



Abstract Details

[AOGS 1st Annual Meeting](#) > [Ocean and Atmospheres](#) > **Passive Microwave Instruments Development in ESA's Earth Observation Future Programmes** >

Corresponding Author : Dr. Ulf Klein (ulf.klein@esa.int)

Organization: European Space Agency

Category: Ocean and Atmospheres

Paper ID: 57-OOA-A497

Title: Passive Microwave Instruments Development in ESA's Earth Observation Future Programmes

Abstract:

ESA's Earth Observation Future Programmes is a dedicated component of the Envelop Programme for preparing future missions. Its mandate is to explore and elaborate new satellite mission ideas in cooperation with European and Canadian Earth sciences communities (Earth Explorers), pre-develop next-generation operational meteorological satellite systems in cooperation with EUMETSAT and other pre-operational systems for well-identified user entities and services (Earth Watches). Its responsibility extends up to the end of so-called phase A level where a preliminary feasibility of the mission is established. It also includes instrument pre-developments, leading in some cases to complete demonstrator model testing, or to ground-based or airborne instruments for campaign purposes. Upon selection or confirmation of the missions at the end of phase A, they are passed on to the implementation phases, i.e. B, C, D and E. This document presents an overview of the passive microwave instruments currently under development under the Future Programmes of the ESA's Earth Observation Envelop Programme. The description of the instruments will be structured according to two broad categories of future missions, i.e. the Earth Explorers and Earth Watch candidates.

Presentation Mode: Oral

Keywords: Microwave, earth observation, european space agency

Status: Pending.

Co-Authors

No.	Title	First Name	Family Name	Organization
-----	-------	------------	-------------	--------------