

Curriculum vitae

Teresa E. Gimeno

1. PERSONAL INFORMATION

- Name, first name: Gimeno Chocarro, Teresa Efigenia
- Date and place of birth: November 27, 1983, Pamplona (Spain)
- Nationality: Spanish (eligible for US residency via spouse)
- Gender: female
- Research ID: C-8770-2011
- ORCID: 0000-0002-1707-9291
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- Working address: Basque Centre for Climate Change (BC3), Sede building 1, 1st Floor, Scientific Campus of the University of the Basque Country, 48940 Leioa, Spain
- Phone: +34 944 014 690 ext. 174
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2. CURRENT POSITION

May 2018-Present Ikerbasque Research fellow (tenure-track), BC3, Leioa, Spain.

3. PREVIOUS POSITIONS

- April 2016-April 2018. Marie S Curie Fellow at the Unité Mixte de Recherche Interactions Sol Plant Atmosphère (UMR ISPA), Institut National de la Recherche Agronomique (INRA), centre de Bordeaux-Aquitaine (France).
- December 2014-March 2016. Université de Bordeaux IdEx Postdoctoral Research Fellow at the UMR ISPA, INRA, centre de Bordeaux-Aquitaine (France).
- February 2012-December 2014. Postdoctoral Research Fellow in Surface Water Hydrology and Ecophysiology of Forest Water Balance at the Hawkesbury Institute for Environment, Western Sydney University (Australia), funded by CSIRO 'Water for a Healthy Country' flagship collaboration.
- March-October 2011. Research Fellow at the University Rey Juan Carlos (Madrid, Spain), funded by Programme REMEDINAL2 (S2009/AMB-1783) of the Autonomous Community of Madrid and the European Social Founding
- January 2007-December 2010 Graduate student at the former Institute of Natural Resources (currently part of the National Museum of Natural Sciences, MNCN) of the Spanish Scientific Council (CSIC).

4. EDUCATION

- February 2011: PhD in Conservation of Natural Resources, University Rey Juan Carlos (URJC, Madrid, Spain), Title: *Ecophysiology, plant-plant interactions and global change in two species of the Mediterranean continental forest*. Supervisors: Profs. Valladares and Escudero. Qualification: *Summa cum Laude* with European mention (Highest mark)
- February 2007 – June 2008 MSc. in Science and environmental technology, University Rey Juan Carlos (Madrid, Spain).
- September 2001 – June 2006. Degree in Biology, University of Navarra (Pamplona, Spain).

5. FELLOWSHIPS AND AWARDS:

- July 2017. Ikerbasque (Basque Foundation for Science) Research Fellow
- February 2015 Marie Sklodowska-Curie, Intra-European Individual Fellowship
- August 2014 (renounced) Senior Postdoctoral fellowship of the Spanish Ministry of Economy
- May 2014. IdEx Université de Bordeaux Post-doctoral Programme
- June 2017. Outstanding PhD award of the academic year 2010-2011 of the Department of Biology and Geology of the University Rey Juan Carlos (Madrid, Spain).
- January 2007 I3P/JAE PhD Scholarship, the Spanish Scientific Council (CSIC)
- September 2006. Introduction to science scholarship for undergraduate students (CSIC)

6. PUBLICATIONS:

Publications				Global metrics		
				Source	h-index	Citations
Total	ISI-indexed ¹	Q1 ²	1 st or 2 nd author	ISI-WoK ¹	17	1133
36	32	32	14	Google Scholar	20	1597

¹Publications indexed by the ISI Web of Knowledge; ²Publications within the first quartile in the field

Table. Citation report for TE Gimeno from ISI-Web of Knowledge and Google Scholar (September, 16th 2020) showing the number of publications and citations (right).

Publications overview: <https://scholar.google.fr/citations?hl=es&user=c6VibSYAAAAA>

