



Copernicus Supplier Industry Days

With the present announcement, the European Space Agency (ESA) informs Companies, including Small and Medium-sized Enterprises (SME), about the Copernicus Supplier Industry Days whose aim it is to foster the dialogue between prime bidders and suppliers in view of the forthcoming ITT's for the development of the future Copernicus Sentinels.

This event will take place on **27 and 28 March 2019** at:

NH Conference Centre Leeuwenhorst

Langelaan 3

2211 XT Noordwijkerhout

The Netherlands

+31 25 237 8888

<https://www.nh-hotels.nl/hotel/nh-noordwijk-conference-centre-leeuwenhorst>

(for directions and maps)

Copernicus Expansion background

Copernicus has been established to fulfil the growing need amongst European policy-makers to access accurate and timely information services to better manage the environment, understand and mitigate the effects of climate change and ensure civil security. Sentinels data is exploited by ESA and EUMETSAT and provided with free, full and open access to Copernicus users.

To ensure the operational provision of Earth-observation data, the Copernicus Space Component (CSC) includes today a series of space missions called 'Sentinels', which are being developed by ESA for the European Commission (EC), several of which have already entered their operational life, the remaining being targeted for launch in the coming years.

A number of potential future Sentinels, addressed as High Priority Candidate Missions (HPCM), have been identified by the European Commission as priorities for implementation in the coming years by providing additional capabilities in support of current emerging user needs.

These potential future missions are:

- **Anthropogenic CO₂ monitoring mission (CO₂M)**

This mission aims to establish the space component of the planned European capacity analyse, using CO₂ satellite observations, the man-made CO₂ emissions and overall CO₂ budget at country and regional/megacity scales and assess the effectiveness of the relevant COP21 decisions. This requires the capability to provide satellite accurate and consistent quantification of anthropogenic CO₂ emission and their trends. Auxiliary observations NO₂ and aerosol are considered to support the mission objective.

- **Land Surface Temperature Monitoring Mission (LSTM)**

This mission shall be able to complement the current visible (VIS) and near-infrared (NIR) Copernicus observations with high spatio-temporal resolution Thermal Infrared observations over land and coastal regions in support of agriculture management services and possibly a range of additional services.

- **Polar Ice and Snow Topographic Mission (P-ICE)**

This mission shall provide enhanced land ice elevation and sea ice thickness measurements implementing higher spatial resolution for improved lead detection and additional capability to determine snow loading on sea ice.

- **Passive Microwave Imaging Mission (CIMR)**

This mission shall provide improved continuity of sea ice concentration monitoring missions, in particular in terms of spatial resolution (15 km), temporal resolution (sub-daily) and accuracy (in particular near the ice edges).

- **HyperSpectral Imaging Mission (CHIME)**

This mission aims to augment the Copernicus space component with precise spectroscopic measurements to derive quantitative surface characteristics supporting the monitoring, implementation and improvement of a range of policies in the domain of raw materials, agriculture, soils, food security, biodiversity, environmental degradation and hazards, inland and coastal waters, snow, forestry and the urban environment.

- **L-Band SAR Mission (ROSE-L)**

This mission is responding to the requirements expressed by both the Land Monitoring and the Emergency Management services. Its target applications are soil moisture, crop type discrimination, forest type/forest cover (in support to biomass estimation), food security and precision farming. In addition, the mission will contribute to the monitoring of ice extent in the polar region. Other emerging applications will be possible by the synergetic and complementary observations with C band and X band SAR systems.



The implementation flow of the CSC expansion programme considers the following schedule:

- Execution of the Phase A-B1 in the 2018-2019 timeframe (currently on-going)
- Invitation To Tender for the various missions to be released between end July and mid November 2019 (these missions are for subscription, for the ESA part, at the Ministerial Council Space19+, to be held in Sevilla, on 27-28 November 2019)
- Phase B2/C/D/E1 KO of the six missions is planned to take place by mid-2020.

The Copernicus Supplier Industry Days

Prospective prime bidders will be requested to submit their offers in the timeframe specified above (end July – mid November 2019). The detailed calendar of the ITT publication (mission by mission) and of proposal due dates will be presented at the event. Each industrial offer shall cover the complete industrial team, with the only exception of Ground Support equipment and SCOE (that will be procured later on according to the Best Practices methodology).

In order to facilitate the exchange and building relationships between prospective primes on one side and interested suppliers on the other side, the Agency has organised the Copernicus Suppliers Industry Days focused on the preparation of the industrial offers for the six missions listed above.

Please note that the **registration is MANDATORY** for attending this event (see details below).

A detailed agenda for both days will be sent prior to the event to registered companies, together with a list of registered companies/participants.

To participate to this event, please **register** by sending an email to:

Ms Claudia Wildner

email: claudia.wildner@esa.int

tel : +31 71 565 8331

not later than **12 March 2019**, indicating your name, company, role and contact details.

For logistic reasons, participation is limited to the strict minimum number of 2 participants per company.