



part of



EUROPEAN  
SPACE  
WEEK

# Satellite Masters Conference & Horizon 2020 Space Info Day

## Programme

7 – 9 November 2017, Tallinn/Estonia

under the auspices of



Estonian Presidency  
of the Council of the  
European Union

powered by



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07  
NOV

📍 Hilton  
Park Tallinn

## 1<sup>st</sup> Day, Satellite Masters Conference

Master of Ceremonies: **Matthias Engler**, Content Marketing Manager, AZO Anwendungszentrum GmbH Oberpfaffenhofen

14:30

### Opening and Greetings

**Thorsten Rudolph**, Managing Director, AZO Anwendungszentrum GmbH Oberpfaffenhofen

**Merike Saks**, Secretary General, Estonian Federal Ministry of Economic Affairs and Communications (MEAC)

**Markku Markkula**, 1<sup>st</sup> Vice President, European Committee of the Regions (CoR)

15:00

### Business Roundtable “Space Programmes fostering European Integration”

2017 marks a significant year for both the European Union and Europe’s flagship space programmes – Copernicus, Galileo and EGNOS. For 60 years, European nations have been working together towards a common goal: a peaceful, united and prosperous Europe. By strengthening cooperation and integration in various fields – but above all in space – and by using cutting-edge technology, the European nations are constantly moving forward towards a digital single market. Despite current tendencies that are threatening to pull Europe apart, they have created something that no single nation could have achieved on its own. The European space programmes strengthen international partnerships and global security, thus boosting knowledge-based growth and competitiveness all across Europe. Prominent panellists from the realms of politics, research, and industry will discuss how space policy can further contribute to a safe and secure Europe for the benefit of consumers, producers and businesses. Explore how free movement of data and new funding moderated by **Louise Houghton**, Broadcast Journalist, DWTV

#### Panelists:

**Andreas Veispak**, Head of Unit I3, Space Data for Societal Challenges and Growth, European Commission (COM)

**Philippe Jean**, Head of Unit for Legal and Institutional Aspects – EU Satellite Navigation Programmes Galileo and EGNOS, European Commission (COM)

**Gian-Gherardo Calini**, Head of Market Development, European GNSS Agency (GSA)

**Simon Jutz**, Head of Copernicus Space Office, Directorate of Earth Observation Programmes, European Space Agency (ESA)

**Dr Rolf-Dieter Fischer**, Director of Technology Marketing, German Aerospace Center (DLR)

**Rainer Sternfeld**, Founder, Planet OS (acquired by Intertrust)

[Q&A](#)

19:00

📍 Seaplane  
Harbour Museum

### Awards Ceremony of Copernicus Masters & European Satellite Navigation Competition



The 2017 joint Awards Ceremony of Europe’s major innovation competitions for space applications – the Copernicus Masters and the European Satellite Navigation Competition (ESNC) – will recognise the year’s most outstanding applications for Copernicus and Galileo in various categories. The prizes will be presented by high-ranking representatives from politics, industry entities, research organisations, and other institutions.

08  
NOV

📍 Radisson  
Blu Sky Hotel

2<sup>nd</sup> Day, Satellite Masters Conference & Horizon 2020 Space Info Day  
Master of Ceremonies: **Matthias Engler**, Content Marketing Manager, AZO Anwendungszentrum GmbH Oberpfaffenhofen

08:00

### Matchmaking organised by COSMOS

Participants are invited to pre-book bilateral meetings with other participants. Within the registration it is possible to opt for the Matchmaking session in the morning. Via email registrants will later be invited to look for other participants and ask for meetings with them. Individual meeting agendas will be created to enable the best possible match of bilateral meetings within the hour between 8:00 and 9:00.

[Contact:](#)

**Dr Adrian Klein:** [Matchmaking@eusw2017.eu](mailto:Matchmaking@eusw2017.eu)

09:00

### Opening

**Urve Palo**, Minister of Entrepreneurship and Information Technology of the Republic of Estonia

**Pierre Delsaux**, Deputy Director General, DG Internal Market, Industry, Entrepreneurship and SMEs, European Commission (COM)

**Prof Dr Johann-Dietrich Wörner**, Director General, European Space Agency (ESA)

**Thorsten Rudolph**, Managing Director, AZO Anwendungszentrum GmbH Oberpfaffenhofen

09:30

### **Session** Horizon 2020 Space Info Day

The European Commission will present the latest Horizon 2020 Work Programme 2018-2020 – Space and information will be provided on how to participate. The presentation will be followed by a Q&A session.

