



Maite Arroita Azkarate

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I got my degree in Biology at the University of the Basque Country (UPV/EHU) in 2011 and was awarded with the Special Award for Degree and Award to the Best Academic Report. Right after finishing my degree I officially joined the Stream Ecology group of the UPV/EHU, in which I collaborated as an undergraduate student since 2008. I got my Master's Degree in Biodiversity, Ecosystem Functioning and Management (01/10/2012, Best Student Award) as well as my PhD in Ecology (14/12/2015, Cum Laude) in the same group, under the supervision of Dr. Joserra Díez and Prof. Arturo Elosegi, respectively. I am a postdoctoral researcher of the Stream Ecology group since 2016.

During my PhD, I did a 3-month internship at Duke University (Durham, NC, US) under the supervision of Prof. Robert O. Hall and Prof. Emily S. Bernhardt. Thanks to the work I did during this internship, I was invited to participate in a project funded by the United States Geological Survey, in which I collaborated with international scientists leading the field of river metabolism. Additionally, together with Prof. Arturo Elosegi (UPV/EHU), Prof. Robert O. Hall became the co-advisor of my postdoctoral research project. Therefore, I spent the first 2 years of my scholarship at the University of Wyoming (02-09/2017) and the Flathead Lake Biological Station, University of Montana (10/2017-01/2019) working with Prof. Robert O. Hall.

During this period, I participated in 8 research projects funded by: European Union, Ministry of Economy and Competitiveness, Basque Government, US Geological Survey, and US National Science Foundation. Diverse entities participated in most of the projects and I collaborated with many national and international researchers in addition to the Stream Ecology group members, building a solid collaborative network. Additionally, it is worth mentioning that in 2 of the international projects I am the only member from the UPV/EHU Stream Ecology group.

All these projects study different aspects of river ecology. More specifically, my research focuses on how river structure and functioning respond to environmental stressors. For that purpose, I combined observational and manipulative experiments both in the field and in the laboratory and gained experience in identifying freshwater organisms, laboratory analytical techniques, organic matter dynamics measurements, nutrient retention measurements, metabolism measurements, data treatment, and statistical analyses. I published 18 scientific papers in SCI journals (14 in Q1) and participated in 56 conferences in order to disseminate my results.

During this period, I also taught the Limnology course and supervised an end of course project, both in the Biology Degree at the UPV/EHU. Moreover, due to my interest in teaching, I got a Master's degree in Teacher Training at the International University of Valencia (03/2017).



Currently, I am developing new models to estimate river metabolism in order to reconstruct and analyze historic changes in river functioning using high frequency long-term water quality data gathered by water agencies. My goal is to identify long-term patterns in river functioning and study how rivers responded to environmental stressors as well as to management and restoration efforts. I will also continue developing all the skills I gained during my professional career to further enrich my background with complementary scientific, technological and management training.



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

SCI papers: 18
Papers in Q1: 14
Total citations: 170 (WOS)
H Index: 9 (WOS)
Conference presentations: 56

Maite Arroita Azkarate

Surname(s): **Arroita Azkarate**
Name: **Maite**
DNI: **72513895R**
Date of birth: **09/12/1988**
Gender: **Female**
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Mobile phone: **635201453**

Current professional situation

Employing entity: Universidad del País Vasco

Department: Facultad de Ciencia y Tecnología

Professional category: Postdoctoral researcher

Start date: 23/01/2017

Type of contract: Grant-assisted student (pre or post-doctoral, others) **Dedication regime:** Full time

Primary (UNESCO code): 250808 - Limnology

Performed tasks: I was awarded with a 3-year postdoctoral scholarship by the Basque Government to create new models to improve our ability to estimate river ecosystem metabolism, and reconstruct and analyze historic changes in river functioning using high frequency long-term water quality data gathered by water agencies. This research was developed in collaboration with Professor Robert O. Hall (i.e. co-advisor of my postdoctoral research project) at the University of Wyoming and the Flathead Lake Biological Station, University of Montana. I was reinstated at the University of the Basque Country on January 23rd 2019 to transfer the acquired skills to other students and researchers, and finish my research project under the supervision of Professor Arturo Elosegi (i.e. advisor).

Identify key words: Fresh water ecosystems; Biochemical and hydrological cycles; Applied ecology; Aquatic ecology

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad del País Vasco	Postdoctoral researcher	01/02/2016
2	Universidad del País Vasco	Predoctoral researcher	01/01/2012
3	Universidad del País Vasco	Researcher	15/07/2011

- 1** **Employing entity:** Universidad del País Vasco **Type of entity:** University
Department: Facultad de Ciencia y Tecnología
Professional category: Postdoctoral researcher
Start-End date: 01/02/2016 - 31/10/2016 **Duration:** 9 months
Type of contract: Temporary
Dedication regime: Part time



Performed tasks: Publish the results obtained during the PhD in SCI journals and perform experiments with the GLOBAQUA project, aimed at assessing effects of multiple stressors on aquatic ecosystems under water scarcity.

2 **Employing entity:** Universidad del País Vasco **Type of entity:** University

Department: Facultad de Ciencia y Tecnología

Professional category: Predoctoral researcher

Start-End date: 01/01/2012 - 31/12/2015

Duration: 4 years

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Performed tasks: I was awarded with a 4-year predoctoral scholarship by the Basque Government to do a PhD under the supervision of Professor Arturo Elosegi. My PhD project was carried out within the ABSTRACT project and focused on the effects of water abstraction on stream ecosystem functioning. I also participated in studies within the SCARCE project, aimed at assessing and predicting effects on water quantity and quality in Iberian rivers caused by global change.

3 **Employing entity:** Universidad del País Vasco **Type of entity:** University

Department: Facultad de Ciencia y Tecnología

Professional category: Researcher

Start-End date: 15/07/2011 - 31/12/2011

Duration: 5 months - 17 days

Type of contract: Temporary

Dedication regime: Part time

Performed tasks: Perform field and laboratory experiments within the SCARCE project, aimed at assessing and predicting effects on water quantity and quality in Iberian rivers caused by global change.



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree

Name of qualification: Degree in Biology

Degree awarding entity: Universidad del País Vasco **Type of entity:** University

Date of qualification: 10/06/2011

Average mark: Outstanding

Prize: Special award for degree

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Biodiversidad, Funcionamiento y Gestión de Ecosistemas

Degree awarding entity: Universidad del País Vasco **Type of entity:** University

Date of degree: 14/12/2015

Thesis title: Effects of water abstraction on stream ecosystem functioning

Thesis director: Arturo Elosegui Iruña

Obtained qualification: Cum Laude, International

Other postgraduate university studies

1 Type of education: Masters

Postgraduate qualification: Máster Universitario en Formación del Profesorado de Educación Secundaria Obligatoria, Bachillerato, Formación Profesional y Enseñanza de Idiomas

Degree awarding entity: Universidad Internacional **Type of entity:** University de Valencia

Date of qualification: 03/2017

Obtained qualification: 8.50/10

2 Type of education: Masters

Postgraduate qualification: Master's Degree in Biodiversity, Ecosystem Functioning and Management

Degree awarding entity: Universidad del País Vasco **Type of entity:** University

Faculty, institute or centre: Facultad de Ciencia y Tecnología

Date of qualification: 01/10/2012

Obtained qualification: 9.50/10



Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	B2	B2	B1	B1	B2
Basque	C2	C2	C2	C2	C2
English	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2

