Thales Alenia Space and Xplore
- Near Space Labs will provide imagery from their stratospheric balloons to property risk insurtech firm Tensorflight.
- Small satellite integrator, Open Cosmos will be launching a multimodal satellite with IoT-EO sensors later this year for the Andalusian (Spain) state
- Thermal infrared startup, ConstellR signed a multi-launch contract with launch service provider ExoLaunch for launch of their satellites in 2024
- Space-as-a-service company, Sidus Space has partnered with edge computing startup Exo-Space to provide edge AI capabilities into its planned satellite constellation;
- World Meteorological Organization will be running an Uncrewed Aircraft Systems to evaluate the use of drones for filling in atmospheric gaps in weather forecasting and monitoring;

- Airbus Defence and Space won a contract from Angola for their first Earth observation satellite, continuing the trend of sovereign EO globally
- EarthDaily Analytics was awarded a $1M Canadian Space Agency to enable analytics-ready thermal detection calibration and processing;
- Maxar was awarded a contract by the US Army worth 'tens of millions of dollars' to provide geospatial data to construct 3D virtual models of Earth
- Satellite IoT company, Astrocast was selected by Swiss Polar Institute to provide connectivity for for remote snow, glacier, and permafrost monitoring stations in Central Asia
- TCarta expands role in Seabed 2030 Ocean Survey Project

- Belgian Earth Observation Day 2023
- Indo-Pacific GeoIntelligence 2023
- online event from Geoawesomeness on EO for deforestation regulation.
- 2nd ISDE International Lectures with the theme of "The Digital Earth(s) of Citizens"
- 13th International Symposia on Digital Earth will be held from 11th to 14th July, 2023 in Athens, Greece (here)

- CASSINI Business Accelerator will be a six month space tech programme offering top-level business & investment coaching, training and seed funding to improve startup and scaleup companies' ability to achieve sustained commercial growth in upstream and downstream space applications.
- CASSINI is the European Commission's initiative to support entrepreneurs, start-ups and SMEs in the space industry, including New Space, during 2021-2027.
- Connecting Land and Sea for Global Awareness: The OGC Federated Marine Spatial Data Infrastructure Pilot 2023 Calls For Participation
- COSMOS4HE organised an online Brokerage Event in conjunction with Cluster 4 Info Day to facilitate consortia building for **Space calls 2023**. Check partner profiles for Space calls here.
- Lump Sum in Horizon Europe on the Funding & Tenders Portal
- That's how many open procurement opportunities are currently available on the EUSPA website.

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List of capdev meetings at CEOS

- course on the applications of SAR data, by a SAR expert
- GW Consulting Knowledge Hub
- ROAD MAP for the sector

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contributions from Terrawatch Space

Feb 2023

Corporate News

- EARSC, the European Association of Remote Sensing companies, is conducting an industry survey to map the state and health of companies providing EO services in Europe. Will you contribute?
- Asterra announced the launch of their EO Discover platform, a software application for the infrastructure sector, powered by EO. the Israeli startup that offers an infrastructure monitoring platform providing insights from SAR imagery is looking to launch its own L-band SAR satellite (more on this below);
- AiDash, the EO-based infrastructure monitoring company is launching an energy grid resilience product together with Schneider Electric
- Capella Space announced the launch of its Analytics Partner Program to promote use of SAR data from their satellites, starting with three partners - Woolpert, Kayrros and Floodbase;
- Drone imaging firm, Zeitview (formerly DroneBase) raised $55M, positioning itself as complementary to and competing with satellite imagery.
- Element84 has acquired Azavea, bringing together two organisations that quietly work together in the background to make geospatial data easier to process, analyse and visualise through open-source innovation;
- Maxar is on track to being acquired by Advent International, the private equity firm for $6.4B, after receiving no competing offers;
- Maxar is partnering with Umbra to receive dedicated access to SAR imagery, enabling Maxar to provide multi-source geospatial intelligence solutions for governmental and commercial customers;
- NV5 Global, a geospatial consultancy has acquired Axim Geospatial, a geospatial solutions provider in the defence and intelligence sectors.
- Open Cosmos MENUT Satellite Sends First EO Images
- Orbital Insight, the EO platform company, reported that it has secured new global customers for its recently released Terrascope product, while also quietly announcing that it has raised a new round of undisclosed funding;
- SatSure, a vertically integrated EO company from India raised an undisclosed amount in strategic investments from the country's major banks - ICICI Bank, Kotak Mahindra Bank, and HDFC Ltd.
- SatelliteVu, the UK-based EO company, building thermal infrared satellites announced that it has secured £81 million worth of purchase options from 30 companies for their Early Access Programme.
- World View is positioning itself as an EO company in their SPAC investor presentation

- Bayanat and Yahsat develop earth observation capabilities
- EU to inject €3.75B into venture capital funds to help companies scale up
- ESA signs Cooperation Agreement with Mexico
- ESA launched the beta version of the Green Transition Information Factories platform aimed at providing tools for green transition derived from EO data;
- ESA released this video on the state of the ozone layer, its recovery and the role of satellites in monitoring it, including ESA's upcoming Altius mission;
- GHGSat is collaborating with the International Energy Agency to integrate facility-level emission data into Global Methane Tracker 2023;
- Egypt Launches Earth Observation Satellite, Horus-1
- Sentinel-4, aimed at monitoring global air quality, is set to be integrated to its host, the Meteosat Third Generation Sounder weather satellite.
- Science for a Europe fit for the digital age
- NATO is launching a new initiative to streamline the process of gathering, disseminating, and distributing satellite data for use by its members;
- The 2022 UN Biodiversity Conference (CBD COP 15) adopted the long-awaited Global Biodiversity Framework (GBF)
- UAE's largest satellite company, Yahsat and the country's space research centre, MBRSC, are partnering to build EO solutions for Yahsat's customers;

