

CURRICULUM VITAE

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Academic Degree - IRD Status - Languages

- PhD Hydrology, hydrochemistry, soil and environment (Toulouse University - France).
- Research engineer in geo-natural and anthropized environments – IR A1D47.
- IRD Steering Committee Member since 2013 and former IRD Scientific Committee member (2008-2012).
- Languages: French (native speaker), fluent Spanish, fluent English.

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Research - Development and Teaching – h-index = 22

The strongest points of his research are:

- Specialist of hydrophysical measures and erosion parameters (on-site and off-site effects) in natural environment (from 1 m² scale to watershed).
- Metrologist: technical innovation for the runoff simulator, apparatus for taking pictures in vertical position, traps for sediments *in situ* samples;
- Soil crusts cartographer (maps used in ecology and hydrology);
- Consulting soil sciences for natural disasters in Ecuador (El Niño and landslides);
- Consulting soil sciences for hydrophysical measurements in Asia and Central America.
- Advisor and lecturer for students (engineers, MSc and students PhD) and partners (workshop-training in Asia and Central America).

Keys words: ecology - hydrodynamics - infiltration/runoff - metrology - soil degradation and erosion processes at different scales (from 1m² to watershed) – watershed management.

Positions

Environmental Research Engineer of the Institute of Research and Development (IRD) involved to Institute of ecology and environmental sciences (IEES) - Paris – France. <http://ieesparis.ufr918.upmc.fr/>

- Since 1st September 2019: Research engineer in geo-natural and anthropized environments at IEES-Paris – France.

- April 2016 – August 2019: Visiting scientist to Land Department Development (LDD) - Bangkok - Thailand. Watershed management research: hydrology and erosion processes.
- September 2015 - March 2016: Environmental engineer at Institute of ecology and environmental sciences (IEES) - Paris - France.
- September 2010 - August 2015: Visiting scientist to Soils and Fertilisers Research Institute (SFRI) - Hanoi - Vietnam. Hydroecology from inland to coastal areas.
- Nov. 2006 - July 2010: Visiting scientist to School of Bioresources Engineering and Environmental Hydrology - University of KwaZulu-Natal – South Africa. Hydroecology and ecopastoralism.
- 1999 - July 2006: Visiting scientist to International Water Management Institute (IWMI). Responsible of Management Soil Erosion Consortium program: MSEC project in Thailand. Soil science research activities and rainfall simulation experiments in Thailand (Hydro physics - Erosion – Bathymetric Survey - Hydrodynamics). Consultant-Expert in soil sciences for hydrophysical measurements in South East Asia and Central America.
- 1995 - June 1999: Responsible of the soil science area for the program titled " Studies of erosion and hydrodynamic of the Pichincha volcano, EMAAPQ - Quito, Ecuador.
- 1989 - August 1995: First assistant for program managing soil resources in Ecology, Institute of Ecology, Durango, Mexico.
- 1982 - Sept 89: First assistant in soil science for the research program titled "Study of the sustainable resources of the savannah watershed in Ivory Coast", Abidjan. Soil surfaces cartographer in West Africa (Senegal, Burkina Faso, Mali, Togo) and Central Africa (Congo) and French Caribbean's Islands (Martinique, Guadeloupe).

RESEARCH OUTLOOK

Dr. Jean-Louis Janeau has 38 years' experience in the field of erosion and hydrodynamic studies influencing the ecosystem ecologies. He is an IRD engineering specialist for hydrophysical measurements and erosion parameters in the natural environment and cropped areas using rainfall and runoff simulators and stream flow studies.

From 1984 to 1999, he developed many technical innovations for the runoff simulator, apparatus for taking pictures in the vertical position, and traps for *in situ* sediment samples. He is a soil crusts' cartographer with experience in different surveys in West Africa, Mexico, and Ecuador where he was posted for 6, 6, and 4 years, respectively. He was a consulting engineer in soil sciences for natural disasters in Ecuador (El Niño and landslides) and he is a consulting engineer in soil sciences for hydrophysical measurements in Asia and Central America.

Since 2000, he has been based at IWMI (CGIAR) in Thailand. He is having been involved in the MSEC project with specific focus on off-site effects (soil losses, the siltation, and the water quality of reservoirs) and he leads this research programme in Thailand. From November 2006 to July 2010, he was visiting scientist at the School of Bioresources Engineering and Environmental Hydrology - University of KwaZulu Natal, South Africa with focus about land degradation and eco-hydrology. From Sept. 2010 to August 2015, he was visiting scientist to the Soil and Fertilizers Research Institute in Hanoi, Vietnam dedicated to hydro-sedimentary survey and characterization of carbon sequestration and macrofauna activities. From Sept 2015 to March 2016, he was lecturer in water and soil conservation at Tours University (France) and environmental engineer at Institute of ecology and environmental sciences (Paris – France). From April 2016 to August 2019, he was visiting scientist at Land Department Development in

Bangkok, Thailand to participate at watershed research project, hydrology, and erosion processes. Since September 2019, he is research engineer at IEES-Paris, France.

Jean-Louis Janeau has published his research findings in peer-reviewed journals (47 articles and 1 book editor and 4 chapter of book) and conference proceedings and he has presented 10 communications at international conferences. He is an advisor for students (engineers and PhD students) and partners (workshop and training) in Asia, Africa, and Central America and in Tours University in France (lecturer for bachelor and master's degree).

JL Janeau is strongly involved to IRD since years as member of scientific committees and scientific council and since 2013 member of the steering committee. Moreover, he was acting representative of IWMI in Thailand, and he was acting representative for IRD in Thailand.

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