

CURRICULUM VITAE

1. **Family name** : LASRY
2. **First name** : Florent
3. **Date of birth** : February 22, 1977
4. **Nationality** : French
5. **Civil status** : Married
6. **Education** :

Institution	Degree(s) or Diploma(s) obtained:
Faculty for Geoinformation Science and Earth Observation (ITC) , The Netherlands [2008]	Environmental Impact Assessment and Strategic Environmental Assessment (Certificate - Distance course)
Institute of Higher Education in Computer Sciences and Communication (IFSIC) , University of Rennes, France [2001 to 2002].	Master 2 (Eq. Master of Science) in Computer Science (honors)
Institute of Alpine Geography (IGA) , Joseph Fourier University, Grenoble, France [1997-2000].	Master 1 in Environment and Development Studies, option GIS/Remote Sensing (honors)
Joseph Fourier University , Grenoble, France [1995-1997].	Diploma of Higher Education in Biology and Geology

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
French (mother tongue)	1	1	1
German	4	4	4
Italian	3	4	4

8. **Membership of professional bodies:**

- **International Geospatial Society**, Member.
- **AARSE** (African Association of Remote Sensing of the Environment), Member.
- **GeoRezo** (French portal for Geomatics), Member, Moderator of lists "Télédétection" and "Géomatique".

9. **Awards:**

- **AARSE-ESA Award for Best Paper Presentation** at the 6th African Association of Remote Sensing of the Environment (AARSE) conference, 2006, hosted by the National Authority for Remote Sensing and Space Sciences (NARSS).
- **26th ESRI International User Conference: Special Achievement in GIS**, Set up of webmapping portal for Rwanda at CGIS-NUR, 2005.

10. **Present position:** Freelance consultant.

11. **Number of years of professional experience:** 15 years.

12. **Key qualifications:**

- **Geographer and spatial information systems specialist, with a focus on environment monitoring and land management**, with more than **fifteen (15) years** of international work experience in managing and implementing projects and programs in Africa and Europe, within international institutions (European Commission, GIZ, World Bank, African Union Commission), academic or research institutes (Institute of Research for Development, French National Centre for Spatial Studies, National University of Rwanda), or for private consulting companies (Thales, BRLi, Hydratec, BMB Mott Mc Donald, Arup, Sofreco).
- **Professional knowledge of GIS and remote sensing methods and tools for spatial information management:** raster and vector geoprocessing, geodatabase models, spatial analysis, 3D and terrain analysis, field data collection and data entry, data quality control, spatial data infrastructures (SDI), National GIS centre setup etc.
 - **Professional skills in Geographic Information Systems (GIS) and Spatial Databases:** development of geodatabases, spatial models, spatial analysis and processings (ESRI ArcGIS Desktop, ArcGIS Mobile, ArcView 3.x, MapInfo, GeoConcept, Quantum GIS). Metadata, geocataloging and spatial data infrastructure (Geonetwork, MDweb).
 - **Mapping and webmapping:** professional mapping skills (Illustrator, Mapublisher, ArcMap), production of several atlases (local, national and regional scales). Webmapping: development of geoportals, using opensource or commercial packages (Web Map Services, Mapserver, Geoserver – PostGIS – Cartoweb, Openlayers – ArcGIS server).
 - **Advanced use of remote sensing and image processing:** classification methods, accuracy assessment (ERDAS Imagine, ENVI, ILWIS); Image server setup; Satellite and aerial image acquisition; Photogrammetry: ERDAS LPS, BAE/Socet Set. Ground receiving stations setup for low and high resolution satellites; Geocoding; Positioning systems GPS, GLONASS, GALILEO– Differential GPS, GNSS.
- **Applications in environmental monitoring and Natural Resources Management:**
 - **Land management:** cadastral surveys, mapping and land registration (Madagascar, Rwanda, Burundi), setup of land information management and land administration systems.
 - **Water management:** integrated water resources management, hydrological and basin modelling (Mike Basin), drainage system extraction and analysis, national water information systems development (Burkina Faso, Guinea, Kagera).