6.1. Publications peer-reviewed journals

- Nelson J. P., Pérez-Priego O., Zhou S., Poyatos R., Zhang Y., Blanken P. D., **Gimeno T. E.**, Wohlfahrt G., Desai A. K., Gioli B., Limousin J.-M., Bonal D., Paul-Limoges E., Scott R. L., Varlagin A., Fuchs K., Montagnani L., Wolf S., Delpierre N., Berveiller D., Gharun M., Belelli Marchesini L., Gianelle D., Šigut L., Mammarella I., Siebicke L., Black T. A., Knohl A., Hörtnagl L., Magliulo V., Carvalhais N., Migliavacca M., Reichstein M. & Jung M. 2020 Ecosystem transpiration and evaporation: insights from three water flux partitioning methods across FLUXNET sites. *Global Change Biology* DOI:10.1111/gcb.15314
- Barbeta A., **Gimeno T. E.**, Clavé L., Fréjaville B., Jones S. P., Delvigne C., Wingate L & Ogée J. 2020. An explanation for the isotopic offset between soil and stem water in a temperate tree species. *New Phytologist* 227: 766-779 DOI: 10.1111/nph.16564
- Jian M. et al. (42 authors, **Gimeno T.E.** is 16th) The fate of carbon in a mature forest under carbon dioxide enrichment. *Nature* 580:227-231 DOI: 10.1038/s41586-020-2128-9
- Bastias C.C., Truchado D.A., Valladares F., Bouriaud O., Benavides R., Bruelheide H., Coppi A., Finér L., **Gimeno T.E.**, Jaroszewicz B., Scherer-Lorenzen M., Selvi M. & De la Cruz M. 2020 Species richness influences the spatial structure of European forests. *Oikos* 129:380-390 DOI: 10.1111/oik.06776
- Yang J., Medlyn B.E., De Kauwe M. G., Duursma R.A., Jiang M., Kumarathunge D., Crous K.Y., **Gimeno T. E.**, Wujeska-Klaue A. & Ellsworth D.S. 2020 Low sensitivity of gross primary production to elevated CO₂ in a mature Eucalypt woodland *Biogeosciences* 17:265-279 DOI: 10.5194/bg-17-265-2020
- Yang J., Duursma R.A., De Kauwe M. G., Kumarathunge D., Jiang M., Mahmud K., **Gimeno T.E.**, Crous K. Y., Ellsworth D.S., Peters J., Choat B., Eamus D. & Medlyn B. E. 2019 Incorporating non-stomatal limitation improves the performance of leaf and canopy models at high vapour pressure deficit. *Tree Physiology* 39:1961-1974 DOI: 10.1093/treephys/tpz103
- Gimeno T.E.**, Saavedra N., Ogée J., Medlyn B.E. & Wingate L. 2019 A novel optimisation approach incorporating non-stomatal limitations predicted stomatal behaviour on species from six plant functional types *Journal of Experimental Botany* 70:1639-1651 DOI: 10.1093/jxb/erz020
- Barbeta A., Jones S.P., Clavé L., Wingate L., **Gimeno T.E.**, Fréjaville B., Wohl S. & Ogée J. 2019 Hydrogen isotope fractionation affects the identification and quantification of tree water sources in a riparian forest. *Hydrological and Earth System Sciences*, 23:2129-2146 DOI: 10.5194/hess-2018-402
- Whelan M. E., Lennartz S., **Gimeno T. E.** et al. 2018 Reviews and Syntheses: Carbonyl Sulfide as a Multi-scale Tracer for Carbon and Water Cycles. *Biogeoscience* 15:3625-3657 DOI: 10.5194/bg-15-3625-2018
- Gimeno T. E.**, O'Grady A. P., McVicar T. R., Tissue D. T., Duursma R. A. & Ellsworth D. S. 2018 Ecosystem transpiration offsets plant water savings in a mature water limited woodland under elevated CO₂, *Global Change Biology*, 24:3010-2024 DOI: 10.1111/gcb.14139
- Ellsworth D. S., I. C. Anderson, K. Y. Crous, J. Cooke, J. E. Drake, A. N. Gherlenda, **T. E. Gimeno**, C. A. Macdonald, B. E. Medlyn, J. R. Powell, M. G. Tjoelker & P. B. Reich 2017 Elevated CO₂ does not increase eucalypt forest productivity on a low-phosphorous soil *Nature Climate Change* 7:279-282 DOI: 10.1038/nclimate3235
- Gimeno T. E.**, Ogée J., Royles J., Gibon Y., West J. B., Burlett R., Jones S. P., Sauze J., Wohl S., Griffiths H., Benard C. & Wingate L. 2017 Bryophyte gas-exchange dynamics along varying hydration

status reveal a significant COS sink in the dark and COS source in the light *New Phytologist* 215:965-976 ([Article Highlighted on New Phytologist 215, issue 3, commentary on the same issue by Wohlfahrt, 215:923-925](#)) DOI: 10.1111/nph.14584

