



Curriculum Vitae



Personal information

First name / Family name	Lorea Flores		
Address(es)			
Telephone			
Mobile			
E-mail	lorea.flores@ehu.es		
Nationality	Spanish		
Date of birth			
Gender	Female		

Personal statement and statement of intent

I obtained two grants to develop my PhD thesis (University of the Basque Country and Spanish Ministry of Science and Education). During my Masters and PhD degree I have been working in Applied Ecology testing the effects of dead wood restoration on the dynamics of organic matter and on macroinvertebrate communities. Specifically I tested how wood addition affected organic matter accumulation and decomposition, how organic matter processing varied among newly created microhabitats after wood addition and effects of dead wood on macroinvertebrate communities and performance. The outcome of my thesis is: 7 published papers in International peer-reviewed journals and multiple oral and poster presentations in International meetings. I have been involved in 3 research projects: COMPLEXTREAM (to test effects of wood restoration on streams), SCARCE (effects of water scarcity on freshwater systems) and Abstract (to test the effects of water abstraction on the functioning of stream ecosystems).

I decided to apply for an *Agreeskills* fellowship because it will help me to develop my research skills and strengthen my collaborative network, which is important to develop future project proposals, and will enhance my possibilities to achieve a permanent position as a researcher or university lecturer. Moreover, my research interest focuses on the effect of global change on freshwater systems. As effects of agriculture and land use change are one of the major factors affecting streams and rivers, my research interests are fully aligned with the objectives of *Agreenium*. Therefore the *AgreenSkills* fellowship will be a good opportunity for me to develop my research objectives, to enhance my international research network through collaborations with French research groups of the INRA and to significantly improve my CV. In summary, the fellowship will enhance the development of my scientific career to reach scientific maturity so that I can establish myself as a permanent researcher and teacher.



Education and training

Location and dates	Laboratory of Stream ecology, Department of Plant Biology and Ecology, Faculty of Science and Technology, University of the Basque Country, Leioa, Spain. 1/03/2010-14/05/2014
Title of qualification awarded	PhD in Biology
Principal subjects/occupational skills covered	<u>Principal subjects:</u> Stream restoration, pesticide contamination, stream ecosystem functioning, organic matter accumulation and decomposition, invertebrate communities, resource quantity and quality, aquatic fungi. <u>Occupational skills:</u> Plan and design field and laboratory studies, freshwater invertebrate identification, body mass, biomass and growth rate estimation. Identification of fungal spores and estimation of sporulation rates. Dissemination of results in conferences (poster and oral presentations) and by the publication of scientific papers in international journals.
Name of Institute	University of the Basque Country

Location and dates	Department of Plant Biology and Ecology, Faculty of Science and Technology, University of the Basque Country, Leioa, Spain. 15/09/2008 – 29/09/2009
Title of qualification awarded	MSc degree
Principal subjects/occupational skills covered	To study the effects of dead wood restoration in organic matter accumulation and decomposition in 4 headwater streams. Occupational skills: Perform field study in 4 streams. Organic matter and invertebrate sampling. Estimation of decomposition rates and invertebrate identification and measure biomass.
Name of Institute	University of the Basque Country

Work experience

Location and dates	Laboratory of Stream ecology, Department of Plant Biology and Ecology, Faculty of Science and Technology, University of the Basque Country, Leioa, Spain. 15/06/2014-15/03/2015
Occupation or position held	Post doctoral researcher
Main activities and responsibilities	Publication of the manuscripts related to the PhD thesis, redaction of project proposals for the achievement of future postdoctoral positions. Contribute to the on going projects of the research team.
Name of employer	University of the Basque Country

Location and dates	Bilbao, Spain 01/06/2009 – 30/11/2009
Occupation or position held	Researcher
Main activities and responsibilities	Test the effects of wood restoration on stream invertebrate communities. Invertebrate sampling and identification.
Name of employer	Biodiversity centre of the Basque Country.

Languages

Mother tongue(s)	Spanish and Basque				
Other language(s)	Understanding		Speaking		Writing
<i>European level (*)</i>	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
French	A2	B1	A1	A1	A1
	(*) <i>Common European Framework of Reference for Languages</i> http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr				

