



## SPECIAL SESSION 7

### Large area forest biomass monitoring from space

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#### **The goal of the session**

Achievement of international goals and national commitments related to forest conservation and management, climate change, and sustainable development requires credible, accurate, and reliable monitoring of stocks and changes in forest biomass and carbon. At the same time there are unprecedented opportunities to provide forest biomass data created by a series of recent and upcoming space-based missions and targeted projects; many of which provide open data targeted at large area and better spatial resolution biomass monitoring than has previously been achieved. The aim of the session to create a forum for different actors to present and discuss to exchange on progress in this dynamic and exciting evolving field of forest remote sensing; including the evolving policy requirements, evolving sensors and processing capabilities, new biomass products and approaches, issues related to calibration and validation for biomass mapping, and different ways of using new biomass and biomass change products in different applications.

#### **Potential topics:**

Evolving requirements for biomass mapping from space

Update on various satellite/sensors/missions targeted for biomass monitoring

New evolving large area products

Novel approaches for space-based biomass and biomass change monitoring

Integration of ground and satellite data

Improving data and methods for calibration and validation