



CURRICULUM VITAE

PERSONAL INFORMATION

First name(s) / Surname(s)	AGUSTÍ PÉREZ FOGUET
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E-mail / Web page	agusti.perez@upc.edu / http://is.upc.edu , http://grecdh.upc.edu , http://www-lacan.upc.edu
Nationality	Spanish
Date of birth	25.04.1972
Gender	Male

WORK EXPERIENCE

- Dates (from – to) April 2010 to date
- Position held (Name of employer) Vice-rector for Sustainability and Social Responsibility (Universitat Politècnica de Catalunya)
- Dates (from – to) April 2010 – December 2011
- Position held (Name of employer) Director of the UPC University Research Institute for Sustainability Science and Technology IS.UPC (Universitat Politècnica de Catalunya)
- Dates (from – to) October 2007 – March 2010
- Position held (Name of employer) Assistant to the Vice-rector of Academic Affairs (Universitat Politècnica de Catalunya)
- Dates (from – to) January 2007 – August 2010
- Position held (Name of employer) Academic director Cooperation for Development Centre (Universitat Politècnica de Catalunya)
- Dates (from – to) February 2006 to date
- Position held (Name of employer) Co-funder and member of the Research Group on Cooperation and Human Development GRECDH.UPC (Universitat Politècnica de Catalunya)
- Dates (from – to) March 2003 – March 2007
- Position held (Name of employer) Vice-dean of Civil engineering studies, Civil Engineering School (Universitat Politècnica de Catalunya)
- Dates (from – to) July 2002 to date
- Position held (Name of employer) Associate Professor at the Applied Math III Dept. (Universitat Politècnica de Catalunya)
- Dates (from – to) October 2001 – February 2004
- Position held (Name of employer) President (Spanish federation of Engineering without Borders)
- Dates (from – to) July 1999 – December 1999
- Position held (Name of employer) Visiting scholar (University of California at Berkeley)
- Dates (from – to) September 1996 to date
- Position held (Name of employer) Member of the Research Group Laboratory of Computational Methods and Numerical Analysis – LaCaN (Universitat Politècnica de Catalunya)
- Dates (from – to) September 1996 – July 2002
- Position held (Name of employer) Lecturer at the Applied Math III Dept. (Universitat Politècnica de Catalunya)

EDUCATION

- Dates December 2000
- Name and type of organisation Technical University of Catalunya
- Title of qualification awarded PhD in Civil Engineering



- Dates
- Name and type of organisation
- Title of qualification awarded

July 1996
Technical University of Catalunya
Civil Engineering, major in Geotechnical Engineering

ACADEMIC CAREER

Agustí Pérez Foguet obtained the PhD from UPC with honours with a thesis in the field of nonlinear computational solid mechanics. His doctoral studies included a half-year stay at UC Berkeley. In 2002, he was recognized with the award "Premio Juan Carlos Simó para Jóvenes Investigadores" given by the Spanish Society for Numerical Methods in Engineering (SEMNI).

After some years actively involved in the development cooperation sector, in 2006, he was awarded with the "Premio a la Calidad en la Docencia Universitaria" by the UPC Board of trustees for his continuous work in promoting sustainable human development in engineering studies. The Catalan government with the award "Menció Jaume Vicens Vives" also recognized his work.

From year 2006 to present, he has focused his academic activities in applied maths on environmental engineering and sustainable development through two research lines, i.e. "Modelling, simulation and forecasting air quality at local scale" and "Management of water resources and WASH services in developing countries".

He is responsible for postgraduate courses on Advanced Numerical Methods, Technology for Sustainable Human Development, and International Cooperation Projects for Development; director of the UPC University Master program on Sustainable Development, and member of the Civil and Environmental Engineering PhD academic boards.

During years 2010 and 2011, he has been actively involved in the consolidation of the UPC Research Institute for Sustainability Science and Technology IS.UPC.