- Turnbull M. H., Ogaya R., Barbeta A., Peñuelas J., Zaragoza-Castells J., Atkin O. K., Valladares F., **Gimeno T. E.**, Pías B. & Griffin K. L. 2017 Light inhibition of foliar respiration in response to soil water availability and seasonal changes in temperature in Mediterranean holm oak (*Quercus ilex*) forest. *Functional Plant Biology* 44:1178-1193 DOI: 10.1071/FP17032
- Drake J. E., C. A. Macdonald, Tjoelker M. G., K. Y. Crous, **Gimeno T. E.**, B. K. Singh, P. B. Reich, I. C. Anderson & D. S. Ellsworth 2016 Short-term carbon cycling responses of a mature eucalypt woodland to gradual stepwise enrichment of atmospheric CO₂ concentration *Global Change Biology* 22:380-390 DOI: 10.1111/gcb.13109
- **Gimeno T. E.**, K. Y. Crous, J. Cooke, A. P. O'Grady, A. Osvaldsson & D. S. Ellsworth 2016. Optimal stomatal behaviour is maintained under rising CO₂ and changes in water availability in mature woodland. *Functional Ecology* 5:700-709 DOI: 10.1111/1365-2435.12532
- Duursma R. S., **T. E. Gimeno**, M. M. Boer, K. Y. Crous, M. G. Tjoelker & D. S. Ellsworth 2016 Canopy leaf area of a mature evergreen *Eucalyptus* woodland does not respond to elevated atmospheric [CO₂] but tracks water availability. *Global Change Biology* 22:1666-1667 DOI: 10.1111/gcb.13151
- Medlyn B. E., M. G. De Kauwe M. G., S. Zaehle, A. P. Walker, R. A. Duursma, K. Luus, M. Mishurov, B. Pak, B. Smith, Y.-P. Wang, X. Yang, K. Y. Crous, J. E. Drake, **T. E. Gimeno**, C. A. Macdonald, R. J. Norby, S. A. Power, M. G. Tjoelker & D. S. Ellsworth 2016 Using models to guide experiments: *a priori* predictions for the CO₂ response of a nutrient- and water-limited mature Eucalypt woodland *Global Change Biology* 22:2834-2851 DOI: 10.1111/gcb.13268
- Atkin O.K *et al.* (62 authors, **Gimeno T. E.** is 21st) 2015. Global variability in leaf respiration among plant functional types in relation to climate and leaf traits. *New Phytologist* 206:614-636 ([Highly cited paper on ISI-WoK](#)) DOI: 10.1111/nph.13253
- Lin Y.-S. *et al.* (54 authors, **Gimeno T. E.** is 27th) 2015. Optimal stomatal behaviour around the world: synthesis of a global stomatal conductance database. *Nature Climate Change*. 5:459-464 ([Highly cited paper on ISI-WoK](#)) DOI: 10.1038/NCLIMATE2550
- **Gimeno T. E.**, A. Escudero A & F. Valladares 2015. Nature and intensity of juvenile facilitation by adult trees under climate change scenarios is species specific in Mediterranean woodlands. *Oecologia* 117:159-169 DOI: 10.1007/s00442-014-3115-3
- Granda E, J. J. Camarero, **T. E. Gimeno**, J. Martínez-Fernández & F. Valladares 2013. Intensity and timing of warming and drought differentially affect growth patterns of co-occurring Mediterranean tree species *European Journal of Forest Research*. 132:469-480 DOI: 10.1007/s10342-013-0687-0
- Baeten L. *et al.* (70 authors, **Gimeno T. E.** is 42nd) 2013. A novel comparative research platform designed to determine the functional significance of forest tree diversity in Europe. *Perspectives in Plant Ecology, Evolution and Systematics*. 15:281-291 DOI: 10.1016/j.ppees.2013.07.002
- **Gimeno, T. E.**, B. Pias, J. Martinez-Fernandez, D. L. Quiroga, A. Escudero & F. Valladares. 2012. The decreased competition in expanding vs. mature juniper woodlands is counteracted by adverse climatic effects on growth. *European Journal of Forest Research*. 131:977-987 DOI: 10.1007/s10342-011-0569-2
- **Gimeno, T. E.**, J. J. Camarero, E. Granda, B. Pías & F. Valladares 2012. Carbon gain under harsh conditions is crucial for growth of Spanish juniper under a changing climate. *Tree Physiology* 32:326-336 DOI: 10.1093/treephys/tps011
- **Gimeno, T. E.**, A. Escudero, A. Delgado & F. Valladares 2012. Previous land use alters the effect of climate change and facilitation on expanding woodlands of Spanish juniper. *Ecosystems*. 15:564-579 DOI: 10.1007/s10021-012-9529-z
- Lázaro-Nogal, A., S. Matesanz, **T. E. Gimeno**, A. Escudero & F. Valladares 2012. Fragmentation and drought modulate the strong impact of habitat quality and plant cover on fertility and microbial activity of semiarid gypsum soils. *Plant & Soil*. 358:205-215 DOI: 10.1007/s11104-012-1184-9

- Crous K. Y., J. Zaragoza-Castells., M. Löw, D. S. Ellsworth, D. T. Tissue, M. G. Tjoelker, C. V. M. Barton, **T. E. Gimeno** & O. K. Atkin. 2011. Seasonal acclimation of leaf respiration in *Eucalyptus saligna* trees: impacts of elevated atmospheric CO₂ and summer drought. *Global Change Biology*. 17:1560-1576 DOI: 10.1111/j.1365-2486.2010.02325.x
- Matesanz S., **T. E. Gimeno**, M. de la Cruz, A. Escudero & F. Valladares. 2011. Coexistence with a congener influences the fine-scale spatial genetic structure of a semiarid plant. *Journal of Ecology* 99:838-848 DOI: 10.1111/j.1365-2745.2011.01812.x
- **Gimeno T. E.**, K. E. Sommerville, F. Valladares & O. K. Atkin. 2010. Homeostasis of respiration under drought and its important consequences for carbon balance in a drier climate: insights from two contrasting *Acacia* species. *Functional Plant Biology*. 37:323-333 DOI: 10.1071/FP09228
- Sommerville K. E., **T. E. Gimeno** & Ball M. C. 2010. Primary nerve (vein) density influences spatial heterogeneity of photosynthetic response to drought in two *Acacia* species. *Functional Plant Biology*. 37:840-848 DOI: 10.1071/FP10062
- Pías, B., S. Matesanz, A. Herrero, **T. E. Gimeno**, F. Valladares & A. Escudero. 2010. Transgenerational effects of three global change drivers on an endemic Mediterranean plant. *Oikos*. 119:1435-1444 DOI: 10.1111/j.1600-0706.2010.18232.x
- **Gimeno, T. E.**, B. Pías, J. P. Lemos-filho & F. Valladares 2009. Plasticity and stress tolerance override local adaptation in the responses of Mediterranean Holm oak seedlings to drought and cold. *Tree Physiology*. 29:87-98 DOI: 10.1093/treephys/tpn007
- Rincón, A., F. Valladares, **T. E. Gimeno** & J. J. Pueyo 2008. Water stress responses of two Mediterranean tree species influenced by native soil microorganisms and inoculation with a plant growth promoting rhizobacterium. *Tree Physiology*. 28:1693-1701 DOI: 10.1093/treephys/28.11.1693