Horizon 2020 Space Work Programme 2018 – 2020, **Apostolia Karamali**, Deputy Head of Unit I1, Space Policy and Research, European Commission (COM)

[Rules of Participation and proposal evaluation process,](#)

**Marko Curavić**, Head of Unit, Research Executive Agency (REA) &

**Gian-Gherardo Calini**, Head of Market Development, European GNSS Agency (GSA) &

**Gregor Novak**, Project Advisor, Executive Agency for SMEs (EASME)

[Q&A](#)

11:00

Coffee Break

11:30 – 12:15	<p><b>Session</b> <b>Small Satellites – Big Business</b></p> <p>By leveraging the latest technological advancements, small satellites have been evolving rapidly in the past few years and are set to take a fresh look at planet Earth. Explore the possibilities small satellites provide to foster growth in the commercial EO (Earth observation) market and boost the competitiveness of the space industry in Europe and beyond. This session illuminates the impact ground-breaking satellite design, development and operations approaches have on existing and planned space infrastructure.</p> <p><b>ESA and New Space activities – Small satellites at the forefront of disruptive ideas</b>, <b>Dr Thomas Beer</b>, Copernicus Policy Coordinator, Copernicus Space Office, European Space Agency</p> <p><b>Agile Aerospace and Commercial Products</b>, <b>Robbie Schingler</b>, Co-Founder and Chief Strategy Officer, Planet FSSCat: GNSS Sensing of Land and Cryosphere... towards federated EO Systems, <b>Adriano Camps</b>, Professor, Universitat Politècnica de Catalunya</p> <p><b>New challenges for Earth Observation for security &amp; defense</b> <b>Pascla Legai</b>, Director, SatCen</p>	<p><b>Parallel Workshop 1</b> <b>Space Technologies, Science &amp; Exploration, Secure &amp; Safe Space Environment</b></p> <p>Registered participants will receive detailed information about the upcoming 2018/2019 calls for proposals included in the Horizon 2020 Work Programme 2018-2020 – Space. Experts will be on hand to answer questions and give an insight into the specific challenge, scope and expected impact per topic.</p> <p>moderated by <b>Mats Ljungqvist</b>, Policy Officer, European Commission (COM)</p> <p><b>Space Technologies</b>, <b>Salvatore Pignataro</b>, Policy Officer, European Commission (COM)</p> <p><b>Access to space and In-orbit validation/demonstration</b>, <b>Jean-Michel Monthiller</b>, Policy Officer, European Commission (COM)</p> <p><b>Space Electric Propulsion Technology SRC</b>, <b>Jorge Lopez Reig</b>, Aerospace Programme Manager, Centre for the Development of Industrial Technology (CDTI)</p> <p><b>SR – Space Robotics Technologies</b>, <b>Daniel Noelke</b> Program/Project Manager, EU PSA Delegate, German Aerospace Center (DLR)</p> <p><b>Secure and Safe Space Environment (SST; Space Weather; Space traffic management; NEOs)</b>, <b>Salvatore Pignataro</b>, Policy Officer, European Commission (COM)</p> <p><b>Q&amp;A</b></p>	<p><b>Parallel Workshop 2</b> <b>EGNSS – EGNOS and Galileo</b></p> <p>Registered participants will receive detailed information about the upcoming 2018/2019 calls for proposals included in the Horizon 2020 Work Programme 2018-2020 – Space. Experts will be on hand to answer questions and give an insight into the specific challenge, scope and expected impact per topic.</p> <p>moderated by <b>Philippe Jean</b>, Head of Unit for Legal and Institutional Aspects – EU Satellite Navigation Programmes Galileo and EGNOS, European Commission (COM)</p> <p><b>EGNSS status update</b>, <b>Hillar Tork</b>, Services and Exploitation, EU Satellite Navigation Programme, European Commission (COM) &amp; <b>Tina Mede</b>, Applications, Security, International Cooperation, EU Satellite Navigation Programme, European Commission (COM)</p> <p><b>EGNSS market uptake and Fundamental Elements</b>, <b>Gian-Gherardo Calini</b>, Head of Market Development, European GNSS Agency (GSA)</p> <p><b>Synergies with other parts of the Horizon 2020 Work Programme 2018–2020</b>, <b>Tina Mede</b>, Applications, Security, International Cooperation, EU Satellite Navigation Programme, European Commission (COM)</p> <p><b>Galileo/EGNOS Evolution, infrastructure-related R&amp;D activities</b>, <b>Hillar Tork</b>, Services and Exploitation, EU Satellite Navigation Programme, European Commission (COM)</p> <p><b>Q&amp;A</b></p>
12:15 – 13:00	<p><b>Snapshot</b> <b>Rising Stars – Winners of the Copernicus Masters &amp; ESNC 2017</b></p>		
13:00	Lunch Break		

