

PERSONAL INFORMATION



 AUTH, Main Campus, Faculty of Sciences, School of Geology, 54124 Thessaloniki, Greece

 Not applicable  +30 69 76 17 36 36 (GR), +33 (0) 7 89 99 01 71 (FR)

 mfoumelis@geo.auth.gr | m.foumelis@brgm.fr

 mfoumelis.wordpress.com



Sex Male | Date of birth 24/06/1977 | Nationality Greek

OCCUPATION

From October 2020

Assistant Professor in Remote Sensing & GIS

Aristotle University of Thessaloniki (AUTH), Faculty of Sciences, School of Geology, Department of Physical and Environmental Geography, 54124 Thessaloniki, Greece (<https://www.auth.gr/en>).

Business or sector Academic Institution

March 2017 - September 2020

Senior Researcher & Project Manager in Remote Sensing

Remote sensing scientist at French Geological Survey (BRGM), Department of Geophysical Imaging and Remote Sensing (IGT), 3 Avenue Claude Guillemin, 45060 Orléans, France (<http://www.brgm.fr>).

- Project management
- Research and development on remote sensing and imaging geodesy applications, products and services for geosciences
- Capacity building activities
- Contribution of the GeoHazards Lab initiative (under CEOS WG Disasters)
- Development of hosted processing services on cloud infrastructures
- Platform-based systematic processing of EO big data for geohazards
- Definition and harmonization of EO products for geohazards

Business or sector National Research Institute

September 2014 - February 2017

Earth Observation Scientist

EO scientist at European Space Agency (ESA-ESRIN), Via Galileo Galilei, 00044 Frascati (RM), Italy (<http://www.esa.int>).

- Research and development activities on SAR and InSAR applications related to geohazards
- Lecturing at ESA's Advanced Training Courses and Summer Schools
- Project management
- Review of ITTs, proposals and scientific reports
- Technical officer of the "[INSARAP: Sentinel-1 InSAR Performance Study with TOPS Data](#)"
- Coordinate the development of ESA's [SNAP/Sentinel-1 Toolbox](#) and [PolSARpro software](#)
- Scientific and technical advisor of [ESA's Geohazards TEP](#)
- Contribute to international development activities related to geohazards ([World Bank's EOWorld](#))
- Support activities of the [Scientific Exploitation of Operational Missions \(SEOM\)](#) programme element
- Support of Sentinel-1 scientific outreach activities (including [S-1A First Images Campaign](#))
- Demonstration of SAR application showcases (including preparation of imagery and web stories)
- Organization of workshops and training courses

Business or sector Space Agency

February 2012 - August 2014

Research Fellow (Post-Doctoral Researcher)

European Space Agency (ESA-ESRIN), Via Galileo Galilei, 00044 Frascati (RM), Italy.

- Research on InSAR-based geohazards monitoring applications
- Development of automated SAR and InSAR processing services on ESA's [Grid Processing on Demand \(G-POD\)](#) cloud computing facility
- Scientific and technical advisor of ESA's [CEOM DRM Pilots for Seismic and Volcanic Hazard](#)
- Validation of InSAR products (ESA Terrafirma project)
- Educational activities in support of school and university visits to ESA-ESRIN

Business or sector Space Agency

September 2006 - January 2012

Associate Researcher

Harokopio University of Athens (HUA), Dept. of Geography (<http://www.geo.hua.gr>).

- Senior Geoinformatics expert in research and industrial service provision projects related to geohazards

Business or sector Academic Institution

WORK EXPERIENCE

2010 - 2012

Academic staff under contract (Adjunct Lecturer, P.D. 407/80)

Harokopio University of Athens (HUA), Dept. of Geography (<http://www.geo.hua.gr>).

- Tutor & demonstrator in undergraduate and postgraduate courses and laboratories relating to:
 - Remote Sensing – Interpretation (undergraduate course)
 - Synthetic Geographic Lesson (undergraduate course)
 - Advanced Topics of Remote Sensing (postgraduate course)

Business or sector Academic Institution

2009 - 2012

Self Employed Geologist - Geophysicists

- Geological and geophysical studies

Business or sector Private Company

2008 - 2012

Teaching Support for Academic Staff (Course Assignment)

Harokopio University of Athens (HUA), Dept. of Geography (<http://www.geo.hua.gr>).

- Tutor & demonstrator in postgraduate courses and laboratories relating to:
 - Satellite Geodesy and GNSS
 - Geoinformatics in Disaster Management
 - Applied Geography and Land Management Practices

Business or sector Academic Institution

2000 - 2008

Tutor and Demonstrator

National and Kapodistrian University of Athens (NKUA), Panepistimioupoli – Ilissia, GR-157 84, Athens, Greece (<http://www.geol.uoa.gr>). Departments of Dynamics, Tectonics & Applied Geology (2000-2004) and Geophysics & Geothermics (2004-2008).

- Tutor & demonstrator in undergraduate and postgraduate courses and laboratories relating to:
 - Geology of Greece (2000-2004)
 - Tectonics (2000-2004)
 - Tectonic Analysis (2000-2004)
 - Rock Mechanics and Drilling Techniques (2000-2004)
 - Geological and Environmental Applications of GPS and Earth Observation Systems (2004-2008)

Business or sector Academic Institution

July - August 1999

Internship

Institute of Geology and Mineral Exploration (IGME), Hydrogeology Division, Olympic Village, GR-136 77 Acharnai, Athens, Greece.

- Hydrological field measurements, statistical analysis, GIS-based spatial analysis and map compilation

Business or sector Public Research Institute

EDUCATION AND TRAINING

December 2009

Doctor of Science (PhD)

National and Kapodistrian University of Athens (NKUA), Faculty of Geology & Geoenvironment, Dept. Geophysics & Geothermics, Panepistimioupoli – Ilissia, GR-157 84, Athens, Greece (<http://www.geophysics.geol.uoa.gr>).

In collaboration with GAMMA Remote Sensing AG (<http://www.gamma-rs.ch>) and Dionysos Satellite Observatory, Higher Geodesy Laboratory of NTUA (<http://dionysos.survey.ntua.gr>).

Dissertation title: Study of crustal deformation in the broader area of Athens by means of Differential GPS and SAR Interferometry.

- Space Geodesy, SAR Interferometry, PSI & SBAS processing & GNSS (network establishment, data collection & processing)

September 2004

Master of Science (MSc)

National and Kapodistrian University of Athens (NKUA), Faculty of Geology & Geoenvironment, Dept. Dynamics, Tectonics & Applied Geology, Panepistimioupoli – Ilissia, GR-157 84, Athens, Greece (<http://www.geol.uoa.gr>).

Thesis title: Use of Geographic Information Systems and Remote Sensing for landslide and flood susceptibility mapping.

- Optical Remote Sensing, Land Cover/Use Classification, Geographic Information Systems (GIS) & Geodatabases

July 2000

Bachelor in Geology (BSc)

National and Kapodistrian University of Athens (NKUA), Faculty of Geology & Geoenvironment, Dept. Dynamics, Tectonics & Applied Geology, Panepistimioupoli – Ilissia, GR-157 84, Athens, Greece.

- Geodynamics, Tectonics, Structural Geology & Geological Mapping

PERSONAL SKILLS

Mother tongue(s) Greek, Arabic

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

[Digital competences - Self-assessment grid](#)

- Software packages**
- Remote Sensing software:
ERDAS Imagine, Exelis ENVI & PCI Geomatica
 - GIS software:
ESRI ArcView, ESRI ArcGIS & QGIS
 - GPS & SAR processing software:
LEICA Geo Office, Bernese, EV-InSAR, ESA SNAP Toolbox, GAMMA & StaMPS
 - Programming and scripting languages:
Python, GDAL & Bash
 - Graphic design & image analysis applications:
Corel Draw, PhotoShop & GIMP
 - Workshop and Conference Management software:
ConfTool Pro
 - Customer Survey software:
SurveyMonkey & FreeOnlineSurveys
 - Microsoft Office™ & OpenOffice
 - Windows & Linux Operating Systems

Managerial / Communication skills Excellent management and communication skills gained through the involvement in scientific projects, interaction with Space Agencies and the Earth Observation industry as well as by acting as a technical officer following contracts of ESA's EO programme.

- Other skills**
- Reviewer of research proposal (European Space Agency, General Secretariat of Research and Technology of Greece & Belgian Science Policy Office)
 - Reviewer for scientific journals (IEEE JSTARS, Remote Sensing of Environment, Remote Sensing, ISPRS Int. J. Geo-Inf., Tectonophysics, Geomorphology, Sensors, SPIE JARS etc.)
 - Organization of workshops and training courses
 - Implementation of SAR and InSAR processing chains for geohazard applications
 - Validation of cloud-based SAR products and services
 - Coordination of scientific toolbox development
 - Organized and implemented several geodetic GNSS field campaigns
 - Preparation and set-up of Users Satisfaction Surveys

- Driving licence**
- Category B

ADDITIONAL INFORMATION

- Honours and awards**
- "2014 ESA TEAM ACHIEVEMENT AWARD" in recognition of the contribution to the Sentinel-1 development and operations (June 2015).
- Scholarships**
- Scholarship from the [General Secretariat of Research and Technology of Greece \(GSRT\)](#) for doctorate studies (2005-2009).
 - Scholarship from the [National and Kapodistrian University of Athens \(NKUA\)](#) for postgraduate studies (2002-2004).
- Seminars Attended**
- Advanced Course on Radar Polarimetry, European Space Agency (ESA), Frascati, Italy (January 2013).
 - Introduction to Matlab – Image and signal processing, National and Kapodistrian University of Athens, Athens, Greece (March 2011).
 - Administration and assessment of research and technology and integration into the process of economic and social development, National and Kapodistrian University of Athens, Athens, Greece, from 27/11/2008 to 24/12/2008.
 - Course on Interferometric Point Target Analysis (IPTA): Principles and processing approach. GAMMA Remote Sensing AG, Gümligen, Switzerland, from 30/07/07 to 02/08/07.