Teaching experience

General teaching experience

- Type of teaching:** Official teaching
Name of the course: Limnology
University degree: Degree in Biology
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 0,9
Entity: Universidad del País Vasco **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencia y Tecnología
Subject language: Basque
- Type of teaching:** Official teaching
Name of the course: Limnology
University degree: Degree in Biology
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 0,9
Entity: Universidad del País Vasco **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencia y Tecnología
Subject language: Spanish

Experience supervising doctoral thesis and/or final year projects

Project title: Ibaiko sare trofikoak eraikitzen literaturako informazioa erabilita
Type of project: End of course project
Entity: Universidad del País Vasco **Type of entity:** University
Student: Gorka Ugarte Terán
Obtained qualification: 9/10
Date of reading: 13/07/2018



Other activities/achievements not included above

- 1 **Description of the activity:** Teaching the course "Naturaren ikerketa: ikusi, behatu, neurtu eta bizi!" within the Bizilabe project
Organising entity: FUNDACION ELHUYAR / ELHUYAR FUNDAZIOA
End date: 12/2016
- 2 **Description of the activity:** Organization of the summer course "Mendiko teknikak basabizitzaren ikerketan. Ikastaro praktikoa Pirinioetan"
Organising entity: Udako Euskal Unibertsitatea (UEU) **Type of entity:** Associations and Groups
End date: 07/2015
- 3 **Description of the activity:** Organization of the workshop "Guidelines for writing and publishing a scientific paper"
Organising entity: Iberian Association of Limnology **Type of entity:** Associations and Groups
End date: 22/02/2015

Scientific and technological experience

Research and development groups/teams

Name of the group: Group of Stream Ecology
Aims of the group: Study basic and applied aspects of the ecology of freshwater ecosystems
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Start date: 15/07/2011 **Duration:** 7 years - 2 months - 15 days

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1 **Name of the project:** Ayudas para apoyar las actividades de grupos de investigación del Sistema Universitario Vasco
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Nº of researchers: 13
Start-End date: 01/01/2016 - 31/12/2021
Total amount: 610.000 €
- 2 **Name of the project:** COLLABORATIVE RESEARCH: Defining Stream Biomes to Better Understand and Forecast Stream Ecosystem Change
Entity where project took place: University of Montana **Type of entity:** University
City of entity: United States of America
Start-End date: 01/02/2018 - 31/08/2020
Total amount: 272.387 €



- 3** **Name of the project:** GLOBAQUA. Managing the effects of multiple stressors on aquatic ecosystems under water scarcity
Entity where project took place: IDAEA-CSIC, LMU, UNITN, EKUT, JSI, UB, UPV/EHU, ICRA, ATHENA, ALTERRA, IES-JRC, IMPERIAL, AEIFORIA, CNRS-LEHNA, UFZ, SMHI, UNIPD, HCMR, IBISS, TNO, IAV, INRS-ETE, WU
Start-End date: 01/02/2014 - 31/01/2019
Total amount: 7.590.585,6 €
- 4** **Name of the project:** Continental-scale overview of stream primary productivity, its links to water quality, and consequences for aquatic carbon biogeochemistry
Entity where project took place: USGS, UW-Madison, UW, SBSC, ORNL, Duke University, UPV/EHU
N° of researchers: 12
Start-End date: 01/04/2015 - 30/11/2016
Total amount: 148.000 €
- 5** **Name of the project:** ABSTRACT. Effects of water abstraction on river ecosystem functioning
Entity where project took place: UPV/EHU, URJC **Type of entity:** University
N° of researchers: 9
Start-End date: 01/01/2013 - 31/12/2015
Total amount: 162.140 €
- 6** **Name of the project:** Ayudas para apoyar las actividades de grupos de investigación del Sistema Universitario Vasco
Entity where project took place: Universidad del País Vasco **Type of entity:** University
N° of researchers: 13
Start-End date: 01/01/2010 - 31/12/2015
Total amount: 292.500 €
- 7** **Name of the project:** DOMIPEX. Effects of labile DOC additions over DOM dynamics as a function of discharge variability
Entity where project took place: UB, IGB, ICRA, Upsala University, UdG, UPV/EHU, IH Cantabria, University of Murcia, CREAM, EAWAG, IMDEA
Start-End date: 01/07/2013 - 01/07/2015
Total amount: 6.000 €
- 8** **Name of the project:** SCARCE. Assessing and predicting effects on water quantity and quality in Iberian Rivers caused by global change
Entity where project took place: IDAEA-CSIC, ICRA, UB, UPC, UV, ICMAN-CSIC, UPV/EHU, URV, UdL, UPV, UPM
N° of researchers: 85
Start-End date: 01/01/2010 - 31/12/2014
Total amount: 3.700.000 €



Scientific and technological activities

Scientific production

H index: 9

Date of application: 27/01/2019

Publications, scientific and technical documents

- 1** Maite Arroita; Arturo Elosegi; Robert O. Hall. Twenty years of daily metabolism show riverine recovery after pollution abatement. *LIMNOLOGY AND OCEANOGRAPHY*. 64, pp. S77 - S92. 18/01/2019. ISSN 0024-3590
Type of production: Scientific paper **Format:** Journal
- 2** Appling, Alison P.; Read, Jordan S.; Winslow, Luke A.; Arroita, Maite; Bernhardt, Emily S.; Griffiths, Natalie A.; Hall, Robert O., Jr.; Harvey, Judson W.; Heffernan, James B.; Stanley, Emily H.; Stets, Edward G.; Yackulic, Charles B. The metabolic regimes of 356 rivers in the United States. *SCIENTIFIC DATA*. 5, 11/12/2018. ISSN 2052-4463
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 0
- 3** Arroita, Maite; Flores, Lorea; Larranaga, Aitor; Chauvet, Eric; Elosegi, Arturo. Hydrological contingency: drying history affects aquatic microbial decomposition. *AQUATIC SCIENCES*. 80 - 3, 07/2018. ISSN 1015-1621
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 1
- 4** Bernhardt, E. S.; Heffernan, J. B.; Grimm, N. B.; Stanley, E. H.; Harvey, J. W.; Arroita, M.; Appling, A. P.; Cohen, M. J.; McDowell, W. H.; Hall, R. O., Jr.; Read, J. S.; Roberts, B. J.; Stets, E. G.; Yackulic, C. B. The metabolic regimes of flowing waters. *LIMNOLOGY AND OCEANOGRAPHY*. 63, pp. S99 - S118. 03/2018. ISSN 0024-3590
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 12
- 5** Appling, Alison P.; Hall, Robert O., Jr.; Yackulic, Charles B.; Arroita, Maite. Overcoming Equifinality: Leveraging Long Time Series for Stream Metabolism Estimation. *JOURNAL OF GEOPHYSICAL RESEARCH-BIOGEOSCIENCES*. 123 - 2, pp. 624 - 645. 02/2018. ISSN 2169-8953
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 4
- 6** von Schiller, Daniel; Acuna, Vicenc; Aristi, Ibon; Arroita, Maite; Basaguren, Ana; Bellin, Alberto; Boyero, Luz; Butturini, Andrea; Ginebreda, Antoni; Kalogianni, Eleni; Larranaga, Aitor; Majone, Bruno; Martinez, Aingeru; Monroy, Silvia; Munoz, Isabel; Paunovic, Momir; Pereda, Olatz; Petrovic, Mira; Pozo, Jesus; Rodriguez-Mozaz, Sara; Rivas, Daniel; Sabater, Sergi; Sabater, Francesc; Skoulikidis, Nikolaos; Solagaistua, Libe; Vardakas, Leonidas; Elosegi, Arturo. River ecosystem processes: A synthesis of approaches, criteria of use and sensitivity to environmental stressors. *SCIENCE OF THE TOTAL ENVIRONMENT*. 596, pp. 465 - 480. 15/10/2017. ISSN 0048-9697
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 13

