

Förderhinweise

Ausschreibung für Copernicus Landüberwachungsdienste

Die Europäische Umweltagentur (EEA) hat einen Dienstleistungsrahmenvertrag mit einer Laufzeit von zunächst 24 Monaten ausgeschrieben. Inhalte des Vertrags sind die Produktion sogenannter „CLC+ Backbone“ (Coordination of Information on the Environment Land Cover) sowie Beratungsleistungen. Angebote müssen bis zum **23. September 2019 um 14 Uhr** eingereicht werden. Das Auftragsvolumen beträgt bis zu 10 Mio. €. Mehr Informationen finden Sie [hier](#).

Ausschreibung des Joint Research Centre zu Copernicus

Das Joint Research Centre in Ispra hat eine Ausschreibung zum Thema Copernicus Katastrophen- und Krisenmanagement (Emergency Management Services, EMS) ausgeschrieben. Hierbei geht es um die Validierung und kontinuierliche Verbesserung der Copernicus- Produkte zum Katastrophen- und Krisenmanagement. Das Volumen des Vertrages beträgt 4 Mio. €. Die Ausschreibungsfrist endet am **30. September 2019**. Mehr Informationen erhalten Sie [hier](#).

Veranstaltungshinweise

Workshop zum Thema Deformation Measurements by EO Techniques

Vom **14.-18. Oktober 2019** findet in Straßburg und La Petite-Pierre, Frankreich der MDIS-2019 Workshop zum Thema Deformation Measurements by Earth Observation Techniques statt. Die Anmeldung läuft **bis zum 5. September 2019**. Mehr Informationen erhalten Sie [hier](#).

Informationen zum Erdbeobachtungs-Programm der ESA

Offene und geplante Invitations To Tender (ITTs) der ESA

Permanently open Call for Proposals

Wir möchten hiermit auf den dauerhaft offenen Aufruf zu Anträgen der ESA aufmerksam machen. Alle drei Monate werden die eingegangenen Anträge geprüft. Die nächsten Stichtage sind der **1. September bzw. 1. Dezember 2019**. Dabei können Anträge zum Thema [EO Science for Society](#) bzw. zu den drei Bereichen Scientific Exploitation, EO Exploitation Platforms und EO for Sustainable Development (EO4SD) eingereicht werden. Bewilligte Projekte werden mit einer Fördersumme von bis zu 150.000 € und für 12 Monate gefördert. Nähere Informationen und Unterlagen zur Antragstellung zu diesem Call und den folgenden ITTs finden Sie unter [EMITS](#). Hier können Sie auch ITTs abonnieren, sodass Sie bei der Veröffentlichung eines Calls direkt benachrichtigt werden. Wir empfehlen vor der ersten Nutzung der EMITS-Plattform einen Blick in das [Handbuch](#) zu werfen.

Scientific Exploitation

Activity	Description	Planned Date
Developing Open Science Practices and Tools		
AtmoVLab	Develop the AtmosphereVirtualLab (AtmoVLab), which represents a virtual environment to allow scientists to e.g. handle, analyse, post-process, collocate, visualize in a collaborative and flexible way, satellite and non-satellite products to develop new methods, sharing results and investigate different relevant topics in atmosphere research.	Q3/2019
New Education	This activity at incorporating novel education techniques and methods in ESA training portfolio. In addition, an Education web platform including an student forum to maintain and promote ESA education material will be also included.	Q3/2019
Agricultural Virtual Lab	Develop a virtual research environment (VRE) on water-climate and food science, to allow scientists to discover and process, in a collaborative, flexible and intuitive way, various co-located EO datasets, EO-based products, in situ data to advance in the development of new methods, algorithms and products with focus on the interactions among water resources, food systems and climate pressures.	Q4/2019
Advancing EO Methods and Techniques		
Sentinel-1 for Science Amazonas	New change-detection methods recently developed allow a proper treatment of the statistical properties of the SAR data and have the advantage that provide statistical significance levels. The new acquisition of S1 allows a systematic observation of the Amazonas. This provides an excellent area of study for change detection methods and in particular on deforestation and regrowth.	Q3/2019
SARWAVE	Develop swell-field retrieval method from Sentinel-1 Interferometric Wideswath (IW) products, develop prototype swell-field products and demonstrate their scientific value.	Q3/2019
ATMOS+	New activity responding to the recommendations from the ATMOS-2018 conference, Salzburg (AT), November 2018. The focus will be on studying the recovery of the ozone layer, assessment of air quality based on new sensor data. An additional highlight will be on research of stratospheric aerosols.	Q4/2019
Aeolus+ Pathfinders	Ensure a fast exploitation of Aeolus through a set of parallel short feasibility projects advancing beyond the primary products of ADM in preparation for larger activities in 2018/19.	Awaiting official release of Aeolus data
Aeolus+ Aerosols	Develop and validate novel retrieval methods for aerosol characterisation in view of creating new products also in synergy with other EO datasets.	Awaiting official release of Aeolus data
Advancing Earth System Science		
Ocean+ Extremes	New activity responding to the needs of the SOLAS community, to explore the potential of EO data in the characterisation of extreme ocean conditions (e.g. strong winds) and its impacts in terms of momentum, energy and mass fluxes.	Q3/2019
Irrigation+	This activity aims at advancing our capacity to map better characterise irrigation and irrigation quantity from space. This represent an important knowledge gap in water cycle research and an important variable for water management and agriculture.	Closing date 04.10.2019