6.2. Publications under review and in preparation

- Mu M., De Kauwe M. G., Ukkola A. M., Pitman A. J., **Gimeno T. E.**, Medlyn B. E., Or D., Yang J. & Ellsworth D. S. 2020 Evaluating a land surface model at a water-limited site: implications for land surface contributions to droughts and heatwaves. *Hydrological Earth System Sciences Discussion*. <https://doi.org/10.5194/hess-2020-339>
- **Gimeno T. E.**, Campany C. E., Drake J. E., Barton C. V. M., Tjoelker M. G. & Marshall J. D. 2020 Water use efficiency estimates from phloem carbon isotopic composition correlate with whole-tree gas exchange after correcting for limited internal diffusion. Under review in *New Phytologist*
- **Gimeno T. E.**, Zsofia R. Stangl, Adrià Barbeta, Noelia Saavedra, José Ignacio García-Plazaola, Lisa Wingate, Nicolas Devert, John D. Marshall. Water taken up through the bark contributes to the transpiration stream in intact tall branches. To be submitted to *Plant, Cell & Environment* in January 2021

6.3. Other scientific publications

- Poyatos et al. (163 authors, **Gimeno T. E.** is 54th). 2020. Global transpiration data from sap flow measurements: the SAPFLUXNET database. *Earth Systems Sciences data*
- Valladares F., S. Matesanz, O. Godoy, **T. E. Gimeno**, E. Granda. *Impactos del cambio climático en los ecosistemas mediterráneos*, en Canvi Ambiental Global. Una perspectiva multiescalar. C. Barriocanal, D. Varga, J. Vila (Eds.). (2009). Documenta Universitaria, Girona, España.

7. TEACHING AND SUPERVISION

- October 2015-Present Lecturer of MSc. Experimental Unit on C-cycle processes on 'Modélisation du fonctionnement de peuplements végétaux' (Université Bordeaux, France)
- June-September 2020 Principal Supervisor of Mr. Javier de la Casa MSc. Thesis (Universidad de Alcalá de Henares, Spain).
- November 2017-Present, PhD co-supervisor of Ms. Noelia Saavedra, Swedish Agricultural University, expected defence date: November 2020
- March-September 2018, co-supervisor of Ms. Laura Clavé MSc. Research project (Université

- de Tours, France).
- January-June 2017 Principal Supervisor of Ms. Elise Likiliki MSc. Research project (Université de Bordeaux, France)
- June 2016 International jury member at the PhD defence of Ms. Agustina Ventre, Universidad de Alcalá de Henares (Madrid, Spain)
- June 2016 Panel member for MSc. Theses of Master Sciences de la Terre, Ecologie, Environnement (Spécialité Biodiversité et Ecosystèmes Continentaux, Parcours Fonctionnement des écosystèmes terrestres), Université de Bordeaux, France
- January 2015 & 2016 Lecturer of TREESYLVE module, Degree in Engineering School of Bordeaux Science Agro (Gradignan, France)
- January-June 2016 Co-supervisor of Mr. Yann Cochet MSc. Research project (Université de Bordeaux-INRA, France)
- June 2015 Demonstrator of 'Module Ecophysiologie', MSc. of the Earth and the Environment (Bordeaux Science Agro, Gradignan, France)
- May-November 2015 Principal Supervisor of Ms. Noelia Saavedra MSc. Research project (URJC-INRA, Móstoles, Madrid).
- January 2014 Principal Supervisor of Mr Adam Webeck Summer Scholarship (Western Sydney University, Australia).
- January-June 2014 Demonstrator for 'Biodiversity', BSc. (Western Sydney University, Richmond, Australia)
- September 2010 Co-supervisor of Ms. Ana Lázaro-Nogal MSc. Thesis, (Universidad de Alcalá de Henares, Madrid, Spain)
- February 2008 Field assistant lecturer BSc. students (URJC, Móstoles, Spain)

