LUXEMBOURG EARTH OBSERVATION AND INTEGRATED SPACE APPLICATIONS DAY

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SHORT HISTORY





Luxembourg Earth Observation Day Remote Sensing Applications in Environmental Sciences

Luxembourg Earth Observation Day

Remote sensing applications in hydrology



Centre de Recherche Public Gabriel Lippmann

- 1. 2008: Bourglinster
- 2. 2010: Bourglinster
- 3. 2012: Mondorf
- 4. 2018: Mondorf

□ Typology of presentations

Number of participants/ companies □ Technological evolution

Big data

ECONOMIC IMPORTANCE





Deputy Prime Minister Etienne Schneider "For Luxembourg, the diversification of its economy is an everyday challenge. The **space sector is one of the priority sectors** that Luxembourg has constantly promoted since its entry into space business more than 25 years ago. The efforts to put in place the necessary measures to support the continued strengthening of its space sector clearly demonstrate the longlasting commitment of the Government"

SMART SPACE



New and innovative business opportunities



FUSION OF DATA FROM MULTI SOURCES FOR INTEGRATED SPACE APPLICATIONS







LIST & SMART SPACE





OBJECTIVES OF TODAY



- increase the awareness among users of the potential that space technologies offer
- provide a meeting platform to bring together researchers, service providers and users
- enhance the collaboration between Luxembourg's and the Grande Région's Earth observation community
- □ give an overview of ESA and EU Copernicus programmes
- present the Luxembourgish Copernicus Collaborative Ground Segment

OBJECTIVES



- demonstrate space applications in
 - environmental monitoring and management
 - crisis management
 - □ precision agriculture



OBJECTIVES



demonstrate new technological approaches

- □ satellite constellations
- drones
- □ (big) data analytics











10