- Accelerating Africa's Sustainable Development with Geospatial Intelligence
- AiDash, the EO-based infrastructure monitoring company is launching an energy grid resilience product together with Schneider Electric
- Atlas Space Operations, a ground software as a service company has joined the AWS Solution Provider Program to expand its ground station network
- Artificial Intelligence is the Future of Geospatial Analysis
- Azerbaijan adds mine data to geoinformation digital system
- Boosting market traction for agri-monitoring service - European Space Agency
- Global Top 100 Geospatial Company of 2023
- case study from ESA showing how the Italian road agency uses EO (specifically SAR from Sentinel-1) to monitor and maintain roads
- Challenges with energy demand and supply
- Defra Earth Observation Centre of Excellence
- EUSI Very High Resolution satellite imagery over several areas in Turkey Link to Image Gallery. Link to imagery gallery
- Enhancing traceability and tracking in aquaculture and fisheries supply chain through
- Esri has launched a new app, Sentinel-2 Land Cover Explorer, to easily view and analyze global land use changes, particularly aimed at policy makers;
- Esri joining the Overture Maps Project
- Esri collection presenting the use of geospatial for all the UN SDGs:
- How companies are using EU Space to bring new hope to disaster response, recovery and mitigation efforts.
- How Google uses satellite imagery for real-time wildfire tracking
- How Sylvera measures Forest Biomass;
- how water is measured from space;short piece
- interview with an EUMETSAT expert on the significance of satellites for flood and drought monitoring;
- Interoperability and Collaboration from Oceans to Space
- Maxar Signs Deal for Dedicated Access to Umbra's SAR Constellation
- MDA Makes Satellite Contract Breakthrough in Argentina
- Monitoring sewage from space
- Orbital Insight launched the TerraScope geospatial intelligence platform
- OroraTech, the EO startup building wildfire monitoring thermal infrared satellites announced the launch of an on-orbit processing technology that can detect and send fire notification alarms to customers within 3 minutes;
- Planet SkySats capture images of the major earthquake in Turkey
- Satellite in the Wild: How the Smithsonian and Iridium Track Animals from Space
- Sateliot Collaborates with Sentrisense on New Space Technology
- Satellites enable disaster management for unprecedented Australian floods
- Satellite Images Show the Real Picture of Turkey Earthquake
- Space Compass and Skyloom to bring first GEO optical data relay services over Asia to the Earth Observation market
- The International Energy Agency published bad news about the state of methane emissions in 2022 with the Methane Tracker database, which integrates satellite measurements from EO companies, GHGSat and Kayrros;
- This paper showing the limited use of Earth observation data in reporting forest levels for the Global Stocktake process;
- UK Local Authority Projects Use GIS to Modernize Plannings
- UK to Launch New Transport Decarbonisation and Resilience Hub

- Airborne Surveys Launched in Chile to Detect Sources of Methane
- Atlas Space Operations, a ground software as a service company has joined the AWS Solution Provider Program to expand its ground station network
- Axelspace develops a Ka-band radio for EO smallsats
- BlackSky, Inmarsat and Addvalue accelerate Earth Observation (EO) with IDRS™
- Crop Hunting Drones Help Police Bust Illegal Drug Farms
- Drones for Agriculture in India
- German wildfire monitoring startup, Dryad, which raised funding last year for early wildfire detection by monitoring environmental variables using IoT.
- John Deere announcement in January that they were "finalising a satellite partner" in order to build a geospatial map that farmers can use to better track productivity and the performance of crops.
- Location Technologies Transforming Retail and Commerce Industry
- Large number of launches planned
- Maxar launched a high-performance, digital twin SYNTH3D for metaverse, gaming, virtual reality applications. Maxar will also be teaming up with H eavy.ai, Bain, and NVIDIA to provide high-frequency, high-resolution digital twins for communication service providers enabling greater efficiencies in network deployments.
- Number of geostationary satellites hosting an EGNOS payload.
- Orbital Insight expands global customer base with TerraScope platform rollout
- Small satellite integrator, Open Cosmos will be launching a multimodal satellite with IoT-EO sensors later this year for the Andalusian (Spain) state;
- Synspective, Terra Insight Announce EO Monitoring Solution for Mining Industry
- SpaceQuest Ventures invests in Kreios Space and welcomes them into accelerator program. Click here
- Space Compass, a Japanese joint venture between NTT and SKY Perfect JSAT, is partnering with Skyloom to provide optical data relay services for EO missions, aiming to reduce the data downlink latency to seconds;
- The 10 Hottest Satellite Companies in 2023

- EarthDaily Analytics was awarded a $1M Canadian Space Agency to enable analytics-ready thermal detection calibration and processing;
- French AI/EO startup Preligens is aiming for success with the US DoD after winning contracts from the French defence ministry (*in French*);
- Maxar Technologies was awarded an indefinite delivery, indefinite quantity contract by the National Geospatial-Intelligence Agency, worth up to $192 million over five years
- The Guyana Ministry of Natural Resources has signed a three-year contract with Maxar to provide imagery and insights for environmental monitoring;
- Techstars announced their first cohort of startups in Saudi Arabia, which includes several EO startups: Airmo, Kawa Space, SARsatX and SMSNR.
- India's three major banks ICICI Bank, Kotak Mahindra Bank, and HDFC Ltd investing in SatSure;
- Peraton, a US-based defence contractor won a ~$400M contract from NOAA to provide ground services for polar-orbiting JPSS weather satellites;
- Two major energy companies, Williams and ONEOK, investing in Orbital Sidekick;

- EURACTIV Europe's aspirations for its space programme.
- Seraphim Space Report Shows Investors are Shopping for Seed-Level Startups

- Belgian Earth Observation Day 2023
- Copernicus gets sibling— IRIS², the new EU Secure Communication Constellation
- Indo-Pacific GeoIntelligence 2023
- online event from Geoawesomeness on EO for deforestation regulation.
- 2nd ISDE International Lectures with the theme of "The Digital Earth(s) of Citizens"
- 13th International Symposia on Digital Earth will be held from 11th to 14th July, 2023 in Athens, Greece.

- Bringing precise positioning to the mass market with the Galileo High Accuracy Service (HAS). Join the UNION Technology Workshop & Demonstration to find out how!
- CASSINI Business Accelerator will be a six month space tech programme offering top-level business & investment coaching, training and seed funding to improve startup and scaleup companies' ability to achieve sustained commercial growth in upstream and downstream space applications.
-

- Marking a year of Russia invading Ukraine, the Economist published an interactive piece which uses satellite data to show the impacts of the war.

- List of capdev meetings at CEOS
- Training Data for GIS Applications of Machine Learning
- Want to learn how Copernicus can address the unique needs of anticipatory humanitarian action initiatives? Then be sure to join us on February 15 for a webinar on Copernicus data and services within humanitarian aid applications.
- webinar on Copernicus data and services within humanitarian aid applications.
- What are the Five Free Sources of LiDAR Data?
- What is Digital Elevation Model or DEM?

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⭐contributions from Terrawatch Space

Jan 2023

Corporate News

- Betterview partners with ICEYE to help insurers
- Capella Space, raised $60M in growth equity financing from the U.S. Innovative Technology Fund to scale its SAR satellite constellation.
- EarthOptics, raised $27M to expand its soil sensing and data platform.
- EOSDA launches its first agri-focused satellite from a SpaceX rocket.
- Kayrros to supply UNEP International Methane Emissions Observatory with global detection capacity
- Kuva Systems, building methane emissions imagery platform closed a $11.3M in Series A funding.
- New data platform to host Copernicus Earth observation data
- Planet completed the acquisition of Salo Sciences, which should accelerate the deployment of their forest carbon monitoring system (+ my thoughts).
- Satellogic provided a business update, where it decreased revenue projections, resulting in layoffs and delays in construction of a new factory.
- Spanish space companies Elecnor Deimos, Alén Space, DHV Technology and Satlantis, are joining hands to build the Atlantic EO constellation.
- The US National Geospatial-Intelligence Agency (NGA) awarded Maxar Technologies new contract awards worth up to $35.8 million.