14:00

### Roundtable Space Data Shaping the Future of Smart Cities

When rethinking urban living, the question of urban space use is paramount. The implementation of 'smart technologies' carries the promise of planning for functioning, efficient cities. What role does space technology play in spatial planning and urban transport? How can cities enhance public life and serve people while also providing sustainable infrastructure? This roundtable will discuss how data from space can leverage sustainable living in the cities of the future and foster smart urbanisation. Learn how the latest trends in smart cities are influenced by space and receive first-hand information from experts who will share their experience.

moderated by **Fiammetta Diani**, Deputy Head of Market Development, European GNSS Agency (GSA)

#### Panelists:

**Paul Verhoef**, Director of Navigation, European Space Agency (ESA)

**Eric Perez**, Optical Programs and Imagery Director, Airbus Defence and Space

**Ralf-Martin Soe**, R&D Development Manager, Counsellor to the Minister, Estonian Federal Ministry of Economic Affairs and Communications (MEAC)

**Jurgo Preden**, CEO, Thinnect

[Q&A](#)

### Parallel Workshop 3 Earth Observation

Registered participants will receive detailed information about the upcoming 2018/2019 calls for proposals included in the Horizon 2020 Work Programme 2018-2020 – Space. Experts will be on hand to answer questions and give an insight into the specific challenge, scope and expected impact per topic.

moderated by **Mats Ljungqvist**, Policy Officer, European Commission (COM)

[Copernicus market uptake and international cooperation/ EuroGEOSS](#), **Andreas Veispak**, Head of Unit I3, Space Data for Societal Challenges and Growth, European Commission (COM) & **Marjan van Meerloo**, Policy Officer, European Commission (COM)

[Copernicus mission and services evolution](#), **Cristina Ananasso**, Policy Officer, European Commission (COM)

[Synergies with other parts of the Horizon 2020 Work Programme 2018-2020](#), **Cristina Ananasso**, Policy Officer, European Commission (COM)

[EO Technologies](#), **Cristina Ananasso**, Policy Officer, European Commission (COM)

[Q&A](#)

### Parallel Workshop 4 Space Business, Entrepreneurship, Outreach and Education

Registered participants will receive detailed information about the upcoming 2018/2019 calls for proposals included in the Horizon 2020 Work Programme 2018-2020 – Space. Experts will be on hand to answer questions and give an insight into the specific challenge, scope and expected impact per topic.

moderated by **Apostolia Karamali**, Deputy Head of Unit I1, Space Policy and Research, European Commission (COM)

[Support to space hubs and start-ups](#), **Thibaud Delourme**, Team Leader, European Commission (COM)

[Space outreach and education](#), **Sylvie Ijsselstein**, Policy Officer, European Commission (COM)

[European Innovation Council \(EIC\) prize "Low cost Space Launch"](#), **Jean-Michel Monthiller**, Policy Officer, European Commission (COM)

[Fast Track to Innovation and SME Instrument](#), **Gregor Novak**, Project Advisor, Executive Agency for SMEs (EASME)

[Q&A](#)

15:00	<b>Snapshot</b> Rising Stars – Winners of the Copernicus Masters & ESNC 2017
15:45	Coffee Break
16:15	<b>Session</b> Sustainable Development Sustainable development concerns all of us. Discover how space technology helps achieve the UN's Sustainable Development Goals (SDGs). Gain insights into new and cost-effective environmental as well as societal services tackling global challenges such as poverty and hunger. Satellites opening opportunities in sustainable development, <b>Sam Adlen</b> , Chief Strategy Officer, SA Catapult Using Satellite Information and Digital Approaches to Support Sustainable Agriculture, <b>Elisabeth Becker</b> , Project Manager Research, BayWa FieldSense – professional precision farming, <b>John Smedegaard</b> , CEO, CEPTU
17:00	<b>Snapshot</b> Rising Stars – Winners of the Copernicus Masters & ESNC 2017
19:00	<b>Evening Event</b> Satellite Masters & Horizon 2020 Space Info Day 📍 Von Krah! Theater

09  
Nov

📍 Radisson  
Blu Sky Hotel

3<sup>rd</sup> Day, Satellite Masters Conference & Horizon 2020 Space Info Day  
Master of Ceremonies: **Matthias Engler**, Content Marketing Manager, AZO Anwendungszentrum GmbH Oberpfaffenhofen

09:00

### Opening Day Finance and Space

moderated by **Paul Liias**, Expert in Space Technologies, Estonian Federal Ministry of Economic Affairs and Communications (MEAC)