RESEARCH PROJECTS (SELECTED)

- Dates (from – to) / Country
 - Partners / Donor
 - Main activities and responsibilities
- June 2012 – December 2014 / Mozambique
ARA-Norte (Mozambique), Amphos 21 (Spain), Augas de Galicia (Spain), Universidade da Coruña (Spain) / UE EuropeAid – 10th European Development Fund
Capacity development for Integrated Water Resources Management, principal researcher (UPC team)
- Dates (from – to) / Country
 - Partners / Donor
 - Main activities and responsibilities
- December 2011 – 2014 / Andean Region
Wageningen University (Netherlands), Centro AGUA – Universidad Mayor de San Simón (Bolivia), CINARA - Universidad del Valle (Colombia), Universidad Central del Ecuador (Ecuador), Pontificia Universidad Católica del Perú (Perú), Universidad Nacional Pedro Ruiz Gallo (Perú) / UE Europaid – ALPHA III
Integrated Water Resources Management, researcher
- Dates (from – to) / Country
 - Partners / Donor
 - Main activities and responsibilities
- December 2011 – 2012 / Nicaragua
UNAN de Managua (Nicaragua), Colegio Postgraduado de Méjico COLPOS, CATIE (Costa Rica), UCM, UPM / AECID Spanish Government – PCI
Integrated Water Resources Management, principal researcher (Spanish team)
- Dates (from – to) / Country
 - Partners / Donor
 - Main activities and responsibilities
- November 2011– 2012 / Mozambique
UN Habitat / AECID Spanish Government – CAP (ref 11-CAP2-1562)
WASH data collection; Data analysis; Development of planning tools to support local decision-making, principal researcher
- Dates (from – to) / Country
 - Name of employer
 - Main activities and responsibilities
- November 2010 – July 2011 / Kenya
UNICEF Kenya Country Office
Development of an Action / Investment Plan for the delivery of WASH services in Homa Bay and Suba / principal researcher
- Dates (from – to) / Country
 - Partners / Donor
- January 2010 – February 2013 / Nicaragua
ONGAWA

- Main activities and responsibilities
 - Dates (from – to) / Country
 - Partners / Donor
- Main activities and responsibilities
 - Dates (from – to) / Country
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- Main activities and responsibilities
 - Dates (from – to) / Country
 - Partners / Donor

Technical assistance for monitoring “Terrena” program and introducing Human Right to Water perspective in rural water and sanitation governance / principal researcher

January 2009 – December 2011 / Spain
ULPCG, U Salamanca / Spanish minister of Science (CGL2008-06003-C03-02)
Predictive numerical models for environmental management / principal researcher (UPC team)

July 2008 – December 2012 / Bolivia
Centro AGUA (Universidad Mayor de San Simón) / AECID Spanish Government
Integrated Water Resources Management / principal researcher (Spanish team)

July 2008 – June 2009 / Ethiopia, Tanzania, Kenya, Peru and Bolivia
Intermon Oxfam, Addis Ababa University, GRUFIDES, UNESCO, UNICEF / ACCD
New approaches for supporting water resources management and tackling water poverty / principal researcher

March 2008 – December 2008 / Kenya
Universidad Politécnica de Madrid – Universidad Complutense de Madrid
Assessment of water resources management context of Turkana District, principal researcher (UPC Team)

January 2007 – February 2010 / Tanzania
Ingeniería Sin Fronteras - Asociación para el Desarrollo
Support information system for monitoring water and sanitation programs in Tanzania / principal researcher

PUBLICATIONS (SELECTED)

