

Patrick ALLARD

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Patrick Allard is President-elected of the IAVCEI for 2019-2023, after having served as vice-president in 2015-2019. He is Director of research Emeritus within French CNRS, attached to the Institut de Physique du Globe de Paris (IPGP). He is also Associate Researcher of INGV (National Institute of Geophysics and Volcanology of Italy, Catania section), since 2003.

Patrick Allard got a Ph.D in Earth Sciences (Geochemistry) in 1978 from Paris 7 University, then a State Doctorate in 1986 after a 4-yr research contract with the French Atomic Energy Council (CEA, Saclay). He was recruited as CNRS researcher in 1982 then as CNRS Director of research in 1994. He was a post-doctoral research fellow of Vesuvius Observatory-Naples University in 1986-1988. Ultimately, he was a guest Professor in the Earthquake Research Institute (ERI) of Tokyo University, Japan (2013 and 2015) and in the Earth Observatory of Singapore (EOS) in 2017 and 2018.

For over 48 years Patrick Allard has developed researches on volcano/magma degassing processes (precursors, dynamics and budgets), their interactions with hydrothermal systems, and the impact of volcanic volatile emissions on geochemical cycles, by using a wide range of instrumental tools (from stable and radioactive isotopes, microprobe analysis of solid samples, to UV-FTIR remote gas sensing and airborne plume measurements). He conducted field measurements on active volcanoes in different regions of the world (Africa, Italy, Iceland, Azores, Capo Verde, Greece, Antilles, Reunion, Central America, Indonesia, Japan, N. Zealand, Vanuatu, Kamchatka, Philippines, Galapagos) and laboratory studies in different Institutes, both in France (CFR, LSCE, Laboratoire Pierre Süe, IPGP) and outside (Italy, Japan, Singapore). PA also made several stays in volcano Observatories (Soufrière of Guadeloupe 1976-77; Vesuvius 1986-88; Etna 2000-2001) and contributed to hazard assessment during eruptive emergencies or volcanic unrest in different places (Guadeloupe, Antilles; Nicaragua (1978, UNESCO); Merapi (1977-79, French- Indonesian collaboration); Vesuvius (1996, European alert exercise); Etna (2000-2003, Poseidon System then INGV); Nyiragongo, Congo, 2002 (Foreign Ministry)).

Patrick Allard is author or co-author of about 140 publications (among which 7 in *Nature* and *Science*), with an h-index of 42 and 5927 citations. He has coordinated various research programmes or contracts at national, European and international levels, and chaired or co-convened many sessions at international meetings (AGU, EGU, IAVCEI, IUGG, GNV, RST..). He is Associate editor of *Bulletin of Volcanology* (2015-2019) and was member of the Editorial board of *Solid Earth* (2009-2015) and *Acta Vulcanologica* (2003-2006).

Selected national and international responsibilities

- Scientific advisor to the French Government for the Mitigation of Major Natural Hazards, and Secretary of the French Committee for Volcanic Risk Mitigation (CSERV, 1983-1985)
- Coordinator of a collaborative training program in volcanology between France and Central America (CEPREDENAC), 1989-1993
- Executive secretary of the IAVCEI Commission on "Chemistry of Volcanic Gases" (1991-1997)
- Leader of the Working Group "Lithospheric Emissions of Carbon Dioxide" of INQUA, 1996-1999
- Member of the Italian Commission for triennial Programming in Volcanology (1998-1999)
- Scientific responsible of the geochemical monitoring of Mt. Etna, Italy (Poseidon System, 2000-2001)
- President of the Volcanology section of CNFGG (French National Committee for Geophysics & Geodesy), 2002-present
- Co-Leader of the IAVCEI Commission on "Chemistry of Volcanic Gases" (2011-2014)
- Member of the Observation Service in Volcanology of French CNRS-INSU (2010-2012)
- Responsible of IPGP's Transverse Research Program in Volcanology (2012-2014)
- Member of scientific program Committee of IAVCEI-2013 Assembly (Kagoshima, Japan)
- Vice-President of the IAVCEI (International Association of Volcanology and Chemistry of the Earth's Interior), 2015-2019
- Member of the steering committee 'Reservoirs & Fluxes' of the Deep Carbon Observatory (2012-2019)