VALERO Silvia (ORCID: 0000-0002-5001-9450)

Nationality: Spanish, web site: https://sites.google.com/view/silvia-valero/

- **CURRENT POSITION**

Maître de Conférences, Université Toulouse III - Paul Sabatier, Toulouse, France. Research laboratory : Centre d'Études Spatiales de la Biosphere (CESBIO)

- **EDUCATION**

2011	PhD, Grenoble-INP, France
2008	MsC (Engineer): Grenoble-INP, France
2006	Electrical Enginerring Degree, Politecnical University of Catalogne, Spain

- **INTERNATIONAL RECOGNITION (honors, prizes)**
  - Self-supervised representation learning for the exploitation of satellite image times series (Invited talk). In RIKEN Institute, Japan
  - Awarded grant from the ANR JCJC program 2020 for the projet DeepChange
  - Phd Award (Charlotte Pelletier) Académie de SIBL de Toulouse (2018)
  - Best chapter award "Chapitre", IEEE Section France Section (2017)
  - Phd Award from l'Universitat Politècnica de Catalunya. (2014)
  - 2nd "Best student paper" journal SFPT (co-auteur) (2013)
  - Award IGARSS : "IEEE GRSS 2011 Symposium Best Paper Award" (2011)

- **SUPERVISION:** 4 PhD students (2 on-going), 2 research engineer

- **SCIENTIFIC PRODUCTION:** https://sites.google.com/view/silvia-valero/home/publications

- **5 MOST RELEVANT PAPERS (10 last years), Google Scholar Id: 8AB1bHkAAAAJ, h index: 22**

  - Y.Zerah, S.Valero and J.Inglada. Physics-guided interpretable probabilistic representation learning for high resolution image time series. Submitted in IEEE Transactions on Geoscience and Remote Sensing, Novembre 2022.

  - A.Garioud, S.Valero, S. Giordano and C.Mallet. Recurrent-based regression of Sentinel time series for continuous vegetation monitoring. Remote Sensing of Environment, Elsevier, 2021, 263, pp.112419.

  - C.Pelletier, S.Valero, J. Inglada, N.Champion, C. Marais Sicre, G. Dedieu. "Effect of Training Class Label Noise on Classification Performances for Land Cover Mapping with Satellite Image Time Series". Remote Sens. 2017, 9, 173. ,2017

  - C.Pelletier, S.Valero, J. Inglada, G. Dedieu, N. Champion. "Assessing the robustness of Random Forests to map land cover with high resolution satellite image time series over large areas", Remote Sensing of Environment, vol. 187, p. 156-158.,2016

  - J.Inglada J., M.Arias, B. Tardy, O. Hagolle, S.Valero, D.Morin, G. Dedieu, G.Sepulcre, S.Bontemps, P.Defourny, B.Koetz."Assessment of an Operational System for Crop Type Map Production Using High Temporal and Spatial Resolution Satellite Optical Imagery". Remote Sensing, 7 (9), 12356-12379, 2015

- **EDITORIAL ACTIVITIES**
  - Since 2012, Reviewer in: MDPI Remote Sensing, IEEE Transactions on Geoscience and Remote
  - Sensing, IEEE Transactions on Image Processing, ELSEVIER Pattern Recognition Letters, IEEE
  - Geoscience and Remote Sensing Letters, IEEE Journal of Selected Topics in Applied Earth
  - Observations and Remote Sensing
  - Since 2020, Member of the editorial committee ("Revue Française de Photogrammétrie et Télédétection »)

  - **COLLABORATIONS:** Universitat Politecnica de Catalunya (Spain), University of Valencia (Spain), Universtiy of Iceland, University of Louvain (Belgium), Columbia University (US), VITO (Belgium) , DLR-German Aerospace Center (Germany), Universtiy of Tokyo (Japan),

- **TEACHING ACTIVITIES (current or planned)**: From 2012, the teaching service of a lecturer is 192 hours with students during the 37 weeks of the academic year.