



## **Fabrizio Ramoino**

### **Earth Observation Data Exploitation and Application Expert**

SERCO c/o ESA-ESRIN

[fabrizio.ramoino@esa.int](mailto:fabrizio.ramoino@esa.int)

## **Background**

Fabrizio achieved his MSc degree in Telecommunication Engineering (with principal objective in Remote Sensing) at the University of Rome "Tor Vergata", Italy. After an experience as Young Graduate Trainee at European Space Agency - ESTEC gaining a solid experience in activities related to image simulation and processing prototyping in the field of High Resolution sensors. Since February 2011 he works for SERCO as Earth Observation Data Exploitation and Application Expert at the European Space Agency - ESRIN in the EOP-SE Division where he has increased his technical background working in the frame of: Sentinel-2 Preparatory Activities organizing scientific workshops, training course, image simulation and generation of Sentinel-2 mock-up products; Sentinel-2 Toolbox Project monitoring, supporting the quality and acceptance review of the system design and performance; CCI LandCover Project monitoring and supporting the quality and acceptance review of the delivered final product; ESA DUE GlobCover monitoring the project and supporting to the users; ESA DUE ATSR World Fire Atlas Project concerning data processing, validation, dissemination and exploitation; and Sentinel-3 Preparatory Activities related to thermal bands.

## **Activities in education**

Fabrizio participated as Lecturer at ESA EO Summer School 2014 and at ESA Land Training Course 2014 and 2015.

## **Recent projects**

- SeNtinel Application Platform (SNAP)
- Science Toolbox Exploitation Platform (STEP)
- CCI Land Cover
- Sentinel-2 data exploitation

## Selected publications

- Desnos, Y. L., Foumelis, M., Engdahl, M., Mathieu, P. P., Palazzo, F., Ramoino, F., & Zmuda, A. (2016, July). Scientific Exploitation of Sentinel-1 within ESA's SEOM programme element. In Geoscience and Remote Sensing Symposium (IGARSS), 2016 IEEE International (pp. 3878-3881). IEEE.
- Bontemps, S., et al. "Multi-year global land cover mapping at 300 m and characterization for climate modelling: Achievements of the Land Cover component of the ESA Climate Change Initiative." *The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences* 40.7 (2015): 323.
- Bouvet, Marc, and Fabrizio Ramoino. "Radiometric intercomparison of AATSR, MERIS, and Aqua MODIS over Dome Concordia (Antarctica)." *Canadian Journal of Remote Sensing* 36.5 (2010): 464-473.
- Bouvet, M., and F. Ramoino. "Equalization of MERIS L1b products." ESA Technical publication TEC-EEP/2009.521/MB (2009).