

CURRICULUM VITAE

1. **Name:** Jose Miguel
 2. **Nationality:** Spanish
 3. **Place of Residence:** Spain & Indonesia
 4. **Education:**

Date (from – to)	Institution	Degree(s) or Diploma(s) obtained:
July 01, 2011 to Nov. 30, 2012	European School for Environmental Studies & The Official Spanish Association of Forestry Engineers. Spain -	Master's Degree – Major subject: Water Management, Treatment and Reclamation.
August. 01, 2001 to Sept.30, 2005	VanHall - Larenstein, University of Applied Sciences (this University is part of Wageningen University and Research Centre WUR), The Netherlands -	B.Sc. Degree – Major subject: Major subject: Land and Water Management Engineering
2000 to Nov.25, 2000	National Program of Irrigation, German GIZ and the Interamerican Development Bank IDB), Bolivia -	Planning and Design of Hydraulic Infrastructure (Specialization course 240 hours)
Aug.18, 1987 to March 20, 1990	Agricultural College (Vinterlandbruksskolen) Oslo; and The Sogn College of Agriculture and Horticulture (“Sogn jorg og Hagebruksskolen”) – Aurland – Norway	Agriculturalist (Agriculture college graduate – “Agronom kurset”) – Major: Farming business

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

Language
Spanish
English
Portuguese

8. **Membership of professional bodies:**

International Water Association (IWA - www.iwahq.org).

9. **Other skills:**

1. User of the following programs: Microsoft Office programs; Geographical Information System “**ArcGIS** *included Arc Hydro for* hydrological and hydrodynamic modeling and sediments transportation computation; AQUATOOL for water resources management modeling; and EPANET for piped water supply system design and modelling.

10. **Present position:**

Consultant for Watershed Management

11. Key qualifications:

- **Management skills:** Team leader, team player, strong **Latin America and Asia Inter-cultural competence**, project management cycle, partnership development, strategic planning and report writing.
- **Practical and conceptual experience in water management and WASH:** IWRM, IWRC, catchment hydrology and eco-hydrology; eco/soft technologies for wastewater treatment; planning, designing and implementation of hydraulic infrastructure: piped safe drinking water supply systems, urban drainage/stormwater management, effluents collection and transportation, river/stream regulation and stabilization measures; canals, art works and small dams; and irrigation.
- **Practical and conceptual experience in Disaster Risk Reduction (structural and non-structural measures) & Climate Change Adaptation and Mitigation:** preparedness (disaster risk and vulnerability assessment, early warning systems and risk/hazard map development); prevention and mitigation (grey and green infrastructure development- hybrid solution or ecological solutions); emergency response, early recovering and reconstruction phases – Please refer to the underneath website for my previous experience in Eco-DRR and EbA 1

12. Specific experience in the region:

Country	Date (from – to)
Netherlands	10/ 2005 – 02/ 2006
El Salvador	01/2000 – 01/2002
Bolivia	Part 1 : 10/1996 – 01/2000 - Part 2: 12/2004 – 06/2005 - Part 3 : 03/2006 – 05/2006 - Part 4: 10/2006 – 12/2006
Nicaragua	Part 1: 11/1990 – 04/1991 Part 2: 01/1993 –12/1995
Malawi	09/2016 - onward
Colombia	Pat 1: 03 - 09.02 2006/Part 2:17 - 26.07.2006
North Korea	03/2013 – 01/2016
Brazil	07/ 2011 – 02/2013
Indonesia	03/2007 – 06/2011
Myanmar	02/2016 – 08/2016