- 7** Pastor, Ada; Lupon, Anna; Gomez-Gener, Lluís; Rodríguez-Castillo, Tamara; Abril, Meritxell; Arce, Maria Isabel; Aristi, Ibon; Arroita, Maite; Bravo, Andrea G.; de Castro-Catala, Nuria; del Campo, Ruben; Pere Casas-Ruiz, Joan; Estevez, Edurne; Fernandez, Diego; Fillol, Mireia; Flores, Lorea; Freixa, Anna; Gimenez-Grau, Pau; Maria Gonzalez-Ferreras, Alexia; Hernandez-del Amo, Elena; Martin, Eduardo J.; Martinez, Aingeru; Monroy, Silvia; Mora-Gomez, Juanita; Palacin-Lizarbe, Carlos; Pereda, Olatz; Poblador, Silvia; Rasines-Ladero, Ruben; Reyes, Marta; Rodriguez-Lozano, Pablo; Ruiz, Celia; Sanpera-Calbet, Isis; Solagaistua, Libe; Tornero, Irene; Catalan, Nuria. Local and regional drivers of headwater streams metabolism: insights from the first AIL collaborative project. LIMNETICA. 36 - 1, pp. 67 - 85. 05/2017. ISSN 0213-8409
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 2
- 8** Arroita, Maite; Flores, Lorea; Larranaga, Aitor; Martinez, Aingeru; Martinez-Santos, Miren; Pereda, Olatz; Ruiz-Romera, Estilita; Solagaistua, Libe; Elosegi, Arturo. Water abstraction impacts stream ecosystem functioning via wetted-channel contraction. FRESHWATER BIOLOGY. 62 - 2, pp. 243 - 257. 02/2017. ISSN 0046-5070
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 7
- 9** Pereda, Olatz; Arroita, Maite; Aristi, Ibon; Flores, Lorea; Larranaga, Aitor; Elosegi, Arturo. Effects of aeration, sediment grain size and burial on stream litter breakdown and consumer performance: a microcosm study. MARINE AND FRESHWATER RESEARCH. 68 - 12, pp. 2266 - 2274. 2017. ISSN 1323-1650
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 0
- 10** I Campos; M Arroita; JR Díez. Uraren zikloan eta hiriko uraren zikloaren akats kontzeptualak. DBHko ikasleen eta etorkizuneko irakasleen arteko konparaketa. IKASTORRATZA e-Revista de Didáctica. 18, pp. 45 - 64. 2017. ISSN 1988-5911
Type of production: Scientific paper **Format:** Journal
- 11** Gomez-Gener, Lluís; von Schiller, Daniel; Marce, Rafael; Arroita, Maite; Pere Casas-Ruiz, Joan; Anton Staehr, Peter; Acuna, Vicenc; Sabater, Sergi; Obrador, Biel. Low contribution of internal metabolism to carbon dioxide emissions along lotic and lentic environments of a Mediterranean fluvial network. JOURNAL OF GEOPHYSICAL RESEARCH-BIOGEOSCIENCES. 121 - 12, pp. 3030 - 3044. 12/2016. ISSN 2169-8953
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 3
- 12** von Schiller, Daniel; Aristi, Ibon; Ponsati, Lidia; Arroita, Maite; Acuna, Vicenc; Elosegi, Arturo; Sabater, Sergi. Regulation causes nitrogen cycling discontinuities in Mediterranean rivers. SCIENCE OF THE TOTAL ENVIRONMENT. 540, pp. 168 - 177. 01/01/2016. ISSN 0048-9697
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 12
- 13** Solagaistua, Libe; Arroita, Maite; Aristi, Ibon; Aga, Aitor Larran; Elosegi, Arturo. Changes in discharge affect more surface than subsurface breakdown of organic matter in a mountain stream. MARINE AND FRESHWATER RESEARCH. 67 - 12, pp. 1826 - 1834. 2016. ISSN 1323-1650
Type of production: Scientific paper **Format:** Journal
Source of citations: WOS **Citations:** 6
- 14** Ponsati, L.; Acuna, V.; Aristi, I.; Arroita, M.; Garcia-Berthou, E.; von Schiller, D.; Elosegi, A.; Sabater, S. Biofilm Responses to Flow Regulation by Dams in Mediterranean Rivers. RIVER RESEARCH AND APPLICATIONS. 31 - 8, pp. 1003 - 1016. 10/2015. ISSN 1535-1459



Type of production: Scientific paper
Source of citations: WOS

Format: Journal
Citations: 13

- 15** Aristi, Ibon; von Schiller, Daniel; Arroita, Maite; Barcelo, Damia; Ponsati, Lidia; Garcia-Galan, Maria J.; Sabater, Sergi; Elosegi, Arturo; Acuna, Vicenc. Mixed effects of effluents from a wastewater treatment plant on river ecosystem metabolism: subsidy or stress?. FRESHWATER BIOLOGY. 60 - 7, pp. 1398 - 1410. 07/2015. ISSN 0046-5070

Type of production: Scientific paper
Source of citations: WOS

Format: Journal
Citations: 16

- 16** Arroita, Maite; Aristi, Ibon; Diez, Joserra; Martinez, Miren; Oyarzun, Gorka; Elosegi, Arturo. Impact of water abstraction on storage and breakdown of coarse organic matter in mountain streams. SCIENCE OF THE TOTAL ENVIRONMENT. 503, pp. 233 - 240. 15/01/2015. ISSN 0048-9697

Type of production: Scientific paper
Source of citations: WOS

Format: Journal
Citations: 10

- 17** Aristi, Ibon; Arroita, Maite; Larranaga, Aitor; Ponsati, Lydia; Sabater, Sergi; von Schiller, Daniel; Elosegi, Arturo; Acuna, Vicenc. Flow regulation by dams affects ecosystem metabolism in Mediterranean rivers. FRESHWATER BIOLOGY. 59 - 9, pp. 1816 - 1829. 09/2014. ISSN 0046-5070

Type of production: Scientific paper
Source of citations: WOS

Format: Journal
Citations: 26

- 18** Arroita, Maite; Causape, Jesus; Comin, Francisco A.; Diez, Joserra; Jose Jimenez, Juan; Lacarta, Juan; Lorente, Carmen; Merchan, Daniel; Muniz, Selene; Navarro, Enrique; Val, Jonatan; Elosegi, Arturo. Irrigation agriculture affects organic matter decomposition in semi-arid terrestrial and aquatic ecosystems. JOURNAL OF HAZARDOUS MATERIALS. 263, pp. 139 - 145. 15/12/2013. ISSN 0304-3894

Type of production: Scientific paper
Source of citations: WOS

Format: Journal
Citations: 16

- 19** Arroita, Maite; Aristi, Ibon; Flores, Lorea; Larranaga, Aitor; Diez, Joserra; Mora, Juanita; Romani, Anna M.; Elosegi, Arturo. The use of wooden sticks to assess stream ecosystem functioning: Comparison with leaf breakdown rates. SCIENCE OF THE TOTAL ENVIRONMENT. 440, pp. 115 - 122. 01/12/2012. ISSN 0048-9697

