





PERSONAL INFORMATION

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Sex Male | Date of birth 07/02/1962 | Nationality Spain

CURRENT JOB

Institute of Environmental Assessment and Water Research (IDAEA)  
EU Programmes Coordinator

WORK EXPERIENCE

January 2018 – Up to now

Independent innovation consultant and water & meteorology expert

Freelance, Barcelona.

- Independent consultant on EU Innovation programmes (H2020 SC5, EIC Fast Track to Innovation, SME Instrument and LIFE), providing assistance for programme selection, consortium building, proposal preparation, concept revision and proposal evaluation.
- Assistance to companies in the design and deployment of the innovation management processes, collaborative tools for supporting the innovation management, and eventually, accreditation under UNE 166002 or equivalent.
- Key Expert for International Projects: Design, development and commissioning of Environmental Monitoring Networks, Water Information Systems and multi-hazard Early Warning Systems for meteorology, hydrology, water supply and sanitation.

[Innovation consultancy services / Water & Environment](#)

January 2018 – Up to now

Independent European Expert Evaluator for Horizon 2020

European Commission, Executive Agency for Small and Medium-sized Enterprises (EASME)

- H2020-EIC-FTI-2018-2020: **Fast Track to Innovation.**
- H2020-SMEInst-2018-2020-1, H2020-SMEInst-2018-2020-2: **SME Instrument**

[Innovation consultancy services / Water & Environment](#)

2014 - 2017

Product&Solutions Area: EU Innovation Programmes Manager

ADASA Sistemas, Barcelona

<http://www.adasasistemas.com/> - <http://adasaproducts.com/>

- Definition and management of the portfolio of Product&Solutions on online water quality monitoring solutions: Product summary, benefits, target market, product description and operation, market barriers and competence, SWOT analysis, Marketing Plan and Business Plan.
- Collaboration with marketing department: elaboration of success cases and brochures, consultative selling, commercial training to dealers, etc.
- EU programs surveillance (H2020, Fast Track to Innovation, LIFE, etc.) and grants/funding management for R&D initiatives.
- Leading the networking activities of the company at EU level: WssTP and EIPwater.
- EU Research & Innovation projects: R3water (619093), WEAM4i (619061)

[Water & Environment](#)

2014 - 2017

EIPWater Action Group Leader

European Innovation Partnership on Water ( <https://www.eip-water.eu/> ), Brussels.

- **Leader** of the Real Time Water Quality Monitoring (RTWQM) Action Group (AG100)
- Coordination of the partners activities and relationship with EIPWater Secretariat
- Participation in EU directives revision, regulatory issues and identification of innovation barriers.

[Water & Environment](#)**2011 - 2014 Product&Solutions Area: Software Solutions Area Manager**

ADASA Sistemas, Barcelona

- Definition and management of the portfolio of Product&Solutions on environmental information systems. Company strategic plan 2012-14: Product&Solutions portfolio definition.
- Design and deployment of a collaborative platform (Sharepoint based) to support the innovation management processes under UNE 166002.
- EU programs surveillance (FP7, CIP, Life+, etc) and grants/funding management for R&D initiatives
- Product development and management: EWAP (Early Warning Platform), DAMEX (Dam Exploitation solutions)
- EU Research & Innovation projects: WWQM (ECO/12/332979), OptimEDAR (ECO/11/304491)
- R&D and innovation national projects: HIDROPTIM (CDTI, resource efficiency and hydraulic networks optimization), ITACA (CDTI large R&D project, waste water treatment)

[Water & Environment](#)**2008 - 2010 Environment Information Systems Division: Business Solutions Innovation Area Manager**

ADASA Sistemas, Barcelona

- Innovative solutions development on environment informational systems, and national grants/funding management for R&D initiatives.
- Product development and management: DamER solution for Dam Emergency Plans management (18 dams installed)
- R&D and innovation national projects: DANEA (CDTI, Early Warning Systems), ECOWATCH (Spanish Environment Ministry, WFD statistical and advanced data analysis)

[Water & Environment](#)**2001 - 2007 Environmental Information Systems Division: Project Manager**

ADASA Sistemas, Barcelona

- Project manager for national and regional water authorities. Expert consultant on corporate IT systems
- Large ICT projects for water management and flood prevention: Guadiana river basin authority, Catalan water agency
- Early Warning Systems: Hidromet project (Llobregat river)
- Other projects: Yeso Dam telemetry system (Chile), Segarra-Garrigues irrigation system ICT Master Plan (Lleida)

[Water & Environment](#)**1996 - 2000 Environmental Information Systems Division: Project Manager**

ADASA Sistemas, Barcelona

- Expert consultant on Automation&Telemetry and Information Systems, in the scope of technology transfer agreements for water utilities (Agbar – Suez Lyonnaise des Eaux) in South America and North Africa.
- Water Supply, Waste Water treatment and sewage networks: Buenos Aires (Argentina), Santiago de Chile, Casablanca (Morocco)
- Smart metering: Barcelona District Metering Areas (DMA) pilot
- Irrigation: Ebro (right margin) irrigation canal, Amposta (Tarragona).

