



# Space Acting for Decarbonisation WORKSHOP AGENDA

**Place :** Euro Space Center - Transinne (BE)

**Date :** 17 & 18th of April 2023

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**Building  
and Energy  
Utilities**

**Register here !**



**Food  
Production**



# Agenda 17 April

## Space Acting For Decarbonisation Workshop – 1<sup>st</sup> Day

18:00-18:30 : **Arrival and Registration**

18:30 - 18:45: **Welcome and Introduction** [Filippo Iodice - Matteo Manieri -TPZB]

- Introduction to the Workshop
- Introduction to Decarbonisation

18:45 - 18:55: **The role and focus of Telespazio Belgium on Decarbonisation** [CEO TPZB Federico ROSSI]

18:55 - 19:05: **Sustainability: Telespazio Group engagement path**  
*[Ioannone Alissa Innovative Solution Developer ITG-SU]*

19:05 - 19:15: **Managing Political and Social Expectations for the Use of Space Technologies in Decarbonization Efforts.** *[Dominique Tilmans]*

19:15 - 19:30: **A sustainable vision for space: The ESA Business Applications Programme and its funding opportunities.** *[Annekatrien Debien Belgium Space Business Applications Ambassador]*

19:30 - 19:40: **Exploring the intersection of Space Security and Sustainability : Meet the Head of European Space security and Education Centre – ESEC** *[Jean-Luc Trullemans, Head of European Space security and Education Centre – ESEC]*

19:40-19:50 : **Decarbonizing Food Production and Building, Energy, and Utilities: Our Goals and Future Objectives** *[Massimiliano Mascia TPZB]*

19:40 - 20:00: **Discussion-Q&A**

20:00: **Networking-Dinner**

European Space Agency (ESA)  
in connection with the generic  
programme line ARTES 4.0 Business  
Applications - Space Solutions (BASS)

[Link Website](#)



# Agenda 18 April

## Space Acting For Decarbonisation Workshop 2<sup>nd</sup> Day

### Welcome and Introduction

- 8-30 – 9.00 Welcome and Registration
- 9:00 - 9:10: Introduction of the workshop objectives and agenda [Filippo Iodice - Matteo Manieri -TPZB]
- 9:10 - 9:25 The ARTES 4.0 Business Applications Space Solutions (BASS) programme line and the decision to invest in Decarbonisation research [Beatrice Barresi - ESA]
- 9:25 - 9:30 Introduction of the facilitators and participants [Filippo Iodice - Matteo Manieri -TPZB]

09:30 - 09:45: **"Satellite Data and Decarbonisation: A Comprehensive Overview of Opportunities and Obstacles"** [Dagla Anastasia TPZB]

09:45 - 10:00: **Contribution of satellite data to decarbonisation: focus on the hyperspectral satellite CHIME** [Antonio Gabriele – ESA CHIME System Engineering and Operations Manager]

10:00 - 10:15: **Decarbonization through Data Processing and AI Modelling: An Insight into the Potential of Max-ICS** [Thomas FRIEDERICH - General Manager Earthlab Luxembourg]

10:15 - 10:30: **coffee break**

## Conferences from 10:30 to 12:00, split in two sessions :

### Buildings – Energy and Utilities - 10:30 to 12:00

#### Decarbonising the Construction and Energy Supply Chain

- Needs, requirements and objectives of the building supply chain to combat and monitor decarbonisation [*Logan Moray, Idelux Group*].
- Infrastructure solutions for decarbonisation on the Wallonia case study [*Vandenbroucke Cedric, Fluxys*]

#### Decarbonisation potential and other green benefits that can be achieved through the use of the innovative, space solutions identified in the Building Sector.

- Revolutionizing Construction : Exploring the impact of Digital Modelling and Information Management for all the Lifetime of an asset [*Anna Moreno BuildingSMART International Board Member*]
- Satellite-Enabled Sustainability : Revolutionizing Green Building Maintenance for Social Structure. [*Nicola De Quattro Head of Innovation and Technology Governance TPZB*]

#### Revolutionizing Construction Logistics: Exploring the Synergy Between Scientific Research, BIM, Blockchain, IoT, and Spatial Data for Decarbonisation [*Umberto Martino blockchain4future*]

### Food Production – 10:30 to 12:00

#### From Farm to Fork: Navigating the Needs, Risks, and Regulations of Decarbonizing the Food Production

#### Ways in which the food and consumer goods industries can decarbonize their supply chains using satellite data

- The potential of satellite data to bring transparency through the decarbonization process [*Pierre Blanchet Co-Founder meteory.eu*].
- Satellite-Enabled Reshoring: Monitoring and Combating Greenwashing for a Sustainable Future [*Matteo Manieri TPZB*]
- The Critical Role of Satellite Data in Agriculture: Exploring Challenges and Opportunities for Data Access and Management [*Fabio Volpe Product Development and Innovative Services EGEOS*]

#### AgroSuite – Optimizing Food Production and Administration through Digital Innovation [*Peter Navratil GAF-AF*]

12:00 - 13:00: **Lunch break**

13:00 - 17:00: **Design Thinking : a collective way to think about the issue and finding solution that answer to the needs.**