**Tytus Michalski**, Managing Partner, Fresco Capital

**Uli W. Fricke**, Committee Member, EBAN Space

10:00

### Roundtable Supporting Growth & Entrepreneurship

Entrepreneurs and their new business ideas are key to ensure Europe's growth and competitiveness. How can companies and jobs be created from these ideas? Which tools are essential in supporting startups, which ones not so much, and why? How important is it to provide business support and funding at the regional level, and which cultural differences need to be taken into account in the process of forming entrepreneurial ecosystems? These types of questions, best practices and future trends will be discussed by the participating luminaries of innovation and entrepreneurship of this roundtable discussion from around the world. Their visions and experience in improving existing support infrastructures will help inspire young entrepreneurs to transform their space-related business ideas into commercial ventures.

moderated by **Candace Johnson**, President, EBAN

#### Panelists:

**Gregor Novak**, Project Advisor, Executive Agency for SMEs (EASME)

**Lluc Diaz**, Business Incubation and Technology Transfer Officer, European Space Agency (ESA)

**Tor-Arne Grönland**, CEO, NanoSpace AB (acquired by GomSpace)

**Taavi Madiberk**, CEO, Skeleton Technologies

**Stephan Reckie**, Managing Member, Angelus Funding

[Q&A](#)

11:00

Coffee Break

11:30

### Roundtable Economics in the Space Sector

The Space Sector is changing rapidly and startup companies are competing with the old space industry. Miniaturization, private capital and easier access to space have led to growth of private space companies worldwide. Startups are building satellite constellations for EO and IoT, space exploration and telecom. The so called NewSpace companies are focusing more on software development and using space technologies to create novel services.

moderated by **Sarah Cruddas**, Space Journalist, Broadcaster and Author

#### Panelists:

**Tuomas Tikka**, CEO/Founder, Reaktor Space Lab

**Stefan Gustafsson**, Senior Vice President, Strategy & Sustainable Business, Swedish Space Corporation SSC

**Dallas Kasaboski**, Analyst, Market Research, and Consulting, Northern Sky Research (NSR)

**Jesus Marcos-Olaya**, Space, Security and Defense Director, TECNALIA

**Kalle Kügi**, VP, Corporate Development & Regional Manager, Baltics, Intertrust Technologies

[Q&A](#)

12:30

Lunch Break

13:30

### **Session** European Success Stories

Nanosats.eu – From FP7 project to established source on nanosatellite applications, **Erik Kulu**, Nanosatellite Expert, Nanosats.eu (FP7)

ICEYE – Global monitoring, **Pekka Laurila**, CFO, ICEYE

Enabling Chemical Propulsion System for the Growing Small Satellite Market, **Vytenis Buzas**, CEO, NanoAvionics

APOLLO – Advisory Services for Small Farmers Based on EO, **Stelios Kotsopoulos**, Scientific Programmer, DRAXIS Environmental Technologies

A Drone Center for H2020 Testing & Evaluation, **Marc Beltran**, COO, BCN Drone Center

14:30

### **Roundtable** Future of Space Research

The Space Strategy underlines that Europe needs to maintain and further strengthen its world-class capacity to conceive, develop, launch, operate and exploit space systems. Space research is identified as a means to foster competitiveness and the emergence of an entrepreneurial ecosystem. The roundtable will address the challenges that will need to be tackled and the means and tools that will have to be deployed by space research beyond the current programming.

moderated by **Apostolia Karamali**, Deputy Head of Unit, Space Policy and Research, European Commission (COM)

**Panelists:**

**Gerhard Paar**, Key Researcher Space Robotics / 3D Vision, JOANNEUM RESEARCH; European Science Foundation (ESF)

**Vidmantas Tomkus**, Director, Lithuanian Aerospace Association (SME4Space)

**Giuseppe Morsillo**, Secretary General ASD, Eurospace

**Geoff Sawyer**, Secretary General, EARS

**Fulvio Sansone**, Senior Advisor, ESOA

[Q&A](#)

15:30

### Closing remarks

**Viljar Lubi**, Deputy Secretary General for Economic Development, Estonian Federal Ministry of Economic Affairs and Communications (MEAC)

**Thorsten Rudolph**, Managing Director, AZO Anwendungszentrum GmbH Oberpfaffenhofen

**Andreas Veispak**, Head of Unit I3, Space Data for Societal Challenges and Growth, European Commission (COM)

16:00

Coffee Break

16:30

Shuttles to the Airport

19:00

[Informal Networking Event in Tallinn Old Town](#)