- Meteorology and climate change: time series analysis, short weather forecast, setup of complete meteorological station. Impact of climate change on protected areas and vegetation development. Support to climate change mitigation and resilience for local communities and national decision makers.
 - Forestry/agroforestry: forest inventories and mapping (Rwanda, Madagascar, East Africa IGAD).
 - Biodiversity and conservation: monitoring of protected ecosystems (national park), GPS anti-poaching systems.
 - Soil and land cover: land use/land cover mapping, land degradation and erosion modelling, vegetation monitoring.
 - Agricultural monitoring: yield forecasting (European CAP), Olive and vineyard EU monitoring systems.
 - Policy and environmental impact assessment: development of national and regional policies on environment monitoring, Methods and tools for spatial Environmental Impact Assessment studies.
- **Project preparation, implementation, management, monitoring and evaluation:**
 - Identification, formulation and preparation of projects and programmes: needs analysis, planning and design (results, activities, institutional partnerships), logical framework (SMART indicators), particularly EU and World Bank.
 - Advanced EDF experience (European Development Fund, 9th and 10th): daily use of PRAG, procurement procedures (supply, services, work), terms of reference, tender dossier and awarding. Budget preparation.
 - Project implementation: result oriented management methods, financial management, leadership and human resources management (technical and administrative teams 20+). Quality insurance plans.
 - Monitoring and evaluation: project audits, performance and scope verification, results oriented monitoring.
 - Communication, visibility: communication plans, visibility tools (newsletters, websites, mailing lists, etc.).
 - **Extensive experience in information systems development and computing:** design, modelling, development and deployment of information systems, software programming, network administration, informatics master plans design.
 - Database Management Systems: PostGreSQL, ORACLE, ACCESS, MySQL, SQL language, ODBC, pgAdmin.
 - Programming: .net, Python, IDL, MATLAB, AVENUE, ArcObjects, C/C++, JAVA, VB-VBA.
 - Modelling: UML, MERISE, PowerAMC, WinDesign.
 - Web development: PHP, HTML, JavaScript, CSS, SVG, KML. CMS: Joomla, Drupal, WordPress. GED: GenisisWeb.
 - OS and networks: Windows NT/XP/Vista/7, Linux, Unix, Windows server.
 - **Capacity building and curriculum development:**
 - Lecturer and trainer in GIS, Remote Sensing, database management and associated fields, at MSc and BSc levels.
 - Strong experience in organizing and conducting geoinformation professional courses and workshops.
 - Training plan preparation: Training of trainers (ToT), training needs analysis (TNA), national/regional training plans.
 - Working with academia: Support to curriculum development at university level, integration of GIS and RS courses.
 - Perfect knowledge of the training cycle: training design, training material preparation, training implementation and logistics, quality control and evaluation.
 - Distance education: black board, DE courses organization.
 - Learning Management System: MOODLE, Chameleo.

13. Professional experience in the region :

Country	Date
Burundi	May 2012 to March 2014, January 2015 till now
Democratic Republic of Congo	April to December 2014
Kenya, Burundi, Djibouti, Ethiopia, Eritrea, Rwanda Somalia, Sudan, Uganda	October 2009 to February 2012
Guinea Bissau	December 2011 to April 2012
Burkina Faso	January 2008 à September 2009
Sudan	June 2009
Senegal	November 2008
Rwanda	July 2004 to July 2007
Italy	April 2003 to April 2004
Madagascar	June 2000 to September 2001