Type of production: Scientific paper
Source of citations: WOS

Format: Journal
Citations: 21

- 20** JR Díez; M Iradi; M Arroita. Detección de las ideas del alumnado de secundaria sobre la microbiología e implementación de una práctica de laboratorio. Encuentros de Didáctica de las Ciencias Experimentales. pp. 31 - 39. UEX & APICE, 2016. ISBN 978-84-617-4059-8

Type of production: Book of extended abstracts of conference

Format: Book

- 21** L Solagaistua; A Larrañaga; I Aristi; M Arroita; L Flores; O Pereda; A Elosegi. Changes in stream discharge affect more benthic than hyporheic breakdown. River conservation under water scarcity: Integration of water quantity and quality in Iberian Rivers under global change. pp. 129. AIL, 2014. ISBN 978-84-937882-8-5

Type of production: Book of extended abstracts of international conference

Format: Book

- 22** O Pereda; A Larrañaga; I Aristi; M Arroita; L Flores; L Solagaistua; A Elosegi. Effects of aeration and sediment grain size on invertebrate interactions and litter breakdown. River conservation under water scarcity: Integration of water quantity and quality in Iberian Rivers under global change. pp. 128. AIL, 2014. ISBN 978-84-937882-8-5



Type of production: Book of extended abstracts of international conference **Format:** Book

- 23** D von Schiller; L Ponsatí; I Aristi; M Arroita; V Acuña; A Elosegi; S Sabater. Impact of dams on biogeochemical processes in Iberian rivers. River conservation under water scarcity: Integration of water quantity and quality in Iberian Rivers under global change. pp. 38 - 41. AIL, 2014. ISBN 978-84-937882-8-5

Type of production: Book of extended abstracts of international conference **Format:** Book

- 24** A Elosegi; I Aristi; M Arroita; L Flores; JM González; A Larrañaga; M Martínez; A Martínez; O Pereda; L Solagaistua. Water scarcity in humid-climate streams: a manipulative experiment. River conservation under water scarcity: Integration of water quantity and quality in Iberian Rivers under global change. pp. 50. AIL, 2014. ISBN 978-84-937882-8-5

Type of production: Book of extended abstracts of international conference **Format:** Book

- 25** I Aristi; M Arroita; L Ponsatí; S Sabater; D von Schiller; A Elosegi; V Acuña. Effects of WWTP effluent on the metabolism of a Mediterranean river. Extended abstracts, SCARCE 4th Annual Conference. Towards a better understanding of the links between stressors, hazard assessment and ecosystem services under water scarcity. pp. 195. AIL, 2013. ISBN 978-84-937882-6-1

Type of production: Book of extended abstracts of international conference **Format:** Book

- 26** A Larrañaga; L Flores; I Aristi; I Arostegui; M Arroita; JR Díez; A Elosegi. Effects of restoring stream dead wood on reach-scale storage and decomposition of organic matter. Extended abstracts, SCARCE 4th Annual Conference. Towards a better understanding of the links between stressors, hazard assessment and ecosystem services under water scarcity. pp. 194. AIL, 2013. ISBN 978-84-937882-6-1

Type of production: Book of extended abstracts of international conference **Format:** Book

- 27** M Arroita; I Aristi; A Elosegi. Effects of water abstraction on large river ecosystem metabolism. Extended abstracts, SCARCE 4th Annual Conference. Towards a better understanding of the links between stressors, hazard assessment and ecosystem services under water scarcity. pp. 193. AIL, 2013. ISBN 978-84-937882-6-1

Type of production: Book of extended abstracts of international conference **Format:** Book

- 28** I Aristi; M Arroita; L Flores; L Ponsatí; D von Schiller; V Acuña; S Sabater; A Elosegi. Effect of flow regulation by dams on carbon flux in Mediterranean river ecosystems. Extended abstracts, SCARCE 3rd Annual Conference. Bridging toxicants, stressors and risk-based Management under water scarcity. pp. 82 - 85. AIL, 2012. ISBN 978-84-937882-5-4

Type of production: Book of extended abstracts of international conference **Format:** Book

- 29** D von Schiller; V Acuña; I Aristi; M Arroita; A Elosegi; L Ponsatí; S Sabater. Impact of dams on biogeochemical processes in rivers. Extended abstracts, SCARCE 3rd Annual Conference. Bridging toxicants, stressors and risk-based Management under water scarcity. pp. 165. AIL, 2012. ISBN 978-84-937882-5-4

Type of production: Book of extended abstracts of international conference **Format:** Book

- 30** M Arroita; J Causapé; FA Comín; JR Díez; JJ Jimenez; J Lacarta; C Lorente; D Merchán; S Muñiz; E Navarro; J Val; A Elosegi. Irrigation agriculture affects functioning of semi-arid terrestrial and aquatic ecosystems. Extended abstracts, SCARCE 3rd Annual Conference. Bridging toxicants, stressors and risk-based Management under water scarcity. pp. 86 - 88. AIL, 2012. ISBN 978-84-937882-5-4

Format: Book



Type of production: Book of extended abstracts of international conference

- 31** L Ponsatí; V Acuña; D von Schiller; I Aristi; M Arroita; A Elosegi; S Sabater. Before and after dams: biofilm changes in structure and function. Extended abstracts, SCARCE 2nd Annual Conference. Integrated modelling and monitoring at different river basin scales. pp. 146. AIL, 2011. ISBN 978-84-937882-4-7

Type of production: Book of extended abstracts of international conference **Format:** Book

- 32** M Arroita; I Aristi; L Flores; JR Díez; A Elosegi. The use of wood sticks to assess stream ecosystem functioning: comparison with leaf breakdown rates. Extended abstracts, SCARCE 2nd Annual Conference. Integrated modelling and monitoring at different river basin scales. pp. 59 - 62. AIL, 2011. ISBN 978-84-937882-4-7

Type of production: Book of extended abstracts of international conference **Format:** Book

Works submitted to national or international conferences

- 1** **Title of the work:** Output of GLOBAQUA WP7 ECOSYSTEM: Incorporating ecosystem functioning into river monitoring and assessment

Name of the conference: GLOBAQUA Managing Water Scarcity in River Basins: Innovation and Sustainable Development

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Agadir, Morocco

Date of event: 04/10/2018

End date: 05/10/2018

A Elosegi; D von Schiller; V Acuña; I Aristi; M Arroita; A Basaguren; A Bellin; L Boyero; A Butturini; A Ginebreda; E Kalogianni; A Larrañaga; B Majone; A Martínez; S Monroy; I Muñoz; M Paunovic; O Pereda; M Petrovic; J Pozo; S Rodríguez-Mozaz; D Rivas; S Sabater; F Sabater; N Skoulikidis; E Smeti; L Solagaistua; L Vardakas.

- 2** **Title of the work:** Changing sources of daily respiration during 20 years of riverine recovery following sewage abatement

Name of the conference: ASLO Aquatic Sciences Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Victoria, Canada

Date of event: 10/06/2018

End date: 15/06/2018

M Arroita; A Elosegi; RO Hall.

- 3** **Title of the work:** Effects of water abstraction on organic matter processing in freshwaters

Name of the conference: Plant Litter Processing in Freshwaters 8

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Bilbao, Spain

Date of event: 17/07/2017

End date: 20/07/2017

M Arroita; L Solagaistua; A Larrañaga; L Flores; O Pereda; I Aristi; JR Díez; A Elosegi.