[Water & Environment](#)**1992 - 1996 ICT Division: System architect and functional analyst**

ADASA Sistemas, Barcelona

- Design, development and commissioning of ICT networks and control centres for water supply and sanitation.
- Water Supply: Terrassa, Barcelona, Barcelona metropolitan area, Buenos Aires (Argentina)
- Sanitation: Barcelona sewage network Automation & Telemetry and Information System.

[Water & Environment](#)**1986 - 1991 Control and Automation Division: Automation Technician**

ADASA Sistemas, Barcelona

- Design, development and commissioning of automation systems for water supply, waste water treatment and sewage networks
- **Water Supply:** Terrassa, Barcelona, Alicante, Huelva, Tarragona, Ceuta
- **Waste Water treatment:** Alicante
- **Sewage networks:** Barcelona, Alicante

[Water & Environment](#)

International Experience

**Independent innovation consultant and water & meteorology expert**

- Project management, technology transfer and commercial activities in Argentina, Chile, Morocco, Tunisia, Romania, Netherlands, Germany, Sweden, Belgium, France, Portugal and Spain.

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EDUCATION AND TRAINING

1985-1986

**MSc in Earth Sciences: Meteorology & Geophysics**

EQF level 7

Universitat de Barcelona

- Air physics I, Geophysics I, Continuous media physics, Electromagnetism, Instrumental techniques and data analysis.
- Air physics II, Geophysics II, Biosphere meteorology, Applied geophysics.

1982-1984

**BSc in Physics**

Universitat Autònoma de Barcelona

- Mathematical analysis, Algebra, General Physics, General Chemistry.
- Mathematical methods for physics I and II, Mechanics and waves, Thermodynamics.
- Mathematical methods III, Electricity and magnetism, Optics, Quantum physics.

PERSONAL SKILLS

Mother tongue(s)

Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
Oxford First Certificate					
French	B2	C1	B1	A2	A2
Catalan	C2	C2	C2	C2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

- Good communication skills gained through my experience in conferences and workshops.
- Especially on flash presentations (5min) in 'elevators pitch' format for networking sessions

Organisational / managerial skills

- During last 10 years I have developed some ability for catalysing consortia around core storyline and building win-win relationships among the partners
- Management and coordination of large consortiums formed by partners (> 10) with different interests, different countries and organisations (universities, industry, SMEs, public authorities, ...)
- Management of large ICT projects, from on ground data acquisition up to decision making dashboards and public information, coordinating multidisciplinary teams and the relationship with the client and stakeholders.
- Design, deployment, management and dynamisation of collaborative platforms (SharePoint based or other tools) for proposal preparation, project management, knowledge and innovation processes management and as collaborative intranet for companies, platforms and clusters.
- Organisation of workshops and conferences: agenda drafting, key speakers involvement, chairman in open discussion sessions.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

SharePoint Online Essential Training

Other computer skills:

- PLC/RTU ladder diagram programming for automation
- Computer operating systems administration
- Remote teamwork tools: Slack, Trello
- 3D Concept design schemas (SketchUp) and brainstorming tools (Xmind)
- Good command of photo and video editing software gained as an amateur

Other skills

- LEGO EV3 robot programming for STEM learning and teamwork activities.
- GPS route planning for outdoor activities.
- Organisation and management of leisure outdoor activities and competitive trials.

Driving licence

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ADDITIONAL INFORMATION

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## Relevant Projects

**EU Innovation projects:**

- **R3water:** “Demonstration of innovative solutions for Reuse of water, Recovery of valuable substances and Resource efficiency in urban wastewater treatment” (FP7-ENV-2013-WATER-INNO-DEMO 619093), **water reclamation and reuse activities coordinator** (2014-2017).
- **WEAM4i:** “Water & Energy Advanced Management for Irrigation” (FP7-ENV-2013-WATER-INNO-DEMO 619061), **Technical Coordinator** (2013-2017).
- **WWQM:** “Automatic Equipment for Waste Water Quality Monitoring” (CIP-ECOINNOVATION ECO/12/332979), coordination of Close-to-Market work packages (2013-2015).
- **OptimEDAR:** “Efficient Management of Small and Medium Wastewater Treatment Plants” (CIP-ECOINNOVATION Eco/11/304491), coordination of Close-to-Market work packages (2012-2014).

