



MELiSSA activities in Switzerland

Oliver Botta Swiss Space Office

Swiss Space Policy

3 Main Pillars

- Development and utilization of Space infrastructures to improve the quality of life of our citizens
- Sustainable engagement in exploration for the benefit of innovation and the knowledge society
- Switzerland a competitive and reliable partner

Switzerland safeguards its national interests via selective European and international cooperation:

ESA, EUMETSAT, H2020, COPUOS ...



Swiss Space Implementation Plan (SSIP) 2017

Objective:

To strengthen an innovative and competitive Swiss space sector through an enhanced selective participation in European and international space activities.

Measures:

- Increasing the *excellence and competitiveness* of the Swiss scientific community and industry
- Contribute to the *digital transformation* of Switzerland
- Strengthen the Swiss space ecosystem, specifically to enable *stronger networking and clustering*, and to *promote education and training* initiatives.

Why MELiSSA/ALSS?



Preparation for Space19+



- Interest at Swiss Space Office to consolidate the Swiss MELiSSA/ALSS community.
- SSO organized, in collaboration with ESA, a Workshop in June 2018 to bring the diverse Swiss community, together to exchange ideas, raise awareness on on-going research topics and discuss potential pritorities.
- First step to foster further collaborations within Switzerland and promote international collaboration through ESA.
- Occasion to inform the community about the new programmatic framework at ESA (E3P) and the decisions to eb taken at Space1^{Q+}
- Following the workshop a Position Paper by the community was elaborated, under lead of University of Lausanne and ESTEE.



• Will be presented later during this conference by T. Besson

Projects (non-exhaustive)

- Basic Research & Development
 ✓ BELISSIMA
 - ✓ MELiSSA Food Characterizatio
 - ✓ POMP
- Flight Experiments
 - ✓ BIORAT 1 & 2
- Ground Demonstrators
 - ✓ Oïkosmos
 - ✓ Scorpius protoype
- Terrestrial applications
 - $\checkmark\,$ Water treatment and recycling
- Education and communication
 - ✓ IGLUNA







THANK YOU.

Oliver Botta Swiss Space Office oliver.botta@sbfi.admin.ch

www.melissafoundation.org

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