- 4** **Title of the work:** Macro-scale and local drivers of annual metabolism in streams and rivers
Name of the conference: SFS 2017 Annual Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Raleigh, NC, United States of America
Date of event: 04/06/2017
End date: 08/06/2017
JB Heffernan; P Savoy; EG Stets; AP Appling; ES Bernhardt; J Read; EH Stanley; RO Hall; M Arroita; JC Finlay; N Griffiths; J Harvey; D Lorenz; C Yackulic.
- 5** **Title of the work:** Advances in stream metabolism studies: steps toward a comprehensive, long-term perspective
Name of the conference: ASLO Aquatic Sciences Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Honolulu, Hawaii, United States of America
Date of event: 26/02/2017
End date: 03/03/2017
EG Stets; AP Appling; RO Hall; C Yackulic; ES Bernhardt; EH Stanley; JB Heffernan; J Read; J Harvey; M Arroita; N Griffiths.
- 6** **Title of the work:** Local and macro-scale drivers of annual metabolism in streams and rivers
Name of the conference: ASLO Aquatic Sciences Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Honolulu, Hawaii, United States of America
Date of event: 26/02/2017
End date: 03/03/2017
JB Heffernan; EG Stets; AP Appling; M Arroita; ES Bernhardt; JC Finlay; N Griffiths; RO Hall; J Harvey; D Lorenz; J Read; EH Stanley; C Yackulic.
- 7** **Title of the work:** Deteccion de las ideas del alumnado de secundaria sobre la microbiologia e implementacion de una practica de laboratorio
Name of the conference: 27 Encuentros de Didactica de las Ciencias Experimentales
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Badajoz, Spain
Date of event: 05/09/2016
End date: 09/09/2016
JR Díez; M Iradi; M Arroita.
- 8** **Title of the work:** Hydrological contraction and expansion dynamics drive carbon emissions from a mediterranean fluvial network
Name of the conference: SIL 2016
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Torino, Italy
Date of event: 31/07/2016
End date: 05/08/2016
L Gómez-Gener; B Obrador; D von Schiller; R Marcé; JP Casas-Ruiz; N Catalán; V Acuña; M Koschorreck; L Proia; M Arroita; PA Staehr; S Sabater; I Muñoz.



- 9** **Title of the work:** DOMIPEX - Jóvenes AIL Collaborative Project
Name of the conference: XVIII congreso de la Asociación Ibérica de Limnología
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Tortosa, Spain
Date of event: 04/07/2016
End date: 08/07/2016
N Catalán; A Pastor; M Abril; MI Arce; I Aristi; M Arroita; A Bravo; N de Castro-Català; R del Campo; JP Casas-Ruiz; E Estévez; D Fernández; M Fillol; L Flores; A Freixa; P Giménez-Grau; L Gómez-Gener; AM González-Ferreras; E Hernández del Amo; A Lupon; EJ Martín; A Martínez; S Monroy; J Mora-Gómez; C Palacin-Lizarbe; O Pereda; S Poblador; R Rasines-Ladero; M Reyes; T Rodríguez-Castillo; P Rodríguez-Lozano; C Ruiz; I Senpera-Calbet; L Solagaistua; I Tornero.
- 10** **Title of the work:** Annual metabolism of US streams and rivers
Name of the conference: SFS 2016 Annual Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Sacramento, CA, United States of America
Date of event: 21/05/2016
End date: 26/05/2016
JB Heffernan; AP Appling; M Arroita; ES Bernhardt; N Griffiths; RO Hall; J Harvey; D Lorenz; J Read; EH Stanley; EG Stets; C Yackulic; JC Finlay.
- 11** **Title of the work:** Balancing accuracy and computation time in stream metabolism modeling
Name of the conference: SFS 2016 Annual Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Sacramento, CA, United States of America
Date of event: 21/05/2016
End date: 26/05/2016
AP Appling; RO Hall; C Yackulic; M Arroita.
- 12** **Title of the work:** The GLOBAQUA tool-box to assess river ecosystem functioning
Name of the conference: GLOBAQUA First International Conference; Managing the effects of multiple stressors on aquatic ecosystems under water scarcity
Type of event: Conference
Type of participation: Participatory - poster
City of event: Freising, Germany
Date of event: 11/01/2016
End date: 12/01/2016
D von Schiller; O Pereda; A Larrañaga; M Arroita; J Pozo; L Solagaistua; V Acuña; S Sabater; I Muñoz; F Sabater; A Butturini; A Ginebreda; D Rivas; A Bellin; B Majone; A Sacchi; M Paunovic; N Skoulikidis; E Kalogianni; L Vardakas; A Elozegi.
- 13** **Title of the work:** Estimating Riverine Air-Water Gas Exchange and Metabolism from Long Oxygen Time Series
Name of the conference: 2015 AGU Fall Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: San Francisco, CA, United States of America
Date of event: 14/12/2015
End date: 18/12/2015



RO Hall; AP Appling; M Arroita; C Yackulic.

- 14** **Title of the work:** Synchrony and Divergence in Stream Metabolism across the Continental United States
Name of the conference: 2015 AGU Fall Meeting
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: San Francisco, CA, United States of America
Date of event: 14/12/2015
End date: 18/12/2015
AP Appling; J Read; RO Hall; E Stets; E Stanley; E Bernhardt; J Heffernan; M Arroita; N Griffiths; J Harvey; D Lorenz; L Winslow; C Yackulic.
- 15** **Title of the work:** Errekastoetako emari aldaketek bentoseko materia organikoaren deskonposizio tasan sedimentu barnean baino eragin nabarmenagoa dute
Name of the conference: Natur Zientzien II Topaketa
Type of event: Meeting
Type of participation: 'Participatory - poster
City of event: Donostia - San Sebastián, Saint Barthélemy
Date of event: 28/11/2015
End date: 29/11/2015
City organizing entity: Spain
L Solagaistua; M Arroita; I Aristi; A Larrañaga; A Elozegi.
- 16** **Title of the work:** Ur-detrakzioen eragina ibai-ekosistemen funtzionamenduan
Name of the conference: Natur Zientzien II Topaketa
Type of event: Meeting
Type of participation: 'Participatory - poster
City of event: Donostia - San Sebastián, Spain
Date of event: 28/11/2015
End date: 29/11/2015
M Arroita; L Flores; A Larrañaga; A Martínez; M Martínez; O Pereda; L Solagaistua; A Elozegi.
- 17** **Title of the work:** Carbon uptake in headwater streams: insights from a collaborative experiment
Name of the conference: 9th Symposium for European Freshwater Sciences
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Geneve, Switzerland
Date of event: 05/07/2015
End date: 10/07/2015
A Pastor; C Ruiz; AG Bravo; R Rasines; A Herrero; A Borobia; MI Arce; R del Campo; P Rodríguez-Lozano; N de Castro-Català; I Senpera-Calbet; T Rodríguez; AM González; E Estévez; JP Casas-Ruiz; M Abril; J Subirats; S Compte; R Marcé; I Aristi; L Flores; M Arroita; O Pereda; L Solagaistua; A Martínez; S Monroy; P Giménez-Grau; C Palacin-Lizarbe; EJ Martín; M Reyes; L Gómez-Gener; B Obrador; S Poblador; A Lupon; D Fernández; M Fillol; A Freixa; E Hernández; I Tornero; N Perujo; J Mora; N Catalán.
- 18** **Title of the work:** Channel contraction drives the impacts of water abstraction on stream ecosystem multifunction
Name of the conference: 9th Symposium for European Freshwater Sciences
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Geneve, Switzerland
Date of event: 05/07/2015

End date: 10/07/2015

M Arroita; L Flores; A Larrañaga; A Martínez; M Martínez; O Pereda; L Solagaistua; A Elozegi.