14. Professional experience

Date from - Date to	Location	Company	Position	Description
01/2015-present	Bujumbura, Burundi	GIZ – European Union	Team leader	<ul style="list-style-type: none"> ▪ Responsible for the implementation of the project Improvement of the Land Management and Governance in Burundi (PAGGF), co-financed by EU and BMZ, under the Voluntary Guidelines on the Responsible Governance of Tenure of Land and Forests (EU-SDC Land Governance Programme). ▪ Administrative management: human resources, budget, partnerships, contracts. ▪ Technical management: design and development of the National Land Information System for Public Land. Participatory mapping, database and software development for land titling, measurement with GPS-DGPS, and aerial photographs. Conflict management and mediation. ▪ Support to the national land policy for application decrees on public land registering.
<i>Reference: Dr Petra WAGNER (Country director) petra.wagner@giz.de</i>				
04/2014-12/2014	Kinshasa, DRC	Ministry of Transport - European Union – Sofreco	Technical assistant	<ul style="list-style-type: none"> ▪ For the River navigation support project (Congo and Kasai rivers), support to river navigation mapping and hydrological modeling. ▪ Setup of the Navigation Data Processing Centre to the Régie des Voies Fluviales. Architecture of the Real Time Navigation Support System. Acquisition of aerial digital imagery and Lidar surveys. ▪ Supervision of Inland ECDIS S-57 map production on 2500 km of rivers. ▪ Development of the capacity building component for navigation mapping, through the CICOS Centre for Inland Navigation.
<i>Reference: Daniel Legrand Daniel.LEGRAND@sofreco.com</i>				
02/2014-04/2014 (2 months)	Bujumbura, Burundi	Ministry of Agriculture and Livestock – AGRER - European Union	Team leader	<ul style="list-style-type: none"> ▪ Development of the ICT Strategy and Action Plan of the Ministry of Agriculture and Livestock in the framework of the Food Security and Nutrition Program (PROSANUT). ▪ Audit of the current ICT system, assessment needs, scenarii proposition. ▪ Team management for the design and modelling of the database of the Agricultural Information System and the Integrated Agricultural Products Market Prices Monitoring System. ▪ Development of the 3 years ICT capacity development and training plan.
<i>Reference: KAMARIZA Esperance (Director of Statistics and Agricultural Information) - esperiza05@yahoo.fr</i>				
10/2012-12/2013 (14 months)	Bujumbura, Burundi	2nd Vice Presidency – National Bureau of Geomatics – European Union	Technical assistant	<ul style="list-style-type: none"> - Institutional and technical support to the setup of the National Bureau of Geomatics. - Preparation of the action plan, strategic plan, procurement tenders, recruitment, training plan. - Setup of the national GIS platform and implementation of national SDI policy. - Technical support to the national Systematic Land Registration process using GIS and orthophotos. - Support to the mapping of Communal Forestry Plans (10 communes).
<i>Reference : Stephan FOX Stephan.FOX@eeas.europa.eu</i>				
11/2012 (1 month)	Clichy, France	Sofreco	Project formulation expert	<ul style="list-style-type: none"> - Preparation of the technical offer for the Monitoring and evaluation Information System of the COMIFAC (Forest Commission of Central Africa). - Writing of the methodology, logical framework, project planning, resources and budget, etc.
<i>Reference: Guillaume Liauzun - Guillaume.LIAUZUN@sofreco.com</i>				
12/2012 (1 month)	Paris, France	Groupe JEUNE AFRIQUE	Senior consultant	<ul style="list-style-type: none"> - Preparation of the “Atlas of Rwanda” for the Atlas Jaguar edition. - Mapping, text and illustrations of the chapter on Kigali city.
<i>Reference: Nicole Houstin, deputy director n.houstin@jeuneafrique.com</i>				
05/2012 – 09/2012 (4 months)	Bujumbura, Burundi	Post Conflict Programme for Rural Development (PPCDR) – European Union	Senior consultant external quality control	<ul style="list-style-type: none"> - External quality control of the national very high resolution ortho-images coverage of Burundi, coupled with a high resolution Digital Elevation Model. - Technical support to the national steering committee, monitoring of the methodology, and quality control of reports and deliverables.
<i>Reference: Jean-Marie Collet – Coordinator PPCDR jmcollet@ppcdr.bi</i>				