13. Professional experience

Date (from – to)	Location	Organization	Position	Task, Assignments, Achievements
09/2016 - onward	Malawi	Welthungerhilfe/European Union Support Programme UNIT 4 http://www.welthungerhilfe.de Supervisor: Renata Becker – Regional Director Renata.Becker@Welthungerhilfe.de	Head of Project/Team Leader Irrigation Development and WASH technical adviser	Projects: Sustainable Intensification of Market Oriented Production in Mwalija Smallholder Irrigation Scheme in Chikwawa, Malawi (FED/2016/376-225) and Poverty Reduction and Improved Health In Peri Urban Malawi (FED/ 2012/ 023-895) Performed activities: (1) set up organization southern region office; (2) recruit and guide project's teams (23 persons); (4) reporting, planning and coordination of the overall projects activities; (5) provide technical backstopping to the technical teams on the different project components, among of them, Climate Change Adaptation through ecosystem based approaches; (7) develop ToRs, prepare and evaluate tenders to develop different types of infrastructures and surveys; (8) review technical designs for the development of irrigation an scheme 95 ha (including two dams, water reservoir and canal network) and WASH facilities; (9) conduct oversight quality control of all the projects interventions (infrastructure, land development, agriculture production, etc) ; and 9. budget control
02,2016 – 08/2016	Myanmar	United Nation Development Program (UNDP)/Adaptation Fund – Myanmar http://www.mm.undp.org/	Consultant for Watershed Management	Project: Addressing Climate Change Risk on Water Resources.

		Supervisor: Karma RAPTEN (Mr.) karma.rapten@undp.org		Perform activities: (1) identify Capacity Building needs and set up a capacity building strategy and a plan to be executed throughout the course of the project; (2) design of a user-friendly template for community-led inventory of watershed management practices; (3) develop Terms of Reference (ToR) for an institution executing watershed management activities; (4) review application documents in the international tender and make recommendations on the selection of an institution; (5) assist the project team complete an evaluation report for the tender proces; and (6) facilitate discussions and join the initial field missions with the selected firm to guide the initial implementation of the project activities.
03 - 2013 – 01-2016	South Korea	Welthungerhilfe/European Union Support Programme UNIT 4 http://www.welthungerhilfe.de Supervisor: Elke Gottschalk – Regional Director Elke.Gottschalk@welthungerhilfe.de	Head of Project/Team Leader, WASH technical adviser and acting country director	<u>Name of project:</u> <i>Consolidation of Sewage Disposal Activities in Anbyon and Kujang City, North Korea/ EU funded project: EuroAid DCI-FOOD/2012/308-855</i> <u>Performed activities:</u> (1) lead, advice and coordinate the project team; (2) cost control and budget management; (3) reporting, planning, coordination and monitoring the overall project activities; (4) conduct a revision, adjustment and long-term planning of the

			<p>overall project interventions/inception phase included feasibility study; (5) oversight quality control of the all construction works related to the different component of the project; (6) together with the Technical Team, plan, design and implement: sanitation facilities (latrines, Community Sanitation Centers and indoor/outdoor toilets), Decentralized Wastewater Treatment Systems (DEWATS), urban stormwater management structures and ditches (drainage); Water Supply Systems (GFS and PS); and river channel stabilization and flood prevention measures (green and grey measures); (7) plan, design and implement composting yard for sludge neutralization and composting for subsequent utilization as fertilizers; (8) carry out hydraulic modeling of mighty river channels and flood hazard maps development (40 years return period); (9) carry out sediment balance assessment considering erosion and deposition processes in order to control river channel siltation problems; (10) together with project team and respective authorities conduct a hygiene baseline survey and hygienic promotion campaign; (11) conduct trainings in</p>
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				different project related topics; and (12) act as Country Director in absence of the County Director. Project fund allocation: 1.5 million of Euros
07.2011 – 02.2013	Brazil	Spanish Public Company/Spanish Business Overseas (www.expansionexterior.es), attached to the Ministry for Economics and Competitiveness. Supervisors: Eduardo Vivo-Vice-director of the Water and Sanitation Department & Jesus Molina Vazquez, AECID Coordinator General. e-mail address: jesus.molina@aeci.cr e.vivo@p4r.es	Senior Water and Sanitation Expert	<p><u>Programme:</u> Spanish Water and Sanitation Cooperation Fund (One billion fund) Performed activities: (1) monitor and follow – up with the status of progress of the different programs funded by AECID; (2) provide technical assistance to funded partners institutions in the fields of: water policy and safe drinking water supply (water treatment plants and procedures), urban integrated water resources management (UIWRM), institutional strengthening, development of sanitation facilities, urban stormwater management, hygiene promotion and rainwater harvesting; (3) inter-institutional relationship with partner's institutions at different levels; (4) assessing and develop technical designs of different WASH components, including WSS, Sewage Conveyance Systems and Wastewater Treatment Plants, etc; (5) procurement (ToR development, tenders preparations and evaluations). One of the project under my responsibility "Access to water in Rural Communities</p>