19 Title of the work: The potential of collaborative experiments among young scientists: the DOMIPEX project

Name of the conference: 9th Symposium for European Freshwater Sciences

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Geneve, Switzerland

Date of event: 05/07/2015

End date: 10/07/2015

N Catalán; C Ruiz; AG Bravo; R Rasines; A Herrero; A Borobia; MI Arce; R del Campo; P Rodríguez-Lozano; N de Castro-Català; I Senpera-Calbet; T Rodríguez; AM González; E Estévez; JP Casas-Ruiz; M Abril; J Subirats; S Compte; R Marcé; I Aristi; L Flores; M Arroita; O Pereda; L Solagaistua; A Martínez; S Monroy; P Giménez-Grau; C Palacin-Lizarbe; EJ Martín; M Reyes; L Gómez-Gener; B Obrador; S Poblador; A Lupon; D Fernández; M Fillol; A Freixa; E Hernández; I Tornero; N Perujo; J Mora; A Pastor.

20 Title of the work: Historic changes of river metabolism: understanding pros and cons of different methods to calculate the gas exchange rate

Name of the conference: 2015 ASLO Aquatic Science Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Granada, Spain

Date of event: 22/02/2015

End date: 27/02/2015

M Arroita; RO Hall; A Elozegi.

21 Title of the work: Stress or subsidy? Mixed effects of WWTP effluents on river ecosystem metabolism

Name of the conference: 2015 ASLO Aquatic Science Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Granada, Spain

Date of event: 22/02/2015

End date: 27/02/2015

A Elozegi; I Aristi; M Arroita; L Ponsatí; S Sabater; D von Schiller; V Acuña.

22 Title of the work: Aldaketa klimatikoaren albo-ondorioak: ur-detrakzioen eragina ibai-ekosistemen funtzionamenduan

Name of the conference: Klimagune Workshop 2014 Opportunities and challenges for rural areas in the context of climate change

Type of event: Workshop

Type of participation: Participatory - oral communication

City of event: Bilbao, Spain

Date of event: 04/12/2014

M Arroita; L Flores; JM González; A Larrañaga; A Martínez; M Martínez; O Pereda; L Solagaistua; A Elozegi.

23 Title of the work: Changes in stream discharge affect more benthic than hyporheic breakdown

Name of the conference: SCARCE 5th Annual Conference

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Tarragona, Spain

Date of event: 20/10/2014



End date: 21/10/2014

L Solagaistua; A Larrañaga; I Aristi; M Arroita; L Flores; O Pereda; A Elozegi.

24 Title of the work: Effects of aeration and sediment grain size on invertebrate interactions and litter breakdown

Name of the conference: SCARCE 5th Annual Conference

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Tarragona, Spain

Date of event: 20/10/2014

End date: 21/10/2014

O Pereda; A Larrañaga; I Aristi; M Arroita; L Flores; L Solagaistua; A Elozegi.

25 Title of the work: Impact of dams on biogeochemical processes in Iberian rivers

Name of the conference: SCARCE 5th Annual Conference

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Tarragona, Spain

Date of event: 20/10/2014

End date: 21/10/2014

D von Schiller; L Ponsatí; I Aristi; M Arroita; V Acuña; A Elozegi; S Sabater.

26 Title of the work: Water scarcity in humid-climate streams: a manipulative experiment

Name of the conference: SCARCE 5th Annual Conference

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Tarragona, Spain

Date of event: 20/10/2014

End date: 21/10/2014

A Elozegi; I Aristi; M Arroita; L Flores; JM González; A Larrañaga; M Martínez; A Martínez; O Pereda; L Solagaistua.

27 Title of the work: Changes in stream discharge affect more benthic than hyporheic breakdown

Name of the conference: XVII Congress of the Iberian Association of Limnology

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Santander, Spain

Date of event: 07/07/2014

End date: 11/07/2014

L Solagaistua; A Larrañaga; I Aristi; M Arroita; L Flores; O Pereda; A Elozegi.

28 Title of the work: Efecto de la sequía en los hifomicetos fluviales

Name of the conference: XVII Congress of the Iberian Association of Limnology

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Santander, Spain

Date of event: 07/07/2014

End date: 11/07/2014

M Arroita; E Chauvet; L Flores; D Lambrigt; S Lamothe; A Larrañaga; A Elozegi.



- 29** **Title of the work:** Effects of aeration and sediment grain size on invertebrate interactions and litter breakdown
Name of the conference: XVII Congress of the Iberian Association of Limnology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Santander, Spain
Date of event: 07/07/2014
End date: 11/07/2014
O Pereda; A Larrañaga; I Aristi; M Arroita; L Flores; L Solagaistua; A Elosegi.
- 30** **Title of the work:** Effects of wastewater treatment effluents on the metabolism of a mediterranean river
Name of the conference: XVII Congress of the Iberian Association of Limnology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Santander, Spain
Date of event: 07/07/2014
End date: 11/07/2014
I Aristi; M Arroita; L Ponsatí; S Sabater; D von Schiller; A Elosegi; V Acuña.
- 31** **Title of the work:** Water abstraction and the flux of carbon in river ecosystems: the ABSTRACT project
Name of the conference: XVII Congress of the Iberian Association of Limnology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Santander, Spain
Date of event: 07/07/2014
End date: 11/07/2014
A Elosegi; I Aristi; M Arroita; JR Díez; L Flores; JM González; A Ibisate; A Larrañaga; M Martínez; O Pereda; L Solagaistua.
- 32** **Title of the work:** Effects of drought on stream litter-decaying fungi: a mesocosm experiment
Name of the conference: Joint Aquatic Science Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Portland, OR, United States of America
Date of event: 18/05/2014
End date: 23/05/2014
M Arroita; E Chauvet; L Flores; D Lambrigt; S Lamothe; A Larrañaga; A Elosegi.
- 33** **Title of the work:** Effects of WWTP effluent on the metabolism of a Mediterranean river
Name of the conference: SCARCE 4th Annual Conference
Type of event: Conference
Type of participation: Participatory - poster
City of event: Cádiz, Spain
Date of event: 25/11/2013
End date: 26/11/2013
I Aristi; M Arroita; L Ponsatí; S Sabater; D von Schiller; A Elosegi; V Acuña.
- 34** **Title of the work:** Effects of restoring stream dead wood on reach-scale storage and decomposition of organic matter
Name of the conference: SCARCE 4th Annual Conference
Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Cádiz, Spain

Date of event: 25/11/2013

End date: 26/11/2013

A Larrañaga; L Flores; I Aristi; I Arostegui; M Arroita; JR Díez; A Elosegi.

35 Title of the work: Effects of water abstraction on large river ecosystem metabolism

Name of the conference: SCARCE 4th Annual Conference

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Cádiz, Spain

Date of event: 25/11/2013

End date: 26/11/2013

M Arroita; I Aristi; A Elosegi.

36 Title of the work: Ibaien funtzionamendutik proiektu ezberdinetara: EHUko ibai ekologia taldearen aurkezpena

Name of the conference: Natur Zientzien I Topaketa

Type of event: Meeting

Type of participation: 'Participatory - poster

City of event: Donostia - San Sebastián, Spain

Date of event: 09/11/2013

End date: 10/11/2013

I Aristi; M Arroita; JR Díez; L Flores; A Larrañaga; A Elosegi.

37 Title of the work: Ibaien osasuna, nola neurtu?

Name of the conference: Natur Zientzien I Topaketa

Type of event: Meeting

Type of participation: 'Participatory - poster

City of event: Donostia - San Sebastián, Spain

Date of event: 09/11/2013

End date: 10/11/2013

M Arroita; I Aristi; JR Díez; L Flores; A Larrañaga; A Elosegi.