8. LEADING AND PARTICIPATION IN RESEARCH PROJECTS

- June 2020-2022. Reconciling water-use efficiency estimates across scales under future climate change scenarios using PHLIscO carbon ISotopic COmposition (PHLISCO). Programa Estatal de I+D de Generación de Conocimiento. (PID2019-105179GA-I00, 59k EUR). PI: Teresa E. Gimeno
- October 2019-2021. Evaluando el papel de la diversidad del suelo en el mantenimiento de la funcionalidad de los hayedos en un escenario de cambio climático. Proyectos de Investigación Básica y Aplicada del Gobierno Vasco (PIBA2019-105, 50k EUR). PI: Teresa E. Gimeno
- January-December 2019. Los árboles absorben agua por las raíces, ¿solo? Una nueva aplicación de los isótopos estables del agua para evaluar la importancia de la absorción a través de la corteza en períodos fríos y de sequía. Becas de la Asociación Española de Ecología Terrestre (AEET) a proyectos de investigación liderados por jóvenes investigadores (modalidad: consolidando la investigación, 3k EUR). PI: Teresa E. Gimeno
- January-September 2018. Disentangling transpiratory and soil matric effects on the isotopic fractionation during plant water uptake. Initiative EC2CO coordinated by the French CNRS. PI: A. Barbeta.
- December 2014-March 2018 Unveiling stomata 24/7: using stable isotopes and COS to quantify diurnal and nocturnal carbon and water vegetation-atmosphere fluxes under future climate scenarios (USIFlux). EU H2020 (Marie Curie actions) & IdEx programme of the Université de Bordeaux (France, 173k EUR). PI: Teresa E. Gimeno
- February 2012-February 2015. What will be the hydrological consequences of elevated CO₂? An experimental test of the impacts of elevated CO₂ on evapotranspiration in a mature Australian woodland. CSIRO Flagship collaboration fund. PI: D. Ellsworth
- March 2011 – September 2011. Functional significance of forest diversity in Europe (FunDivEurope). PI: M. Scherer-Lorenzen
- July 2008 – December 2010. Spanish woodlands and global change: threats and opportunities (MONTES, CSD2008-00040). PI: J. Retana
- January 2010 – December 2011. Ecological Restoration Programme of the Autonomous Community of Madrid (REMEDINAL-2, S2009/AMB-1783). PI: F. Valladares

- January 2008 – December 2010. Ecological processes limiting the response capacity of Mediterranean Woody species to global change (ECOCLIM, CGL 2007 66066-CO4-02/BOS). PI: F. Valladares
- Jan-October 2007. Caracterización del tamaño, estructura espacial y demografía de los sabinares del parque natural del Alto Tajo. (Junta de Castilla la Mancha, Spain). PI: B. Pías
- October 2006- October 2008. Impacts of climate on the carbon-cycle in a dryland ecosystem (NER/A/S/2001/01186, UK). PI: O.K. Atkin

9. CONFERENCE CONTRIBUTIONS AND INVITED TALKS:

9.1. Chair of oral session:

- Predicting the response of carbon, nutrient and water cycles to global change where theory, data and models meet. 1st Meeting of the Iberian Ecological Society, Barcelona, Spain, February 2019
- Terrestrial ecosystem responses to global change: integrating carbon, nutrient, and water cycles in experiments and models at European Geoscience Union (EGU) general assembly, Vienna, Austria, April 2016, 2017, 2018, 2019 & 2020* (*OpenEGU online meeting due to Covid-19)
- Forest Ecology II at the 11th INTECOL Congress, London, UK, August 2013

9.2. Invited talks and seminars:

- July 2021 Invited speaker at the European Geosciences Union Galileo Conference on Water Partitioning and Plant-Soil Interactions in Forested and Agricultural Catchments. Hannover (Germany)
- February 2018 Invited Seminar *Using models to guide ecophysiological experiments: two examples across scales*, Department of Forest Ecology & Management, Swedish Agricultural University, Umeå (Sweden)
- December 2017 Invited Seminar *Vegetation coupling of carbon uptake and transpiration under a global change scenario: a cross-scale approach*, Basque Centre for Climate Change, Leioa (Spain)
- March 2016 Invited seminar *Investigating the impact of light and water on COS exchange in bryophytes*, UMR BIOGECO, INRA-Bordeaux (France)
- February 2016 Invited lecture *Tracking water use and carbon uptake in a global change scenario: bridging scales and approaches* (Department of Environment, Earth and Ecosystems, The Open University, Milton Keynes, UK)
- February 2013 Invited lecture *Impacts of global change in water-limited ecosystems* (Western Sydney University, Richmond, Australia)

