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**Postdoctoral position in seismology at the Institut de Physique du Globe de Paris in Paris**

**Job offer from the institut de physique du globe de Paris | CNRS UMR 7154**

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| **Researcher in** | **Seismology / Marine Geosciences** |
| **Duration** | **18 Months** |
| **Affectation** | **IPGP** |
| **Salary** | **from 2300€ (depending on experience)** |
| **Date of publication** | **01/05/2025** |
| **Starting date** | **Between the 01/09/2025 and the 01/11/2025** |
| **Location** | **Paris** |

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### **The institut de physique du globe de Paris**

**A world-renowned geosciences organization, the IPGP is associated with the CNRS and an integrated institute of the Université Paris Cité. Bringing together more than 500 people, the IPGP studies the Earth and the planets from the core to the most superficial fluid envelopes, through observation, experimentation and modeling.**

**The research areas are structured through 4 main unifying themes: Interiors of the Earth and Planets, Natural Hazards, Earth System and Origins.**

**The IPGP is in charge of labeled observation services in volcanology, seismology, magnetism, gravimetry and erosion. And the IPGP's permanent observatories monitor the four active French overseas volcanoes in Guadeloupe, Martinique, Réunion Island and Mayotte.**

**The IPGP hosts powerful computing resources and state-of-the-art experimental and analytical facilities and benefits from first-class technical support. The IPGP provides its students with geosciences training that combines observation, quantitative analysis and modeling, and that reflects the quality, richness and thematic diversity of the research conducted by the IPGP teams.**

### **Team Department**

**The postdoctoral research will be conducted at the Institut de Physique du Globe of Paris (IPGP, Paris, France). The successful candidate will be integrated into the Marine Geoscience and Seismology teams of the Institute. He/she will also work in collaboration with researchers from the Volcanological and Seismological Observatory of La Martinique that IPGP is in charge of.**

**Supervisors: Cecile Prigent (IPGP; Marine Geosciences), Lise Retaillleau (IPGP; seismology), Jordane Corbeau (IPGP-OVSM; seismology).**

### **Missions**

**The Institut de Physique du Globe de Paris invites applications for a postdoctoral researcher in the framework of the ANR SOFT project which aims at constraining the role of oceanic fracture zones on the short-term to long-term dynamics of subduction zones.**

**The postdoctoral research will focus on the role of fracture zones on the seismicity dynamics across the Lesser Antilles subduction zones. The successful candidate will take advantage of automatic and manual seismicity catalogs that have been built in the Lesser Antilles. While also working on methodologies to improve these catalogs, the main goal will be to analyze along-strike spatiotemporal variations in the distribution and source characteristics (e.g., focal mechanism, frequency content…) of earthquakes with decadal data.**

**Expected Skills**

**Skills in signal processing, machine learning and in python are highly desired.**

### **Training and experience required**

**A Ph.D. in Geophysics and experience with the analysis of seismological data are required.**

### **How to apply**

**The application must be sent to Cecile Prigent (****prigent@ipgp.fr****). Please attach a cover letter, a CV and the names of two references who may be contacted for letters of recommendation. Please contact Lise Retailleau (****retailleau@ipgp.fr****), Cécile Prigent and Jordane Corbeau (****corbeau@ipgp.fr****) for more information.**

**Application due by June 6**