

SOCQUET, Anne

French Citizen, 3 children (2006, 2008, 2014)

Professor at Univ. Grenoble Alpes - Observatoire des Sciences de l'Univers de Grenoble, France

PUBLICATIONS

ResearcherID: A-5698-2011, **ORCID:** 0000-0002-9208-7136, **URL:** <https://www.isterre.fr/Anne-SOCQUET>
~80 publications in peer-review journals, **h-index:** 37, **i10-index:** 64, **citation index:** 7000

RESEARCH INTERESTS

Space geodesy (InSAR + GPS) applied to seismotectonics and faults behavior during the earthquake cycle.

EDUCATION

2015 **Habilitation à diriger des recherches**, Univ. Grenoble Alpes, France
2003 **PhD** Earth Sciences, Ecole Normale Supérieure, Paris Univ., France
2000 **Master's Degree** Geophysics, Ecole Normale Supérieure, Paris University, France
1997 **Bachelor Degree** Mathematics and Computing, Clermont-Ferrand University, France

ACADEMIC APPOINTMENTS

2015-... **Professor** (*Physicienne des Observatoires**), ISTERre, OSUG, Univ. Grenoble Alpes, France
2011-2015 **Associate Professor** (*Physicienne adjointe**), ISTERre, OSUG, Univ. Grenoble Alpes, France
2006-2011 **Associate Professor** (*Physicienne adjointe**), Institut de Physique du Globe de Paris, France
2005-2006 **Post-Doctoral fellow**, ESS Department, University of California Los Angeles, USA
Remote Sensing, SAR interferometry, Active tectonics, Tibet, Allyn Tagh fault
2004 **Post-Doctoral fellow**, DEOS, Delft University of Technology, The Netherlands
GPS Space Geodesy, Plate tectonics, Indonesia, 2004 Sumatra subduction earthquake
2000-2004 **Teaching assistant**, Versailles Saint-Quentin University, France

INSTITUTIONAL RESPONSIBILITIES

2025-... **President elect**, Geodesy section, AGU
2020-2023 **Deputy Director of ISTERre** lab, in charge of observations and technical services
2024-... Member of Operational Planning Committee for SZ4D
2019-prés. **Member of Executive Board & Consortium Board of EPOS GNSS**
2016-2019 **Scientific Advisor** of the Research Vice President of Univ. Grenoble Alpes, France
2017-2020 **Member of CSTS** (Commission Spécialisée Terre Solide) for CNRS-INSU, France
2017-2020 Board of National Scientific Representatives, Surrogate member, EPOS
2014-2017 **Head of 'Seismic Cycle and Transient Deformations' Team** in ISTERre Lab., France
2015-... **Coordinator of "GNSS Products" in European Plate Observing System (EPOS)**
2015-... Head of EPOS GNSS processing center hosted by CNRS-OSUG, France

FELLOWSHIPS

2019 **Miller Invited Professor at University of California, Berkeley**, USA
2019 **Fulbright Fellow** from the Franco-American Commission
2010 **Invited Researcher**, DGF, Universidad de Chile, Santiago, Chile
2005 "*Initiative Post-Doc*" fellowship, France
2004 Delft University of Technology Postdoctoral fellowship, The Netherlands
2001 PhD fellowship, French Ministry of Research
1999 Visiting Student, Università di Roma 3, Italy

RESEARCH GRANTS

Subduction PI: ERC CoG DEEP-trigger 2020-2026, ANR JC AtypicSSE 2017-2021, INSU-ALEAS 2014, Labex OSUG@2020 2013, BQR SUD ISTERre 2013, SMINGUE 2012, **Part.:**, AXA JRI 2020-2023 (*PI: Gueguen*)
Rifting co-PI: ANR JC DORA 2009-14 (*PI: Doubre*), **Part.:** BQR IPGP 2009 (*PI: Jacques*)
Methods PI: PNTS 2014-16, PNTS 2009-11, MIAI@UGA DECODE-LFE 2023-2024
Spatial PI: CNES DEF@Andes 2018-2020, JAXA ALOS-2 2013-..., **co-PI:** ESA 2008-... (*PI: deChaballier*), **Part.:** CEOS Seismic Pilot 2104-... (*PI: Bally ESA*), ESA Dragon 2008-... (*PI: Lasserre*)
Europe Task leader in INFRA projects: EPOS-IP 2015-19 (*PI: M Cocco INGV*), GEO-Inquire 2022-2026 (*PI: F. Cotton GFZ*), **PI:** Labex OSUG@2020 2016-2020, **Part.:** ANR EQtime 2020-2024 (*PI: L. Benedetti*), AXA JRI SubRisk 2020-2023 (*PI: P Gueguen*), MSCA Doct. Network TREAD 2023-2025 (*PI: B Pace, Chieti U*)

* This type of position involves Observation duties, in addition to classical Teaching and Research duties. I have therefore been very much involved in the acquisition, processing and distribution of GPS data and products.