- AUC Inaugurates the African Space Agency
- Can European Space Agency Replace Russian Technologies?
- Climate Council's Key Takeaways from COP27
- EU and Japan to improve Earth observation data through Copernicus. The European Commission and Japan Partner for EO Data
- EU – AU cooperation in the climate change and energy space
- EU and the Philippines in 2023
- ESA and the European Commission uniting on Earth observation for the Philippines
- EUSPA Extends Cooperation with CNES for the Galileo SAR Services
- India notified the national geospatial policy 2022. Charting the Trajectory of India's Promising Geospatial Sector
- Israel Launches Super-Advanced Observation Satellite
- Japan-EU Space Policy Dialogue
- How Copernicus helps local and regional authorities
- Mexico is asking India for assistance on a remote sensing satellite.
- New (centralised), data platform for hosting data from the Copernicus programme has been launched.
- NASA Selects Nine Technologies for Commercial Flight Tests
- Poland Orders Two Military Observation Satellites From Airbus
- Remote Sensing for Community Development in Asia and Beyond
- Rwanda and Planet Labs Engage In Discussions Towards the Cross-sectoral Application of Satellite ImagerySpanish Ministry of Defence contracts Indra for Spanish airspace surveillance + control centers

- Africa: COP27's 'Loss and Damage' Fund for Developing Countries Could Be a Breakthrough – or Another Empty Climate Promise
- Biodiversity and Artificial Intelligence
- EnMAP enters routine operations.Read more...
- Esri and Microsoft collaborate on sustainable agriculture in Africa
- Indigenous territories and protected areas are key to forest conservation
- hyperspectral view from space
- ESA is collaborating with Sinergise to encourage development of EO solutions with a free one-year enterprise-level subscription for Sentinel Hub.
- Future-proofing ice measurements from space
- MyRadar expands wildfire detection with NOAA funding
- New study highlights the need for urgent action to reverse runaway light pollution
- New UK Satellite To Monitor Oceans Launched Into Space
- New data platform to host Copernicus Earth observation data
- NorthStar raises $47 million CAD Series C round for expected satellite launch in mid-2023
- Planet Labs plans to launch 36 SuperDove smallsats with SpaceX
- Pléiades Neo: The Most Detailed & Accurate Commercial Satellite Imagery. Airbus Signs Deal to Build 2 EO Satellites for Poland Based on Pléiades Neo
- UQ's Sustainable Minerals Institute to push limits of drone-based hyperspectral imaging tech
- Radar images capture new Antarctic mega-iceberg -
- SAR satellite company Synspective has partnered with Insight Terra, to develop a space enabled monitoring solution for the mining industry.
- Satellite data shows sustained severe drought in Europe
- Satellite constellation to support sustainable agriculture with high-resolution multispectral imagery
- Satellite Imagery of California's Atmospheric Rivers
- Satellite constellation to support sustainable agriculture with high-resolution multispectral imagery
- Synspective and GCRS partner for satellite-based risk analysis solutions
- Synspective's SAR and Insight Terra provide space-enabled data and monitoring of mine tailings facilities
- UN Environment Programme – COP27 ends with announcement of historic loss and damage fund
- World's first agri-focused satellite prepares for launch from Cape Canaveral
- What are the Five Types of Geographic Data? - Geospatial World
- 2022 A Year in Review through Satellite Imageries

- AAC Clyde Space to be part of first European Space Situational Awareness (SSA) GEO satellite
- Artificial intelligence for soil health
- China releases report on remote sensing monitoring for global ecology
- Drones Collect Environmental Data
- EO and Spatial Analytics for Sustainable Agriculture
- Europe seeks greater autonomy in space traffic management
- ESA - Simulator Uses GNSS to Track Railway Positioning
- Geospatial Artha 2022: Indian Geospatial Industry Outlook report.
- Key Drone Trends for 2023
- In-Space Missions to Build Satellite for Asia-Pacific Rideshare Mission
- Satellites to monitor gas pipelines for leaks using hyperspectral imaging
- Satellogic's Aleph-1 constellation expanded with four smallsat deployments via the Transporter-6 rideshare mission
- Spire Global changes maritime leadership to support growth with two appointments
- Seven nations meet to address space security
- 'the state of commercial EO' and 'weather from space' along with a few editions of '8-Things-EO,'
- Top Launches to Watch in 2023
- UK Space Agency welcome further growth

- Planet, also announced a partnership with NASA Harvest, to develop solutions for food security, based on Planet's satellite imagery.
- Satellite navigation, contract for Thales

- New EU Actions for European Drone Market
- Northrop Grumman Continues Streak of Space Systems Growth in 2022
- Satellite-Based Earth Observation Global Market Report 2022:
- Synspective's 3rd SAR satellite
- Space Economy Report

- Geospatial World Forum 2023
- IGARSS 2023 - Call for Papers. Find more information here.
- MOOC Weather & Climate Machine Learning course from ECMWF (ongoing)
- Ninth International Conference on Remote Sensing and Geoinformation of Environment (RSCY2023) - CYPRUS - April 3 - 5

- Multiple PhD positions in the WildDrone project in several European countries
- PhD position in Marine Sciences at the University of the Azores, Portugal
- PhD position for Earth Observation-based platform for natural hazards at the University of the Azores, Portugal
- PhD Position for GNSS noise prediction based on deep networks with the supervision of 3D city models at Gustave Eiffel University, France
- PhD Position for impact-based urban flash flood forecasts in France and India at at Gustave Eiffel University, France
- PhD position on climate change impacts on wildfire risk in seasonally dry forests at University of East Anglia, UK
- Postdoc for ALOS-3/4 calibration, validation, and application studies at JAXA, Japan
- PostDoc on resilient ecosystems at Eawag, Switzerland
- Postdoc on short-term wind and solar power forecasting at EPFL, Switzerland
- Post-Doc in coastal D-InSAR at CNRS, France
- Postdoc on atmospheric composition measurements at the Smithsonian Astrophysical Observatory, USA
- Scientist for heat danger forecasts at ECMWF, UK or Germany
- Scientist for wildland fire science and applications at JPL, USA
- Data scientist for remote sensing imagery at the Cascade Volcano Observatory, USA
- Photogrammetric imagery scientist at NGA, USA
- Geographer within the St. Petersburg Coastal and Marine Science Center, USA
- University Lecturer in Geoinformatics and Spatial Analysis at University of Helsinki, Finland
- Copernicus Ground Segment manager at ESA, Italy
- Ground Segment Systems Engineering team leader at EUMETSAT, Germany
- Assistant Professor in Earth Observation and Remote Sensing at Masaryk University, Czech Republic

list of capdeve meetings at CEOS

- Brokerage event in Digital thematic areal.
- Brokerage event in Industry thematic area.