38 Title of the work: Flow Regulation by Dams in Mediterranean Streams: Biofilm Responses

Name of the conference: 8th Symposium for European Freshwater Sciences

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Münster, Germany

Date of event: 01/07/2013

End date: 05/07/2013

L Ponsatí; V Acuña; D von Schiller; I Aristi; M Arroita; A Elosegi; S Sabater.

39 Title of the work: Flow regulation affects carbon flux in Mediterranean rivers

Name of the conference: 8th Symposium for European Freshwater Sciences

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Münster, Germany

Date of event: 01/07/2013

End date: 05/07/2013

I Aristi; M Arroita; L Ponsatí; D von Schiller; V Acuña; S Sabater; A Elosegi.



- 40** **Title of the work:** Impact of dams on biogeochemical processes in Iberian rivers
Name of the conference: 8th Symposium for European Freshwater Sciences
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Münster, Germany
Date of event: 01/07/2013
End date: 05/07/2013
D von Schiller; V Acuña; I Aristi; M Arroita; A Elosegi; L Ponsatí; S Sabater.
- 41** **Title of the work:** Impacts of diversion hydropower on stream ecosystem functioning: the ABSTRACT project
Name of the conference: 8th Symposium for European Freshwater Sciences
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Münster, Germany
Date of event: 01/07/2013
End date: 05/07/2013
A Elosegi; I Aristi; M Arroita; P Besné; JR Díez; L Flores; A Ibisate; A Larrañaga; M Martínez.
- 42** **Title of the work:** Long-term trends of water quality and metabolism in two contrasting streams
Name of the conference: 8th Symposium for European Freshwater Sciences
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Münster, Germany
Date of event: 01/07/2013
End date: 05/07/2013
M Arroita; A Larrañaga; A Elosegi.
- 43** **Title of the work:** Green energy, red rivers: impacts of diversion hydropower on biodiversity and ecosystem functioning
Name of the conference: SFS 2013 Annual Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Jacksonville, FL, United States of America
Date of event: 19/05/2013
End date: 23/05/2013
A Elosegi; M Arroita; A Ibisate; JR Díez.
- 44** **Title of the work:** Irrigation agriculture accelerates breakdown of organic matter in semi-arid terrestrial and aquatic ecosystems
Name of the conference: SFS 2013 Annual Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Jacksonville, FL, United States of America
Date of event: 19/05/2013
End date: 23/05/2013
M Arroita; J Causapé; FA Comín; JR Díez; JJ Jimenez; J Lacarta; C Lorente; D Merchán; S Muñiz; E Navarro; J Val; A Elosegi.



- 45** **Title of the work:** The effects of hydrological interruptions (water abstraction, reservoirs) on Mediterranean rivers functioning
Name of the conference: 4th International Multidisciplinary Conference on Hydrology and Ecology
Type of event: Conference
Type of participation: Participatory - Plenary session
City of event: Rennes, France
Date of event: 13/05/2013
End date: 16/05/2013
S Sabater; V Acuña; I Aristi; M Arroita; A Elosegi; L Ponsatí; D von Schiller.
- 46** **Title of the work:** Efecto of flow regulation by dams on carbon flux in Mediterranean river ecosystems
Name of the conference: SCARCE 3rd Annual Conference
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Valencia, Spain
Date of event: 26/11/2012
End date: 27/11/2012
I Aristi; M Arroita; L Flores; L Ponsatí; D von Schiller; V Acuña; S Sabater; A Elosegi.
- 47** **Title of the work:** Impact of dams on biogeochemical processes in rivers
Name of the conference: SCARCE 3rd Annual Conference
Type of event: Conference
Type of participation: Participatory - poster
City of event: Valencia, Spain
Date of event: 26/11/2012
End date: 27/11/2012
D von Schiller; V Acuña; I Aristi; M Arroita; A Elosegi; L Ponsatí; S Sabater.
- 48** **Title of the work:** Irrigation agriculture affects functioning of semi-arid terrestrial and aquatic ecosystems
Name of the conference: SCARCE 3rd Annual Conference
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Valencia, Spain
Date of event: 26/11/2012
End date: 27/11/2012
M Arroita; J Causapé; FA Comín; JR Díez; JJ Jimenez; J Lacarta; C Lorente; D Merchán; S Muñiz; E Navarro; J Val; A Elosegi.
- 49** **Title of the work:** Impact of water abstraction on storage and breakdown of coarse organic matter in mountain streams
Name of the conference: HydroPredict 2012
Type of event: Conference
Type of participation: Participatory - poster
City of event: Viena, Austria
Date of event: 24/09/2012
End date: 27/09/2012
M Arroita; I Aristi; L Flores; JR Díez; A Elosegi.
- 50** **Title of the work:** Flow regulation by dams in mediterranean streams: biofilm responses
Name of the conference: TEMPRIV 2012 – International Conference on Temporary Rivers
Type of event: Conference



Type of participation: Participatory - oral communication

City of event: Évora, Portugal

Date of event: 12/09/2012

End date: 14/09/2012

L Ponsatí; V Acuña; D von Schiller; I Aristi; M Arroita; A Elosegi; S Sabater.

51 Title of the work: Efecto de la detracción de agua en la acumulación y descomposición de materia orgánica particulada gruesa

Name of the conference: XVI Congress of the Iberian Association of Limnology

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Guimarães, Portugal

Date of event: 02/07/2012

End date: 06/07/2012

M Arroita; I Aristi; L Flores; JR Díez; A Elosegi.

52 Title of the work: Responses of metabolism to flow regulation by dams in Mediterranean river ecosystems

Name of the conference: XVI Congress of the Iberian Association of Limnology

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Guimarães, Portugal

Date of event: 02/07/2012

End date: 06/07/2012

I Aristi; M Arroita; L Flores; L Ponsatí; D von Schiller; V Acuña; S Sabater; A Elosegi.

53 Title of the work: Effects of wood restoration on reach-scale organic matter processing

Name of the conference: SFS 2012 Annual Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Louisville, KY, United States of America

Date of event: 20/05/2012

End date: 24/05/2012

L Flores; A Larrañaga; I Aristi; M Arroita; JR Díez; A Elosegi.

54 Title of the work: Before and After Dams: Biofilm changes in Structure and Function

Name of the conference: SCARCE 2nd Annual Conference

Type of event: Conference

Type of participation: Participatory - poster

City of event: Madrid, Spain

Date of event: 28/11/2011

End date: 29/11/2011

L Ponsatí; V Acuña; D von Schiller; I Aristi; M Arroita; A Elosegi; S Sabater.

55 Title of the work: The use of wood sticks to assess river ecosystem functioning: comparison with leaf breakdown rates

Name of the conference: SCARCE 2nd Annual Conference

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Madrid, Spain

Date of event: 28/11/2011

End date: 29/11/2011



M Arroita; I Aristi; L Flores; JR Díez; A Elosegi.

56 Title of the work: The use of wood sticks to assess river ecosystem functioning: comparison with leaf breakdown rates

Name of the conference: 7th Symposium for European Freshwater Sciences

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Girona, Spain

Date of event: 27/06/2011

End date: 01/07/2011

M Arroita; I Aristi; L Flores; JR Díez; A Elosegi.