- Course on SAR Interferometry: Principles, Data Processing and Applications. GAMMA Remote Sensing AG, Gümligen, Switzerland, from 30/04/07 to 02/05/07.
- Introduction to IDL. INFOREST Research O.C. – ITT Visualizing Images Solutions, Athens, Greece, from 24/04/07 to 27/4/07.
- Field Seminar for Neotectonic Mapping. European Center for the Prevention and Forecasting of Earthquakes (ECPFE), Earthquake Planning and Protection Organization (EPPO) & National Kapodistrian University of Athens (NKUA), Milos Island, Greece, from 29/04/01 to 06/05/01.
- Introduction to GIS. Marathon Data Systems, Athens, Greece (Dec. 1999).

R&D and Industrial Service Provision Projects

Principal investigator / Project manager:

- Groundwater flood monitoring over French territories by Remote Sensing and GIS techniques, BRGM (commercial contract), 2019-2020.
- Platform-based EO processing services & scientific animation of geohazards community. GeoHazards Lab initiative under CEOS WG Disasters, ESA, CNES & BRGM, 2018-2020.
- Landslide monitoring using VHR spaceborne SAR and unmanned aerial systems, ESA jointly with DLR, Project ID 38913, 2018-2019.
- CAVSat – Assessment of capacity of very-high resolution SAR interferometry for detection of cavity-related ground deformation, BRGM-ESA, Project ID RP18DRP013, 2018.
- Looking inside changing cities from space, ESA jointly with CSA, SOAR2 Announcement of Opportunities, SOAR-EU2 initiative, Project ID 16825, 2014-2016.
- Revisiting of Santorini Volcano – Deformation Monitoring by ALOS PALSAR-2. Japan Aerospace Exploration Agency (JAXA), 2013-2015.
- Vertical displacement rate map of Greece by spaceborne SAR interferometry. European Space Agency (ESA), CAT-1 Project 11322, 2012-2014.

Participation as senior scientist:

- EO4Alps – Landslide Geo-Information Services for the Alps, ESA/EO/1-10115/20/I-DT, European Space Agency (ESA), 2020-2022.
- Study of the November 11, 2019 earthquake – Geological and seismotectonic context of the Lafarge Holcim Ciments site. BRGM commercial service, CF19DRP21, LAFARGE HOLCIM Ciments, 2020.
- City Resilience Program (CRP), World Bank Group, 2020-2021.
- Earth Observation for Sustainable Development – Disaster Risk Reduction (EO4SD), 4000124091/18/I-NB, European Space Agency (ESA), 2020-2022
- Semi-Automated InSAR monitoring of Mayotte Volcano (France). Commercial service project French Ministry, 2020.
- Resonance frequency and displacement measurements using ground-based Radar for evaluation of rockcliff stability at Bonifacio (France). Commercial service project, BRGM, 2019.
- Post-mining ground deformation of Nord-pas-de-Calais region (France) based on SAR Interferometry. Commercial service project, BRGM, 2019.
- EO-based validation dataset for ground-water induced floods mapping. Commercial service project, BRGM, 2018-2019.
- Monitoring of Vescom slide (France) with Copernicus Sentinel-1 mission data. Commercial service project, BRGM, 2018-2019.
- For a common culture of seismic risk (POCRISK). Interreg POCTEFA, EFA158/16/POCRISC, European Commission, 2018-2021.
- BathySent – An Innovative Method to Retrieve Global Coastal Bathymetry from Sentinel-2. 4000110431/14/I-AM, European Space Agency (ESA), EO Science for Society EOEP-5 Block 4, 2018-2019.
- SAR interferometry to assist long-term trends and variability of water levels and tides in Buenos Aires. BRGM, University of La Rochelle & TU Delft, 2018-2019.
- Multi-risk Platform – Operational implementation of a web-integrated platform for multi-hazard and multi-risk analysis. BRGM, 2018-2019.
- Establishment of a methodology for local scale flood risk mapping due to water table rise and possible improvements to the French national map. BRGM-DDT60, 2017-2018.
- Analysis of the origin of ground dislocations observed in the town of Sexey aux Forges (Meurthe and Moselle departments, France). BRGM, 2017-2018.
- Landslide displacement mapping via spaceborne radar remote sensing and vulnerability assessment: The case of Salazie Cirle landslides (La Reunion Island, France). BRGM & Università Degli Studi Di Salerno, 2017.

- Deformation unrest signs over Santorini volcanic activity in 2011-2012 as precursors for future episodes. ESA jointly with CSA, SOAR2 Announcement of Opportunities, SOAR-EU2 initiative, Project ID 16812, 2014-2016.
- Deformation monitoring for rest and unrest periods of Nisyros volcano. European Space Agency (ESA), CAT-1 Project 11653, 2012-2014.
- Improving the aboveground forest biomass estimation methodology for Estonia using spaceborne SAR imagery. European Space Agency (ESA), CAT-1 Project 12391, 2012-2014.
- Novel methodologies for the assessment of risk of ground displacement (MARGroDi), General Secretariat of Research and Technology of Greece (GSRT), National Strategic Reference Framework of Greece (NSRF) 2007-2013, Action “Bilateral R&D Corporation Greece-China 2012-2014”, 2012-2014.
- Operational management in Development Association of West Athens (ASDA) municipalities for civil protection and natural and environmental hazards defense. National and Kapodistrian University of Athens (NKUA), 2010-2011.
- High resolution SAR Interferometry for monitoring the Rio-Antirio bridge (Western Greece) : a case study in the frame of Terrafirma-X project. German Aerospace Center (DLR), project GEO0904, 2010-2011.
- Ground Deformation Studies in the Central Ionian Islands (Greece) using Time Series Interferometry. European Space Agency (ESA), CAT-1 Project 6831, 2010-2012.
- Earth surface displacement and related risks based on space SAR interferometry. ESA's 2nd call for ideas for Greek institutions, integrated in TERRAFIRMA-X GMES project, 2009-2011.
- Ground deformation monitoring in Suez Canal area and related risks by using space techniques, optical data and SAR interferometry. Alexandrina Bibliotheca Foundation (Egypt), 2009-2011.
- Ground deformation monitoring in the greater Cairo metropolitan region (Egypt) by SAR interferometry. NATO Collaborative Linkage Grant, 2009-2010.
- Ground deformation mapping in Ilia Prefecture using Persistent Scatterers Interferometry technique from space radar data. Latsis I. Foundation, 2008-2009.
- Continuous risk assessment of structures and plants in areas of ground deformation susceptibility by space-based SAR/ASAR Interferometry. ESA's 1st call for ideas for Greek institutions, integrated in TERRAFIRMA GMES project, 2007-2009.
- Using Remote Sensing and GIS techniques for predicting the most hazardous areas for landslides in South Sinai. Ministry of Higher Education of Egypt, 2007-2008.
- Study of land cover changes particularly in urban areas for Imvros and Tenedos Islands from 1960 until 2005. Hellenic Ministry of Foreign Affairs and Hellenic Aid, 2007-2008.
- Using remote sensing and GIS techniques for predicting the post hazardous areas for landslides in South Sinai. Ministry of Higher Education of Egypt & Canal Suez University, 2007.
- Ground deformation monitoring in areas of high volcanic and seismic risk by conventional and persistent scatterers interferometry. European Space Agency (ESA), CAT-1 AO.GR.3333, 2006-2008.
- Development of InSAR methodology for detection of linear and non-linear ground deformation. General Secretariat of Research and Technology of Greece (GSRT), ENTER 2006, 2006.
- Crustal deformation and volcanic hazard assessment along the Hellenic Volcanic Arc (HVA), using Differential GPS measurements & SAR Interferometry. European Space Agency (ESA), CAT-1 AO.GR.1497, 2003-2005.
- Application of Differential Interferometry to mapping neotectonic movements due to human induced land subsidence. European Space Agency (ESA), CAT-1 AO.GR.1484, 2003-2005.
- Management of seismic risk in urban and non-urban regions of Corinth Prefecture (PERIANDROS). European Union and Corinth Prefecture, 2003-2005.
- Soil survey for building foundation sites in Panepistimioupolis, Zografou. National and Kapodistrian University of Athens (NKUA), 2002. (Project Id 70/4/6171)
- Exploitation study of “Foros” cave in Andros Is. (phase A). Ministry of Culture & Tourism and National and Kapodistrian University of Athens (NKUA), 2001. (Project Id 70/3/5395)
- Exploitation study of “Kapsias” cave (prefecture of Arkadia, Greece). Municipality of Mandinia and National and Kapodistrian University of Athens (NKUA), 2000. (Project Id 70/3/4318)

Book Chapters

Raucoules, D. & **Foumelis, M.**, 2020. InSAR Earth Observation Techniques for Monitoring Mining/Post-mining Ground Surface Motion. In: Chaussard E. (ed) “Remote sensing applications to characterization of geohazards and natural resources”, Springer, (in press).