PEER-REVIEW JOURNALS

- Pérez-Foguet, A.**, Monforte, L., “Adaptive numerical solver for three-dimensional convection - diffusion problems”, submitted to *Advances in Engineering Software*.
- Yacoub, C., **Pérez-Foguet, A.**, “Slope effects on SWAT modeling in a mountainous basin”, submitted to *ASCE Journal of Hydrologic Engineering*.
- Giné, R., **Pérez-Foguet, A.**, “Unravelling the linkages between water, sanitation, hygiene and rural poverty: the WASH Poverty Index”, submitted to *Water Resources Management*.
- Giné, R., **Pérez-Foguet, A.**, “Water, sanitation, hygiene and rural poverty: issues of sector planning and the role of aggregated indicators”, submitted to *Water Policy*.
- Oliver, A., Montero, G., Montenegro, R., Rodríguez, E., Escobar, J.M., **Pérez-Foguet, A.**, “Adaptive finite element simulation of stack pollutant emissions over complex terrains”, submitted to *Energy*.
- Pérez-Foguet, A.**, Casoni, E., Huerta, A., “Dimensionless analysis of HSDM and application to simulation of breakthrough curves of highly adsorbent porous media”, submitted to *ASCE Journal of Environmental Engineering*.
- Oliver, A., Montero, G., Montenegro, R., Rodríguez, E., Escobar, J.M., **Pérez-Foguet, A.** (2012), “Finite Element simulation of a local scale Air Quality Model over complex terrain”, accepted in *Advances in Science and Research*.
- Jiménez, A., **Pérez-Foguet, A.** (2012) “Quality and year-round availability of water delivered by improved water points in rural Tanzania: effects on coverage”. *Water Policy*, 14(3):509–523, doi:10.2166/wp.2011.026.
- Yacoub, C., **Pérez-Foguet, A.**, Miralles, N., (2012), “Trace metal content of sediments close to mine sites in the Andean region”, *The Scientific World Journal*, Vol. 2012, Article ID 732519, doi:10.1100/2012/732519.
- Jiménez, A., **Pérez-Foguet, A.** (2011) “The relationship between technology and functionality of rural water points: evidence from Tanzania”. *Water Science and Technology*, 63(5):949–956, doi: 10.2166/wst.2011.274.
- Giné, R., **Pérez-Foguet, A.** (2011) “Application of a revised WPI to target the water poor”, *Water Science and Technology*, 63(6):1099–1110, doi:10.2166/wst.2011.347.
- Jiménez, A., **Pérez Foguet, A.** (2011) “Water Point Mapping for the analysis of rural water

supply plans: a case study from Tanzania", *ASCE Journal of Water Resources Planning and Management*, 137(5):439–447, doi:10.1061/(ASCE)WR.1943-5452.0000135.

Jiménez, A., Pérez-Foguet, A. (2011) "The challenges of implementing pro-poor policies in a decentralized context: the case of the Rural Water Supply and Sanitation Program in Tanzania". *Sustainability Science*, 6(7):37–49, doi:10.1007/s11625-010-0121-1.

Pérez-Foguet, A., Giné, R. (2011) "Analyzing Water Poverty in Basins", *Water Resources Management*, 25(3):3595–3612, doi:10.1007/s11269-011-9872-4.

Jiménez, A., Pérez-Foguet, A. (2010), "Challenges for water governance in rural water supply: lessons learnt from Tanzania", *International Journal of Water Resources Development*, 26(2):235–248, doi: 10.1080/07900621003775763.

Giné, R., Pérez-Foguet, A. (2010), "Improved method to calculate a Water Poverty Index at local scale", *ASCE Journal of Environmental Engineering*, 136(11):1287–1298, doi:10.1061/(ASCE)EE.1943-7870.0000255.

Jiménez, A. and Pérez-Foguet, A. (2010), "Building the role of local government authorities towards the achievement of the human right to water in rural Tanzania", *Natural Resources Forum*, 34(2):93–105, doi:10.1111/j.1477-8947.2010.01296.x.

Jiménez, A. Pérez-Foguet, A. (2009) "International investments in the water sector", *International Journal of Water Resources Development*, 25(1):1–14, doi:10.1080/07900620802573759.

Gine, R., Pérez-Foguet, A. (2008), "Sustainability assessment of National Rural Water Supply Program in Tanzania", *Natural Resources Forum*, 32(4):287–302, doi:10.1111/j.1477-8947.2008.00213.x.

Boni, A., Pérez-Foguet, A. (2008) "Introducing development education in technical universities: successful experiences in Spain", *European Journal of Engineering Education*, 33(3):343–354, doi:10.1080/03043790802088723.

Jiménez, A., Pérez-Foguet, A. (2008), "Improving water access indicators in developing countries: a proposal using water point mapping methodology", *Water Science and Technology: Water Supply*, 8(3):279–287, doi:10.2166/ws.2008.072.

Perez-Foguet, A., Oliete-Jose, S., Saz-Carranza, A. (2005) "Development education and engineering: a framework for incorporating reality of developing countries into engineering studies", *International Journal of Sustainability in Higher Education*, 6(3):278–303, doi:10.1108/14676370510607241.

**PERSONAL SKILLS
AND COMPETENCES**

MOTHER TONGUE

Catalan / Spanish

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

English
Excellent
Good
Good

COMPUTING SKILLS

Fortran, Matlab, Maple, VisualBasic, SPSS
User of high performance computing frameworks