GEOPHYSICAL DEPLOYMENTS

- 2020-... Scientific Head of ERC DEEP-trigger seismo geodetic network in Chile & Peru (65 stations)
- 2011-... Scientific Head of South Peru cGPS network (10 stations)
- 2012-... Chief scientist for 4 GPS campaigns and network deployment in South Peru
- 2009, 2012 Chief Scientist for 2 GPS campaigns and network deployment in Afar (Djibouti and Ethiopia)
- 2007-2011 Head of North Chile cGPS network (15 stations)
- 2007-2015 Chief Scientist for ~8 GPS campaigns and network deployment in Chile
- 2000-2004 Field officer in 4 GPS campaigns in South East Asia (Myanmar, Indonesia)

ORGANISATION OF SCIENTIFIC MEETINGS

- 2024 **Co -Organizer** of the Geo-Inquire School on Strain Rates mapping for Hazard, Corinth, Greece
- 2023 **Main Organizer** of the School on Subduction, Cargèse, France
- 2022 Member of Scientific Committee, G2 “Geodésie, Géophysique, Montagne”, Grenoble, France
- 2022 Member of Scientific & Organizing Committee, Workshop subductology, Valence, France
- 2021 **Member of Scientific & Organizing Committee**, 3rd School on Earthquakes, Cargèse, France
- 2018 **Main Organizer** of Wegener IAG General Assembly, Grenoble, France
- 2014 **Member of Scientific Committee**, Wegener IAG General Assembly, Leeds, UK
- 2013, 15, 17 **Member of Scientific & Organizing Committee**, MDIS workshop, France

COMMISSIONS OF TRUST & REVIEWING ACTIVITIES

- 14 Recruitment and Career Evaluation Committees for IT, Associate Professors, Full Professors (France & abroad)
- 3 HDR Defense Committees
- 14 PhD Defense Committees

Evaluation of scientific proposals: Panels & Reviews

- 2015-2020 Member, then Chair of CT3 ‘Hazard’ Review Panel for CNRS-INSU, France

Reviews of proposals for ERC Synergy, ERC Starting, NSF USA, CONICYT Chile, NERC UK, NTU Singapore, ANR JC, ANR post-doc, CNES-TOSCA, INSU-Tellus, Labex OSUG@2020, Czeck Science Foundation ...

Evaluation of scientific papers: Edition & Reviews

- 2024-... Associate Editor for JGR-Solid Earth, AGU
 - 2021-... Associate Editor for G-cubed, AGU
 - 2024-... Organizer of Joint Special Collection “*Slow to fast earthquakes and the geology, structure, and rheology of their host subduction zones*” in JGR-Solid Earth, G-cubed, GRL, AGU
 - 2021 Guest Associate Editor for a Research Topic in Frontiers in Earth Science
- Reviews for International Journals: Science, Science Advance, Nature Geoscience, Nature Communications, JGR-Solid Earth, GJI, GRL, EPSL, JVGR, Tectonics, Tectonophysics, J. Seismology, Ind. J. Mar. Sc., PAGEoph., J. South American Sc., JAES, J. of Geodesy, etc...

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 12 PostDocs, 15 PhDs, 24 M.Sc.

TEACHING ACTIVITIES

- 2011-... **Associate Professor**, then **Full Professor**, Université Grenoble Alpes (~70 hours/yr)
Master 2 ‘Active Faults and remote sensing’
Master 1 ‘Introduction to seismic Hazard’
- 2006-2011 **Associate Professor**, Institut de Physique du Globe de Paris (~100 hours/yr)
- 2000-2004 **Teaching assistant**, then **Associate Lecturer** Univ. Versailles Saint-Quentin (~70 hours/yr)

DISSEMINATION (selected)

- 2023 MOOC *ORISAT* with UGA : *Remote sensing of natural hazard.*
<https://www.fun-mooc.fr/fr/cours/orisat-teledection-des-risques-naturels/>
- 2022 Exhibition “*La Science taille XXelles*”
<https://www.cnrs.fr/fr/cnrsinfo/la-science-taille-xx-elles>
- 2013 Documentary ‘*La valse des continents*’ by Alexis de Favitski for Arte
<https://educ.arte.tv/program/la-vals-des-continentes-l-amerique-du-sud>

CAREER BREAKS

- 2006 Maternity, 4 months leave (August to November)
- 2008 Maternity, 4 months leave (March to June)
- 2014 Maternity, 6 months leave (January to June)