9.3. Oral contributions:

- **Gimeno T. E.**, N. Saavedra, A. Barbeta, Z. R. Stangl, J.-I. García-Plazaola, L. Wingate, J. D. Marshall. Revealing the bark water uptake of isotopically-enriched water by intact branches in the field and its potential contribution (or consequences) to (or for) transpiration estimates. EGU Virtual General Assembly, May 2020
- **Gimeno T.E.**, Campy C. E., Barton C.V.M. & Marshall J.D. Whole-tree mesophyll conductance does not respond to elevated temperature EGU General Assembly, Vienna, Austria April 2019
- **Gimeno T.E.**, Barbeta A., Clavé L., Delvigne C., Wingate L. & Ogée J. Disentangling above and belowground drivers of stomatal response to drought stress on a temperate deciduous tree. 1st SIBECOL meeting, Barcelona, Spain, February 2019.
- Barbeta A., **Gimeno T.E.**, Clavé L., Jones S.P., Wingate L., Fréjaville B. & Ogée J. Fractionation of $\delta^2\text{H}$ during root water uptake is linked to plant transpiration in saplings of a temperate tree species. American Geosciences Union General Assembly, Washington DC, US, December 2018.
- **Gimeno T.E.**, Saavedra N., Ogée J., Medlyn B.E. & Wingate L. Testing for non-stomatal limitations to optimisation behaviour under drought on contrasting plant functional types, EGU General Assembly, Vienna, Austria April 2018
- **Gimeno T. E.**, Ogée J. & Wingate L. 2017 Estimating the contribution of bryophytes to the atmospheric COS budget, EGU General Assembly, Vienna, Austria, April 2017 (PICO)

- **Gimeno T. E.**, Ogée J., Royles J., Gibon Y., West J. B., Burlett R., Jones S. P., Sauze J., Wohl S., Griffiths H., Benard C. & Wingate L. 2016 The unexpected contribution of bryophytes to the COS budget, MEDECOS-AEET meeting, Seville, Spain, February 2017
- **Gimeno T. E.**, Royles J., Ogée J., Jones S., Burlett R., West J., Sauze J., Wohl S., Genty B., Griffiths H., Wingate L. (2016) *Bryophyte gas-exchange dynamics along varying hydration status reveal significant COS emission in the light* The Biosphere-Atmosphere Exchange and Global Budget of Carbonyl Sulfide, Hyytiälä, Finland, September 2016
- **Gimeno T. E.**, O'Grady A. P., McVicar T. R., Tissue D. T., Duursma R. A. & Ellsworth D. S. *Rising atmospheric CO₂ decreases the rate of deep soil water use in a water-limited mature woodland* Xylem International Meeting, Bordeaux, France, September 2015
- **Gimeno T. E.**, Crous K. Y., Cooke J., O'Grady A. P. & Ellsworth D. S. *Elevated CO₂ in an Australian woodland (EucFACE): impact of contrasting water availability on carbon uptake and water use in a nutrient-limited ecosystem*. 5th Joint Conference of the New Zealand Ecological Society and the Ecological Society of Australia. Auckland, New Zealand, November 2013.
- **Gimeno T. E.**, Cooke J., Crous K. Y., O'Grady A. P., Tissue D., McVicar T., & Ellsworth D. Water savings and soil moisture in elevated CO₂ in an Australian woodland, EucFACE. Hawkesbury Institute for the Environment EucFACE Symposium. Richmond, Australia, November 2013
- **Gimeno T. E.**, Crous K. Y., O'Grady A. P., Osvaldsson A. & Ellsworth D. S. *Elevated CO₂ in an Australian woodland (EucFACE): water savings and modelled optimal stomatal behaviour in a water-limited ecosystem*. 11th INTECOL Congress, London, UK, August 2013.
- Ellsworth D. S., **Gimeno T. E.**, Cooke J., Tjoelker M. G. & Crous K. Y., *Elevated CO₂ in an Australian woodland (EucFACE): What is the threshold response of photosynthesis to CO₂ fertilisation for a mature sclerophyll forest?* 11th INTECOL Congress, London, UK, August 2013.
- **Gimeno T. E.** *What will be the hydrological consequences of elevated CO₂ on a native Australian woodland?* Joint PIAR-Western Sydney University, Hawkesbury Institute Workshop 'The FACES of Climate Change Adaptation in an Australian native ecosystem "Forecasting" the elevated CO₂ response' Leura, NSW, June 2013
- **Gimeno T. E.**, O'Grady A.P., Tissue D.T., McVicar T.R. & Ellsworth D.S. *An Experimental test of the impacts of elevated CO₂ on the water balance of an Australian Woodland; EucFACE*. Forest and Water Availability Workshop, CSIRO, Melbourne, Vic, Australia, November 2012
- **Gimeno T. E.**, Escudero A. & Valladares F. *Ecofisiología, interacciones planta-planta y cambio global en dos árboles del Mediterráneo continental*. I Coloquio de Ecofisiología, Espejo, Spain, April 2011
- **Gimeno, T. E.**, Valladares, F., Escudero A. La recolonización de bosque mediterráneo continental bajo un escenario de cambio global. IX Congreso de la Asociación Española de Ecología Terrestre. Úbeda (Jaén), Spain, October 2009
- **Gimeno T. E.**, B. Pías, F. Valladares and A. Escudero. Genetic structure, growth rates and ecophysiology of *Juniperus thurifera* L. populations from recolonized agricultural landscapes and old woodlands under a global change scenario. International Workshop: 'Population, Quantitative and Comparative Genomics of Adaptation in Forest Trees' Centro di Ecologia Alpina, Monte Bondone, (in collaboration with the University of California, Davis, Department of Plant Sciences), Trento, Italy, August 2008

