



Valerio Marsocci

● WORK EXPERIENCE

01/03/2023 – CURRENT Paris, France

POSTDOC RESEARCHER CONSERVATOIRE NATIONAL DES ARTS ET MÉTIERS

- self-supervised learning for earth observation

04/2019 – 11/2022 Rome, Italy

DATA SCIENCE CONSULTANT KEOS FINANCE

● EDUCATION AND TRAINING

10/2019 – 05/2023 Rome, Italy

PHD STUDENT IN DATA SCIENCE, XXXV CYCLE Sapienza University of Rome

Department of Computer, Control and Management Engineering (DIAG), "Antonio Ruberti"

Research area: Earth Observation, Self-supervised Learning, Continual Learning, Elevation Change Detection

02/2020 – 10/2022 Rome, Italy

TEACHING ASSISTANT IN POSITIONING Sapienza University of Rome

01/2019 – 01/2020 Rome, Italy

2ND LEVEL MASTER'S DEGREE: BIG DATA. STATISTICAL METHODS FOR THE KNOWLEDGE SOCIETY Sapienza University of Rome

Faculty of Information Engineering, Computer Science and Statistics

10/2016 – 28/10/2018 Rome, Italy

MASTER OF SCIENCE (M.S.) DEGREE IN ENVIRONMENTAL ENGINEERING Sapienza University of Rome

Final Mark: 110/110 summa cum laude

2012 – 2016 Rome, Italy

BACHELOR OF SCIENCE (B.S.) DEGREE IN ENVIRONMENTAL ENGINEERING Sapienza University of Rome

Final Mark: 109/110

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
| | Listening | Reading | Spoken production | Spoken interaction | |
| ENGLISH | C1 | C1 | C1 | C1 | C1 |
| SPANISH | B1 | B1 | B1 | B1 | B1 |
| FRENCH | B1 | B1 | B1 | B1 | B1 |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

PyTorch | Google Earth Engine (GEE) / Google Earth Pro | Latex Software | TensorFlow TensorBoard | Git | Microsoft Office | Python, Scikit-Learn, Numpy, Matplotlib

● ADDITIONAL INFORMATION

PUBLICATIONS

[V. Marsocci, N. Gonthier, A. Garioud, S. Scardapane, C. Mallet; Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition \(CVPR\) Workshops](#)

– 2023

[Marsocci V., Coletta V., Ravanelli R., Scardapane S., Crespi M. "Inferring 3D change detection from bitemporal optical images". ISPRS Journal of Photogrammetry and Remote Sensing](#)

– 2023

[V. Marsocci and S. Scardapane, "Continual Barlow Twins: Continual Self-Supervised Learning for Remote Sensing Semantic Segmentation," in IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing](#)

– 2023

[Coletta V., Marsocci V., Ravanelli R. "3DCD: A NEW DATASET FOR 2D AND 3D CHANGE DETECTION USING DEEP LEARNING TECHNIQUES", XXIV ISPRS Congress Proceedings](#)

– 2022

[Marsocci, V.; Scardapane, S.; Komodakis, N. MARE: Self-Supervised Multi-Attention ResU-Net for Semantic Segmentation in Remote Sensing. Remote Sens. 2021, 13, 3275.](#)

– 2021

[Marsocci, Valerio, and Lorenzo Lastilla. "POSE-ID-on—A Novel Framework for Artwork Pose Clustering." ISPRS International Journal of Geo-Information 10.4 \(2021\): 257.](#)

– 2021

OTHER ACTIVITIES

20/07/2023

Winner of the People's Choice Award at the GeoPitch Challenge (IGARSS 2023)

Winner of Italy Copernicus Masters Prize 2021 with Genuine

03/2021 – CURRENT

Peer-to-peer Reviewer for Scientific Journals (e.g. IEEE TGRS) and Conferences (e.g. ICCV)

Lecturer in AI, Big Data and other digital and technological topics
