

KATIA J. PINHEIRO

<https://katiajpinheiro.com>

PROFILE

Scientific communication and outreach professional with over 15 years of experience in international research environments. Proven expertise in designing and delivering communication and outreach strategies for European research projects, engaging diverse research communities and supporting open science and scholarly publishing. Solid background in the open science landscape, with direct experience across the research and publishing lifecycle as both a researcher and a Topic Editor.

KEY EXPERTISE

- Scientific Communication & Outreach Strategy
- Research Community Engagement
- Open Science & Open Access Practices
- Scholarly Publishing & Peer Review
- Social Media & Digital Communication
- Digital & Audiovisual Content Production
- European Research & Funding Environments

WORK EXPERIENCE

Science Communicator - CNES (Centre National d'Études Spatiales) - Based at ISTERre (Grenoble) **Fev 2025 - Present**

- Design and implement outreach and communication strategies for the ERC Synergy Grant GRACEFUL.
- Develop presentations and promotional materials, adapting content and tone to diverse audiences, including researchers and institutional stakeholders.
- Produce digital and editorial content for the GRACEFUL website and YouTube channel, translating complex scientific research into accessible narratives.

Invited Researcher (GFZ German Research Centre for Geosciences) **Oct 2021 - Sep 2022**

- Developed open-access, INTERMAGNET-compliant data formats, supporting standardised dissemination, interoperability, and reuse.

Researcher (Observatório Nacional - Brazil) **May 2009 - Sep 2021**

- Coordinated the Brazilian magnetic observatory network, including strategic planning, international cooperation agreements with partner institutions in Europe, and open-access data production.
- Led communication and outreach activities for the network, including the production of communication materials, organisation of international scientific meetings, and the creation and branding of the MOSAIC initiative (visual identity and website).

Postdoctoral Researcher (LPG - Nantes) **Sep 2013 - Aug 2014**
Sep 2015 - Aug 2016

- Conducted geomagnetism research leading to peer-reviewed publications, with direct experience in open-access publishing and research dissemination.

EDUCATION

Ph.D. in Earth Sciences - ETH Zurich (Switzerland) **Dec 2004 - Feb 2009**

Master in Geophysics - Observatorio Nacional (Brazil) **Mar 2001 - Jun 2003**

Bachelor in Oceanography - UERJ (Brazil) **Mar 1997 - Feb 2001**

SELECTED PROJECTS

Early-career Scientists Network (ECSNet)

Jul 2024 - Present

Founder & Communication Lead

Sponsors: IUGG (International Union of Geodesy and Geophysics) and affiliated associations (IAGA, IAVCEI, IASPEI, IACS, IAG, IAMAS)

- Led communication and outreach strategy for an international early-career researchers network, promoting platform awareness, engagement, and long-term sustainability.
- Coordinated multi-channel content and messaging (web, social media, video) and represented the network in international scientific conferences.

Lights, Camera, Early-Career Scientists in Action!

Jun 2025 - Nov 2025

Project Lead

Sponsors: Europlanet Society; IAGA

- Led an international outreach initiative and designed and delivered training activities supporting early-career researchers in communicating their research and engaging with scientific communities.

PROFESSIONAL SERVICES

- Topic Editor, *Frontiers in Earth Science* (09/2025–present)
- YouTube Channel Editor - IUGG
- Guest Member, IUGG Early Career Scientist Committee (2025–present)
- Member, IAGA Executive Committee (2023–present)
- Member, IUGG Equality, Diversity, and Inclusion Committee (2024–present)
- Co-chair, IAGA WG-V – Geomagnetic Observatories, Surveys & Analyses (2019–2023)
- Organizer & Chair of International Sessions and Events (2012 - present)

SELECTED PEER-REVIEWED PUBLICATIONS

- **Pinheiro, K. J. et al. (2019).** Geomagnetic jerk features produced using synthetic core flow models. *Physics of the Earth and Planetary Interiors*, 291, 35–53.
- **Pinheiro, K. J. et al. (2011).** Measurements and uncertainties of the occurrence time of the 1969, 1978, 1991, and 1999 geomagnetic jerks. *Geochemistry, Geophysics, Geosystems*, 12(10), 32 pp.
- **Pinheiro, K. J. & Jackson, A. (2008).** Can a 1D mantle electrical conductivity model generate magnetic jerk differential time delays? *Geophysical Journal International*, 173(3), 781–792.

SELECTED TRAINING

A Practical Guide to Open Access In Science (Wiley Researcher Academy)

Audiovisual Courses (Brazilian Academy of Cinema)

- Intensive training in screenwriting, directing, cinematography, editing, and documentary filmmaking.

LANGUAGES

- **English:** fluent; daily working language internationally
 - **French:** professional working proficiency
 - **Portuguese:** native
 - **German:** basic
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