

Sébastien PINEL

12, rue de Strasbourg
81200 Mazamet – France -

☎ 0033 767 492 878

✉ sebpinel@gmail.com

<https://sebpinel.wixsite.com/spinel>

37 y.o., single



Mathematics Doctor es spatial hydrology

Adaptability & Autonomy

Modeling & Transdisciplinary

WORK EXPERIENCES

- 2018-2019 Laboratory of industrial environment Engineering – post-doctoral position (IMT Alès, Fr.)
Peatlands contribution to the support of low-waters: statistical analysis and modeling by artificial neural networks.
- 2017-2018 Research institute for the development (IRD, Montpellier, Fr.) - Research engineer
Hydrodynamics modeling;
Water zone detection by radar imagery.
- 2013-2017 (UEA/INPA, Manaus, Br.) - PhD. student in space hydrology
Hydrodynamics of Amazonian floodplain: modeling through vi in situ data and remote sensing;
Mathematics teacher (University);
Tutor of de master work;
Congress, Seminars, filed work.
- 2012 Egis Eau (Fort de France, Martinique) - Internship in engineering
Rivers modeling and hydraulics studies;
Environmental studies.
- 2011 City council in Mazamet (Fr.) - Internship as technician
Technician in wastewater treatment plant and sewerage systems;
- 2007-2011 Ministry of education (Cayenne, French Guyana) – Mathematics teacher
Mathematics teacher in high school and vocational school;
Manager of pedagogic teams;
Adult trainer: courses for civil service examination and French diplomas;
Member of board of examiner.
- University of Guiana (Cayenne, Guiana) – Mathematics teacher
Adult trainer: courses for civil service examination and French diplomas.
- 2006 Statistics and probability laboratory(LSP, Toulouse) – Internship as researcher
Entropy maximum and log-concavity.
- 1999-2005 Lifeguard, Aqua-gym teacher, private tuitions

EDUCATION

- 2017 PhD. es spatial hydrology (UEA/INPA, Manaus, Br.)
- 2012 Master in water engineering “Environmental and hydro-informatics projects management” (UNSA, Polytech’Nice, Fr.)
- 2007 MS in applied mathematics research option probability and statistics (UTIII, Toulouse, Fr.)
- 2006 National French advanced degree in mathematics : « Agrégation externe de mathématiques » (UTIII, Toulouse, Fr.)
- 2003 BA fundamental Mathematics (UTIII, Toulouse, Fr.)

INFORMATICS SKILLS

Hydraulic/hydrodynamic modeling: <i>Infoworks RS, HEC-RAS, IPH-ECO, Telemac, Epanet</i>	GIS <i>MapInfo, Arcmap, Qgis</i>
Hydrologic modeling: <i>HEC-HMS, Mike SHE</i>	CAD <i>Autocad</i>
Neural network modeling <i>RnfPro, Matlab, R</i>	OS and tools <i>Linux, Windows, Latex, Microsoft project, Office pack</i>
Programming <i>Python, Matlab, Maple, Caml, Fortran 2008, R</i>	

LANGUAGES

French: <i>fluent</i>	Spanish: <i>read and understood</i>
English: <i>fluent</i>	French Caribbean Creole: <i>good knowledge</i>
Portuguese: <i>fluent</i>	

MISCELLANOUS

Car, motorcycle, boat driving licenses
Sports: *football (club), tennis (tennis instructor), swimming (life guard), board sports*
Performing arts: *theater and music*
Mycology