



Breakout Workshop:

## **Water Quality Demonstration**

### **Co-Chairs:**

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### **Scope and Goals**

The goal of this session will be a definition of a Water Quality Demonstration that can be achieved from the current space missions and in preparation for the future next generation missions. The session will identify roadblocks in the operational use of satellite data for water quality, starting from a potential lack of awareness and guidance, and finishing on unsuitable product specifications. The definition will then include a list of water-quality products that is currently achievable and may be produced by space agencies, as well as the products feasible from the next generation missions. The definition will come with the product requirements, which are realistic with the current and next-generation data and addresses the identified roadblocks, such as product quality, formatting, data access, algorithmic, spatial, temporal, and coverage specifications.

Recommendations will be issued concerning the implementation of the Water Quality Demonstration for aspects such as multi-mission algorithms, polar and geostationary fusion, product timeliness and formatting.

### **Key Questions**

1. What are the requirements for water-quality products from regulatory and water monitoring agencies?
2. What are the roadblocks and the opportunities for providing the required water-quality products from the current and next generation EO missions?
3. What is the exact definition of the products and their specifications that can be currently achieved and produced by space agencies to meet the regulatory and water monitoring requirements?