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10/2009 – 03/2012	Nairobi, Kenya	African Union Commission - AMESD (African Monitoring of Environment for Sustainable Development) - Consortium THALES Alenia Space - BRLi	Technical assistant – Thematic expert	<ul style="list-style-type: none"> - Technical and administrative assistance to the thematic action Land Degradation and Natural Habitat Conservation, for the IGAD Climate Prediction and Application Centre (ICPAC), covering 9 East African Countries. - Preparation and implementation of the 9th EDF ICPAC regional grant focusing on (i) the improvement of earth observation data access, (ii) the development of geoinformation services on environment and natural resources monitoring, (iii) regional policy support and (iv) regional capacity building. - Technical GIS and remote sensing support for the development and operationalization of geoservices on regional Protected Areas (vegetation and fire monitoring, erosion mapping, using remote sensing and insitu data. - Capacity building and development of a regional policy development on environment monitoring.
<i>Reference: Danilo Barbero (Team leader) – daniilo.barbero@amesd.org</i>				
12/2011 – 04/2012	Bissau, Guinea Bissau	OVE ARUP international - TTCO	Senior consultant	<ul style="list-style-type: none"> - Development of the National water GIS information system and water point database for the Water Resources of Guinea Bissau project, for the Directorate for Water Resources (EU-EDF funding). - Audit of current system for spatially monitoring ground and surface water. - Improvement of the GIS data collection and dissemination system (on site with data logger and GPS and remotely). Training and transfer of skills to ministerial staff.
<i>Reference: Alain Joseph (Team leader) – alain.joseph@sfr.fr</i>				
01/2008 - 09/2009	Ouagadougou, Burkina Faso	C.A.A.G.I. (Cabinet d'Assistance et d'Audit en Génie Informatique) – DANIDA	Team co-Leader - Senior consultant in GIS and webmapping	<ul style="list-style-type: none"> - Conception and implementation of the National Information System for Water in Burkina Faso For the Ministry of Agriculture and Water, General Direction for Water Resources – DANIDA – ASDI - Database architecture (system requirements, hardware and software), definition and programming of the various database modules and its interface (.Net, Php, PostGresSQL), its spatial component (PostGis, Mapserver, Cartoweb), and its web portal for the central and regional levels. - Production of national thematic maps for the water sector. - Training at central and regional level. Co-ordinator for project management, planning and team management. - Formulation of regional IT support programme for CREPA (regional centre for water access and low cost sanitation), including online monitoring and evaluation system.
<i>Reference: Harouna Traore (Technical Director) – harouna.traore@gmail.com</i>				
06/2009	Juba, Sudan	BMB Mott MacDonald - Basic Services Fund South Sudan – WE-Consult	Mapping and GIS consultant	<ul style="list-style-type: none"> - Audit of the GIS activities of the phase II of the Basic Services Fund program for the Government of South Sudan, funded by DFID, NORAD in the fields of primary education, potable water and health. - Technical and strategic proposals and options for spatial database management. - Cartographic production and semiologic improvement.
<i>Reference: Kate Louwes (Team leader) - klouwes@bsf-secretariat-sd.org</i>				
11/2008 and 03/2010	Dakar, Senegal	Hydratec	Senior consultant	<ul style="list-style-type: none"> - Technical assistance to the National Office for Sanitation (ONAS), EU 9th and 10th EDF funding - Preparation and redaction of the complete EDF Tender Dossier for supplies. - Set up of a fleet management, navigation, and vehicle tracking system using GPS/GPRS and GIS.
<i>Reference: Roberto Demarchi (Team leader) - roberto.dema@yahoo.fr</i>				
08/2007 – 12/2007	Nîmes, France	BRL Ingénierie	GIS and Database Management senior Consultant	<ul style="list-style-type: none"> - Development of the Nile Basin Initiative-NELSAP Kagera regional database, in the framework of the “<i>Kagera river basin monograph and database</i>”: metadata catalogue and query, database development, set up of the GIS section of the database, mapping production. - Preparation of a Kagera basin thematic atlas. - One week training in KIST in Kigali to regional project managers and technicians.
<i>Reference: Jean Michel Citeau (Deputy Director) - Jean-Michel.Citeau@brl.fr</i>				
09/2006 – 07/2007	Butare, Rwanda	National University of Rwanda – GIS and Remote Sensing	GeoIT Unit Head	<ul style="list-style-type: none"> - Responsible for the Geo-IT unit (15 staff, including 5 researchers and 10 technicians).