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Dec 2022

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Corporate News

- EOI Space, the Earth-observation startup formerly known as Earth Observant, attracted its first major customer for ultra-high-resolution imagery drawn from a constellation of satellites destined for very low Earth orbit
- Private equity firm Advent International is acquiring Maxar Technologies for $6.4 billion. Maxar Technologies acquired by private equity firm in $6.4 billion deal
- The 10 Hottest Satellite Companies in 2022
- 10 Smallsat Startups to Watch

- China launches Earth observation satellite. China sends another Gaofen remote sensing satellite into orbit
- Geocoding of Maps, Land Parcels to be a Game Changer in India
- France will sell two imaging satellites to Poland
- Failure of Vega-C rocket launch in French Guiana
- How EU Space helps protect – even restore – Europe's forests
- NASA awarded a contract to SpaceX for the launch of the Sentinel-6B ocean science satellite.
- Statement for a Responsible Space Sector. read more >>
- The European Space Agency will hire 200 new employees next year to support new projects.
- US Congress adds $1.7 billion for U.S. Space Force in 2023 spending bill
- UNOOSA and UK Strengthen Cooperation on Space Sustainability

- A Vega C rocket carrying two imaging satellites failed during a launch
- CASSINI Matchmaking – 2022 was a blast – 2023 open call is open!
- Copernicus for Health – Combating diseases through satellite data
- Data centers move into space to mitigate power consumption and pollution
- December edition of Via Satellite
- Emergency Response System to Ensure Public Safety
- EUSPA many milestones from 2022
- Herring spawns and algal blooms are two yearly events that remind us it's often the smallest of organisms that can have the largest visual impact from space.
- How Many Satellites are orbiting around Earth in 2022?
- independent commission will investigate Tuesday night's Vega C launch failure.
- Intermap Announces $1 Million Insurance Subscription
- It was a big year for the space industry. 2023 will be even bigger
- Nomination for EO Excellence Award 2023 Still Open
- OGC Seeks Public Comment on Creating new GeoDataCube Standards Working Group
- pack ice is changing
- proliferation of and accessibility to open-source intelligence tools have introduced an entirely new dimension to international conflicts.
- Ready for Internationalisation
- Satnews Publishers Wishes You A Wonderful Holiday
- SpaceX completed the busiest year in its two-decade history early Friday with the launch of an Israeli imaging satellite.
- Supporting risk assessment in Indonesia. read more >>
- Two European companies are working together to study how to improve satellite optical communications through the atmosphere.
- 2022: A year of extremes
- 2022 : A Year in Review through Satellite Imageries

- Airbus' EGNOS European satellite-based navigation augmentation system achieves key milestone
- GEO 2.0: The Future of Geostationary Orbit
- Sizing Up the Satellite-to-Cell Opportunity
- Some forests store more carbon than previously thought
- A startup is working with Thales Alenia Space on a concept for a robotic space factory.
- The State and Future of LEO Satellite Internet Connectivity in Africa
- UK woodlands could store almost twice as much carbon as previously estimated. UK Space Agency funding in the million£s to support satellite launch sector

- AZO - Winners 2022
- GalaxEye Space raised $3.5 million to develop hybrid satellite sensors.
- SpaceX won a NASA contract worth about $94 million to launch the Sentinel-6B mission to monitor global sea levels.

- Airborne Uav Remote Sensing Market 2022
- InSAR Market Share In 2023
- Geospatial Artha 2022: Indian Geospatial Industry Outlook report. Download the table of content and research methodology of the report
- Planet reported third-quarter revenue of $49.7 million, a 57 percent jump compared with the same period one year ago, and forecasted 2023 annual revenue of $188 million to $192 million
- Russia invaded Ukraine
- Space Sensors and Actuators Market worth $4.9 Billion by 2027

- 15th Space conference
- GFOI Plenary 2023, 9 to 11 May - Food and Agriculture Organization of the United Nations (FAO) in Rome and online. here.

- Russia's invasion of Ukraine transformed the space industry in 2022.

Nov 2022

Corporate News

- Airbus and Space Compass to target Japanese market for mobile and EO solutions
- Array Labs Raises $5M for 3D Image Constellation
- Canadian Space Start-up Raises $7 Million for Hyperspectral Imagery
- Chinese remote sensing satellite firm to double size of constellation
- Deutsche Bank is bullish on earth observation stocks BlackSky and Planet Labs
- Frontier Precision and Sysnpective's distribution partnership in North America for SAR satellite-based geospatial solution
- Maxar acquires Wovenware, an AI and software company, increasing their machine learning and 3D data production capabilities. Maxar Technologies has acquired a company that furthers its goal of turning its satellite imagery archive into 3D products for gaming, media and other industries.
- NRO Expects to Release Hyperspectral Satellite RFP By the End of 2022. NRO opens call for commercial hyperspectral satellite imagery
- OSIRIDE: Operational Solutions for the Italian IRIDE constellation. Learn more and download the press release
- Satellogic to Discuss Opportunities in Emerging Space Economy at Deutsche Bank Global Space Summit
- Seraphim Accelerator Mission #2 Alumni ConstellR raises $10m to prevent water and food shortages
- Space situational awareness provider Rhea Space and eight other startups have joined a 13-week accelerator program run by Seraphim Space and Generation Space
- Spire has announced a new line of larger satellites. Spire Global unveiled a new-generation satellite bus to meet demand for larger and more capable satellites

- China launches mysterious Earth observation satellites. China launches radar satellite for environmental monitoring
- COP-TRANSFORMERS Vodcast
- COP27: fractured world threatens green transition
- Council and European Parliament agree on boosting secure communications with a new satellite system
- Data Policies in Agriculture. Read more »
- EIC Fund takes 35 investment decisions worth €190M
- EU agrees to increase carbon removals
- EU agree to foot €2.4 billion for satellite internet system
- Europe seeks greater autonomy and independence in space
- European Union members have reached an agreement on their role in a secure connectivity constellation with a new name (IRIS). Welcome to IRIS² - European Commission
- European Parliament adopts position on the EU Secure Connectivity Programme
- European Centre for Space Economy and Commerce (ECSECO) General Meeting. Read more
- European Space Agency is requesting several hundred million euros at its upcoming ministerial council meeting for new satellite navigation technologies from low Earth orbit to the moon.
- ESA finalizes package for ministerial
- GEO flagship on land degradation neutrality.
- GEO Week 2022 Supports Global Action on Data for Local Impact. Read
- Lockheed Martin to Build Digital Twin for NOAA With NVIDI
- Future direction for GEO Post-2025. GEO Week website. GEO-18 Plenary Summary of Outcomes presentation is available on the GEO website here
- Member states to endorse Commission's innovation agenda
- MEPs call for an increased budget for defence R&D
- National Geospatial-Intelligence Agency plans to double spending on monitoring economic activity from space
- NASA has launched a new Earth observation satellite that will monitor weather and climate change
- NOAA weather imaging satellite launches into orbit
- Radiant Earth Releases LandCoverNet, the First Global Multi-Satellite Training Dataset for Land Cover Classification. Read more »
- Russia To Double Its Earth-Observation Constellation
- Slovakia becomes ESA Associate Member state
- Strengthening InCubed's role in commercial Earth observation
- ScaleUp Programme: Invest Element – The ScaleUp Marketplace. Read more
- USAID and NASA Renew Partnership to Address Climate Crisis, Food Security
- UN announces high-tech, satellite-based global methane detection system
- US Releases Nature-Based Solutions Roadmap at COP27
- The Challenges and Options for Selling Fixed Enterprise Satellite Services in Africa

