

SIRIUS Space Talks'26

Orbital Data Infrastructures: Emerging Paradigms in Space Connectivity

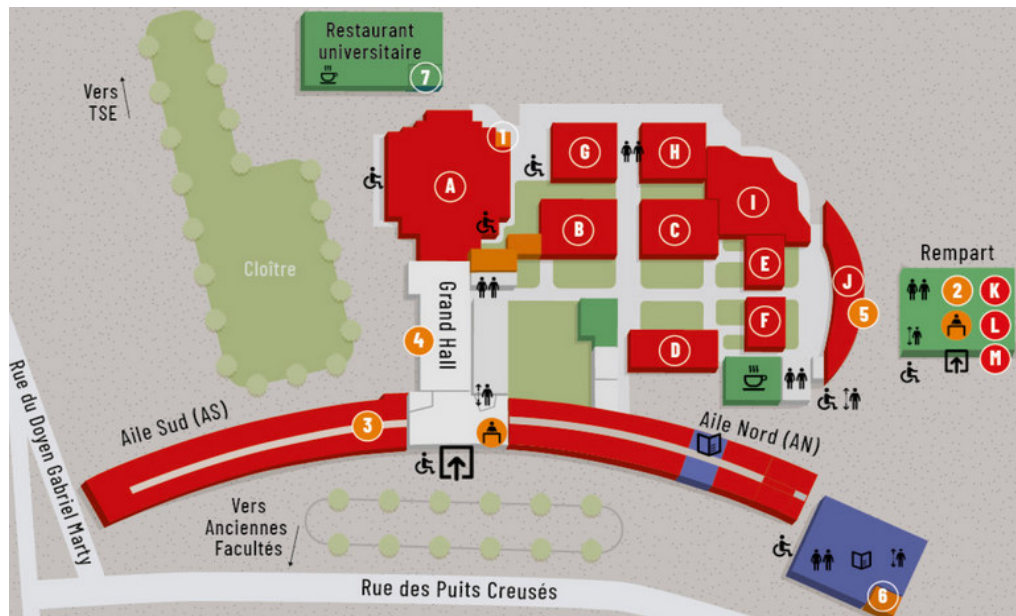
LABELLISÉ
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SIRIUS Space Talks'26 explores the emergence of orbital data infrastructures and their growing role in connectivity, data services and the space economy. Bringing together researchers, legal experts and industry representatives, the symposium will examine the governance, sovereignty, accountability and regulation of satellite constellations, orbital data centers and Earth observation data. It will also consider the implications for industry and emerging European regulation, with a central question: how can law and governance keep pace with the transformation of space into a data-intensive infrastructure?

GETTING TO TOULOUSE CAPITOLE UNIVERSITY

- **By car:** take the Ponts Jumeaux-Amidonniers exit (exit 30). Paid underground parking (Compans Caffarelli car park)
- **By train:** take the metro to Place du Capitole. On foot, follow Rue Romiguières and then turn onto Rue Deville.
- **By plane:** shuttle buses connect the airport to the city centre. The closest stop to the university is Compans Caffarelli. Then walk along Rue Lascrosse, then take Rue des Puits Creusés.

Map of the Arsenal: AMPHI E Conference



Registration : <https://spacetalks26.sciencesconf.org/>

Organisation : Lucien Rapp and Marie-Clotilde Runavot, Toulouse School of Law, Sirius

Contact : marie.merli@ut-capitole.fr



SPACE TALKS' 26

ORBITAL DATA INFRASTRUCTURES : Emerging Paradigms in Global Connectivity

4 december 2026

Université Toulouse Capitole
Bâtiment Arsenal – Amphî Maury E

Inscription en ligne : <https://spacetalks26.sciencesconf.org/>

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en partenariat avec :



MORNING

8:00 / Welcome coffee

9:00 / OPENING SESSION

Welcome Remarks

Introduction to the workshop, *Lucien Rapp, Emeritus Professor, Scientific Director of the SIRIUS Chair, Toulouse School of Law, Toulouse Capitole University, France*

9:45 / Panel 1. Conceptualizing Orbital Data Infrastructure

Session Chair: **Laure Brooker**, Head of Technical Strategy and R&D, Airbus Defence and Space, France

Critical but Under-Regulated: Mapping the Legal Challenges of Governing LEO Constellations as Space-Based Infrastructure, **Romane Croizet-Fontane**, Université Côte d’Azur – LADIE, France

Orbital Data Centers and Data Protection: at the Crossroads of International Space Law and European Law, **Anne-Sophie Martin**, Sapienza University of Rome, Italy

Earth Observation Data Ownership and Protection through the Lens of Intellectual Property, **Giulia Priotti**, National PhD Programme in Space Science and Technology (SST), Italy

Discussion : Discutant: **Tanja Masson-Swaan**, Assistant Professor and Deputy Director of the International Institute of Air and Space Law at Leiden University, The Netherlands

Break

11:45 / Panel 2. Sovereignty, Accountability and Regulatory Oversight

Session Chair: **Laurent Deroin**, Strategy Directorate, Deputy Director for Programmes, Scientific Coordinator, CNES, France

Data Governance, State Sovereignty and Accountability in the Age of Commercial Satellite Mega-Constellations, **Sanchi Dhamija**, Business Contract Advisor at Bombardier Inc., Canada

Liability, Compliance and Oversight Mechanisms for Satellite Operators and Data Providers, **Helen Tung**, Lawyer and Associate Professor of Law, United Kingdom and Australia

Distributed Satellite Systems: Ownership and Liability Considerations, **Antonia Kardamaki**, Leiden University, The Netherlands

Discussion : Discutant: **Mahulena Hofmann**, Professor, SES Chair in Satellite Communication and Media Law, Faculty of Law, Economics and Finance, University of Luxembourg, Luxembourg

Lunch

AFTERNOON

14:00 / Talk: "Connecting Space to Earth: The Ground Segment's Role in Global Connectivity"

Speaker : **Pierre Bertrand**, Co-founder & CEO, Skynopy

Co-moderators: **Victor Dos Santos**, Associate Professor, SIRIUS Chair, TBS Education & **Marie-Clotilde Runavot**, Professor, SIRIUS Chair, Toulouse School of Law, Toulouse Capitole University, France

Discussion

15:00 / Panel 3. Sectoral and Environmental Applications

Session Chair: **Alexandre Garus**, Ecosystem and Strategic Insight Manager, Thales Alenia Space, France

From Orbit to Ocean Policy: Leveraging Space-based Data for Maritime Environmental Compliance and Resilience , **Jordi Sandalinas**, Space law, Spain

Between Signal and Promise: Interpreting and Evaluating Weak Signals of Potentially Disruptive Innovation in the French Space Sector, **Zouher El Kawas & Victor Dos Santos**, SIRIUS Chair, TBS Education, France

Break

The EU Space Act and Composite Supervision: Methodological Reflections on EU Space Regulation, **Raoul Cardellini Leipertz**, School of Advanced Defence Studies (CASD/SSU), Italy

Legal implications of Satellite Data Use in Insurance Markets, **Salomé Paradis**, Phd. candidate, Toulouse School of Law, Toulouse Capitole University, France and Laval University, Canada

Discussion : Discutant: **Lesley-Jane Smith**, Professor, Leuphana University, Germany

17:30 / Conclusions