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		Training and Research Centre (NUR-CGIS-NUR)		<ul style="list-style-type: none"> - Responsible for initiation, planning and supervision of activities and projects dealing with GIS, remote sensing, web mapping and SDI (Spatial Data Infrastructure). - General management: preparation of the annual work plan and budget, management of the team, maintenance and development of partnerships, projects and grant writing and fundraising, financial management.
<i>Reference: Michele A. Schilling (Director) - michele.schilling@cgisnur.org</i>				
08/2004 – 04/2006	Butare, Rwanda	NUR-CGIS / Rwanda Development Gateway Group / World Bank Development Gateway Foundation (DGF)	Remote sensing coordinator	<ul style="list-style-type: none"> - Remote sensing coordinator of the CGIS-NUR-RDGG project. Development of the remote sensing and image processing component of the CGIS: R&D, RS project formulation and monitoring. - Participation in the implementation of the Rwandan Geographical Information Policy: assessment of the NICI plan for its GIS component, proposition writing for the creation of a National GIS Centre, access, sharing and standards of spatial data policy development, reporting and advice to the Government and ministerial commission.
<i>Reference: Solange Mukamurenzi murenzisos@yahoo.com</i>				
12/2004 – 08/2006 (PT)	Kigali, Rwanda	NUR-CGIS / Ministry of Environment, Forest division / ISAR	Project coordinator	<ul style="list-style-type: none"> - Implementation of the national inventory and mapping of Forests in Rwanda using remote sensing, research and capacity building project related to the mapping of forest in Rwanda, in partnership with ISAR, funded by the Netherlands Embassy. - Overall technical project management and monitoring, quality check of images classifications (Aster and Landsat) and mapping, reporting to the National Forest Division, co-supervision of student's internships in forestry and agro-forestry. - Participation in the research and field work, co-trainer for the capacity building component.
<i>Reference: Claudien Habimana habiclaudien@yahoo.fr</i>				
2006 (PT)	Butare, Rwanda	NUR-CGIS / Norwegian Water and Energy Directorate	Project coordinator	<ul style="list-style-type: none"> - Research project title “Baseline Kagera Basin hydrology, land cover/land use and erosion”. Proposal writing and project negotiation. - Responsible for GIS and RS processings for hydrological modelling (3D terrain models, dam modelling etc.) land cover mapping, erosion modelling, and reporting. - Management of a team of 5 researchers and technicians.
<i>Reference: Repp Kjell kre@nve.no</i>				
2006-2007 (PT)	Kigali, Rwanda	NUR-CGIS / Ministry of Commerce and Industry	Project supervisor	<ul style="list-style-type: none"> - Main responsible for proposal writing, project negotiation and kick off for the project intitulated “Design of a Rwanda Trade Map”. - During implementation, responsible for field work supervision, GIS analysis and reporting.
<i>Reference: Dr Alexandre Lyambabaje lyamba2000@yahoo.fr</i>				
2006 (PT)	Kigali, Rwanda	NUR-CGIS / Nile Basin Initiative / NELSAP	Focal point	<ul style="list-style-type: none"> - Focal point for the joint organization of a training intitulated “Hydrological modeling using remote sensing and the HBV model”, in partnership with Norwegian Water Resources Directorate (NVE). - Use of remote sensing technologies for environment and hydrological monitoring focused on Meteosat Second Generation data.
<i>Reference: Dr Gaspard Bikwemu, Project coordinator : gasbikwemu@yahoo.fr</i>				
03/2005 – 02/2006 (PT)	Butare, Rwanda	NUR-CGIS / ITC / UNESCO-IHE	Project supervisor	<ul style="list-style-type: none"> - Installation, calibration and use of a ground station facility for receiving Meteosat Second Generation satellite images at the CGIS-NUR. Setting up of a consortium of partners for project funding and technical implementation (NUR faculties of Science, Applied Sciences, Universities of Lund and Zurich, ITC and UNESCO-IHE). Definition and supervision of research thesis for master and PhD students using MSG data for environmental and hydrological modelling. - Organization of a 2 weeks refresher course on “Geoinformatics for Hydrological modelling”, attended by representants from 10 African countries. Technical and administrative supervision of the course
<i>Reference: Dr Ben Mathuis mathuis@itc.nl</i>				