Publications *Peer review journals:*

- J31. de Michele, M., Raucoules, D., Idier, D., Smal, F. & **Foumelis, M.**, 2020. Shallow bathymetry from Sentinel 2, by joint estimation of swell celerity-wavelengths. *Remote Sensing* (under review). IF: 4.509
- J30. **Foumelis, M.**, Papazachos, C., Papadimitriou, E., Karakostas, V., Ampatzidis, D., Moschopoulos, G., Kostoglou, A., Ilieva, M., Minos-Minopoulos, D., Mouratidis, A., Kkallas, C., Chatzipetros, A., 2021. On Rapid Multidisciplinary Response Aspects for Samos 2020 M7.0 Earthquake. *Acta Geophysica*, <https://doi.org/10.1007/s11600-021-00578-6>. IF: 1.395
- J29. Orellana, F., Delgado Blasco, J.M., **Foumelis, M.**, D'Aranno, P.J.V., Marsella, M.-A. & Di Mascio, P., 2020. DInSAR for Infrastructure monitoring: Case study Highway network of Rome metropolitan. *Remote Sensing*, 12(22), 3697, <https://doi.org/10.3390/rs12223697>. IF: 4.509
- J28. Vassilakis, E., **Foumelis, M.**, Erkeki, A., Kotsi, E., Parcharidis, I. & Lekkas, E., 2020. Post-event surface deformation of Amyntaio slide (Greece) by complementary analysis of Remotely Piloted Airborne System imagery and SAR interferometry. *Journal of Applied Geomatics*, <https://doi.org/10.1007/s12518-020-00347-y>. IF: 1.200
 Vassilakis, E., **Foumelis, M.**, Erkeki, A., Kotsi, E., Parcharidis, I., & Lekkas, E., 2019. Multitemporal Surface Deformation Analysis of Amyntaio Slide (Greece) using Remotely Piloted Airborne System and Structure-from-Motion photogrammetry. 4th Joint International Symposium on Deformation Monitoring, May 15-17, Athens, Greece.
- J27. Comou, C., Aubert, C., Audin, L., Ampuero, J-P., Baize, S., Brenguier, F., Causse, M., Chlieh, M., Combey, A., Delouis, B., Deschamps, A., Ferry, M., **Foumelis, M.** et al. (83 authors), 2020. Rapid response to the Mw 4.9 earthquake of November 11, 2019 in Le Teil, Lower Rhône Valley, France. *Comptes Rendus Géosciences*, doi : 10.31219/osf.io/3afs5. IF: 1.91
- J26. Bacques, G., de Michele, M., **Foumelis, M.**, Raucoules, D., Lemoine, A. & Briole, P., 2020. Displacement field of the Mw7.5 Sulawesi earthquake from Copernicus Sentinel 1-2 offset tracking and modeling: Strike slip motion on two sub-parallel faults branches could explain the tsunami genesis. *Nature Scientific Reports*, 10, 9103, <https://doi.org/10.1038/s41598-020-66032-7>. IF: 4.122
- J25. Lemoine, A., Bertil, D., Roullé, A., Briole, P., **Foumelis, M.**, Raucoules, D. & de Michele M., 2020. The volcano tectonic crisis of 2018 east of Mayotte, Comoros islands. *Geophysical Journal International*, ggaa273, <https://doi.org/10.1093/gji/ggaa273>. IF: 2.528
- J24. Aslan, G., **Foumelis, M.**, Raucoules, D., De Michele, M., Bernardie, S. & Cakir, Z., 2020. Landslide Inventory Mapping and Monitoring Using Persistent Scatterer Interferometry (PSI) Technique in the French Alps. *Remote Sensing*, 12(8), 1305, <https://doi.org/10.3390/rs12081305>. IF: 4.118
- J23. Le Cozannet, G., Kervyn, M., Russo, S., Ifejika Speranza, C., Ferrier, P., **Foumelis, M.**, Lopez, T. & Modaresi, H., 2020. Space-based Earth Observations for disaster risk management. *Surveys in Geophysics*, <https://doi.org/10.1007/s10712-020-09586-5>. IF: 5.226
- J22. **Foumelis, M.**, 2019. Velocity Field and Crustal Deformation of Broader Athens Plain (Greece) from a Dense Geodetic Network. *Journal of Applied Geodesy*, doi:10.1515/jag-2019-0012. IF: 1.357
- J21. Papageorgiou, E., **Foumelis, M.**, Trasatti, E., Ventura, G., Raucoules, D. & Mouratidis A., 2019. Multi-sensor SAR geodetic imaging and modelling of Santorini volcano post-unrest response. *Remote Sensing*, 11(3), 259, doi:10.3390/rs11030259. IF: 4.118
 Papageorgiou, E., **Foumelis, M.**, Raucoules, D. & Trasatti, E., 2018. Post-unrest volcanic activity at Santorini (Greece) detected by remote sensing. Cities on Volcanoes (CoV) 10, Napoli, Italy, 2-7 September (presented).
- J20. Delgado Blasco, J.M., **Foumelis, M.**, Stewart, C. & Hooper, A., 2019. Measuring Urban Subsidence of Broader Rome (Italy) by Sentinel-1 SNAP-StaMPS Persistent Scatterer Interferometry. *Remote Sensing*, 11(2), 129, doi:10.3390/rs11020129. IF: 4.118
- J19. Stamatopoulos, C., Petridis, P., Parcharidis, I. & **Foumelis, M.**, 2018. A method predicting pumping-induced ground settlement using back-analysis and its application in the Karla region of Greece. *Natural Hazards*, doi:<https://doi.org/10.1007/s11069-018-3276-1>. IF: 1.901
- J18. Chen, F., Wu, Y., Zhang, Y., Parcharidis, I., Ma, P., Xiao, R., Xu, J., Zhou, W., Tang, P. & **Foumelis, M.**, 2017. Surface motion and structural instability monitoring of Ming Dynasty City Walls by two-step Tomo-PSInSAR approach in Nanjing City, China. *Remote Sensing*, 9 (4), 371, doi:10.3390/rs9040371. IF: 4.118
 Chen, F., Parcharidis, I., Papasterios, A., Zhou, W., **Foumelis, M.** & Tang, P., 2017. Multi-Temporal SAR interferometry (from PSInSAR to Tomo-PSInSAR) for risk monitoring and vulnerability assessment of cultural heritage in urban space. ESA Fringe 2017 International Workshop, Helsinki, Finland, 5-9 June (presented).

- J17. **Foumelis, M.**, 2017. Impact of dam failure induced flood on road network using combined remote sensing and geospatial approach. *Journal of Applied Remote Sensing*, 11(1), doi:10.1117/1.JRS.11.016004. IF: 1.107
- J16. **Foumelis, M.**, 2016. Vector-based approach for combining ascending and descending Persistent Scatterers Interferometric point measurements. *Geocarto International*, doi:10.1080/10106049.2016.1222636. IF: 1.759
Foumelis, M., 2017. Calculation of actual motion components in vector domain for Persistent Scatterers. ESA Fringe 2017 International Workshop, Helsinki, Finland, 5-9 June (presented).
- J15. **Foumelis, M.**, Papageorgiou, E. & Stamatopoulos C., 2016. Episodic ground deformation signals in Thessaly Plain (Greece) revealed by data mining of SAR interferometry time series. *International Journal of Remote Sensing*, 37 (16), 3696-3711, doi: 10.1080/01431161.2016.1201233. IF: 1.724
Papageorgiou, E., **Foumelis, M.** & Stamatopoulos, K., 2015. Ground Deformation Signals of Thessaly Plain (Greece) from SAR Interferometry. European Space Agency, Proceedings of FRINGE '15, Frascati, Italy, 23-27 March (presented).
- J14. Parcharidis, I., **Foumelis, M.**, Benekos, G., Kourkoulis, P., Stamatopoulos, K. & Stramondo S., 2015. Time Series SAR Interferometry over the Multi-Span Cable Stayed Rio-Antirio Bridge (Central Greece): Achievements and Constraints, *Journal of Applied Remote Sensing*, 9 (1), doi: 10.1117/1.JRS.9.096082. IF: 1.107
- J13. Kalogirou, V., Ferrazzoli, P., Della Vecchia, A. & **Foumelis, M.**, 2014. On the SAR backscatter of burned forests: A model-based study in C-band, over burned pine canopies. *IEEE TGRS*, 52(10), 6205-6215, doi: 10.1109/TGRS.2013.2295594. IF: 4.942
- J12. **Foumelis, M.**, Fountoulis, I., Papanikolaou, D. I., Papanikolaou, D., 2013. Geodetic evidence for passive control of a major tectonic boundary on the contemporary deformation field of Athens (Greece). *Annals of Geophysics*, 56 (6), S0674, doi:10.4401/ag-6238. IF: 1.205
- J11. **Foumelis, M.**, Trasatti, E., Papageorgiou, E., Stramondo, S. & Parcharidis, I., 2013. Monitoring Santorini Volcano (Greece) breathing from space. *Geophysical Journal International*, doi: 10.1093/gji/ggs135. IF: 2.420
- J10. Papageorgiou, E., **Foumelis, M.** & Parcharidis, I., 2012. Long- and short-term deformation monitoring of Santorini Volcano: Unrest evidence by DInSAR analysis. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 5(5), 1531-1537, doi: 10.1109/JSTARS.2012.2198871. IF: 2.913
- J9. Diakakis, M., **Foumelis, M.**, Gouliotis, G. & Lekkas, E., 2011. Preliminary flood hazard and risk assessment in Western Athens metropolitan area. In: *Advances in the Research of Aquatic Environment*, N. Lambrakis, G. Stournaras & K. Katsanou (eds.), *Environmental Earth Sciences*, Springer-Verlag, Berlin-Heidelberg, vol. 1, 147-15, doi:10.1007/978-3-642-19902-8. IF: 1.765
Diakakis, M., **Foumelis, M.**, Gouliotis, G. & Lekkas, E., 2011. Preliminary flood hazard and risk assessment in Western Athens metropolitan area. 9th International Hydrogeological Congress, Kalavrita, Greece, 5-8 October (presented).
- J8. Parcharidis, I., Foumelis, M. & Katsafados, P., 2011. Seasonal ground deformation monitoring over Southern Larissa Plain (Central Greece) by SAR interferometry. In: *Advances in the Research of Aquatic Environment*, N. Lambrakis, G. Stournaras & K. Katsanou (eds.), *Environmental Earth Sciences*, Springer-Verlag, Berlin-Heidelberg, vol. 2, 497-504. IF: 1.765
Parcharidis, I., Foumelis, M. & Katsafados, P., 2011. Seasonal ground deformation monitoring over Southern Larissa Plain (Central Greece) by SAR interferometry. 9th International Hydrogeological Congress, Kalavrita, Greece, 5-8 October (presented).
- J7. Parcharidis, I., Kourkoulis, P., Karymbalis, E., **Foumelis, M.** & Karathanassi, V., 2011. Time series SAR interferometry for ground deformation monitoring over small-scale tectonically active deltaic environment (Momos, Central Greece). *Journal of Coastal Research*, 29 (2), 325-338, doi: 10.2112/JCOASTRES-D-11-00106.1. IF: 0.915
- J6. Seleem, T.A., Parcharidis, I., **Foumelis, M.** & Kourkoulis, P., 2011. Detection of ground deformation over Sharm El-Sheikh - Ras Nasrani coastal zone, South Sinai (Egypt), by time series SAR interferometry. *Journal of African Earth Sciences* 59, 373-383. IF: 1.403
- J5. Papanikolaou, I.D., **Foumelis, M.**, Parcharidis, I., Lekkas, E.L. & Fountoulis, I.G., 2010. Deformation pattern of the 6 and 7 of April 2009, Mw=6.3 and Mw=5.6 earthquakes in L' Aquila (Central Italy) revealed by ground and space based observations. *Natural Hazards and Earth System Sciences* 10, 73-87. IF: 2.281
- J4. Parcharidis, I., Kokkalas, S., Fountoulis, I. & **Foumelis, M.**, 2009. Detection and monitoring of active faults in urban environments: Time series interferometry on the the cities of Patras and Pyrgos (Peloponnese, Greece). *Remote Sensing* 1, 676-696. IF: 4.118
- J3. **Foumelis, M.**, Parcharidis, I., Lagios, E. & Voulgaris, N., 2009. Evolution of post-seismic ground deformation of the Athens 1999 earthquake observed by SAR interferometry. *Journal of Applied Geophysics* 69, 16-23. IF: 1.918

