



Programme: 12th ESSCA Space Policy Workshop

Space and Sustainability

Date: Tuesday 27th and Wednesday 28th April, 2021

Convener: Space Policy Research Group: T. Hoerber, ESSCA EU-Asia Institute

Venue: Online via Webex

Day 1: 27 April 2021

I. **Introduction:** (13.30-14:00)

- Short Introduction on the past activities of the ESSCA Standing Research group on European Space Policy, Prof Thomas Hoerber
- Current publication projects:
 - o The Commercialisation of Space, editors: Sarah Lieberman and Harald Koepping Athanasopoulos
 - o The Militarisation of Space, editors: Iraklis Oikonomou, Thomas Hoerber
- Short Introduction of ESA and ESRIN by Prof Pascal Legai

II. **Afternoon Session:** (14.00-17:00)

Section 1: Economic Sustainability

- **Dr Christina Giannopapa**, ESA, *Space as an enabler for sustainable digital transformation: The case of Greece*
- **Prof Pascal Legai**, ESRIN, *The controlled use of space launchers, an essential condition for sustainability*
- **Maxime Nicolas**, ESSCA, *The Importance of Foreign direct Investment of private Companies operating in the Space Industry*

Coffee/Tea break

- **Pierro Messina**, ESA, **Maria Vittoria Prest**, ESA, *Space enabled “autonomous” ships: a nexus to contribute to the sustainability of the Earth system*
- **Discussion on Section 1**



Day 2: 28 April, 2021

III. **Morning Session :** (9:30-12:30)

Section 2: Economic and Political Sustainability

- **Andrew Thomas**, Unaffiliated Researcher, *The new British Vertical-launch Spaceport: A PESTLE analysis*
- **Laurène Laffin**, ESSCA, *Space and Sustainability - 5G for a European Political Sustainability*

Coffee/Tea break

- **Dr Nina Klimburg-Witjes**, University of Vienna, *Rocket Politics: Ariane and European Sustainability Discourses in the New Space Age*
- **Discussion on Section 2**

IV. **Lunch break** (12:30-13.30)

V. **Afternoon Session:** (13.30-16.30)

Section 3: Social and environmental Sustainability

- **Dr Lorna Ryan**, City University, London, *Sustainability and Data Protection*
- **Prof Antonella Forganni**, ESSCA, *Cultural goods and space activities*
- **Elisabetta Lamboglia**, ESTEC, *The benefit of Full, Free and Open Satellite geoinformation for detecting and monitoring socio-economic factors on land use*

Coffee/Tea break

- **Dr Sarah Lieberman**, Canterbury Christ Church University, *Sustainable Development and Space Activity: A Compatibility Oxymoron?*
- **Discussion on Section 3**

VI. **Conclusions** (16:30-17:00)

- Resumé of the workshop, Prof Thomas Hoerber, Prof Pascal Legai
- Publication perspectives in the Space Power and Politics Series with Routledge, Dr Lorna Ryan
- Thank you to ESA and ESRIN for the generous funding of this workshop