

CURRICULUM VITAE – STEPHANE DEBARD
PROJECT MANAGER
 INFORMATION SYSTEM, SCIENTIFIC COMPUTING AND DATA MANAGEMENT
 12 YEARS OF EXPERIENCE

Education and degrees

<ul style="list-style-type: none"> ▪ 2005 - Master II - SIG et gestion de l'espace - Mention bien. ▪ 2002 - Diplôme Universitaire ▪ 2000 - Maîtrise de biologie des populations et des écosystèmes. ▪ 1999 - Licence de biologie générale, option géologie ▪ 1998 - DEUG de biologie Sciences de la vie et de la terre (SVT) ▪ 1994 - Baccalauréat S, option SVT 	<p>Jean Monnet University, St Etienne & ENISE. (National School of Engineering). Joseph FOURIER University, Grenoble.</p> <p>Jean Monnet University, St Etienne</p> <p>Lycée Jacob HOLTZER, St Etienne.</p>
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Engineer – IT Projects Manager

 **2016 → Today : IRD – UMR ESPACE-DEV & UMR Hydrosociences, Montpellier.**

Management of multi-partner projects (CNES, IRSTEA, ...) for geographics informations systems, metadatas and scientifics datas specilized in satellites imagery and multi-sensors (GeoSud, Théia, DINAMIS).

Engineering on norms and standards of data related to the observation of hydrological systems (in situ and spatial altimetry) - Project OPAC (Martinique) and CICOS (Congo). Expertise and developpment in System of Information Spatialized, support for scientific computing projects, fundrasing and response of various scientific call.

 **2008 → 2016 : IRD – scientific computing service - DDUNI, Montpellier.**

Expertise in Spatial Information System (AMOA-MOE), writing specifications (general, functional and technical clauses) and processing in scientific computing. Managing a team and private partners for developpment and design (workflows, model, developpment...) to web applications and large GIS databases: Ex: Infrastructure project manager of "geographic reference data" for the institute and partners. Definition and implementation of GIS services: Licensing services for proprietary software (ENVI, ERDAS, ARCGIS, and SIGDEF: Shared access to licenses of a proprietary software). Writing documentations: Reports, technical manuals, methodological guides, API. Organization and animation of scientifics workshops about datas and open source softwares.

 **2006 → 2008 : IRD – US Désertification puis US Espace-DEV, Montpellier.**

IT developments of a complex spatialized information processing model to assess the risk of desertification in sub-Saharan Africa. Design and implementation of heterogeneous data processing modules. Support / training / implementation in African National Observatories (25 Southern partners)

 **Mars 2005 → Septembre 2006 : IFREMER, Laboratoire Environnement Ressources/PAC, Toulon.**

National hydrological engineering (for « benthic network » / REBENT and Water Framework Directive / Rhône Méditerranée & Corse Water Agency) in a context of monitoring / biological observations of the coastal waters of the Mediterranean coast. Definition of needs, analysis of the existing, design of architectures and standardized databases in accordance with standards from the scientific communities for Ifremer and MEDDM.

 **Autre ... 2003 → 2004 : Chambre d'agriculture de la Loire (42)** - Technology Development Team.

GIS database maintenance and updating, GIS maps for CTE and PAC declaration. Contacts with users and consolidation of GIS metadata records.

Abilities and general knowledge

- IT projects management with multi-partner (national - international), meeting facilitation and good writing skills.
- All ISO geographical standardizations (19115, 19139 ...) and all OGC standards (Geographical Webservices, ...) and interoperability rules.
- Familiar with methods and techniques of spatial analysis and remote sensing (models builders, image processing, segmentation).
- Scientific data management, webmapping and data cataloging.
- Scientific and technical English: Intermediate / Spanish: Notions.
- Regular missions to the partner countries of the IRD institut (Africa, Latin America, ROM-COM).
- Biology, ecology and earth sciences.

Computer and tools technologies	SGBD	PostgreSQL, MySql, Access, NoSQL	Seasoned
	Design and model	Power AMC Sybase, Windis'n	
	Project Management Tools	Web2projet, Microsoft Project, Excel, Word, PowerPoint	
	Web & WebMapping	CMS : Ez.publish, Joomla, Clients SIG divers (OL3, Leaflet)	
	Datas Providers	Arcgis Server, Geoserver, Constellation, MapServer	
	GIS	MapInfo, Géoconcept, Arcgis (10.5), Qgis, Jump, PostGis, Envi	
	Catalog tools for metadatas	GéoNetWork, Geoportal ESRI	
	Web serveurs	Mapserver, ArcGisServer (Géographique), Apache, TomCat (Applicatif), 52° North	
	Langages	JAVA, J2EE, SQL, HTML, PHP, CSS, XML, XSL, XSD, VB 6, VBA, MapObject, ArcObject	
	OS	Linux (CentOS, Ubuntu, RedHat) et Windows	Utilisation avancée
Collaborative tools	Versioning : Subversion - Forge, GitHub, Git Lab		

Publications - Scientific and technical

2008 – **Debard Stéphane, Hocdé Régis, Granouillac Bruno** - Le monde des cartes. 1/SIG libres – 2/La normalisation en information géographique.

2007 – Sécheresse - **Maud Loireau, Mongi Sghaier, Mondher Fétoui, Magatte Ba, Mohamed Abdelrazik, Jean-Marc d'Herbès, Jean-Christophe Desconnets, Didier Leibovici, Stéphane Debard, Éric Delaître.** Système d'information sur l'environnement à l'échelle locale (Siel) pour évaluer le risque de désertification : situations comparées circumsahariennes (réseau Roselt). Science et changements planétaires / Sécheresse. 2007;18(4):328-335. doi:10.1684/sec.2007.0104

2006 - Participation in the drafting of the report "preliminary draft of the benthic network (Ifremer-AERM & C)".

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