				for the territories states citizens of Alagoas and Pernambuco, Northeast of Brazil” was awarded in the international water forum held in Marcella on March 2012, by the Inter-American Development Bank and the Government of Mexico . The overall portfolio under my responsibility worth 50 Million of Euros.
04.2010 - 06.2011	Indonesia	<p>United Nations Educational Scientific and Cultural Organization (UNESCO) Address: Jl. Galuh (II) No.5nKebayoran Baru Jakarta 12110 Regional Science Bureau for Asia and Pacific TI : + 62 21 7399818 Supervisor: Dr. Hubert Gijzen, Director UNESCO for the Regional Science Bureau for Asia and Pacific- UNESCO e-mail address: h.gijzen@unesco.org</p>	Consultant for water management and environmental Sciences	<p>Programme: <i>Sustainable Water Management Improve Tomorrow’s Cities Health in Asia (SWITCH-in-Asia)</i> Performed activities: (1) conduct in-depth analysis of the environmental situation of the water resources in the different locations of the target areas, identifying key issues in the field of Water management in urban setting toward climate change adaptation; (2) develop 4 project proposals on urban water management, among of them: Improving Naga City Environment for a better life quality through the implementation of Eco- solutions towards an integrated and innovative sustainable water management, Bicol Region ; (3) promoting Learning Alliances as platforms for</p>

				<p>innovation and knowledge sharing and dissemination in the field of Urban Water Management, Southeast of Asia; and (4) conduct technical and institutional consultation meetings as well as coordinating meetings with key-stakeholders, including NGOs and local communities.</p>
04. 2009 - 09. 2010	Philippines	<i>Biosphere Reserves for Economic and Environment Security (BREES)</i>	Consultant for water and land management – Team Leader	<p><u>Programme:</u> <i>Biosphere Reserves for Economic and Environment Security (BREES)</i> <u>Performed activities:</u> (1) search for a potential area for a Biosphere Reserve establishment; (2) conduct in-depth analysis of the environmental, economic, political, legal, policy and socio-cultural context; (3) conduct technical and institutional consultation meetings; and (4) Set up project proposals in the context of the BREES on Promoting Sustainable Development and Climate Change Adaptation and Mitigation, considering measures for ecosystem restoration, river basin management, law enforcement, small scheme water supply systems, coastal zone management and livelihood activities to avoid enchantment in the park, for the coastal population. Project budget allocation 4,369,762 Euros</p>