- Artificial intelligence model helps researchers predict shrinking snow cover
- Azure Orbital Space unveils software tools for space applications
- Collaboration, Data Fusion Key to SAR Commercialization
- Copernicus supports the Finance and Insurance Sectors in Monitoring climate-related risks
- Companies and decision makers agree, Earth Observation is an essential tool in the fight against the biodiversity loss happening in Europe's coastal regions.
- Collaboration, Data Fusion Key to SAR Commercialization
- Democratizing Open Machine Learning Technologies for Earth Observation. Read more »
- Earth Observation Excellence Award deadline approaching
- ICEYE's collaboration with New Light Technologies and Bana Solutions provides FEMA insights about flood and recent hurricanes
- ICEYE delivers flood insights from recent hurricanes to FEMA
- Importance of Workflow Integration in Indian Geospatial Industry
- Expanding geospatial ecosystem. Learn more…
- ESA and GAF AG continue offering free-of-charge access to DSMs
- Evidence that fuel regulation reduced air pollution from shipping
- From helping curb CO2 emissions to fighting illegal logging and fishing, forecasting extreme weather events, measuring ocean temperatures and monitoring pollution, the EU Space Programme is a crucial resource in the world's fight against climate change – which is why it's on the COP27 UN Climate Change Conference agenda.
- Fit for 55: Deal on carbon sinks goal will increase EU 2030 climate target
- Forensics used to reverse the decline of biodiversity in Europe
- Guidance on integrating Earth observation into climate adaptation
- Group of Earth Observations (GEO) Provides Critical Data for Our Development
- GHGSat Launches Free Service to Contribute to Global Transparency in Methane Emissions
- Global Assessment of Solid Waste Methane Emissions
- Habitat mapping with AI to preserve Europe's natural capital
- How Many Satellites are Orbiting Around Earth in 2022?
- How to Upscale Technology Innovation Across Geospatial Industry
- Land Governance. Learn more....
- Lockheed Martin, NVIDIA to Help US Speed Climate Data to Researchers
- Keeping Watch Over "Super Emitter" Power Plants With Real-Time Space Observations
- Methane 'Super-Emitters' mapped by NASA's new Earth space mission
- Message to attendees of Space 4 Critical Infrastructure
- Microsoft is rolling out software to make it easier to develop space-related applications
- Multilateral Development Banks and Climate Finance: More Words Than Action. Read
- NEREUS session on Energy and Transport
- OGC Forms Climate Resilience Domain Working Group; Schedules Q&A Session for Climate Resilience Pilot. OGC sets up climate resilience working group
- Open Maps For Europe wins BeGeo Best Project Award
- Planet Announces Board Expansion with Addition of Kristen Robinson. Planet and Justdiggit Enable Nature-based Solutions
- Resonate Testing Delivers Training on Testing Processes for Irish Space Companies
- Strengthening InCubed's role in commercial Earth observation
- Satellogic completes investment in Officina Stellare
- Safran acquires Syrlinks
- Seeing African Restoration from Space: Planet and Justdiggit Enable Nature-based
- SES supports EU LEO scheme
- Synthetic remote sensing data with high-accuracy simulation powered by RIT's DIRSIG
- Synspective to Distribute SAR Solutions in North America With Frontier Precision
- Synspective and GCRS' partnership for SAR satellite-based risk analysis solutions in South Asia
- Synthetic Remote Sensing Data with High- Accuracy Simulation
- Successful EBNS catalyses the business community ahead of crucial UN Biodiversity Conference (COP15)
- SPECTRA methane map allows you to see methane concentrations in the atmosphere anywhere in the world.Methane Snapshot released for COP27. Data solutions for climate change
- two satellites for the Pléiades Neo high-resolution Earth-imaging constellation, built and operated by Airbus.
- Unprecedented resolution of biodiversity map from Half-Earth
- UNOSAT Receives 2022 Group on Earth Observations Sustainable Development Goal Award
- UN announces satellite-based global methane detection system
- United Nations Office for Project Services
- WorldCover taking it to the next level

- John Deere Tasks Satellite to Connect New Frontiers in Agriculture
- Israeli + US space agencies work together + welcome partnerships to advance the space tech market
- Safran acquires Syrlinks
- Spanish connectivity startup Sateliot said SpaceX will launch the first operational satellite early next year for its 250-strong constellation, which aims to connect internet of things devices and eventually standard smartphones.
- Space Force's Space Development Agency (SDA) remains optimistic it will launch its first set of satellites next month.
- UK MoD Officials Discuss Challenges and Priorities to Build a Modern Space Architecture at Global Milsatcom
- US science agency plans new centre for research security
- 3D printing specialist Swissto12 sold its first small satellite to Intelsat for a launch to geostationary orbit in 2025

- GeoOptics Inc. won a NASA contract worth a maximum of $7 million over five years to provide data acquired by the company's small satellite constellation.
- MyRadar is developing a wildfire detection and mitigation application with funding from the National Oceanic and Atmospheric Administration
- National Geospatial-Intelligence Agency plans to double spending on monitoring economic activity from space.NGA will increase the ceiling for its Economic Indicator Monitoring program from $29.9 million to $60 million over five years. The five vendors competing for awards are BAE Systems, Ball Aerospace, BlackSky, Continental Mapping Consultants and Royce Geospatial Consultants
- NASA extends contract with Planet
- NGA Doubles the Value of Economic Monitoring Contract to $30M
- Nvidia and Lockheed Martin won a National Oceanic and Atmospheric Administration contract to build a prototype digital twin of Earth.

