COSMOS2020 NEWSLETTER #22

05 December 2016

New H2020 Annotated grant agreement

The H2020 Annotated Model Grant Agreement version 2.2 is now available on the Participant Portal.

The latest version of the AGA reflects the changes in the Model Grant Agreements v3.0. The "history of changes" lists the articles which have been updated. As it was the case with the previous update, indents or sections with new explanations are marked with a small green sign on the left-hand margin. In addition, new rules that apply in principle only for grant agreements signed with version 3.0 are marked with a green sign '3.0>>'.

Full Annotated Model Grant Agreement & *Guide to amendment types*

Horizon 2020 space – guidance documents for the 2017 calls for proposals

The guidance documents provide additional information for applicants who wish to apply to specific topics in the work programme (open calls).

Call for proposals H2020-EO-2017

Topic EO-2-2017: EO Big Data Shift

- Guidance document EO-2-2017
- Annex: Operational Implementation Plan

Call for proposals H2020-COMPET-2017

Topic COMPET-1-2017: Technologies for European non-dependence and competitiveness

- Excerpt from "Critical Space Technologies for European Strategic Non-Dependence: Actions for 2015/2017"
- Critical Space Technologies for European Strategic Non-Dependence

You can also consult additional information on the availability of Copernicus Sentinel Data and access to Copernicus Contributing Mission data.

COSMOS2020 is financed by the European Commission, DG Enterprise and Industry within Horizon 2020, the European Union's Framework Programme for Research and Innovation

Study to examine the socio-economic impact of Copernicus in the EU

The European Commission has published the „Study to examine the socio-economic impact of Copernicus in the EU – Report on the Copernicus downstream sector and user benefits".

The purpose of the study is to provide a detailed review of the impact of the Copernicus programme on the EO downstream market, with a focus on ten downstream domains/user segments ensembles – referred to here as 'value chains'.

The selected value chains are: Agriculture, Forestry, Urban monitoring, Insurance with a particular focus on natural hazards, Ocean monitoring, Oil & Gas, Renewables energies, and Air quality management, as well as two benchmark value chains which are Landsat and EO 2.0 actors.

The study offers useful background information for researchers interested in the currently open H2020 Space Calls.

Read more

Stakeholder Consultation Workshop – H2020 Space Work Programme 2018-2020: Presentations online

The workshop was organised in the context of preparing the next work programme of Horizon 2020 for 2018-2020, as well as the transition to the next EU research and innovation framework programme.

This exercise was aligned with the European Commission's initiative of defining a Space Strategy for Europe. Building upon previous stakeholder consultation steps, the workshop gathered complementary input from the European space sector, including industry, research organisations, academia and users, on the content of the Horizon 2020 LEIT-Space Work Programme 2018-2020.

The presentations are now published!

Presentations & Agenda

2016 GNSS User Technology Report

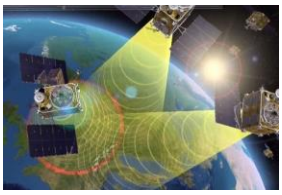
The 2016 GNSS User Technology Report is the go-to source for comprehensive knowledge and information on the dynamic, global GNSS user technology industry and the latest trends.

The publication takes an in-depth look at the latest in state-of-the-art GNSS receiver technology, along with providing expert analysis on the evolutionary trends that are set to redefine the global GNSS landscape.

The report – a sister publication to the GNSS Market Report – focuses on three key macrosegments:

- mass market solutions
- transport safety and liability-critical solutions
- high precision, timing and asset management solutions

Read more



European EGNOS technology for South Korea

Technology developed as part of Europe's satellite navigation-augmenting EGNOS system has been sold to South Korea to serve its national equivalent system.

Thales Alenia Space has signed a contract with South Korea's space agency, the Korea Aerospace Research Institute, to supply ground infrastructure for the Korea Augmentation Satellite System, KASS, on behalf of the South Korean Ministry of Land, Infrastructure and Transport.

Read more

BELS Calls for Expression of Interest

The latest Young Graduate Trainee (YGT) opportunities at ESA have recently been published.

Do you have a GNSS application, a new GNSS hardware or software? Do you wish to explore market possibilities in South East Asia? Grab this opportunity and apply now for one of the two BELS Calls!

Read more

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First views of Mars show potential for ESA's new orbiter

ESA's new ExoMars orbiter has tested its suite of instruments in orbit for the first time, hinting at a great potential for future observations.

The Trace Gas Orbiter, or TGO, a joint endeavour between ESA and Roscosmos, arrived at Mars on 19 October. It spent the last two orbits during 20–28 November testing its four science instruments for the first time since arrival, and making important calibration measurements.

Data from the first orbit has been made available for this release to illustrate the range of observations to be expected once the craft arrives into its near-circular 400 km-altitude orbit late next year. TGO's main goal is to make a detailed inventory of rare gases that make up less than 1% of the atmosphere's volume, including methane, water vapour, nitrogen dioxide and acetylene.

Read more

CaSSIS sends first images from Mars orbit

The Mars Camera, CaSSIS, on the ExoMars Trace Gas Orbiter captured its first high resolution images of the Red Planet last week. The Bernese camera worked almost perfectly and has provided spectacular views of the surface.

CaSSIS (Colour and Stereo Surface Imaging System) has been developed by a team from the University of Bern led by Prof. Nicolas Thomas from the Center of Space and Habitability (CSH). It was launched with the European Space Agency's ExoMars Trace Gas Orbiter (TGO) on 14 March 2016. TGO entered orbit around Mars on 19 October. The onboard camera, CaSSIS, has returned its first images from orbit. «The first images we received are absolutely spectacular – and it was only meant to be a test. A lot of public attention has been on the failed landing of Schiaparelli, but TGO has been working really well so we have been extremely busy in the past month», says Nicolas Thomas.

The Bern team has spent much of the time planning the observation sequences for the two close approaches. A total of 11 images were returned during the first fly-by. The spacecraft passed over a region called Hebes Chasma at its closest approach. «We saw Hebes Chasma at 2.8 metres per pixel», says Thomas. «That's a bit like flying over Bern at 15'000 kilometres per hour and simultaneously getting sharp pictures of cars in Zurich.»

Have a look!