09.2009 - 03.2010	Philippines	University of Seville Dpt. ff Physic and Geography – Faculty of Geography and History & Bureau of Fisheries and Aquatic Resources Supervisors: Fernando Días del Olmo- Lecture in Physic Geography & Jessica Munoz e-mail address: delolmo@us.es/ trisha975@yahoo.com	Consultant for Coastal Zones and Water Management - Team Leader	<p>Programme: <i>Sustainable Management of Coastal Resources in Bicol and Caraga Regions</i> <i>“SUMARCORE” – Integrated Coastal Zone Management “ICZM” and Climate Change AM.</i></p> <p>Performed activities: (1) assess coastal dynamic, considering; coastal, fluvial and terrestrial ongoing erosion processes, existing climate conditions, tidal and inter-tidal process; level of anthropogenization on coastal ecosystems; (2) carry out a water balance and identifying the major life zones and their main ecological features considering climate factors, prevalence vegetation, currently land use systems and soil types; Identify the existing pollution sources (point point sources) and its influence on natural environment (solid and liquid waste disposal, mining activities, prevalence diseases, etc); and (3) set up a comprehensive Coastal Zone Management Plan and prescribed the restoration and management guidelines for each one of the identified category including among other thigns, drainage, environmental health, water and sanitation interventions. The</p>
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				project team was composed by 5 person and 250.000 € budget.
04. 2008 – 06. 2009	Indonesia	Spanish Agency for International Development Cooperation (AECID) Supervisor: Cristobal Valdez Email address: cristobal.valdez@aecid.es	Country Coordinator/ and technical adviser for Water management – Team Leader	<p><u>Programme:</u> Spanish cooperation program for Indonesia (DRR, WASH, R&R, Climate Change) <u>Performed activities:</u> (1) represent the Spanish Government in all related development cooperation issues before Indonesian's Ministries; (2) follow-up the process of R&R of Banda Aceh (after Tsunami) and Nias (after Earthquake); (3) direct coordination with BRR to define priorities and guidelines to fund R&R projects in Banda Aceh and Nias; (4) Develop partnership with other important funding agencies; (5) represent the Spanish Embassy in the regular meetings held by the EU Development Counsellors; (6) Assess project proposals for approval; and (7) conduct field visits to provide technical assistant, follow-up and monitor the implementation of funded projects (WASH, DRR and Hosuing reconstruction); Pogramme portfolio budget allocation 8 Million of Euros. Number of people under my</p>

				supervision people. 5
04. 2007 – 04. 2008	Philippines	Spanish Agency for International Development Cooperation/ Spanish Embassy/Spanish Ministry for Foreign Affairs and Cooperation Supervisor: Jesús Molina, Coordinator General (M.Sc), Coordinator General Email address: jesus.molina@aeci.cr	Sector expert for Rural Development, Water Management and Environment	<p>Programme: Spanish Cooperation programme for the Philippines.</p> <p>Performed activities: (1) responsible to supervise the technical team assigned to each programmes (overall 20 persons); (2) strategic planning and programme portfolio development (Climate Change, Watershed Management, Water basin Management, Water Supply and Sanitation and Coastal Zones Management²; (3) quality oversight of the different projects; (4) assist and support technically the government of Albay province (Provincial Disaster Coordinating Council – PDCC) in preparing a contingency plan for rapidly response in the event of disasters; prepare a rehabilitation and reconstruction plan for recovering after the typhoons occurred in 2006, where successive typhoons triggered mudflows along the slopes of Mayon Volcano burring several villages; (5) Development of concept note “Strengthening the Philippines’</p>

² Under my responsibility fell the project “Sustainable Management of Coastal Resources in Caraga and Bicol Regions (SUMACORE)”, implemented by the Philippines’ Bureau of Fisheries and Aquatic Resources (BFAR)

				<p><i>institutional capacity to adapt to climate change”, which undertakes a comprehensive approach to climate change adaptation at the national and local level; and (6) provide Technical Assistance to the Department of Social Welfare and Development (DSWD) in implementing water supply systems Level I and II, in the rural area of Albay province. Overall programme budget allocation 15 Million of Euros.</i></p>
04 – 05.2006/10-12.2006	Bolivia	<p>Technical Cooperation Office/ Spanish Agency for International Development Cooperation Supervisor: Juan Diego Ruiz- Deputy Coordinator Email address: jdiego.ruiz@aeci.int.bo</p>	<p>Consultant for Hydrology and Irrigation – Team Leader</p>	<p><u>Programme:</u> Spanish Cooperation Programme for Bolivia – Irrigation and Water basin management. <u>Performed activities:</u> (1) technical assessment of hydraulic infrastructure used for irrigation in 5 municipalities of the Caine communities association; (2) hydrological assessment of El Caine watershed, comprising climate factors assessment, natural areas protection, water basin morphometric assessment, available flow for irrigation and existing pollution sources (point sources) and its influence on natural environment (solid and liquid waste disposal, mining activities,</p>