- J2. Parcharidis Is., **Foumelis, M.**, Kourkoulis, P. & Wegmüller, U., 2009. Persistent scatterers InSAR to detect ground deformation over Rio-Antirio area (Western Greece) for the period 1992-2000. *Journal of Applied Geophysics* 68, 348-355. IF: 1.918
- J1. Lemeille, F., Chatoupis, F., **Foumelis, M.**, Rettenmaier, D., Unkel, I., Micarelli, L., Moretti, I., Bourdillon, C., Guernet, C. & Müller, C., 2004. Recent syn-rift deposits in the hangingwall of Aigion Fault (Gulf of Corinth, Greece). *C.R. Geosciences* 336, 4-5, 425-434. IF: 1.895

Conferences, symposia and workshops:

- P78. Elias, P., Briole, P., Mathot, E., **Foumelis, M.**, Ganas, A., Beck, C., Mouratidis, A., Valkaniotis, S., Panagis, A., Parcharidis, I., Kaviris, G., Klein, E., Karamitros, I., De Luca, C., Bally, Ph., 2021. Implementation of the Geohazards Thematic Exploitation Platform in the Corinth Rift Near Fault Observatory for Education and Routine Monitoring. ESA Fringe 2021 International Workshop,
- P77. Amodio, A., Samarelli, S. Massimi, V. Lorenzo A., **Foumelis, M.**, Provost, F., Bally, Ph., Nutricato, R., Nitti, D.O., 2021. EO4SD-DRR Earth Observation to support the reconstruction and rehabilitation in the aftermaths of tsunami and earthquake. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2021), Brussels, Belgium, 11-16 July (accepted).
- P76. **Foumelis, M.**, Lorenzo Alonso, A., Eisenberg, R., Utanda González, A., Aubrecht, C., Bally, Ph., Kolomaznik, J., Massimi, V., Rubinyi, S., Cano Gonzalez, F., Aulló-Maestro, M.-E., Casu, F., & Pacini, F., 2021. EO4SD Disaster Risk Reduction terrain motion products in support to City Resilience Programme. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2021), Brussels, Belgium, 11-16 July (accepted).
- P75. **Foumelis, M.**, Delgado Blasco, J.M., Brito, F., Pacini, F. & Pishehvar, P., 2021. SNAPPING for Sentinel-1 mission on Geohazards Exploitation Platform: An online medium resolution surface motion mapping service. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2021), Brussels, Belgium, 11-16 July (accepted).
- P74. Morel, J., **Foumelis, M.**, Raucoules, D. & Lemal, S., 2020. InSAR asses in ground movements survey on abandoned coalfields. International Conference on Mine Closure 2020, Ulaanbaatar, Mongolia, 18-20 August, 2021 (accepted).
- P73. Dewez, T.J.B., Thiery, Y., **Foumelis, M.**, Lopez, S., Cordonnier, G., Cani, M.-P., 2019. Synthetic views of natural digital landscapes: A new way to identify and to map landscape features, Journées Aléa Gravitaire (JAG), Nice, France, 08-11 Octobre 2019.
- P72. **Foumelis, M.**, Negulescu, C., Tellez-Arenas, A., Raucoules, D., Brito, F., Pacini, F., Hohmann, A., Smai, F., 2019. Towards Platform-based Georisk Assessment using Earth Observation data and Scientific Workflows, MDIS workshop "Measurements of Surface Deformation by Earth Observation Images", Strasbourg, France, 14-18 October, 2019.
- P71. Pavlopoulos, K., Moraetis, D., **Foumelis, M.**, Scharf, A., Mattern, F. & Ben Romdhane, H., 2019. Deformation and uplift of relict coastal landscape, combining geological, geomorphological and geodetic SAR interferometry measurements: Evidence along the carbonate platform of Dagmar-Dibab, NE Oman. IAG Regional Conference on Geomorphology, Athens, Greece, 19-21 September, 2019.
- P70. Mouratidis, A., Kalaitzis, P., Domakinis, C., Vladenidis, P., **Foumelis, M.**, Ampatzidis, D., Perivolioti, T.-M., Giataganas, E., Chatzioannou, D., Kechagias, S. & Katsambalos, K.-V., 2019. Monitoring imperceptible vertical motions near Thessaloniki, Greece, with remote sensing, GNSS and very high precision levelling methods. IAG Regional Conference on Geomorphology, Athens, Greece, 19-21 September, 2019.
- P69. Dewez, T.J.B., Thiery, Y., **Foumelis, M.**, Lopez, S., Cordonnier, G., Cani, M.-P., 2019. Synthetic views of natural digital landscapes :landscapes: a new way to identify and to map landscape features, Journées Aléa Gravitaire (JAG), Nice, France, 08-11 Octobre 2019.
- P68. **M. Foumelis**, Delgado Blasco, J.M., Brito, F., Hooper, A., Bally, Ph. & Pacini, F., 2019. Towards SNAP-StaMPS Automatic PSI Processing Service for Research Applications on ESA GEP Cloud Infrastructure. ESA Earth Observation Φ-week, Frascati, Italy, 9-13 Sept., 2019.
- P67. **Foumelis, M.**, Dewez, T., Papageorgiou, E., 2019. Three-dimensional visualization of Santorini caldera wall point cloud displacements, 15th International Conference of the Geological Society of Greece (EGE), Athens, Greece, 22-24 May, 2019.
- P66. **Foumelis, M.**, Raucoules, D., Colas, B. & de Michele, M., 2019. On the effect of interferometric pairs selection for measuring fast moving landslides. International Geoscience and Remote Sensing Symposium (IGARSS 2019), Yokohama, Japan, 28 July - 2 August (accepted).
- P65. **Foumelis, M.**, Papadopoulou, T., Bally, P., Pacini, F., Provost, P. & Patruno, J., 2019. Monitoring geohazards using on-demand and systematic services on ESA's Geohazards Exploitation Platform. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2019), Yokohama, Japan, 28 July - 2 August (accepted).

- P64. Raucoules, D., de Michele, M., Idier, D., Smal, F., **Foumelis, M.**, Boulahya, F., Volden, E., Drakopoulou, V., Mujta, P., 2019. BathySent - A Method to Retrieve Coastal Bathymetry from Sentinel-2. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2019), Yokohama, Japan, 28 July - 2 August (accepted).
- P63. de Michele, M., Raucoules, D. & **Foumelis, M.**, 2019. Digital elevation models of volcanic plumes. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2019), Yokohama, Japan, 28 July - 2 August (accepted).
- P62. de Michele, M., Bacques, G., **Foumelis, M.**, Raucoules, D. & Briole P., 2019. The Sulawesi Earthquake (2018, Mw 7.5). Geophysical hints from subpixel offset of Copernicus Sentinel 1-2 data and elastic dislocation modeling. ESA Living Planet Symposium 2019, Milan, Italy, 13-17 May (presented).
- P61. **Foumelis, M.**, Bally, P., Papadopoulou, T., Pacini, F., Manda, M., Malet, J-P., Cigna, F., Tapete, D. & Danzeglocke, J., 2019. Geohazards Lab: Satellite EO exploitation and processing services to support the geohazards community. ESA Living Planet Symposium 2019, Milan, Italy, 13-17 May (presented).
- P60. Thiery, Y., Dewez, T.J.B., **Foumelis, M.**, Blanco, P., Ordoqui, P., Pacini, F. & Aubourg, C., 2019. Mapping the activity of deep-seated and shallow landslides in French Western Pyrenees, using Copernicus Sentinel-1 on ESA's GEP platform. ESA Living Planet Symposium 2019, Milan, Italy, 13-17 May (presented).
- P59. Delgado Blasco, J.M., **Foumelis, M.**, Hooper, A. & Engdhal M., 2019. Extending capabilities of SNAP2StaMPS package for DInSAR stripmap data processing. ESA Living Planet Symposium 2019, Milan, Italy, 13-17 May (presented).
- P58. **Foumelis M.**, Le Cozannet G. & Raucoules D., 2019. Vertical motion trends in Buenos Aires coastal region by imaging geodesy in support of sea-level rise observations. ESA Living Planet Symposium 2019, Milan, Italy, 13-17 May (presented).
- P57. Vassilakis, E., **Foumelis, M.**, Erkeki, A., Kotsi, E., Parcharidis, I. & Lekkas, E., 2019. Multi-temporal surface deformation analysis of Amyntaio slide (Greece) using Remotely Piloted Airborne System and Structure-from-Motion techniques. 4th Joint International Symposium on Deformation Monitoring (JISDM 2019), Athens, Greece, 15-17 May (presented).
- P56. Lappas, S., **Foumelis, M.** & Papanikolaou, I., 2018. Tracing the impact of the 2008 Movri (Ilia) Earthquake through InSAR Ground Deformation Monitoring: Implications for the ESI scale. 2nd International Workshop Tectonic Committee of the Geological Society of Greece "10 years after the 2008 Movri Mtn M6.5 Earthquake", Patras, 13 June (presented).
- P55. Valkaniotis, S., **Foumelis, M.**, de Michele, M., Ganas, A. & Papathanassiou, G., 2018. Three-dimensional displacement field of a large co-seismic landslide (2017 Iraq-Iran earthquake) using optical-image correlation and SAR pixel offset-tracking. 9th International INQUA Meeting on Paleoseismology, Active Tectonics and Archeoseismology (PATA), 25-27 June, 2018, Possidi, Greece.
- P54. **Foumelis, M.**, Delgado Blasco, J.M., Desnos, Y-L. Engdahl, M., Fernández, D., Veci, L., Lu, J. & Wong, C., 2018. ESA SNAP-STAMPS integrated processing for Sentinel-1 Persistent Scatterer Interferometry. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2018), Valencia, Spain, 23-27 July.
- P53. Papageorgiou, E., **Foumelis, M.**, Mouratidis, A. & Papazachos, C., 2018. Sentinel-1 monitoring of Santorini Volcano post-unrest state. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2018), Valencia, Spain, 23-27 July.
- P52. Raucoules, D., Tomaro, F., **Foumelis, M.**, Negulescu, C., de Michele, M. & Aunay, B., 2018. Landslide observation from ALOS-2/PALSAR-2 data (Image correlation techniques and SAR interferometry). Application to Salazie circle landslides (La Réunion Island). IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2018), Valencia, Spain, 23-27 July.
- P51. Le Cozannet, G., Raucoules, D., de Michele, M., Benaichouche, A., Gehl, P., Monfort, D., Negulescu, C., Rohmer, J., Pierdicca, N., Albano, M., Giovinazzi, S. & **Foumelis M.**, 2018. Potential of satellite remote sensing to monitor vulnerability of buildings to earthquakes within a semi-empirical macroseismic approach. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2018), Valencia, Spain, 23-27 July.
- P50. Prats-Iraola, P., Nannini, M., Yague-Martinez, N., Pinheiro, M., Kim, J.-S., Vecchioli, F., Minati, F., Costantini, M., Borgstrom, S., De Martino, P., Siniscalchi, V., **Foumelis, M.** & Desnos, Y-L., 2017. Interferometric investigations with the Sentinel-1 constellation. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2017), Texas, USA, 23-28 July.
Prats-Iraola, P., Nannini, M., Yague-Martinez, N., Pinheiro, M., M., Kim, Costantini, M., Siniscalchi, V., **Foumelis, M.** & Desnos, Y-L., 2017. Interferometric investigations with the Sentinel-1 constellation and results. ESA Fringe 2017 International Workshop, Helsinki, Finland, 5-9 June (presented).