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2006 (PT)	Butare, Rwanda	NUR-CGIS / HELPAGE Rwanda	Project coordinator	- Land use and forest mapping from high resolution satellite imagery , development of a land cover/land use database, remote sensing processing, DEM hydro-processing for drainage network and catchment extraction. Production of a set of thematic maps.
<i>Reference: Michele A. Schilling (Director) - michele.schilling@cgisnur.org</i>				
2005-2006 (PT)	Rwanda, Burundi, Tanzania, Uganda	NUR-CGIS / Food and Agriculture Organization (UN-FAO)	Project formulation expert	- Support to the formulation of the project “ Transboundary Agro-Ecosystems Management Programme ”, in its PDF-B phase, for FAO/UNEP project. - Realization of a GIS and Remote Sensing database for the Rwandan part of the Kagera basin. Focal point in various stakeholder workshops and in the project formulation for the integration of GIS and Remote Sensing in the logical framework. - Extension of the project to build a regional database for the Kagera basin, and harmonization of the 4 national GIS databases (Burundi, Rwanda, Tanzania, Uganda).
<i>Reference: Sally Bunning sally.bunning@fao.org</i>				
2006 (PT)	Butare, Rwanda	NUR-CGIS / ESRI Germany	Principal scientist	- Participation in the development of a collaboration framework and MoU with ESRI. - Technical assistance to the installation of a Differential GPS (Trimble) station and linkage with the International GNSS Service (IGS) for its attachment.
<i>Reference: Michael Sittard m.sittard@esri.de</i>				
2005 (PT)	Kigali, Rwanda	NUR-CGIS / Ministry of Health / PNILP	Monitoring and evaluation expert	- For the National Programme for Malaria, assessment of the consultant candidates for the realization of a study on spatial analysis for the spread of Malaria. - Supervision of the work and validation of the modelling results and final reports.
<i>Reference: Michele A. Schilling (Director) - michele.schilling@cgisnur.org</i>				
09/2003 – 04/2004	Ispra, Italy	European Commission – Joint Research Centre (EC-JRC), MARS unit	Workpackage leader a.i.	- Technical support to audit missions of rural development expenditures for area-based measures of the Common Agricultural Policy. Development of control methods using geographic information (GIS-Remote Sensing-GPS): recommendations and guidelines, technical specifications and project support (Use of geomatics to control agri-environmental measures (FR, DE, ES)). - Technical assistance and training courses for the Directorate General Agriculture units (J4 and J5 units). Participation in the definition of agri-environmental indicators. Organization of a workshop, edition of the proceedings.
<i>Reference: Jacques Delincé (Unit head) - jacques.delince@jrc.it</i>				
04/2003 - 09/2003	Ispra, Italy	European Commission – Joint Research Centre (EC-JRC), MARS unit (Monitoring Agriculture with Remote Sensing) – AgriCAP group	Remote Sensing and GIS specialist	- Technical assistance to the development of OLIGIS, the European olive GIS . - Implementation of OLICOUNT 2000 , software application for computer-assisted recognition and counting of trees : modification of the existent C++ codes, optimization of the counting algorithm, and adaptation for VHR images QUICKBIRD, IKONOS, and SPOT 5. - Development of the user interface for remote sensing software (from ArcView 3.x to ArcGIS 8.x with VBA). Field surveys for ground truth data collection and tests.
<i>Reference: Oliver Leo (workpackage leader) - olivier.leo@jrc.ec.europa.eu</i>				
01/2003 – 03/2003	Bondy, France	Laboratory of Applied Cartography (LCA) , Institute of Research for Development (IRD)	Cartographe r, computer scientist	- Development of a CD-Rom (autorun, JavaScript, CSS, PHP...), and integration of research program GEREM (IRD) database. - Production of interactive cartography (Flash technology): “ Regional Atlas of Analamisampy ”.
<i>Contact : Dr Pierre Peltre (Director) peltre@bondy.ird.fr</i>				
11/2002 – 12/2002	Châlons-en-C., France	Regional Direction for the Environment (DIREN) , Information System Department	Remote Sensing and	- Development of automation proceedings for natural area cartography under MapInfo : Map Basic, macros VBA, scripts SHELL. PDF's automatic production and integration on line by PHP and MySQL. - Administration of GeoDBases.

Date from - Date to	Location	Company	Position	Description
			GIS specialist	
Contact : François Mathonnet Francois.MATHONNET@champagne-ardenne.environnement.gouv.fr				
03/2002 – 09/2002	Toulouse, France	French Agency for Spatial Studies (CNES) , Centre of Spatial Studies for the Biosphere (CESBIO)	Computer scientist for Remote Sensing	<ul style="list-style-type: none"> - Development of algorithms of geometric and radiometric corrections on IDL and C/C++. Implementation of a complete processing chain for high and low resolution optical satellite data (SPOT4 VHR and VGT). - Development of user interface and integration on interactive mode under remote sensing software (ENVI). Spatial modelling: assimilation in « hydrology-vegetation » linked models from FAO (evapotranspiration, yield).
Contact : Dr Richard Escadafal - richard.escadafal@cesbio.cnes.fr				
06/2000 - 09/2001	Antananarivo, Madagascar	IRD (Institute of Research for Development, ex-ORSTOM) , CNRE (National Centre for Research on Environment)	Geomatic project manager	<ul style="list-style-type: none"> - Monitoring of deforestation dynamics, diachronic evaluation by remote sensing (Landsat, SPOT) (publication in "Photo interpretation"). - Identification of land use/land cover classes and evaluation of yield statistics (in collaboration with FTM and CFSIGE). - Valorization: publication in Acts of the International Symposium "Arid Regions Monitored by Satellites" (Marrakech, Nov. 2001). Supervision of trainees (GIS and geography). GIS/remote sensing training courses for the CFSIGE (training center for GIS).
Contact : Dr Michel Grouzis - grouzis@ird.mg - Dr Pierre Milleville - milleville@ird.fr				
06/1999 – 09/2000	Antsirabe, Madagascar	IREDEC (Institute for Research and Community Development) , CCFD (Comity against Hunger and for Development)	GIS technician	<ul style="list-style-type: none"> - Implementation of a Council GIS for crop and land property management (cadastral scale) under Geoconcept. Setting up of farming questionnaire, surveys, database structuring. - Cadastral and networks digitization. - Publication about contribution of GIS local development in "Formagri" paper. Animation of public exhibition about GIS. Internal and external supervising (elected and local representatives).
Contact : Ralison Andriamandranto ralison.andria@gmail.com				