				prevalence diseases, etc); and (3) Set up an Irrigation Master Plan. Project budget allocation worth 6 Million of Euros and technical team composed by 5 pers.
Pat 1: 03-09.02/Part 2:17-26.07.2006	Colombia	Wageningen University. Supervisor: Ir. Gerben Gerbrandy (M.Sc), project director Email address: Gerben.Gerbrandy@wur.nl	Consultant for Integrated Water Resources Management	Project: Post Degree in Integrated Water Resources Management. Performed activities: (1) set up a curriculum and introduce it to the University Regulatory and Superior Councils; (2) Developed in full the minimum contents for each study subject (WASH , hydraulics, hydrology, water policy, etc); (3) search reference literature;(4) prepare the study modules for its implementation; and (5) define mechanisms to measure the achievements leaning; and (6) deliver trainings to the lectures of the University. Project budget allocation 4 Million of euros.
10. 2005 - 02 2006	Netherlands	VanHall-Larenstein University Ir. Hans van Den Doo -Email address: J.T.vandenDool@larenstein.nl	Lecture Assistant	Project: Major River Delta Management. Performed activities: Preparing and deliver lectures in visual problems appraisal, DRR, climate change and flood control and prevention.
12. 2004 - 06 2005	Bolivia	NGO Kürmi Cochabamba Supervisor: José Cerruto, organization's director. Tel: 00 591 44539635	Consultant for Natural Resource Management (NRM) – Team Leader	Project: Q'uorimayo Sub-river basin restoration and management programme. Performed activities: (1) Set up a Baseline for the Q'uorimayo sub-river basin; (2)

				<p>Conduct hydrologic assessment of the sub-river basin catchment area; (3) Identify the existing pollution sources (point sources) and its influence on natural environment (solid and liquid waste disposal, mining activities, prevalence diseases, etc); (4) Sediment balance assessment; (5) Develop a Restoration and Management Plan for the aforementioned Sub - river basin based on sustainable use of its natural resources, including a zoning plan and the management guidelines for each one of the designed zone; and (6) Coordinate and supervise the technical team 6 persons. 60.000 Euros budget</p>
02.2000-02.2002	El Salvador	<p>NGO International Solidarity – EU funded project Supervisor: Inmaculada Gomez, organization's coordinator. Email address: igomez@solidaridad.org</p>	<p>Programme coordinator and technical adviser for Water and Sustainable.</p>	<p>Programme: Rehabilitation and Reconstruction Programme for Central America (PRACC) after the Mitch Hurricane (EU funded programme) and Small Scale Irrigation Systems for Ayopaya Indigenous communities, Bolivia Performed <u>activities:</u> (1) designing and implementation of safe drinking water supply and irrigation systems; (2) installation of sanitation facilities: (3) conduct hygiene promotion campaign; (4) stormwater management</p>