Other dissemination activities

Title of the work: Ibaiak, ura garraiatzen duten kanal soilak baino askoz gehiago

Name of the event: Amarauna

Type of event: Media interviews

Date of event: 06/09/2014

Organising entity: Euskadi Irratia

R&D management and participation in scientific committees

Organization of R&D activities

- 1 Title of the activity:** Natur Zientzien II Topaketa
Type of activity: Meeting
City of event: San Sebastian,
Convening entity: Udako Euskal Unibertsitatea
Type of participation: Organiser
N° assistants: 120
Start-End date: 28/11/2015 - 29/11/2015

Type of entity: Associations and Groups
Duration: 2 days
- 2 Title of the activity:** Natur Zientzien I Topaketa
Type of activity: Meeting
City of event: San Sebastian,
Convening entity: Udako Euskal Unibertsitatea
Type of participation: Organiser
N° assistants: 150
Start-End date: 09/11/2013 - 10/11/2013

Type of entity: Associations and Groups
Duration: 2 days



Evaluation and revision of R&D projects and articles

- 1** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Aquatic Sciences
Type of activity: Review of articles in scientific or technological journals
End date: 08/2018
- 2** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Limnology and Oceanography
Type of activity: Review of articles in scientific or technological journals
End date: 07/2018
- 3** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Limnology and Oceanography: methods
Type of activity: Review of articles in scientific or technological journals
End date: 06/2018
- 4** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Frontiers in Ecology and the Environment
Type of activity: Review of articles in scientific or technological journals
End date: 05/2018
- 5** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Hydrobiologia
Type of activity: Review of articles in scientific or technological journals
End date: 03/2017
- 6** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Hydrobiologia
Type of activity: Review of articles in scientific or technological journals
End date: 05/2016
- 7** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Aquatic Ecology
Type of activity: Review of articles in scientific or technological journals
End date: 03/2015
- 8** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Science of the Total Environment
Type of activity: Review of articles in scientific or technological journals
End date: 03/2015
- 9** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Hydrobiologia
Type of activity: Review of articles in scientific or technological journals
End date: 11/2014



- 10** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Marine and Freshwater Research
Type of activity: Review of articles in scientific or technological journals
End date: 06/2013
- 11** **Performed tasks:** Article revision for scientific journal
Entity where activity was carried out: Air, Soil and Water Research
Type of activity: Review of articles in scientific or technological journals
End date: 05/2013

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Duke University **Type of entity:** University
Faculty, institute or centre: Nicholas School of the Environment
City of entity: Durham, NC, United States of America
Start-End date: 26/02/2014 - 01/06/2019 **Duration:** 3 months - 3 days
Funding entity: Gobierno Vasco **Type of entity:** Government
Goals of the stay: Doctorate
- 2** **Entity:** University of Montana **Type of entity:** University
Faculty, institute or centre: Flathead Lake Biological Station
City of entity: Polson, MT, United States of America
Start-End date: 11/10/2017 - 16/01/2019 **Duration:** 1 year - 3 months - 6 days
Funding entity: Gobierno Vasco **Type of entity:** Government
Goals of the stay: Post-doctoral
- 3** **Entity:** University of Wyoming **Type of entity:** University
City of entity: Laramie, WY, United States of America
Start-End date: 16/02/2017 - 10/10/2017 **Duration:** 7 months - 22 days
Funding entity: Gobierno Vasco **Type of entity:** Government
Goals of the stay: Post-doctoral

Obtained grants and scholarships

- 1** **Name of the grant:** Programa Posdoctoral, de Perfeccionamiento de Personal Investigador Doctor
Aims: Post-doctoral
Awarding entity: Gobierno Vasco **Type of entity:** Government
Conferral date: 23/01/2017 **Duration:** 3 years
End date: 22/01/2020
Entity where activity was carried out: University of Wyoming, University of Montana, University of the Basque Country
- 2** **Name of the grant:** Convocatoria de ayudas para la contratación de doctores recientes hasta su integración en programas de formación postdoctoral
Aims: Post-doctoral
Awarding entity: Universidad del País Vasco **Type of entity:** University



Conferral date: 01/02/2016 **Duration:** 9 months
End date: 31/12/2016
Entity where activity was carried out: Universidad del País Vasco
Faculty, institute or centre: Facultad de Ciencia y Tecnología

3 Name of the grant: Ayuda predoctoral de formación de personal investigador
Aims: Pre-doctoral
Awarding entity: Gobierno Vasco **Type of entity:** Government
Conferral date: 01/01/2012 **Duration:** 4 years
End date: 31/12/2015
Entity where activity was carried out: Universidad del País Vasco
Faculty, institute or centre: Facultad de Ciencia y Tecnología

4 Name of the grant: Beca de movilidad
Aims: Pre-doctoral
Awarding entity: Gobierno Vasco **Type of entity:** Government
Conferral date: 26/02/2014 **Duration:** 3 months - 3 days
End date: 01/06/2014
Entity where activity was carried out: Duke University
Faculty, institute or centre: Nicholas School of the Environment

5 Name of the grant: Beca de colaboración
Aims: Undergrad
Awarding entity: Universidad del País Vasco **Type of entity:** University
Conferral date: 2010
Entity where activity was carried out: Universidad del País Vasco
Faculty, institute or centre: Facultad de Ciencia y Tecnología

Scientific societies and professional associations

1 Name of the society: Asociación Ibérica de Limnología
Start date: 2012

2 Name of the society: Udako Euskal Unibertsitatea
Start date: 2012

3 Name of the society: EuskalNatura
Start date: 2008

Prizes, mentions and distinctions

1 Description: Outstanding student presentation award
Awarding entity: American Society of Limnology and Oceanography
Conferral date: 27/02/2015



- 2** **Description:** Award to the second-best poster presentation
Awarding entity: Symposium for European Freshwater Sciences
Type of entity: Associations and Groups
Conferral date: 01/07/2011

Obtained accreditations/recognitions

- 1** **Description:** Profesor ayudante doctor
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación
Type of entity: Public
Date of recognition: 26/10/2016
- 2** **Description:** Complementos retributivos adicionales tramo C1
Accrediting entity: Universidad del País Vasco
Type of entity: University
Date of recognition: 08/10/2016

Summary of other achievements

- 1** **Description of the achievement:** Participation in the study "Diagnóstico de los ecosistemas ligados a Artikutza"
Accrediting entity: Universidad del País Vasco
Type of entity: University
Conferral date: 2013
- 2** **Description of the achievement:** Participation in the project "Retención de nutrientes en ríos de Gipuzkoa. Estudio del estado actual y de las posibilidades de optimizar la capacidad de autodepuración. Fase 3" as an undergraduate student
Accrediting entity: Diputación Foral de Gipuzkoa
Type of entity: Public
Conferral date: 2011
- 3** **Description of the achievement:** Participation in the project "COMPLEXTREAM. Efecto de la complejidad del cauce sobre las comunidades y el funcionamiento de los ecosistemas fluviales" as an undergraduate student
Accrediting entity: Universidad del País Vasco
Type of entity: University
Conferral date: 2010
- 4** **Description of the achievement:** Participation in the project "Retención de nutrientes en ríos de Gipuzkoa. Estudio del estado actual y de las posibilidades de optimizar la capacidad de autodepuración. Fase 2" as an undergraduate student
Accrediting entity: Diputación Foral de Gipuzkoa
Type of entity: Public
Conferral date: 2010
- 5** **Description of the achievement:** Internship in the Bio-surface Unit and the Bio-functional Nanomaterial Unit of CIC bioMAGUNE
Accrediting entity: CIC bioMAGUNE
Type of entity: R&D Centre
Conferral date: 2008