References

- **Professor Laban Ogallo**, Director, IGAD Climate Prediction and Application Center, Kenya. Tel: +254 20 351 44 26, Email : director@icpac.net
- **Hon. Jean Philbert Nsengimana**, Minister in Charge of ICT, Rwanda, Tel: +250)788308998 minister@myict.gov.rw
- **Mr Michael Sittard**, CEO ESRI Geoinformatik GmbH, Germany. Tel: +49 (8166)6770, m.Sittard@ESRI-Germany.de
- **Mr Jean-Michel Citeau**, Director of Development and Strategic Foresight, BRLingénierie, France. Tél: +(33) 466 87 50 18 Jean-Michel.Citeau@bri.fr
- **Mr Olivier Leo**, Head of unit, JRC-IPSC-MARS Unit, Italy. Tel: +39 0332 78 5579, olivier.leo@jrc.ec.europa.eu

Publications

1. Les Editions du Jaguar, Collection Atlas et Cartographie, 2013. *L'Atlas du Rwanda. Chapter on Kigali city*. **Lasry F.** Paris, France.
2. Thales Alenia Space, 2012. *Sustainable development in Africa and Satellites (reviewer and technical adviser)*, France. <http://www.satellites-and-africa.com>
3. Munyaneza O., Wali U.G., Mlotha J.M., **Lasry F.**, 2008. *Water Level Monitoring using Radar Remote Sensing Data Application on Lake Kivu*. WaterNet/Warfsa symposium, 2008, Johannesburg, South Africa
4. Nzyimana I., Mukashema A., **Lasry F.**, Iraguha G., 2007. *Mapping Soil Degradation of the Rusumo Watershed Basin using a Digital Elevation Model*. 3rd research conference, National University of Rwanda, 2007.
5. Westinga E., **Lasry F.**, Habimana C., Schilling M., 2006. Forest Mapping of Rwanda using Remote Sensing - Toward an integrated Forest Information System, in Earth Observation and Geoinformation Sciences in support of Africa development, 6th African Association for Remote Sensing of the Environment Conference, Cairo, 2006.
6. Maathuis BHP, Retsios B., **Lasry F.**, Schilling M., 2006. Installation, Setup and Use of of a Low Cost C-Band Meteosat-8 Ground Receiving Station in Rwanda. 6th African Association for Remote Sensing of the Environment Conference, Cairo, 2006.

7. Schilling M., **Lasry F.**, Rulinda C., Kayijamahe E., 2005. Connecting Rwanda through space - Geoinformation and web based decision support systems for poverty reduction and sustainable development, in Africa GIS 2005 conference.
8. **Lasry F.**, Blanc-Pamard C., Milleville P., Razanaka S., Grouzis M., 2005, Environnement et pratiques paysannes à Madagascar, CD-ROM, Editions IRD, CNRE, Coll. : Atlas Cédérom. Format 15 x 21 cm. ISBN : 2-7099-1571-5. Langue(s) : français, Prix : 35,00 €.
9. Blanc-Pamard C., Milleville P., Grouzis M., **Lasry F.**, Razanaka S., 2005 : Une alliance de disciplines sur une question environnementale : la déforestation en forêt des Mikea (Sud-Ouest de Madagascar), Natures Sciences Sociétés 13, 7-20 (2005) NSS-Dialogues, EDP Sciences 2005 DOI: 10.1051/nss:2005002
10. **Lasry F.**, Grouzis M., Milleville P., Razanaka S., 2004. . Dynamique de la déforestation et agriculture pionnière dans le sud-ouest de Madagascar : exploitation diachronique de l'imagerie satellitale haute résolution. *In Photo-Interpretation, n° 1/2004.*
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12. Duchemin B., Chehbouni G., Dedieu G., Frappart F., **Lasry F.**, Magnac M., Maisongrande P., Mougnot B., 2002. Water Budget with Phenology derived from Optical Satellite Data, ISPRS symposium, 2002, Valence, Spain.