Academic Record

Publications	<p>Accepted, in press and published articles / papers:</p> <ol style="list-style-type: none"> 1. Elosegi A, Elorriaga C, Flores L, Martí E. & Díez J.R. (Accepted) Restoration of wood loading enhances water, nutrient and leaf retention in Basque mountain streams. <i>Freshwater Science</i> 2. Flores L., Banjac Z., Farré M., Larrañaga A, Mas-Martí E., Muñoz I., Barceló D. and Elosegi A. (2014) Effects of a fungicide (imazalil) and an insecticide (diazinon) on stream fungi and invertebrates associated with litter breakdown. <i>Science of the Total Environment</i>, 476-477: 532-541. 3. Flores L., Larrañaga A. and Elosegi A. (2014) Compensatory feeding of a stream detritivore alleviates the effects of poor food quality when enough food is supplied. <i>Freshwater Sciences</i>. 33(1): 134-141. 4. Acuña V., Díez J.R., Flores L., Meleason M. and Elosegi A. (2013) Does it make economic sense to restore rivers for their ecosystem services? <i>Journal of Applied Ecology</i> 50: 988-997. 5. Flores L., Díez J.R., Larrañaga A., Pascoal C. and Elosegi A. (2013) Effects of
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	<p>retention site on breakdown of organic matter in a mountain stream. <i>Freshwater Biology</i> 58: 1267-1278.</p> <p>6. Arroita M., Aristi I., Flores L., Larrañaga A., Díez J.R., Mora J., Romani A.M. and Elosegi A. (2012) The use of wooden sticks to assess stream ecosystem functioning: Comparison with leaf breakdown rates. <i>Science of the Total Environment</i> 440: 115-122.</p> <p>7. Flores L., Larrañaga A., Díez J.R. and Elosegi A. (2011) Experimental wood addition in streams: effects on organic matter storage and breakdown. <i>Freshwater Biology</i> 56: 2156–2167.</p> <p>8. Elosegi A., Flores L. and Díez J.R. (2011) Importance of local processes in formation and conservation of river habitats. <i>Limnetica</i> 30(2): 183-196.</p>
	<p>Submitted publications:</p> <p>1. Pereda O., Arroita M., Aristi I., Flores L., Larrañaga A. and Elosegi A. (Submitted) Effects of aeration and sediment grain size on invertebrate interactions and litter breakdown. <i>Hydrobiologia</i>.</p>
Participation in open calls for proposals as contributor or leader	<p>1- Cascade-Fellows for postdoctoral researchers (30-04-2015)</p> <p>2- Agreenskill fellowships (11-2014)</p> <p>3- Open call for experienced researchers. INRA (2014)</p> <p>4- Marie Skłodowska-Curie actions : Individual Fellowships (H2020-MSCA-IF-2014).</p> <p>5- Contributor in the call for the ABSTRACT project funded by the Spanish Ministry of Economy and Competitiveness (Identification code: CGL2012-35848). Principal investigator: Dr Arturo Elosegi.</p> <p>6- Contributor in the COMPLEXTREAM project funded by the Spanish Ministry of Education and Sciences (Identification code: CGL2007-65176/HI). Principal investigator: Dr Arturo Elosegi.</p>
Graduate teaching as lecturer or training coordinator	<p>Teaching assistant: University of the Basque Country, 2012-2013</p> <ul style="list-style-type: none"> - Laboratory practices on stream invertebrate identification and leaf litter decomposition. - Teaching assistant of Ecology. <p>Assist in the formation of master students in the laboratory and the field.</p>

Collaboration and Networking

Participation in collaborative projects funded by competitive programmes	<ul style="list-style-type: none"> • SCARCE: Assessing and predicting effects on water quantity in Iberian rivers caused by global change. Supported by: Spanish Ministry of Research, Development and Innovation (Consolider-Ingenio CSD2009-00065). 01/01/2010-30/12/2014. Principal researcher: Damiá Barceló (IDEA CSIC). Total Budget: 3 700 000 €.
Membership of professional bodies and committees	Member of the Iberian Association of Limnology

Research management, Technology transfer, and Communication

Consultancy for the public or private sector	“Project for the recuperation of the Iberian Desman (<i>Galemys pyrenaicus</i>) in Gipuzkoa”. Department of Innovation, rural development and tourism. Conducted jointly with Desma S.L. company for the government of Guipuzcoa
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Other experience and skills relevant to the application	
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Scientific References

Full name	<i>Dr Julia Reiss</i>
Position	<i>Senior Lecturer in Ecology</i>
Institution	<i>University of Roehampton (London, UK)</i>
Email address	<i>Julia.Reiss@roehampton.ac.uk</i>

Full name	<i>Prof Arturo Elosegi</i>
Position	<i>Professor in Ecology</i>
Institution	<i>University of the Basque Country (Bilbao, Spain)</i>
Email address	<i>arturo.elosegi@ehu.es</i>

Full name	<i>Dr Claudia Pascoal</i>
Position	<i>Senior Lecturer in Ecology</i>
Institution	<i>University of Minho (Braga, Portugal)</i>
Email address	<i>cpascoal@bio.uminho.pt</i>

How did you hear about AgreenSkills programmes?

I heard about Agreenskills form a research colleague	
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