9.4. Posters:

- **Gimeno T.E.**, Saavedra N., Ogée J., Medlyn B.E. & Wingate L. *Testing for non-stomatal limitations to optimisation behaviour under drought on contrasting plant functional types*, From the deep past to the Anthropocene: coupling Earth system function to climatic change (INRA-Symposium), Bordeaux, France, March 2018
- **Gimeno T. E.**, Royles J., Ogée J., Jones S., Burlett R., West J., Sauze J., Wohl S., Genty B., Griffiths H., Wingate L. (2016) *Bryophyte gas-exchange dynamics along varying hydration status reveal significant COS emission in the light* 17th International Congress on Photosynthesis Research, Maastricht, The Netherlands, August, 2016
- **Gimeno T. E.**, Royles J., Ogée J., Jones S., Burlett R., West J., Sauze J., Wohl S., Genty B., Griffiths H., Wingate L. (2016) *Investigating the impact of light and water status on the exchange of COS, ¹³CO₂*,

CO¹⁸O and H₂¹⁸O from bryophytes European Geoscience Union (EGU) General Assembly, Vienna, Austria, April 2016

- **Gimeno T. E.**, Ogée J., Bosc A., Genty B., Wohl S. R., Wingate L. *Unveiling stomata 24/7: can we use carbonyl sulfide (COS) and oxygen isotopes (¹⁸O) to constrain estimates of nocturnal transpiration across different evolutionary plant forms?* EGU General Assembly, Vienna, Austria, April 2015
- **Gimeno T. E.**, O'Grady A. P., McVicar T. R., Tissue D. T. & Ellsworth D. S. *Water savings under elevated CO₂ in a native Australian eucalyptus woodland: early insights from the EucFACE experiment.* EGU General Assembly, Vienna, Austria, April 2014
- **Gimeno T. E.**, A. Escudero, A. Delgado and F. Valladares. Establishment of *Juniperus thurifera* in Mediterranean global change scenarios: good prospects under future climate, but strong influence of previous land use. British Ecological Society Annual Symposium 2011. Cambridge, UK, March 2011
- **Gimeno T. E.**, E. Granda, B. Pías, J. J. Camarero and F. Valladares Against all odds: high resilience to a warmer climate of Spanish Juniper irrespective of tree age and gender. XVII Congress Federation of European Societies of Plant Biology. Valencia, Spain, July 2010
- **Gimeno T. E.**, B. Pías, J. P. Lemos-filho and F. Valladares. No evidence in thermal and drought responses of Holm-oak seedlings from six contrasting populations. EURECO-GFÖ. Leipzig, Germany, September 2008
- Pías B., S.Matesanz, A.Herrero, **T.E. Gimeno**, F. Valladares, A.Escudero. Transgenerational effects of global change on early fitness components and offspring performance of an endemic Mediterranean gypsophile. EURECO-GFÖ. Leipzig, Germany, September 2008.
- Pías, B., S. Matesanz, A. Herrero, **T. E. Gimeno**, F. Valladares, A. Escudero. Cambio global y fitness en el caméfito gipsícola endémico *Centaurea hyssopifolia*: de la semilla al juvenil. X Congreso Sociedad Hispano-Lusa de Fisiología vegetal. Alcalá, Spain, September 2007

10. OUTREACH AND SCIENCE COMMUNICATION

- March 2019 & 2020. BC3 Training caravan (1 h seminar High Schools, Bizkaia, Spain)
- September-December 2019. Participant as mentor of the Insipa STEAM programme of the Deusto University (8 h training sessions at middle school for promoting scientific vocations among girls, Bizkaia, Spain)

11. EDITORIAL AND REFEREE ACTIVITIES

- Evaluator member of the Spanish State Research Agency (Agencia Estatal de Investigación).
- Reviewer of ISI-Indexed journals: *Annals of Botany* (2020); *Science of the Total Environment* (2016, 2020); *Environmental and Experimental Botany* (2020), *Plant Physiology and Biochemistry* (2020), *Nature Communications* (2019); *Tree Physiology* (2019, 2014, 2015); *Journal of Hydrology* (2019, 2017), *Agricultural and Forest Meteorology* (2019, 2018); *Journal of Experimental Botany* (2019, 2018); *Frontiers in Forests and Global Change* (2019, 2018); *Oikos* (2019); *Functional Ecology* (2016-2018, 2014); *Trees* (2018); *Biogeosciences* (2018, 2017), *Frontiers in Plant Science* (2019, 2018, 2015); *Functional Plant Biology* (2018); *Flora* (2018); *Forest, Ecology and Management* (2017, 2013); *Journal of Plant Ecology* (2017); *PLoS-One* (2016); *Journal of Arid Environments* (2016); *Acta Oecologica* (2015); *Ecosistemas* (2015); *Oecologia* (2014); *Journal of Vegetation Science* (2014); *New Forests* (2014, 2012); *Forests* (2014); *Plant Ecology & Diversity* (2014); *European Journal of Forest Research* (2014); *New Phytologist* (2012); *Forestry* (2011); *Australian Journal of Botany* (2011); *Annals of Forest Science* (2010); *Anales de Botánica* (non-indexed, 2010)
- Guest editor: *Frontiers in Forest and Global Change* (special issue on 'Drought-induced Forest and Tree Mortality', 2020) and *Forests* (special issue on 'Water Use Efficiency', 2020)
- External evaluator of scientific projects: research projects of the Chilean Antarctic Institute (INACH, July 2018), PSC Mercator –PhD fellowships: Bridging Plant Science and Society (Zurich-Basel Plant Science Center, Switzerland, 2016), Spanish Ecological Society awards to young researchers (2013), Hungarian Scientific Research Fund (OTKA, 2011)