Professional trainings and university teaching experience

- **Training courses to professionals:**

- 09/2013: GIS for land administration: cadastral surveys, land tenure mapping using aerial photography and GPS (1 week), Bujumbura, Burundi.
- 06/2013: aerial orthophotography: processing and thematic use (4 days), Bujumbura, Burundi.
- 06/2013: national orthophotography coverage: image database management and administration (3 days), Bujumbura, Burundi.
- 06/2013: GIS for environment applications: vegetation monitoring, erosion mapping (1 week), Bujumbura, Burundi.
- 04/2013: Advanced spatial analysis and image processing (2 weeks), Bujumbura, Burundi.
- 02/2013: Geographic Information Systems and mapping: basics (2 weeks), Bujumbura, Burundi.
- 05/2012: Management of the national water information system database (2 weeks), Bissau, Guinea Bissau.
- 04/2012: GIS for water management and hydrological modelling (1 week), Bissau, Guinea Bissau.
- 03/2011: Use of AMESD E-station (co-teaching), KMD-IMTR, Nairobi, Kenya.
- 02/2011: Advanced Geonetcast training (admin. support), ITC, The Netherlands.
- 11/2010: E-station on the job training (co-teaching), KMD-IMTR, Nairobi, Kenya.
- 08/2010: PUMA and AMESD System Administration (admin. support), KMD-IMTR, Nairobi, Kenya.
- 08/2010: PUMA application software (admin. support), KMD-IMTR, Nairobi, Kenya.
- 02/2010: AMESD products and services, DevCoCast (1 week), RCMRD, Nairobi, Kenya.
- 10/2009: Setting up of the overall training plan for AMESD in the IGAD region.
- 06/2009: Water information system (1 week), SNIEau, Direction Générale des Ressources en Eau, Ouagadougou, Burkina Faso.
- 2008: Database management and webmapping (2 weeks), Ouagadougou, Burkina Faso.
- 2007: GIS and remote sensing for hydrological modelling and basin level management (1 week), Nile Basin Initiative, NELSAP, BRLi, Kigali, Rwanda.
- 2006: Remote Sensing for forestry (1 week), MINITERE, CGIS-NUR, Butare, Rwanda.
- 2006: Field data collection techniques (1 week), CGIS-NUR, Rwanda.
- 2006: Principles of Remote Sensing and Image Processing (2 weeks), CGIS-NUR, Rwanda.
- 2005: An overview of Information Technologies (co-teaching, 1 week), Development Gateway Foundation, CGIS-NUR, Rwanda.
- 2005: Hydrological modelling (co-teaching, 2 weeks), ITC, CGIS-NUR, Rwanda.
- 2005 to 2007: Mobile GIS, GPS, DGPS (several sessions), CGIS-NUR, Rwanda.
- 2004: Agro-Environmental Measures assessment with GeoInformation (1 week), EC-JRC, Italy.
- 2002: Introduction to GIS for local planners (1 week), IRD, Madagascar.

- **MSc level teaching:**

- “Water Resources and Environmental Management”, Faculty of Applied Sciences, NUR: Remote Sensing and GIS for hydrological modelling (60 hours, 2006).
- “Agroforestry and Soil Management”, Faculty of Agriculture, NUR: Multipurpose Tree Management, GIS techniques in tree and forest resource management (2006).
- “Agroforestry and Soil Management”, Faculty of Agriculture, NUR: Site and System Characterization, land cover and land use change detection (2006).
- **BSc level teaching:**
 - Post Graduate Diploma in Irrigation and Drainage, Nile Basin Initiative (NBI)-Applied Training Project (ATP): GIS and Remote Sensing for Land and Water Mgt (60 hours, 2007).
 - Principles of GIS and Remote Sensing, Faculty of Agronomy, NUR (60 hours, 2005 and 2006).