**Design, development and commissioning of large ICT systems for hydrology, river basin management and flood prevention:**

- Guadiana basin Automatic Hydrological Information System (CH Guadiana): 220 gauging stations, 60 weather stations, 46 dams, TETRA communication system, 2 SCADA Control rooms and 1 Water Information System
- Water Information System (Catalan Water Agency): Regional Water Information System and DataWarehouse integrating data from legacy systems as Automatic Hydrological Information System, Water Quality networks, hydropower stations network as well as data from other public services (Meteocat) and water utilities.

**Design, development and commissioning of large Automation&Telemetry networks for water supply and sanitation:**

- Barcelona Sewage Network (Barcelona council, 1,5 million habitants served): 22 rain gauges, 33 sewage level meters, 7 pumping stations, 10 rain tanks, 2 automatic gates, 1 SCADA Control room.
- Buenos Aires Water Supply and Sanitation (Aguas Argentinas, 9 million habitants supplied): 1 water treatment plant (32m<sup>3</sup>/s), 15 pumping stations, 20 flow meters, 200 District Metering Area pressure points, 5 SCADA Control rooms and 1 Information System.
- Abrera-Sant Joan Despí water supply system (Aigües Ter-Llobregat, 12 municipalities supplied): 22kms/2,4m transport pipe, 1 main reservoir (115.000m<sup>3</sup>), 12 automatic valves, 8 pumping stations, 15 water tanks, 1 hydropower station, 25 RTUs and 1 SCADA Control room.
- Aguas de Ceuta water supply system (ACEMSA): 42 automatic valves, 12 water tanks, 8 pumping stations, 12 RTUs and 1 SCADA Control room.

## Publications

- GALINDO, J., TOROK, S., SALGUERO, F., DE CAMPOS, S., ROMERA, J., PUIG, V. "Optimal Management of Water and Energy in Irrigation Systems: Application to the Bardenas Canal". 20th IFAC World Congress publications, July 2017, Toulouse, France.
- AL-SALEHI, M., DE CAMPOS, S. "Water, energy, food - everything is increasingly connected". European Commission, Research & Innovation, Information Centre, Success Stories, June 2017.
- DE CAMPOS, S. "Green efficiency boost for water treatment plants". CORDIS Community Research and Development Information Service, November 2013.
- ROMERA, J. RODRIGUEZ, P., PUIG, V. QUEVEDO, J. DE CAMPOS, S. (2012). "Hydroptim: una herramienta para el control predictivo basado en modelos". Automática e Instrumentación nº 437, Febrero 2012, páginas 42-47.
- ANGULO, C., CABESTANY, J., RODRÍGUEZ, P., BATLLE, M., GONZÁLEZ, A., DE CAMPOS, S. (2012). "Fuzzy expert system for the detection of episodes of poor water quality through continuous measurement". Expert Systems with Applications. Volume 39, Issue 1, January 2012, pages 1011-1020. DOI: <http://dx.doi.org/10.1016/j.eswa.2011.07.102>
- PUIG, V., ROMERA, J., QUEVEDO, J., RODRÍGUEZ, P., DE CAMPOS, S. (2011). "HYDROPTIM: A Tool for Simulation and Optimisation of Hydrological Systems". Proceedings in the 8th IWA Symposium on Systems Analysis and Integrated Assessment (Watermatex 2011). 20-22 Junio 2011, Donostia-San Sebastián, España.
- ANGULO, C., RODRÍGUEZ, P., BATLLE, M., GONZÁLEZ, A., DE CAMPOS, S. (2010). "Detección de episodios de baja calidad del agua mediante redes de medida en continuo y aplicación de sistemas expertos". Infoenviro, Julio 2010, número 56, páginas 25-31.
- TERRADO, M., BORRELL, E., DE CAMPOS, S., BARCELO, D., TAULER, T. (2010). "Surface-water-quality indices for the analysis of data generated by automated sampling networks". Trends in Analytical Chemistry, Vol. 29, No. 1, 2010.
- DE CAMPOS, S., BARBANCHO, F. (2006). "Nuevas tecnologías aplicadas en la gestión de presas: Sistema Automático de Información Hidrológica (SAIH) de la Confederación Hidrográfica del Guadiana". Ingeniería Civil, Diciembre 2006, nº 144
- DE CAMPOS, S. (2004). "Sistemas automáticos de información hidrológica y de calidad de las aguas". Automática e Instrumentación, Enero 2004, nº 347
- DE CAMPOS, S. (1990). "Control informatizado de la EDAR de Mont Orgegia y de la Red Comarcal de Saneamiento". Tecnología del Agua, Octubre 1990, nº 74