- P49. Desnos, Y-L., **Foumelis, M.**, Engdahl, M., Mathieu, P-P, Palazzo, F. & Ramoino, F., 2017. Sentinel-1 mission scientific exploitation activities. IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2017), Texas, USA, 23-28 July.
- P48. Briole, P., Konstantinos, D., Roger, M., De Michele, M., Raucoules, D., Elias, P., **Foumelis, M.**, Roukounakis, N., Parcharidis, I. & Papastergios, A., 2017. Comparison and analysis of GEP-DIAPASON, SNAP and GAMMA Sentinel interferograms of Etna volcano. ESA Fringe 2017 International Workshop, Helsinki, Finland, 5-9 June (presented).
- P47. Delgado Blasco, J.-M., Cuccu, R., De Luca, C., Casu, F., **Foumelis, M.**, Sabatino, G. & Rivolta, G., 2017. ESA Research and Service Support: making easier the Sentinel-1 data exploitation. ESA Fringe 2017 International Workshop, Helsinki, Finland, 5-9 June (presented).
- P46. Veci, L., Lu, J., Fomferra, N., Prats-Iraola, P., Foumelis, M. & Engdahl, M., 2017. SNAP and the Sentinel-1 Toolbox for TOPS Interferometry. ESA Fringe 2017 International Workshop, Helsinki, Finland, 5-9 June (presented).
- P45. Desnos, Y-L., **Foumelis, M.**, Engdahl, M., Mathieu, P-P, Palazzo, F., Ramoino, F. & Zmuda, A., 2016. Scientific exploitation of Sentinel-1 within ESA's SEOM programme element. Proceedings of IGARSS 2016, Beijing, China, 10-15 July.
- P44. Prats-Iraola, P., Nannini, M., Yague-Martinez, N., Scheiber, R., Minati, F., Vecchioli, F., Costantini, M., Borgstrom, S., De Martino, P., Siniscalchi, V., Walter, T., **Foumelis, M.** & Desnos, Y-L., 2016. Sentinel-1 TOPS interferometric time series results and validation. Proceedings of IGARSS 2016, Beijing, China, 10-15 July.
- P43. Nannini, M., Prats-Iraola, P., Scheiber, R., Yague-Martinez, N., Minati, F., Vecchioli, F., Costantini, M., Borgstrom, S., De Martino, P., Siniscalchi, V., Walter, T., **Foumelis, M.** & Desnos, Y-L., 2016. Sentinel-1 mission: results of the InSARap project. 11th European Conference on Synthetic Aperture Radar (EuSAR 2016), Hamburg, Germany, 6-9 June.
- P42. Potin, P., Miranda, N., Rosich, B., Desnos, Y-L., **Foumelis, M.**, Koetz, B., Bally, P., Grabak, O., Seifert, F.M., Engdahl, M., Roeder, J., Davidson, M. & Campbell, G., 2016. Examples of Sentinel-1A Mission Exploitation Results after 2 years in Orbit. ESA Living Planet Symposium 2016, Prague, Czech Republic, 9-13 May (presented).
- P41. **Foumelis, M.**, Chini, M., Cuccu, R., Delgado Blasco, J-M. & Mitraka, Z., 2016. Land cover mapping using InSAR temporal decorrelation estimates from large time series. ESA Living Planet Symposium 2016, Prague, Czech Republic, 9-13 May (presented).
- P40. **Foumelis, M.**, Kalogirou, V. & Mitraka Z., 2016. Olympic games watched by Radar satellites. ESA Living Planet Symposium 2016, Prague, Czech Republic, 9-13 May (presented).
- P39. Veci, L., Lu, J., Fomferra, N., Prats-Iraola, P., **Foumelis, M.** & Engdahl, M., 2016. The Sentinel-1 Toolbox. ESA Living Planet Symposium 2016, Prague, Czech Republic, 9-13 May (presented).
- P38. Prats-Iraola, P., Nannini, M., Yague-Martinez, N., Scheiber, R., Vecchioli, F., Minati, F., Costantini, M., Bucarelli, A., Borgstrom, S., Walter, T., **Foumelis, M.**, Desnos, Y-L., 2016. Sentinel-1 TOPS Interferometric Wide Swath Data: Experiments and Performance Assessment. ESA Living Planet Symposium 2016, Prague, Czech Republic, 9-13 May (presented).
- P37. Prats-Iraola, P., Nannini, M., Scheiber, R., De Zan, F., Wollstadt, S., Minati, F., Costantini, M., Bucarelli, A., Borgstrom, S., Walter, T., **Foumelis, M.** & Desnos, Y-L., 2015. Sentinel-1 assessment of the Interferometric Wide-Swath mode. Proceedings of IGARSS 2015, 5248-5251.
- P36. **Foumelis, M.**, Mitraka, M., Cuccu, R., Desnos, Y-L. & Engdahl, M., 2015. Moving from Temporal Coherence to Decorrelation Time of Interferometric Measurements Exploiting ESA's SAR Archive. In Proceedings of FRINGE'15: Advances in the Science and Applications of SAR Interferometry and Sentinel-1 InSAR Workshop, Frascati, Italy, 23-27 March 2015, Ouwehand L., Ed., ESA Special Publication SP-731, doi:10.5270/Fringe2015.206.
- P35. Prats-Iraola, P., Nannini, M., Scheiber, R., De Zan, F., Wollstadt, S., Minati, F., Costantini, M., Bucarelli, A., Borgstrom, S., Walter, T., **Foumelis, M.** & Desnos, Y-L., 2015. Investigations with Sentinel-1 Interferometric Wide swath mode. In Proceedings of FRINGE'15: Advances in the Science and Applications of SAR Interferometry and Sentinel-1 InSAR Workshop, Frascati, Italy, 23-27 March 2015.
- P34. Yin, Q., Hong, W., Li, Y., Huang, P., **Foumelis M.** & Desnos, Y-L., 2015. Polarimetric InSAR phase based soil moisture change detection model. European Space Agency, Proceedings of POLINSAR-BIOMASS 2015, Frascati, Italy, 26-30 January, European Space Agency, Special Publication SP-729, 8p (CD).
- P33. **Foumelis, M.**, Chalkias, C. & Plank, S., 2014. Influence of Satellite Imaging Geometry on ASTER and SRTM Global Digital Elevation Models. 10th International Congress of the Hellenic Geographical Society, doi: 10.13140/RG.2.1.4846.2481.
- P32. Parcharidis, I., Stamatopoulos, C., **Foumelis, M.**, Benekos G. & Balla L., 2014. Persistent Scatterers Interferometry for Landslide Study In a Small Scale Inhabited Area. 5th EARSeL Workshop on Remote Sensing and Geology "Surveying the GEosphere", Warsaw, Poland, 19-20 June, 89-95.