- Australia Earth Observation Market Size, Demand
- Geospatial Knowledge Infrastructure, GKI Readiness Index, click here to download the report.
- Geospatial Strategy for National Development report. 2021 version of the report
- Geospatial Strategy for National Development from GW's Knowledge Hub
- Global Satellite-Based Earth Observation (EO) Market to Reach $4.2 Billion by 2027
- GKI Readiness Index and it's value proposition, click here to download the report.
- Interferometric Synthetic Aperture Radar (InSAR) Market Investment Analysis
- Seraphim Space Investment Trust plc, Release Annual Report 2022
- Spectral Imaging Global Market Report 2022

- Copernicus Masters 2022, the Space Awards 2022!
- Earth Observation for Ecosystem Accounting Workshop (EO4EA 2022)
- European Union and the Indo-Pacific region,EU Global Action on space. The event is scheduled for 1 December from 08:30am to 12:20pm CET.
- EuroGEO Workshop 2022
- European Maritime Day – 24-25 May 2023, Brest (FR)https://maritime-day.ec.europa.eu/index_en
- Geospatial World Forum – 2-5 May 2023, Rotterdam (NL) https://geospatialworldforum.org/
- GEO Week 2022
- GEOSeries webinar for 2022.
- GEOBIM 2023
- Geovation Hub for Location Powers, 15-16 November, 2022
- Geospatial World Chamber of Commerce (GWCC), in partnership with Department of Science & Technology, Government of India is organizing the following Summits alongside GeoSmart India 2022
- KCEO Stakeholder Workshop on Biodiversity and Earth Observation
- HEuroGEO Workshop 2022 – 7-9 December 2022, Athens (GR) https://rea.ec.europa.eu/events/eurogeo-workshop-2022-2022-12-07_en
- Locate 23 – 10-12 May 2023, Adelaide (AUS) https://locateconference.com/
- METSTRADE, the world's largest trade exhibition of marine equipment, materials and systems, is happening 15 – 17 November in Amsterdam
- Oceania Geospatial Symposium 28 November- 4 December 2022, Tahuà, (OC)Homepage - OGS Oceania geospatial symposium (oceania-geospatial.com)
- SATELLITE Conference & Exhibition,
- Space Tech Expo, 15 – 17 November
- Space2Business, Prague - 28-29 November 2022
- UNFCCC COP-27
- UK Space Design Competition
- The Big 5, Dubai, for a Technology Talk on 5 December 2022
- WorldCereal Final meeting and Workshop on the 22-23 of November
- 29th Workshop on Space Technology for Socio-Economic Benefits
- 36th CEOS Plenary

- Australia – Outcomes of the ConnectEO online trade missions
- Chile – Outcomes of the ConnectEO online trade missions
- The launch of the 2nd Horizon Europe call, which looks to support the development of innovative downstream applications that leverage the data and services from the EU Space Programme, made headlines across Europe

- An estimated 1,300 Starlink terminals in Ukraine went out of service recently because of a lack of funding.
- Kherson and Nova Kakhovka, Ukraine. Link to Imagery
- How Satellite Imagery Magnified Ukraine to the World
- Russia To Double Its Earth-Observation Constellation

- PhD position on investigating geodiversity-biodiversity relationships under climate change at University of Oulu, Finland
- Three PhD positions on radar at the United Arab Emirates University, UAE
- Junior Copernicus Data Services Engineer at EUMETSAT, Germany
- Junior Data Processing Engineer at EUMETSAT, Germany
- Junior Remote Sensing Scientists at EUMETSAT, Germany
- Junior researcher for R&D activities in Earth Sciences at Universidade dos Açores, Portugal
- PostDoc positions for sustainability solutions at University of Southern California, USA
- PostDoc in AI and the use of Earth Observations for Climate at ESA, Italy
- PostDoc on climate data analytics and climate change impacts at George Mason University, USA
- PostDoc on Machine Learning for Earth Observation data at ITT, Italy
- Research associate for applied geoinformatics at the Leibniz Institute of Ecological Urban and Regional Development, Germany
- Research Associate for geovisualization at the Leibniz Institute of Ecological Urban and Regional Development, Germany
- Remote Sensing Scientist Multi-Mission Cal/Val at EUMETSAT, Germany
- Remote Sensing Scientist Passive Microwave Imaging at EUMETSAT, Germany
- Geospatial Scientific Software Engineer at Planet, USA
- Researcher for precision farming and artificial intelligence at NIBIO, Norway
- Cartographer at the department of agriculture, USA
- Geospatial Analyst at the European Commission, Italy
- Faculty member to teach Earth Science courses at Miami Dade College, USA
- Scientific officer for climate prediction and projections at ECMWF, UK or Germany
- Assistant professor of coastal marine ecology at College of William & Mary, USA
- Assistant professor of environment & sustainability at Ohio Wesleyan University, USA
- Assistant professor in sustainability of arid lands at University of Nevada Las Vegas, USA
- Assistant professor of Earth and planetary sciences at the State University of New Jersey, USA
- Assistant professor in remote sensing of landscape dynamics at Aarhud University, Denmark
- Assistant professor of Computer Vision at RIT, USA
- Assistant, associate or full professor for coastal processes at the Stony Brook University, USA
- Head of the Research Data Center at the Leibniz Institute of Ecological Urban and Regional Development, Germany
- Professor and chair of the department of ocean and Earth sciences at the Old Dominion University, USA
- Director of the division of ecological and Earth sciences at UNESCO, France

- AgriFieldNet Competition Dataset
- Close-up on the further collaborations between the ConnectEO SMEs and in-country actors
- European SMEs participants in internationalisation activities, lessons learnt and challenges
- Perk Group Africa organize training workshops till December 2022. REGISTRATION is open via our online portal HERE.
- SEN12TS: A SAR and Multispectral Dataset for Land Cover Classification
- Ramp baseline model for building footprint segmentation

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Oct 2022

Corporate News

- Commercial smallsat data acquisition contract assigned by NASA to GHGSat
- Iceye and Satlantis propose optical and radar satellite constellation. ICEYE + SATLANTIS to combine their talents to develop the Tandem4EO smallsat constellation
- ICEYE signs SAR smallsat launch agreement with SAB Launch Services.
- nogaholding Partners With GHGSat for High-Resolution
- PlanetWatchers, a geospatial analytics firm specializing in SAR, raised $11 million in series A funding. Seraphim Space Investment Trust and Creativity Ventures led the round.
- Planet Launches Nonprofit Program for Imagery Access
- Satellogic Announces Exclusive Agreement with GREEN+ Jurisdictional Programme to Monitor all Subnational Protected Areas on the Planet
- Satellite radar startups spar over commercial market importance

- Africa's space industry attracting EU and Chinese investors. Africa Earth Observation (AEO) Challenge for African Innovators. Africa Earth Observation (AEO) Challenge 2022
- An analysis of Chinese remote sensing satellites
- Azerbaijan opens aerospace monitoring training center
- Canadian government will fund a satellite and instruments for a NASA-led Earth science mission.
- China launches new remote sensing satellite. China launched a synthetic aperture radar (SAR) satellite China successfully launches new **remote sensing** satellite - ZAWYA
- Colombia Bursts onto Space
- Europe’s space industry gathers at ESA Industry Space Days 2022
- EU-funded space R&I and Copernicus: creating game changing applications shaping our world
- EU Space is well-placed to play a pivotal role in supporting the new European Critical Raw Materials Act.
- ESA selects Harmony as tenth Earth Explorer mission
- ESA funds two Irish companies to develop Earth observation products
- European Space Agency to launch Ireland's first satellite early next year
- Indian Minister of Science and Technology Briefs Media About 2nd UNWGIC 2022
- NASA maintains contractual relationship with Astra, presses forward with TROPICS mission
- NASA and USGS to map critical mineral potential in south-west US - Mining Technology
- NASA and Google team up to better track local air pollution
- Slovakia moved a step closer to becoming a full member of the European Space Agency.
- SIIS Enters Satellite Imagery Partnership with SkyFi
- Swedish Space Corporation to support ESA’s next Earth Explorer mission
- The UK Space Agency has shortlisted groups led by startups Astroscale and ClearSpace for a mission to remove two spacecraft from low Earth orbit in 2026.