				infrastructures for climate resilience (flood), and (5) disaster preparedness and emergency response. Budget allocation 3.5 million of Euros, 25 people under my direct supervision.
10.1996 - 01.2000	Bolivia	Centre for Culture Defence (CEDEC), Canarian Cooperation and Medicusmundi Supervisor : Adiva Izaguirre, Director Email address : Cedeci1@ceibo.entelnet.bo	Head of the Projects Department, and Technical Adviser for sustainable agriculture	Various projects: (i) Center for Agro-ecological Research at the Bolivian's Hyper Humid Amazonia; (ii) Enhancing the Agricultural Production to support the immigrant farmers coming from the Highland and (iii) Assisting the victims of the floods in El Beni and North of La Paz (ECHO funded project) Performed activities: (1) conservation agriculture, flood emergency response, and natural resources management; (2) strategic planning, coordination and implementation of the overall projects activities; (3) participatory landuse planning with the local farmers. Budget allocation 150 Millions of pesetas, people under my responsibility 5
Part 1: 11. 1990 – 04. 1991/ Part 2: 01.1993 – 12.1995	Nicaragua	The Norwegian International Development Agency "NORAD"/Farms Union "UNAG" (Nicaragua) Supervisor: Raúl Lennin, adviser of The Norwegian International Development Agency (NORAD) and Juan Francisco Prendiz, President of the Steering Committee – UNAG, RIVAS.	Project Manager and Technical adviser for Integrated Agriculture and Irrigation.	Project: Forestry and sustainable agriculture in the Department of Rivas – resilience agriculture toward Climate Change adaptation (soil and water conservation, integrated pest and diseases management, agroforestry, etc) Performed activities: (1)

				coordinating and supervising the local team (3 persons) ; (2) planning and follow – up the implementation of the different activities comprised in the projects; (3) generating training materials and delivering workshops; (4) providing technical support to the technical team; (5) budget control and reporting and (6) newsletter development. Budget allocation 2.1 Millions of Nkr.
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14. Other relevant information (eg. Publications):

Seminars and Conferences participant:

- Participated in the Consultative Workshop Regional Experience and Experts to assess the Global Handbook for Urban Flood Risk Management. The Global Facility for Disaster Reduction and Recovery (GFDRR) and World Bank. Indonesia (2011).
- Participated in the UNESCO’s Second International Symposium on Building Knowledge Bridges for Sustainable Water Future (UNESCO International Hydrological Programme Hydrology for the Environment life and Policy –HELP (2011).
- Participated in the 37th WEDC International Conference “SUSTAINABLE WATER AND SANITATION SERVICES FOR ALL IN A FAST CHANGING WORL” Sept. 2014– Loughborough University & Vietnam’s University of Civil Engineering (NUCE).

Other courses

- Disasters and Ecosystems: Resilience in a Changing Climate (10 weeks advanced course on innovation in disaster risk reduction and Climate Change Adaptation through ecosystem based approaches – not regret strategies – Cologne University CUAS, UNEP and GUPES - 2015
- Geographical Information System Tools for water basin planning, rehabilitation and management – Universidad Simeon Canas 2001
- Diploma in Organic Farming – Breve Skolen – Norway 1988
- Forest planning and sustainable management – Vinterlandbruksskolen – Norway 1998

Seminar and Conference organizer or speaker:

- Key resource person and facilitator in the Gender and Development workshop for Asia and Pacific: Proposal for Regional Strategy held from November 12th – 17th, 2007 in Manila, The Philippines.
- Organize and promoted the Citarum Learning Alliance in the framework of the UNESCO’s flagship programme SWITCH-in-Asia and the Indonesian’s Public Work Ministry major project Citarum River Basin normalization, Indonesia (2011).
- Introduced Soft - technologies for wastewater treatment and reclamtion, in the framework of the first Latin-American’s seminar on water access, use and purification for family - farming, Water with Quality and Equity , held on the 22nd and 23rd of May, 2012

Publications:

- Study of Vulnerability, Environmental Risk and Mitigation Works at the sub-river basin of El Tránsito, El Salvador, (2001)
Article for the Citarum River Basin Road Map leded by the Asian Development Bank (“ADB”), in partnership with the National Planning and Development Agency (BAPPENAS) and the Ministry of Public Work (PU) about the UNESCO’s project Ecological and Eco-hydrological solutions for Sustainable Management of Citarum RiverBasin Oxbows, Indonesia (2011)