- P31. Kalogirou, V., **Foumelis, M.** & Ferrazzoli, P., 2013. Hyper-temporal SAR backscattering trajectories of land cover over Athens (Greece). ESA Living Planet Symposium 2013, Edinburgh, UK, 9-13 September 2013, ESA SP-722, 4p (CD).
- P30. Benekos, G., Parcharidis, I., **Foumelis, M.** & Ganas, A., 2013. Ground deformation measurements over Lake Trichonis based on SAR interferometry. Bull. of the Geol. Soc. of Greece, XLVII, 11p.
- P29. Stamatopoulos, C., Petridis, P., Balla, L., Parcharidis, I., **Foumelis, M.**, Nikolaou, N. & Spanou, N., Predicting landslides risk combining ace measurements and geotechnical modelling: Application at Kerasia slide. 7th International Conference on Case Histories in Geotechnical Engineering, April 29 – May 4 2013, Chicago, USA, Paper ID 7.01b (CD).
- P28. Stamatopoulos, C., Petridis, P., Balla, L., Parcharidis, I., **Foumelis, M.**, Fountoulis, D., Lalehos, S. & Metaxas, Ch. Predicting ground subsidence induced by pumping combining space measurements and geotechnical modelling: Application in the Thessaly region, Greece. 7th International Conference on Case Histories in Geotechnical Engineering, April 29 – May 4 2013, Chicago, USA, Paper ID 7.02b (CD).
- P27. **Foumelis, M.**, Fountoulis, I., Papanikolaou, I. & Papanikolaou, D., 2011. Geodetic evidence for passive control of a major inactive tectonic boundary on contemporary deformation field of Athens (Greece). 2nd INQUA-IGCP-567 International Workshop on Active Tectonics, Earthquake Geology, Archeology and Engineering, 19-24 September, Corinth, Greece, vol. 2, 34-37.
- P26. **Foumelis, M.**, 2012. Human induced groundwater level declination and physical rebound in northern Athens Basin (Greece) observed by multi-reference DInSAR techniques. IGARSS 2012, 4p.
- P25. Papageorgiou, E., **Foumelis, M.** & Parcharidis, I., 2011. SAR interferometric analysis of ground deformation at Santorini Volcano (Greece). Proceedings of FRINGE '11, European Space Agency, Special Publication SP-697, 8p (CD).
- P24. Poscolieri, M., **Foumelis, M.**, Parcharidis, I. & Camiz, S., 2011. Relationship between topographic relief and ground deformation at Cephalonia Island (Greece). 17th European Colloquium on Quantitative and Theoretical Geography, 2-9 September, Athens, Greece, 484-491.
- P23. Papanikolaou, I.D., Lekkas, E.L., Fountoulis, I.G., Parcharidis, I. & **Foumelis, M.**, 2010. Damage pattern and bedrock geology, primary and secondary surface ruptures of the 2009 (Mw=6.3) L' Aquila event and implications for the seismic hazard planning. Proceedings of the 11th International Association of Engineering Geology (IAEG), Auckland, New Zealand.
- P22. Parcharidis, I., **Foumelis, M.**, Pavlopoulos, K. & Kourkouli, P., 2010. Ground deformation monitoring in cultural heritage areas by time series interferometry: the case of ancient Olympia site (western Greece). European Space Agency, (Special Publication) ESA SP, 7p. (CD).
- P21. Parcharidis, I., **Foumelis, M.** & Kourkouli, P., 2010. Slope instability monitoring by space-borne SAR interferometry: preliminary results from Panachaiko Mt. (Western Greece). Bull. of the Geol. Soc. of Greece, XLIII/3, 1301-1311.
- P20. Seleem, T.A., **Foumelis, M.** & Parcharidis, I., 2009. Detection of ground deformation in the broader area of Sharm El-Shiekh (Sinai Peninsula, Egypt) by SAR interferometry. Proceedings of SPIE, v.7478, no.747802.
- P19. **Foumelis, M.**, Parcharidis, I., Voulgaris, N. & Lagios, E., 2007. Evolution of post-seismic ground deformation observed by SAR Interferometry. Proceedings of FRINGE '07, European Space Agency, Special Publication SP-649, 8p (CD).
- P18. Parcharidis I., **Foumelis, M.**, Kourkouli, P., Wegmüller, U., Lagios, E. & Sakkas, V., 2007. Continuous risk assessment of structures in area of ground deformation susceptibility by persistent scatterers InSAR: Preliminary results of the Rio-Antirio Bridge (Greece) case. Proceedings of FRINGE '07, European Space Agency, Special Publication SP-649, 5p (CD).
- P17. Lekkas, E., Parcharidis, I., Skourtsos, Emm. & **Foumelis, M.**, 2007. Management of syn-catastrophic phase for world scale natural disasters in third world countries: The December 24 2004 earthquake M9.2R in the Indian Ocean and the October 8 2005 earthquake M7.6R in North Pakistan. 8th Pan-Hellenic Geographical Conference, Hellenic Geographical Association, Athens, 8p (in Greek).
- P16. Parcharidis I., **Foumelis, M.** & Kourkouli, P., 2007. Average coherence image derived observations over an urban area: The case of Athens city. Proceedings of SPIE, 6749, 9p.
- P15. Parcharidis, I., **Foumelis, M.** & Lekkas, E., 2007. Vertical tectonic motion in Andaman Islands detected by multi-temporal satellite radar images. Proceedings of Geol. Soc. of Greece, Proceedings of Geol. Soc. of Greece, XXXX/4, 2020-2031.
- P14. Parcharidis, I., Zaré, M., **Foumelis, M.** & Psoiadis, Emm., 2005. Investigation on Bam (Iran) earthquake 26/12/03 based on interferometric coherence. Proceedings of SPIE, 5983, 8p.

- P13. **Foumelis, M.**, 2006. Use of geological and geomorphological criteria for satellite imagery classification to land cover mapping. Proceedings of the 1st Pan Hellenic Conference of Geology Students, vol. B, 873-888 (in Greek).
- P12. Parcharidis, Is., Lekkas, E., **Foumelis, M.** & Segou, M., 2005. Implication of secondary geodynamic phenomena on co-seismic interferometric coherence. Proceedings of FRINGE '05, European Space Agency, Special Publication SP-610, 6p (CD).
- P11. Psomiadis, E., Parcharidis, Is., Stamatis, G. & **Foumelis M.**, 2005. Remotely sensing data and thematic mapping for sustainable developing in Sperchios river basin (Central Greece). Proceedings of SPIE, v.5983, 12p.
- P10. Parcharidis, Is., Zaré, M., **Foumelis, M.** & Lagios, E., 2005. Seismotectonic investigation on the Bam earthquake prone area (Iran) based on ASAR interferometry. Proceedings of 2nd International Conference on Recent Advances in Space Technologies (RAST 2005), 673-677.
- P9. Lagios, E., Parcharidis, Is., **Foumelis, M.** & Sakkas, V., 2005. Ground deformation monitoring of the Santorini volcano using satellite radar interferometry. Proceedings of 2nd International Conference on Recent Advances in Space Technologies (RAST 2005), 667-672.
- P8. **Foumelis, M.**, Raucoules, D., Parcharidis, Is., Feurer, D., Le Moulic, S., King, C., Carnec, C. & Lagios, E., 2005. Spatial correlation between interferometric stacking pattern deformation and damage distribution of Athens 7-9-99 earthquake and its seismic sequence. 5th International Symposium Remote Sensing of Urban Areas (URS 2005), XXXVI, 8W27.
- P7. Parcharidis, IS., **Foumelis, M.**, Papageorgiou, E., Segou, M. & Sakkas, V., 2005. Orthorectification and assessment of Quickbird imagery using D-GPS measurements over Paros urban area. 3rd International Symposium Remote Sensing and Data Fusion over Urban Areas (URBAN 2005), XXXVI, 8W27, 4p.
- P6. Parcharidis, Is., **Foumelis, M.**, Sakkas, V. & Lagios, E., 2005. Deformation monitoring in Kos Island (Hellenic Volcanic Arc, Eastern Greece) using differential interferometry. IGARSS 2005, 4, 2899-2902.
- P5. Parcharidis, Is., & **Foumelis, M.**, 2005. On the assessment of co-seismic InSAR images of different time span associated to Athens (Greece) 1999 earthquake. IGARSS 2005, 7, 5251-5254.
- P4. Delladetsimas, P., Parcharidis, Is., & **Foumelis, M.**, 2005. Very high resolution satellite imagery as a tool for seismic safety risk evaluation in urban areas. IGARSS 2005, 7, 5041-5044.
- P3. **Foumelis, M.**, & Vasilakis, Emm., 2004. Deviations between methods for slope estimation and the role of spatial resolution of DEMs. Comparative study in GIS environment. Bull. of the Geol. Soc. of Greece, XXXVI/2, 894-903, (in Greek).
- P2. **Foumelis, M.**, Lekkas, E. & Parcharidis, Is., 2004. Landslide susceptibility mapping by GIS-based qualitative weighting procedure in Corinth area. Proceedings of Geol. Soc. of Greece, XXXVI/2, 904-912.
- P1. Fountoulis, I. & **Foumelis, M.**, 2001. Asymmetric development of drainage networks, factor for recognition of neotectonic block rotation. Case study: Stournarorema and Belesitsas basins (Municipality of Fokida). Bull. of the Geol. Soc. of Greece, XXXIV/1, 217-227, (in Greek).

Citations [Google Scholar Indices](#) (on 17/05/2021): Citations: 681, h-index: 14, i10-index: 23

[Reasearch Gate](#) (on 17/05/2021): RG Score: 28.11, Citations: 687, h-index: 14, i10-index: 14

Scientific Reports

- Akba, B. et al. (117 authors) 2020. Seismological and Engineering Effects of the M7.0 Samos Island (Aegean Sea) Earthquake. Cetin, K.O., Mylonakis, G., Sextos, A. & Steward, J.P. (eds), Geotechnical Extreme Events Reconnaissance Association, Report GEER-069, <https://doi.10.18118/G6H088>, 31 December.
- Lekkas, E., Nastos, P., Cartalis, C., Diakakis, M., Gogou, M., Mavroulis, S., Spyrou, N.-I., Kotsi, E., Vassilakis, E., Katsetsiadou, K.-N., Skourtsos, E., Andreadakis, E., Kapourani, E., Soukis, K., Theodorakidou, D., Tsironis, A., Lekka, C., Moraitis, S., Stamati, E., Psaris, D., Lagouvardos, K., Kotroni, V., Dafis, S., Karagiannidis, A., Parcharidis, I., Falaras, T., Karavias, A., Mourampetzis, A., **Foumelis, M.**, Ganas, A., Valkaniotis, S. (2020). Impact of Medicane "IANOS" (September 2020). Newsletter of Environmental, Disaster and Crises Management Strategies, 20, ISSN 2653-9454.
- **Foumelis M.**, 2020. EO4SD Earth Observation for Sustainable Development (Disaster Risk Reduction) – City Resilience Program: Terrain Deformation in Urban Areas, Terrain deformation analysis (WB-CRP-01), Service Technical Report, November 2020.
- Valkaniotis, S., **Foumelis, M.** & Ganas, A. 2017. [A preliminary report on the Jul. 6, 2017 M=6.5 Philippines earthquake](#). EMSC-CSEM Report, 12 July.
- Co-editor of the "[Scientific and Technical Memorandum of the International Forum on Satellite EO and Geohazards](#)", 21-23 May 2012, Santorini Greece, doi:10.5270/esa-geo-hzrd-2012.