- Arctic summer sea ice tied for 10th-lowest.Read more...
- Cleaning up contaminated soil costs Dutch society at least €850 million every year. Curious how satellite imagery & software can be used to identify suspicious soil movement at an early stage?
- CGG Licenses New GeoVerse Carbon Storage Multi-Client Study to TotalEnergies
- Detecting changes in marine ecosystems
- Earth Blox announces no-code SaaS offering for data analysts at Google's Geo for Good Summit 2022
- Earth Blox gives busy data analysts the tools to build and run satellite image analyses in minutes.
- EU Space Week, the hallmark event for the European space sector, is back and an excellent opportunity for entrepreneurs and innovative space-related businesses to come together.
- EUSPA User Consultation Platform
- Esa announces satellite mission for Earth observation
- EUSPA Space Academy was featured in GeoAwesomeness!
- EuroGeographics selected as friend of the EU Mission Adaptation to Climate Change
- EUMETSAT's statement highlights four key ways the agency works with global partners to limit climate change and its impacts
- Euro private equity dominates ESG space as alts managers focus on climate - Funds Europe
- e-shape news flash! The September issue of the Newsletter is out! https://e-shape.eu/ and https://helpdesk.e-shape.eu/
- Final batch of Airbus Pléiades satellites arrive in Kourou for launch
- Is your infrastructure climate resilient?
- GENUINE for Precision Agriculture - Copernicus Prize Italy 2021 Winner
- Geospatial World Awards
- GeoCue Makes European Debut of Point Cloud Software and 3D Imaging Sensor at Intergeo
- Global environmental developments in September 2022
- GWF 2023
- HAS implementation in agriculture and geomatics applications
- Hurricane Ian reaches Florida. Read more...
- Long-serving European weather satellite safely moved to the "graveyard orbit"
- Mediterranean Sea hit by marine heatwave. Read more...
- NASA, USGS Map Minerals to Understand Earth Makeup, Climate Chang
- New **EU** Project To Offer Forest-Based Policy Pathways For A Climate-Neutral Society
- New technologies for remote biodiversity monitoring
- New **EU** project will offer forest-based policy pathways for a climate-neutral society
- myEUspace competition
- The NRO followed a similar strategy for acquiring synthetic aperture radar (SAR) imagery and data. the NRO awarded contracts in January to Airbus U.S., Capella, Iceye U.S., PredaSAR and Umbra.
- NRO Announces Commercial RF Study Contract Awards
- OGC Calls for Participation in Climate Resilience Pilot
- Over 40% Methane Emissions in US Comes from Super Emitters
- *Perspectives on Ground Segment Digitalization*
- Pléiades Neo: The Most Detailed and Accurate Commercial Satellite Imagery
- Pléiades Neo 30cm imagery is now available in the Living Library! Living Library here
- Powerful and Multilateral UN-GGIM is Rescuing the SDGs
- Satellogic announces new leadership appointments
- Satellites for the Dataverse and the Metaverse
- Satellites for missions far from earth
- Satellites to map ocean clouds that keep Earth cool
- Satellites Scrutinizing the Earth: Their Types and Possibilities
- Towards a European Copernicus Coastal Flood Awareness System: the ECFAS project
- UN Mission assures disaster managers of access to data
- Waterjade - COM "EU Space Data for Blue Economy" Challenge 2020 Winner
- Weather sensors capture vital data on hurricane Ian
- What Climate Scientists Want from Satellite Data Providers
- 2021 Space Capital report
- 10 highlights from four days of EUSW22.

- Astroscale opened a facility in the United Kingdom to build commercial space debris removal spacecraft.
- American space company Redwire buys Belgian QinetiQ Space for €32 million
- Beyond Gravity Wins New Loft Orbital Deal
- Call for improved synergies in EU research and innovation funding
- Constellations of Small Satellites In Low **Earth** Orbit Are the Future of the Global Space Sector
- Exobotics Teams Up With Simera Sense on Hyperspectral Imager
- John Deere Execs Outline Market Opportunity for Agricultural Satcom
- It remains difficult to combine data from different Earth observation systems.
- HAS implementation in agriculture and geomatics applications
- How Well Is the EU Regulating the Digital Space?
- Hyperspectral imaging for smallsats is the goal of Exobotics + Simera Sense collaboration
- Non-Imagery EO Data: Golden Ticket or Pipe Dream?
- NRO awards Kleos Space a commercial RF capabilities contract
- OGC Calls for Participation in Climate Resilience Pilot
- Open Cosmos unveils a shared space infrastructure
- Phase One Announces Successful Operation of 150MP Camera on Smallsat Earth
- QinetiQ sells small satellites specialist **Space** NV to Redwire
- Redwire said it is spending around $31 million to buy QinetiQ Space, a Belgium-based designer and integrator of critical space infrastructure and other instruments for end-to-end space missions.
- Satellite Vu partners with Viasat
- ScaleUp programme : Accelerating Space Commercialisation
- Satellite Vu Strikes Deal to Use Viasat's Ground Network Service.
- Satellite Vu partnering with Viasat
- Satellite Earth Observation Market 2022 Report
- Spire Global Awarded $4 Million NOAA Contract to Deliver Hyperspectral
- Space Debris Mitigation Guidelines
- Space Foundation 2022 report
- The benefits of the EU Space Programme and 3SOS
- The Federal Communications Commission adopted a new rule that will shorten the time for satellite operators to deorbit low Earth orbit satellites from 25 to five years.
- The National Space Council plans to hold “learning sessions” with industry in coming weeks on how to develop a new regulatory framework for novel commercial space activities.
- U.S. agricultural farming giant Deere & Company issued a satellite communications-focused request for proposals for solutions to further connect its fleet of intelligent machines
- UK’s first orbital satellite launch includes intelligent hyperspectral imager HyperScout®
- UK Government Opens Competition for Satellite Communications Business Funding
- With space essential to military operations, better understanding of what objects are in orbit and the threats they may pose is “foundational” for space security, a Space Force general said.
- With sat constellations in mind, Neuraspace raises millions of euros in financing

- Celestia UK wins ESA navigation contract
- Davra, Treemetrics secure co-funding of €3m under Earth Observation programme
- NASA science satellite contract won by GHGSat
- Satellogic to Monitor Protected Forests in Climate Change Contract . Satellogic won a contract to collect high-resolution satellite imagery over Earth’s forests until 2025.
- Spire Global Awarded USD 9.9 Million NOAA Contract
- Sidus Space signs satellite deployment contract with Exo-Space
- The National Oceanic and Atmospheric Administration Satellite and Information Service awarded nine contracts worth a combined $13.8 million for instrument technologies, ground systems and related mission support.