12. ADDITIONAL RESEARCH EXPERIENCE ABROAD

- May - September 2018. Invited research stage at the Institute National de la Recherche Agronomique in Bordeaux (INRA-Bordeaux Aquitaine). Host: Jérôme Ogée
- June 2010 – September 2010. Short stage awarded by the I3P-CSIC programme at INRA-Nancy, France. Supervisor: Dr. Erwyn Dreyer
- July 2009 – September 2009. Short stage awarded by the I3P-CSIC programme at the Centre d'Études de la Forêt (CEF), Université du Québec à Montréal (UQÀM), Montréal, Canada. Supervisor: Prof. Christian Messier
- September 2008 – December 2008. Short stage awarded by the I3P-CSIC programme at the Research School of Biological Sciences, Australian National University, Canberra, Australia. Supervisor: Prof. Owen K. Atkin

13. CONFERENCES AND WORKSHOPS

- May 2020, European Geoscience Union Virtual General Assembly, Vienna, Austria
- April 2019, IX Coloquio de primavera sobre Ecofisiología Forestal, Tenerife, Spain
- April 2019, European Geoscience Union General Assembly, Vienna, Austria
- February 2019, 1st Meeting of the Iberian Ecological Society, Barcelona, Spain
- European Geoscience Union General Assembly, Vienna, Austria, April 2018
- March 2018, I Symposium "From the deep past to the Anthropocene: coupling Earth system function to climatic change", INRA-Bordeaux, France
- III Xylem International Meeting, Bordeaux, France, September 2017
- April 2017, European Geoscience Union General Assembly, Vienna, Austria
- September 2016 The Biosphere-Atmosphere Exchange and Global Budget of Carbonyl Sulfide, Hyytiälä, Finland, September 2016
- August 2016 17th International Congress on Photosynthesis Research, Maastricht, The Netherlands
- April 2016 European Geosciences Union General Assembly Vienna, Austria
- September 2015 Xylem International Meeting, Bordeaux, France
- April 2015 European Geosciences Union General Assembly Vienna, Austria
- April 2014 European Geosciences Union General Assembly Vienna, Austria
- November 2013. 5th Joint Conference of the New Zealand Ecological Society and the Ecological Society of Australia. Auckland, New Zealand
- August 2013. 11th International Congress, London, UK
- June 2013. Joint PIARN – Western Sydney University, Hawkesbury Institute Modelling Workshop. 'Forecasting the elevated CO₂ response'. Leura, Australia.
- February 2013. Stable Isotopes in Biosphere Systems, Cobbity, NSW, Australia
- November 2012. Forest and Water Workshop, Melbourne, Australia
- September 2012. Data analysis and Visualization with R. Hawkesbury Institute for the Environment, Western Sydney University, Australia
- September 2011. 12th European Ecological Federation Congress. Ávila, Spain.
- April 2011. 1^{er} Coloquio de Ecofisiología de Primavera, Universidad del País Vasco, Espejo, Spain
- March 2011. British Ecological Society Annual Symposium 2011: Forest and Global Change. University of Cambridge, Cambridge, UK.
- July 2010. XVII Congress Federation of European Societies of Plant Biology. Valencia, Spain
- October 2009. IX Congreso de la Asociación Española de Ecología Terrestre. Úbeda (Spain)
- February 2009. Taller de técnicas básica en dendroecología, de la AEET. Universidad de Valladolid, Soria, Spain.
- September 2008. 11th EURECO Biodiversity in an ecosystem context. Leipzig, Germany
- August 2008: International workshop: 'Population, Quantitative and Comparative Genomics of Adaptation in Forest Trees' Centro di Ecologia Alpina, Monte Bondone, (in collaboration with the University of California, Davis, Department of Plant Sciences), Trento, Italy.

- May 2008. Introducción a R. Escuela técnica de ingenieros agrónomos de la Universidad Complutense de Madrid. (REMEDINAL). Madrid, Spain.
- November 2007. Ecología espacial. Universidad Autónoma de Madrid. Madrid, Spain
- September 2007. X Reunión de la Sociedad Hispano-Lusa de Fisiología Vegetal. Universidad de Alcalá de Henares, Madrid, Spain
- March 2007. The evolutionary genetics of dispersal, by Prof. Kathleen Donohue. Universidad Complutense (REMEDINAL). Madrid, Spain

14. MEMEBERSHIP OF SCIENTIFIC SOCIETIES

- Spanish Association of Terrestrial Ecology (AEET, since June 2008)
- European Geosciences Union (EGU, since March 2014)