Polar+	This new activity aims at addressing 4 major topics in Polar science: Greenland Hydrology, Ice shelves, surface mass balance and snow on sea ice. Four parallel projects are expected to be placed as a result of this ITT. This activity is carried out in close collaborating with EC DG-RTD.	Q3/2019
AI4Science – Extreme Events	This activity aims to explore the potential of AI and EO to contribute to enhance our capacity to understand and characterise extreme climate events.	Q3/2019
Contribution to the Regional Initiatives		
Atlantic+ Science	First scientific activity responding to the recommendations of the Atlantic from Space workshop, Southampton, January 2019. Focus will be given to upwelling areas in the Atlantic.	Q4/2019
Med+ Science	A dedicated activity responding to the recommendations of the Med 2018 workshop. Focus will be given to the water-food nexus in the Mediterranean. This activity aims at contributing to the HYMEX activities.	Q4/2019
Alpine+ Science	A dedicated activity responding to the recommendations of the Alpine from Space Workshop in 2018. Focus will be given to the Alpine water cycle.	Q4/2019

EO Exploitation Platforms

Activity	Description	Planned Date
Expanding Public Sector benefits		
WorldWater (Surface Water Dynamics)	In response to recommendations from the MWBS 2018 workshop, an ITT on Surface Water Dynamics is planned to develop and demonstrate on-line open source EO tools for large scale monitoring of the intra-annual and inter-annual variations of surface waters, in extent and volume, at high spatial resolutions, exploiting dense time series of Sentinels 1 and 2, and 3rd party missions.	Closing date 13.09.2019
World Ocean Circulation	Based on the World Ocean Circulation User Consultations outcome highlighted in the sessions summaries by chair persons.	Q3/2019
Enabling Industry Growth		
Video Analytics	A single ITT to start four contracts to develop and demonstrate prototype data analytics and machine learning capabilities linked to the combined exploitation of satellite video data with other satellite and in-situ (including other video) data sets.	Q3-4/2019
Small Satellite Data Uptake Accelerator	ITT under which it is expected to start three separate contracts. The scope is to support small satellite operators integrate their data with complementary EO and non-EO data under realistic operational conditions in cooperation with partner entities already active in priority domains of interest. Each activity will characterize the nature of the added value and impact due to the data from the small satellite systems, the additional developments required from the small satellite operators to migrate to operational/commercial data provision and to establish baseline performance statistics under realistic operating conditions for areas such as tasking reliability, acquisition reliability, downlink performance, latency times for information.	Q3/2019

EO for the Sustainable Development Goals (SDGs)

Activity	Description	Closing Date
Larger-Scale Regional demonstrations of EO-based information: Forest Management	The purpose of this procurement is to place one contract for the larger-scale exploitation activities of EO-based information products and services that respond to geospatial information requirements in the thematic domain of Forest Management associated with flagship developments being carried out by the main International Financing Institutions (IFIs, e.g. WBG, ADB, IFAD, GEF).	16.09.2019

ESA Tender zur Kick-Start Activity Environmental Crimes

Im Rahmen des Business Applications Programme hat die ESA eine Ausschreibung zur Kick-Start Activity Environmental Crimes angekündigt. Im Rahmen von Kick-start Activities können Interessierte einen Zuschuss von bis zu 60.000 € für eine Machbarkeitsstudie erhalten. Die Ausschreibung widmet sich verschiedenen Bereichen:

- Environmental Quality (Veröffentlichungsdatum: 2. September 2019; Einreichungsfrist: **11. Oktober 2019**)
- Poaching and Trafficking (Veröffentlichungsdatum: 14. Oktober 2019; Einreichungsfrist: **30. November 2019**)
- Natural Resources (Veröffentlichungsdatum: 2. Dezember 2019; Einreichungsfrist: **24. Januar 2020**)

Weitere Informationen zu der Ausschreibung finden Sie [hier](#).

Passend zu dem Thema organisiert die ESA zusätzlich drei Webinare zu der Kick-Start Activity Environmental Crimes:

- 21. August 2019 (15 Uhr): Environmental Quality
- 10. Oktober 2019 (15 Uhr): Poaching and Trafficking
- 27. November 2019 (16 Uhr): Natural Resources

Die Anmeldung zu den Webinaren ist [hier](#) möglich.

ESA Events & Workshops

Trainingskurs zum Thema Atmosphären-Zusammensetzung

In Kooperation mit EUMETSAT und dem Copernicus Atmosphere Monitoring Service (CAMS) veranstaltet die ESA eine Schulung zur Atmosphären-Zusammensetzung mit Schwerpunkt auf Luftqualität. Der Kurs wird vom **4.-8. November 2019** an der Babeş-Bolyai University, Cluj-Napoca in Rumänien stattfinden. Die [Anmeldung](#) läuft bis zum **9. September 2019**. Weitere Informationen finden Sie auf der [Veranstaltungsseite](#).