- Europe Geological Remote Sensing Consultancy Market 2022 Key market Expansion
- Geospatial Artha Report 2021 and Geospatial Artha Summit 2022!

- Access Space Alliance (ASA) conference is taking place on 6-7 September 2022 as a hybrid event: see link.
- Advancing Earth Observation Forum 2022 (AEO22)
- Assessing Climate Change Impacts and Extreme Events with Earth Blox.Register Now >
- Copernicus Masters 2022: All Partner Evaluation Meetings, 18 July - 16 September 2022
- Earth Observation for Ecosystem Accounting Workshop (EO4EA 2022)
- ESA's Industry Space Days 2022. Read more
- Euroconsult's WSBW 2022. The 25th edition of the World Satellite Business Week is coming to Paris 12 -16 September. EUSPA will be there to discuss how the Agency supports companies integrating European space into their business solutions.
- EU Space Week is set to happen 3 – 6 October in Prague. More information and registration will be coming soon!. EUSpace Week 2022, the go-to event for Europe's space community, is happening 3 – 6 October in Prague, Czech Republic. EU Space Week – Europe's premiere space event – is back. Don't miss this opportunity to hear from leading EU Space voices and connect with colleagues from across the industry! The full agenda will be available soon. In the meantime, you can already register for the 3 – 6 October
- Eurisy events page
- EUSPA Space Academy
- European Space Policy Institute's (ESPI) Autumn Conference.
- EU Space Week 2022
- HAS implementation in agriculture and geomatics applications call for proposals by 21 October.
- Industry Space Days
- International Astronautical Congress (IAC) 2022. 18-22 September
- INTERGEO 2022, 18 – 22 October 2022. INTERGEO 2022,
- ICPAC and RCMRD Held First GMES & Africa Phase 2 Regional Workshop for East Africa
- Industry Space Days 2022.
- GEO Week 2022
- GEOBIM 2023
- Geospatial World Forum
- GeoBuiz Europe Summit: Geospatial World Forum 2022. Happening 10 – 12 May in Amsterdam
- GEOINT 2022, Descartes Labs Government Will Present Tradecraft Competition + Two Workshops
- The Netherlands Space Office, together with dotSPACE are organising information and network sessions about European funding calls in a series of webinars.
- online Copernicus Biodiversity in Coastal Ecosystems Workshop on 11 - 12 October.
- Oceania Geospatial Symposium
- OGC: Registration is open for the OGC Member Meeting
- Open knowledge: new resources and learning opportunities
- Paris Space Week 2022
- Pléiades Neo provides users with 30cm native resolution satellite imagery with reactive tasking capabilities and intraday revisit over any point on Earth.
- RAMSAR CONVENTION COP14
- SME4SPACE Anniversary networking event - 27/09/2022
- Silicon Valley Space Week (SVSW) Satellite Innovation (Oct. 11-12)focuses on analyzing next-generation satellite technology and the current business environment. MilSat Symposium (Oct. 13-14) explores the most effective and rapid solutions in development for defending and expanding critical space assets.
- Small Satellites & Space Sustainability: Why You Should Care at SmallSat Conference. click here for more information.
- SAR Analytics Symposium
- Space Tech Expo Europe 2022 Conferences
- Space Tech Expo Europe
- Sustainable Ocean Summit
- Webinar on partnerships for Earth Observation
- The 25th edition of the World Satellite Business Week is coming to Paris 12 -16 September. EUSPA will be there to discuss how the Agency supports companies integrating European space into their business solutions.
- TechNet Europe 2022
- UNFCCC COP-27
- UNOOSA Additional information about the webinar series
- 6th AfriGEO Symposium shall be taking place as side events of the 18th GEO Week. Please register for the event using this link,
- 5th New Space Atlantic Summit
- 29th Workshop on Space Technology for Socio-Economic Benefits
- 36th CEOS Plenary
- 2nd European Defence and Security Conference- 11 October 2022
- 2nd Climate Observation Conference

- War in Ukraine shifts priorities among **European** government agencies

- EUSPA is hiring! Current vacancies include Ground System Service Provision Engineer, Galileo System Evolution Manager, Operator at the Galileo Security Monitoring Centre (GSMC) and Secured Communications Engineer. Checked out EUSPA's latest job vacancies and procurement opportunities?
- Interested in a traineeship? Watch our short video on the EUSPA traineeship experience and learn more about the current openings.
- Internships at Planet
- Come work at DEA: EO Opportunities abound
- PhD position on risk assessment of mosquito-borne diseases at The Royal Danish Academy, Denmark
- PhD position in remote sensing for the monitoring of forest resources at the ETH Zurich, Switzerland
- PostDoc in explainable artificial intelligence for unmanned aerial vehicles at the University of Twente, Netherlands
- PostDoc on heat risk at the University of Twente, Netherlands
- PostDoc in Climate Change and Natural Hazards at KAUST, Saudi Arabia
- PostDoc on Machine Learning for Earth Observation data at IIT, Italy
- PostDoc for climate modelling at the Potsdam Institute for Climate Impact Research, Germany
- PostDoc on Sustainability Solutions at University of Southern California, USA
- Geospatial software engineer (hyperspectral pipeline) at Planet, Canada
- Software engineer for biomass at Planet, Netherlands
- Scientist for Earth Sciences and Remote Sensing at NASA, USA
- Senior Scientist for Space Weather at NOAA, USA
- Senior Advisor for Geodesy at NOAA, USA
- Senior Lecturer/Associate Professor in Crop Science at the Swedish University of Agricultural Sciences, Sweden
- Assistant Professor for geodata integration, interoperability and distributed analysis at the University of Twente, Netherlands

- SAR satellites for Agriculture
- Space and Defence: Protecting Europe and Strengthening our Capacity to Act A History of Copernicus
- A History of Copernicus
- Old but gold – Use of historic Copernicus EO data
- EO-Lab is Launched – New Access to Earth Observation Data
- LDE NL Space Campus Summer School – Day 6
- EDA Defence Innovation Prize 2022 Open for Submissions
- IMPRS/SKIES workshop on Entrepreneurship
- Opportunities in Space with Satuccino
- The EUSPA Space Academy – Free Online Training for Space Entrepreneurs

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