- Papanikolaou, I.D., Lekkas, E.L., Roberts, G.P., McGuire, B., Fountoulis, I.G., Parcharidis, I. & **Fournelis, M.**, 2010. [The 2009 L' Aquila earthquake: Findings and implications](#). AON BENFIELD UCL Hazard Research Centre, Department of Earth Sciences, University College London, 31p.

Lectures

- “Earth Observation for Environmental Monitoring: Missions, Applications and Services”, Master course on Practical Application - Planning of Complex Ecosystems at Université Sorbonne Abu Dhabi (SUAD), Abu Dhabi, United Arab Emirates, 2020 (November 2020).
- “Earth Observation for Environmental Monitoring: Missions, Applications and Services”, Master course on Practical Application - Planning of Complex Ecosystems at Université Sorbonne Abu Dhabi (SUAD), Abu Dhabi, United Arab Emirates, 2019 (November 2019).
- “On-demand GEP SNAP-StaMPS PSI processing service for S1 data”, Training school - MDIS 2019 workshop “Deformation Measurements by Earth Observation Techniques”, October 2019.
- “Earth Observation for Environmental Monitoring: Missions, Applications and Services”, Master course on Practical Application - Planning of Complex Ecosystems at Université Sorbonne Abu Dhabi (SUAD), Abu Dhabi, United Arab Emirates, 2018 (October 2018).
- “Earth Observation for Environmental Monitoring: Missions, Applications and Services”, Master course on Practical Application - Planning of Complex Ecosystems at Université Sorbonne Abu Dhabi (SUAD), Abu Dhabi, United Arab Emirates, 2017 (October 2017).
- “Satellite Earth Observation for Geo-Environmental Applications” at Agricultural University of Athens (AUA), Athens, Greece, 2016.
- “Earth Observation for Environmental Monitoring: Missions, Applications and Services”, Master course on Practical Application – Planning of Complex Ecosystems at Université Sorbonne Abu Dhabi (SUAD), Abu Dhabi, United Arab Emirates, 2016 (November 2016).
- “Synthetic Aperture Radar for Land Mapping and Change Detection” at ESA Earth Observation Summer School - Earth System Monitoring and Modelling, Frascati, Italy, 2016.
- “Sentinel-1 Toolbox – ASAR & S1A Data” at Advanced Training Course on Land and Water Remote Sensing, ESA-MOST Dragon Corporation, Nanchang, P.R. China, 2014.
- “ESA’s Sentinel-1 Toolbox” at 5th ESA Advance Training Course on Land Remote Sensing, Valencia, Spain, 2014.
- “Global Navigation Satellite System (GNSS) for Geohazard Applications” at postgraduate course entitled “Applied Geography and Space Management”, Harokopio University of Athens, 2012.
- “Synthetic Aperture Radar Imagine for Deformation Monitoring” at 2nd INQUA-IGCP 567 International Workshop on Active Tectonics, Earthquake Geology, Archaeology and Engineering (Seminar), Corinth, Greece, 2011.
- “Geoinformatics in Disaster Management” at postgraduate course entitled “Applied Geography and Space Management”, Harokopio University of Athens, 2011.

Invited Talks

- “Using Affordable On-line (Cloud) Based Processing Environments to Support Geohazard Risk Assessment” 2020 Understanding Risk Global Forum (UR2020), virtual meeting (December 2020).
- “Cloud Processing on ESA Geohazard Exploitation Platform and Requirement for Product Standardization” Symposium G2 2019 Geodesy & Geophysics, Le Mans, France, (November, 2019).
- “Contribution of hosted processing platform to geohazards”, Capacity building exercise for the Earthquake-Tsunami Central Sulawesi reconstruction plan, ESA & Asian Development Bank (ADB), Jakarta, Indonesia (June 2019).
- “ESA SAR Missions and their Exploitation” at “SAR Principals and Applications” training course (SE 2.06), Scientific coordination by Prof. Dr. I. Hajnsek (ETH), CCG-Center, Munich, Germany, 2016.
- “ESA EO programme and Geohazards Exploitation Platform” at the Corinth Rift Laboratory (CRL) workshop, Univ. of Patras, Patras, Greece (September 2016).
- “InSAR Ground Deformation Applications and Products” at ESRIN [Sentinel-1B launch event](#), Frascati, Italy (22 April 2016).
- “ESA’s Earth Observation Achievements” for the European Researcher’s Night 2014 at the National Centre for Scientific Research “Demokritos”, Athens, Greece (26 September 2014).
- “ESA SAR Missions and their Exploitation” at “SAR Principals and Applications” training course (SE 2.06), Scientific coordination by Prof. Dr. I. Hajnsek (ETH), CCG-Center, Munich, Germany, 2013.
- “ESA’s Earth Observation Program” for the European Researcher’s Nights 2013 at the National Centre for Scientific Research “Demokritos”, Athens, Greece (27 September 2013).

Capacity Building and Live Demonstrations

- “Support of Cloud-based Processing Environments for CRP – Terrain Motion at Khulna & Barisal Cities (Bangladesh)” Capacity Building activity, World Bank Group (WB) (under EO4SD project), virtual meeting (November 2020).
- “Support of Cloud-based Processing Environments to City Resilience Programme” Capacity Building activity, World Bank Group (WB) (under EO4SD project), virtual meeting (October 2020).
- “Cloud-processing services in support of geological hazard mapping – EO exploitation initiatives, hosted-processing platforms and services in the context of geohazards” Capacity Building activity, ESA & Asian Development Bank (ADB) (under EO4SD project) in collaboration with LAPAN, Jakarta, Indonesia (June 2019).
- “Introduction to RUS environment: Sentinel-1 InSAR for Subsidence monitoring” at EGU General Assembly 2018, Vienna, Austria (8-13 April, 2018).
- “Exploitation of Copernicus Sentinel Missions – Sentinel Application Platform (SNAP)” at ESA 2nd Consultation Meeting of EO Open Science, Frascati, Italy (12-14 September, 2016).
- “SNAP/Sentinel-1 Toolbox – Functionalities and Applications” at ESA EO Open Science Stand, Living Planet Symposium 2016, Prague, Czech Republic (9-13 May, 2016).
- “Science Toolbox Exploitation Platform (STEP)” at ESA booth, IGARSS 2015, Milan, Italy (26-30 July, 2015).

Web Stories & Blog Posts

- [“Scientists from the School of Geology of the Aristotle University of Thessaloniki implement a new online service for monitoring ground displacements using satellite data of the Copernicus Sentinel mission”](#) Aristotle University of Thessaloniki, Press Release on 15/02/2021
- [“New PSI service SNAPPING operational on the GEP”](#) ESA EO Science for Society on 04/02/2021
- [“Copernicus Sentinel-1 supports timely interpretation of Southern Europe’s earthquake”](#) ESA News on 12/11/2020
- [“LOS displacement time series generated on GEP using P-SBAS confirms elevated volcanic activity since March 2019 over Taal volcano”](#) ESA GEP on 24/01/2020
- [“French earthquake fault mapped”](#) ESA News on 17/11/2019
- [“Using satellite information to help rebuild after a disaster”](#) ESA on 12/07/2019
- [“Learning about satellite data”](#) ESA News on 12/07/2019
- [“Ground motion in Jakarta”](#) ESA News on 12/07/2019
- [“Indonesia earthquake displacement data”](#) ESA News on 05/10/2018
- [“Poyang lake area inundation in July 2016”](#) ESA News on 08/07/2016
- [“Poyang water surface evolution”](#) ESA News on 07/07/2016
- [“Irish mosaic”](#) ESA News on 15/04/2016
- [“Sentinel-1A mosaic of Europe”](#) ESA News on 14/10/2015
- [“Envisat vs. Sentinel-1 radar”](#) ESA News on 30/05/2014
- [“Sentinel-1 nationwide mosaic of Romania”](#) ESA News on 05/12/2014
- [“Nea Kameni volcano movement captured by Envisat”](#) ESA News on 22/05/2012

Development of Thematic Apps

- **SNAPPING PSI processor**, GEP on-demand hosted processing service, The Geohazards Exploitation Platform (<http://geohazards-tep-ref.terraeue.com>).
- **SNAP COSMO-SkyMed Interferometric processor**, GEP hosted processing service, ESA Geohazards Exploitation Platform (<http://geohazards-tep-ref.terraeue.com>) (<http://geohazards-tep-ref.terraeue.com>).
- **SNAC – SNAP S1 GRD Amplitude Change processor**, GEP hosted processing service, ESA Geohazards Exploitation Platform (<http://geohazards-tep-ref.terraeue.com>).
- **SNAP Sentinel-1 IW Interferometric processor**, GEP hosted processing service, ESA Geohazards Exploitation Platform (<http://geohazards-tep-ref.terraeue.com>).
- **COIN – Coherence and Intensity Change processor for Copernicus Sentinel-1**, GEP hosted processing service, ESA Geohazards Exploitation Platform (<http://geohazards-tep-ref.terraeue.com>).

Educational Material & Training Courses

- “Mapping Oil Spills using Sentinel-1 Radar Imagery” practical exercises at Université Paris-Sorbonne Abu Dhabi (PSUAD), Abu Dhabi (UAE), 2018.
- “SNAP Toolbox SAR Interferometry” interactive training event on cloud resources, ESA Fringe 2017 International Workshop (June 2017, Helsinki, Finland).
- “Optical and Radar Satellite Data Synergy for Land Cover/Use Mapping” practical exercises at Université Paris-Sorbonne Abu Dhabi (PSUAD), Abu Dhabi (UAE), 2016.
- “Multi-temporal Analysis of Remote Sensing Data” practical exercises at Université Paris-Sorbonne Abu Dhabi (PSUAD), Abu Dhabi (UAE), 2016.