## Conferences &amp; Seminars

- Workshop on "Water Reuse and Research and Innovation" organised under the DG RTD Initiative on Integration of the Innovation Principle into New EU Policy Initiatives. Brussels, May 2017.
- R3water Final Conference: "Water in the circular economy – innovations for urban water treatment". Brussels, May 2017.
- FP4BATIW Conference on "Regional, national and international water treatment strategies from a circular economy perspective". R3water project results presentation. Barcelona, July 2016.
- DEMOWARE Conference on "Innovation for a competitive water reuse sector". aquaBio presentation, Barcelona, June 2016.
- Common Exploitation Booster: Effective Exploitation Strategy seminar. Stockholm, April 2017.
- WEAM4i Final Workshop: chairman of the technical session and organisation of the session "Water-Energy-Food nexus Policy discussion". Barcelona, April 2017.
- R3water Workshop on "Innovations for water reuse, valuables recovery and resource efficiency", chairman of the "Reuse of water " session. iWater Exhibition, Barcelona, November 2016.
- R3water Workshop on "From Innovation to Market: The Second Valley of Death". EIPwater Conference, Leeuwarden (NL), February 2016.
- R3water Workshop on "Potential application fields for innovative wastewater treatment technologies". Brussels, December 2014.
- "XIX SEMINARIO DE ASESORES DE PROYECTOS DE I+D+I DE LA UNIÓN EUROPEA: Del VII Programa Marco a Horizonte 2020", organised by CDTI, success case presentation and round table discussion. San Lorenzo del Escorial (Madrid), October 2013
- AQUA13 IX Conferencia sobre Gestión del Agua. Ponencia "Gestión distribuida de emergencias mediante plataformas de alerta temprana". Madrid, Junio 2013.
- Spanish Water Information System. Flood Management Workshop. Adasa Sistemas. Bucharest, 2011.
- Emergency Management and Early Warning Systems. Flood Management Workshop. Adasa Sistemas. Bucharest, 2011.
- DamER: Modular Emergency Management System in Dams. II International Congress on Dam Maintenance and Rehabilitation. SEPREM. Zaragoza, 2010.
- DamER: Sistema integrado de gestión de planes de emergencia de presas. IX Jornadas Españolas de Presas. CNEGP-SPANCOLD. Valladolid, 2010.
- Nuevas tecnologías aplicadas en la gestión de presas: Sistema Automático de Información Hidrológica (SAIH). 22th International Congress on Large Dams (ICOLD). Barcelona, 2006.
- Poster: HIDROMET: A weather radar based warning system for supporting, exploitation and management of water-treatment plants. Fourth European Conference on Radar in Meteorology and Hydrology. ERAD. Barcelona, 2006.
- HIDROMET: Sistema de alerta de explotación basado en la aplicación del radar meteorológico. XXIX Jornadas Científicas de la Asociación Meteorológica Española. Pamplona, 2006.
- Desarrollo de modelos de previsión y alerta para la gestión de sistemas de drenaje urbano y de cuencas fluviales. Jornadas sobre Agua e Innovación de la Semana AGBAR de la innovación. Barcelona, 2005.
- Sistemas de Validación de Datos. Proyecto Gerhyco. Comunidad de Trabajo de lo Pirineos (CTP) Tarbes, 2002.
- Expériences de contrôle et supervision de la qualité de rivières. Proyecto Gerhyco. Comunidad de Trabajo de lo Pirineos (CTP). Barcelona, 2001.
- Integración de Sistemas de Control Heterogéneos: Aplicación en Aguas Argentinas. Curso de Postgrado en Control Industrial ( Tecnología, Comunicaciones y Scada). Barcelona, 1999.
- Los sistemas informáticos en la gestión de agua. 9ª Conferencia Internacional sobre Hidrología General y Aplicada. Zaragoza, 1991.

## Honours and awards

- **First prize in CAMPBASE INNOVA 2016 competition**, on ideas for improving safety or to design products for mountain sports. CAMPBASE, sponsored by Millet, Boreal and TechROCK, with collaboration FEEC, FEDME, UIAA. Lleida, March 2017.

## Memberships

- **WssTP European Technology Platform for Water** (<http://wsstp.eu/>): Company representative in WssTP. Brussels, Jan 2012 – Nov 2017.

## Courses

- **SharePoint Online Essential Training.** LinkedIn. September 2018
- **Water: Addressing the Global Crisis (WTR001).** SIWI - Stockholm International Water Institute. April 2019. The course, organised by SDG Academy and the Stockholm International Water Institute, focus on how to achieve the goal of ensuring availability and sustainable water and sanitation for all and thereby support the achievement of the entire 2030 Agenda.

## Certifications

- Expert consultant certified by ACCIÓ (Catalan Agency for Business Competitiveness) on H2020 collaborative projects. Barcelona, 2018.
- Expert consultant certified by ACCIÓ (Catalan Agency for Business Competitiveness) on Ris3Cat (Energy & Resources). Barcelona, 2018.

