

COPERNICUS in 2017: A YEAR OF ACHIEVEMENTS



EUROPE AT ITS BEST

Positive mid-term evaluation of the Programme and strong political support from Member States in the EU Council to secure continuity and future evolution of this “*excellent example of European cooperation contributing to tackling global challenges.*”

STRONG AND EFFICIENT OPERATIONAL INFRASTRUCTURE



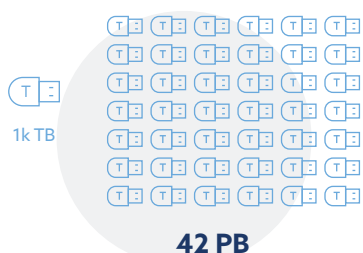
The 6 Copernicus Sentinels are producing **over 12 TB** of high-quality full, free and open Earth Observation data **every day**, the equivalent of 6,000+ DVDs



6000+ DVDs

A NEW PARADIGM IN DATA ACCESS AND DISTRIBUTION

Volume of data distributed: **42 PB**



Traditional data distribution systems have been significantly strengthened, linked to GÉANT and doubled in bandwidth from 10 Gbps to 20 Gbps.

Copernicus Data and Information Access Services (DIAS), **cloud-enabled platforms to access and process Copernicus data**, have been launched and will be operational in 2018. No more large file downloads and storage issues!

2018

COPERNICUS SERVICES IMPROVING PEOPLES' LIVES

Over 743 information products – actionable geoinformation and intelligence – available from 6 core Copernicus Services, supporting environmental policies & security.



The **Emergency Management Service (EMS)** Mapping component was activated **70+ times** in 2017 to assist civil protection authorities in emergency preparedness and response activities. Disasters covered include wildfires, storms and floods in Europe, forest fires in Spain, Portugal, Greece, hurricane Ophelia in Ireland, windfall in Poland, and internationally – Hurricanes Harvey and Irma in the US and the Caribbean, earthquakes in Mexico and Iraq).



The **Land Monitoring Service (CLMS)**: the Global component portfolio delivers over 20 variables linked to the water, energy, vegetation and cryosphere domains. Its Hot Spot monitoring mapped key protected areas in Africa. Increases in the use of Corine Land Cover, EU-DEM (both pan-European component) and Urban Atlas (local component) products.



The **Climate Change Service (C3S)**: delivers monthly sea ice extent and temperature anomalies maps and seasonal forecasts. Sectoral information services are also being developed to plan for the impact of climate change on specific sectors such as energy, water or agriculture and forestry.



The **Marine Environment Monitoring Service (CMEMS)**: released new waves observations and forecasts & ocean monitoring indicators (OMIs) products, and published the 1st Annual Ocean State Report.



The **Atmosphere Monitoring Service (CAMS)**: now supporting the European Air Quality Monitoring Index and delivering a global reanalysis data set (period 2003-2017).



The **Security Services** have reached operational status; their on-demand products have been used extensively by institutional users to support EU policies, in particular border and maritime surveillance, and actions outside the EU territory.



THE COPERNICUS ECOSYSTEM: FAST GROWING USER UPTAKE



Data and Information
120.000+ registered users

Fostering user uptake



15k+

steep increase in the use of Copernicus information as supplied by the six Services.



200+

200+ business ideas submitted to the Copernicus Masters. 14 prizes awarded.



90

110 start-ups to benefit from the Copernicus Accelerator or the newly-launched Copernicus Incubator.



20



11

Copernicus Climathons organised in 11 European cities, in partnership with the Climate-KIC (Knowledge and Innovation Community).



€6M

Copernicus & Horizon 2020: 3 new calls launched to support innovation – total value: EUR 6 million.



1500+

Start of operations of the Copernicus Support Office, handling 1500+ enquiries with a 97% satisfaction rate and supporting 30+ events across the Participating Countries with speakers and material.



300+

The Copernicus Relays and the Academy Networks were launched with 63 Relays and 90 Academy members organising and supporting 300+ events, reaching over 30 000 potential users.



Copernicus Skills programme launched. An ERASMUS+ sectoral skill alliance for Earth Observation set up, with large participation of Copernicus Academy members.



Framework Partnership Agreement launched to enable co-funding of user uptake activities with Member States.



Increased use of Copernicus by Commission DGs, e.g. support to EU indicators for the Sustainable Development Goals, pilot with DG AGRI on the use of Copernicus for CAP monitoring.

Promoting Copernicus

EU Space Week

EU Space Week 2017 in Tallinn, Estonia: 6-day event with 1,500+ attendees showcasing European space programmes with record web and media outreach.

#EU60 High-level Conference

High-level conference for the 60th Anniversary of the Treaties of Rome: celebrating Space for EU integration.

UN SDG Conference

Copernicus was congratulated for its valuable contributions to SDG14, together with DG MARE and the EEAS.

Launching Ceremony

Launching Ceremony of the Copernicus Relays and Academy Networks at the European Parliament.



Copernicus.eu: 285K+ website visits with 185K+ unique visitors (+30% vs. 2016)



6 million views on Twitter (3.2 million in 2016) with 12.400+ followers (+50% vs. 2016)



240,000+ reach on Facebook: user engagements, 6400 followers (+28% vs. 2016)

Industry Workshops

4 industry workshops to gather inputs from industry and users.

Regional Workshops

3 regional workshops organised in Latin America and ASEAN, promoting Copernicus solutions beyond EU borders.



Copernicus Observer weekly newsletter: **5,000+ subscribers**



STRONGER EU PRESENCE ON THE INTERNATIONAL EARTH OBSERVATION SCENE



The European Commission has taken over chairmanship of the Committee for Earth Observation Satellites (CEOS): an opportunity to set the agenda in key areas: CO₂ monitoring; data distribution, access and exchange; standardisation and better response to user needs.



Cooperation Arrangements have been concluded with the United States and Australia. Negotiations are ongoing with Argentina, Brazil, Chile, Colombia, the African Union Commission, India, Serbia and Ukraine.