- “Wide Area Processing of Spaceborne SAR Imagery” practical exercises at Université Paris-Sorbonne Abu Dhabi (PSUAD), Abu Dhabi (UAE), 2016.
- “Flood Mapping from Sentinel-2 High-Resolution Imaging Mission” Practical exercises at Université Paris-Sorbonne Abu Dhabi (PSUAD), Abu Dhabi (UAE), 2016.
- “Sentinel-1 TOPS Ground Displacement Measurements” practical exercises at Université Paris-Sorbonne Abu Dhabi (PSUAD), Abu Dhabi (UAE), 2016.
- “Remote Sensing and GIS for Urban Change Detection” practical exercises at Université Paris-Sorbonne Abu Dhabi (PSUAD), Abu Dhabi (UAE), 2016.
- “Synthetic Aperture Radar and SAR Interferometry” practical exercises at ESA Earth Observation Summer School - Earth System Monitoring and Modelling, Frascati, Italy, 2016.
- “SNAP – Sentinel-1 TOPS Interferometry”, Advanced Training Course on Land Remote Sensing, ESA-MOST Dragon Corporation, Tianjin, P.R. China, 2015.
- “SNAP – Coregistration Approaches and Change Detection”, Advanced Training Course on Land Remote Sensing, ESA-MOST Dragon Corporation, Tianjin, P.R. China, 2015.
- “ESA Sentinel-1 TBX – Generation of SAR Backscattering Mosaics”, 6th ESA Advance Training Course on Land Remote Sensing, Bucharest, Romania, 2015.
- “ESA Sentinel-1 TBX – RGB Composite for Land Cover/Use Monitoring”, 6th ESA Advance Training Course on Land Remote Sensing, Bucharest, Romania, 2015.
- “ESA Sentinel-1 TBX – Agriculture SAR” prepared by C. Schmullius & M. Foumelis, Advanced Training Course on Land and Water Remote Sensing, ESA-MOST Dragon Corporation, Nanchang, P.R. China, 2014.
- “Interferogram Generation over the Etna Volcano (Italy) using ERS-1 & -2 Tandem Data” prepared by A. Minchella & M. Foumelis, 4th ESA Advance Training Course on Land Remote Sensing, Athens, Greece, 2013.
- “SAR for Agriculture” prepared by C. Schmullius, A. Minchella & M. Foumelis, 4th ESA Advance Training Course on Land Remote Sensing, Athens, Greece, 2013.

Co-supervision of Students

- PhD Thesis of Panagiotis Kalaitzis entitled “*Contribution of geoinformatics and satellite remote sensing methods to study geological land subsidence*”, at Dept. of Geography, University of Aegean (UOA) (on-going).
- PhD Thesis of Nikolaos Liosis entitled “*Ground deformation monitoring in the United Arab Emirates (UAE)*”, at the Geography and Planning Department of Paris Sorbonne University Abu Dhabi (PSUAD).
- MSc thesis of Stefanos Lappas entitled “*Investigation of landslides using radar interferometry*”, postgraduate course on “*Prevention and Management of Natural Disasters*”, National and Kapodistrian University of Athens (NKUA), September 2015 (in Greek).
- PhD dissertation of Falah Atta Fakhri entitled “*Long and short term monitoring of ground deformation in Thessaly basin using space-based SAR interferometry*”, 2013.
- MSc thesis of George Benekos entitled “*Differential radar interferometry for detection of ground deformation in the broader area of Trichonis Lake for the period 2003-2010*”, 2012 (in Greek).
- BSc thesis of Vyronas Stergiopoulos entitled “*Differential SAR interferometry for estimation of ground deformation rates of broader Alexandria region (Egypt) and correlation to land cover/use*”, Dept. of Geography, Harokopio University, 2012 (in Greek).
- BSc thesis of Stavros Katselis entitled “*Identification of damaged regions using high-resolution satellite imagery: The case of L’Acquila earthquake on April 6, 2009*”, 2011 (in Greek).
- MSc thesis of Georgia Diakogianni entitled “*Ground deformation of Rio - Antirio region based on SAR interferometry and identification of potential causes*”, Dept. of Geography, Harokopio University, 2010 (in Greek).
- BSc thesis of Cristina Kalimani entitled “*Evolution of flood susceptibility towards risk estimation in the area of Zacharo on the basis of Earth observation data and geospatial models*”, Dept. of Geography, Harokopio University, 2010 (in Greek).
- BSc thesis of Ioanna Kostara entitled “*Ground deformation of Nafpaktos area using Persistent Scatterers Interferometry (PSI)*”, Dept. of Geography, Harokopio University, 2010 (in Greek).
- BSc thesis of Evangelos Sklavos entitled “*Mapping of coastline changes in Andaman and Nicobar Islands (Indian Ocean) using Earth observation data*”, Dept. of Geography, Harokopio University, 2008 (in Greek).
- BSc thesis of Penelope Kourkouli entitled “*Utilisation of ERS interferometric coherence in generation of land cover maps*”, Dept. of Geography, Harokopio University, 2008 (in Greek).

- BSc thesis of Andreas Routis entitled “*Generation and evaluating of Digital Elevation Model using ASTER satellite imagery and GPS measurements*”, Dept. of Geography, Harokopio University, 2005 (in Greek).

Workshops & Symposia

- Scientific Committee of [IEEE International Geoscience and Remote Sensing Symposium - IGARSS 2021](#), Brussels, Belgium, 11-16 July, 2021.
- Scientific Committee of [ESA's Living Planet Symposium 2019](#), Milan, Italy, 13-17 May, 2019.
- Scientific Committee of 11th International Conference on Advanced Geographic Information Systems, Applications, and Services - [GEOProcessing 2019](#), Athens, Greece, 24-28 February, 2019.
- Convener for the “[Introduction to RUS environment: Sentinel-1 InSAR for Subsidence monitoring](#)” session (SC1.4) of the EGU General Assembly 2018, Vienna, Austria, 8-13 April, 2018.
- Co-convener for the “[Sentinels for Science: Advances in Land dynamics and processes understanding](#)” session of the EGU General Assembly 2018, Vienna, Austria, 8-13 April, 2018.
- Co-convener for the “[Sentinel-1 Constellation: Operational Status and Future Evolution](#)” session of IEEE International Geoscience and Remote Sensing Symposium 2017 (IGARSS 2017), Texas, USA, 23–28 July, 2017.
- Co-convener for the “[Sentinel-1 for Science. INSAR results](#)” session of the EGU General Assembly 2017, Vienna, Austria, 23-28 April, 2017.
- Organizing and Scientific Committee of [ESA's 10th International Workshop on “Advances in the Science and Applications of SAR Interferometry and Sentinel-1 InSAR”](#) (FRINGE 2017), Helsinki, Finland, 5-9 June, 2017.
- Organizing Committee of ESA's 8th International Workshop on Science and Applications of SAR Polarimetry and Polarimetric Interferometry, [POLinSAR 2017 Science Workshop](#), Frascati, Italy, 26-30 January, 2017.
- Scientific Committee of [ESA's Living Planet Symposium 2016](#), Prague, Czech Republic, 23-27 January, 2016.
- Convener for the “Multi-temporal Remote Sensing Data Analysis for Geoscience Applications” special session of the [14th International Conference of the Geological Society of Greece](#) (EGE), Thessaloniki, Greece, 25-27 May, 2016.
- Organizing Committee of ESA's [6th Advanced Training Course in Land Remote Sensing](#), Romania, 14-18 September, 2015.
- Organizing Committee of ESA's 7th International Workshop on Science and Applications of SAR Polarimetry and Polarimetric Interferometry, [POLinSAR-BIOMASS 2015 Science Workshop](#), 26-30 January, 2015.
- Co-convener for the “Uncertainty & Sensitivity Analysis in Geosciences” session of the EGU General Assembly 2015, Vienna, Austria, 12-17 April, 2015.
- Organizing Committee of ESA's [Technical Workshop on Sentinel-1 TOPS Interferometry](#), Frascati, Italy, 10-11 December, 2014.
- Organizing Committee of ESA's [5th Advanced Training Course in Land Remote Sensing](#), Valenthia, Spain, 8-12 September, 2014.
- Organizing Committee of ESA's [4th Advanced Training Course in Land Remote Sensing](#), Athens, Greece, 1-5 July, 2013.
- Organizing Committee of the [International Forum on Satellite Earth Observation for Geohazard Risk Management](#), Santorini Convention Centre, Greece, 21-23 May, 2012.
- Organizing Committee of the [2nd INQUA-IGCP 567 International Workshop](#) on Active Tectonics, Earthquake Geology, Archaeology and Engineering in Corinth, Greece, 19-24 September, 2011.

Memberships

- [Committee on Earth Observation Satellites \(CEOS\) Working Group Disasters](#)
- [ESA Geohazards Thematic Exploitation Platform \(GEP\)](#), member of the User Advisory Board (UAB)
- [European Geosciences Union \(EGU\)](#)
- [IEEE Geoscience and Remote Sensing Society \(GRSS\)](#)
- [Geological Society of Greece \(GSG\)](#)
- [Geotechnical Chamber of Greece \(GCG\)](#)

References

Yves-Louis Desnos

Head of Earth Observation Exploitation Division

Science, Applications and Future Technologies Dept., Directorate of EO Programmes, European Space Agency, Via Galileo Galilei, Casella Postale 64 I-00044 Frascati, Italy.

E-mail: yves-louis.desnos@esa.int

Salvatore Stramondo

Head of Italian National Earthquake Center & Head of Satellite Earth Observation Data Unit

Istituto Nazionale di Geofisica e Vulcanologia (INGV), National Earthquake Center, Remote Sensing Laboratory, Via di Vigna Murata 605, 00143 Rome, Italy.

E-mail: salvatore.stramondo@ingv.it

Andrew Hooper, Professor

University of Leeds, Faculty of Environment, School of Earth and Environment, LS2 9JT, Leeds. UK.

Tel.: +40(0) 113 34 37723, email: a.hooper@leeds.ac.uk

Military Information

Military service completed.