

# Olazabal, Marta

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## Short Bio

I am a Research Fellow at the Basque Centre for Climate Change (BC3). I have a background on Environmental Engineering (Bsc 2004, MSc 2009, School of Engineering of Bilbao) and a PhD on Land Economy (University of Cambridge, 2015). I worked 8 years in the Basque technology centre Tecnalia and decided to start a path more focused on science in 2012, when I moved to the international research institution BC3. I am currently Head of the Adaptation Research Group at BC3. I am genuinely interested in urban sustainability and climate change governance, in transdisciplinary systems thinking and in approaches that bridge science and policy. I have undertaken international scientific stays in Germany (IÖR, Dresden - 2005), The Netherlands (IVAM, Amsterdam - 2006), United Kingdom (University of Newcastle – 2010, Univ. Southampton – 2018), Canada (McGill University - 2016) and Portugal (Universidade Nova, CENSE, May 2019). In 2011, I co-founded and chaired the Urban Resilience Researchers Network (URNNet) from 2011 to 2019 which now groups more than 300 members. Thanks to an interdisciplinary background, my current social science focus benefits from a fresh technical perspective. Applying both quantitative and qualitative methods, my current interests relate to climate change policies, climate adaptation planning, knowledge co-production and concepts and methods to assess urban resilience and sustainability.

## Key information

- **Research Fellow, Head of the Adaptation Research Group (Adaptation LAB). Basque Centre for Climate Change, BC3.**
- **UN IPCC Expert Reviewer and Contributing Author of Chapter 6 (Urban areas) of the WGII (Impacts, vulnerability and adaptation) of AR6.** Topic: "Monitoring and Evaluation of adaptation".
- **H index 13.** i10-index 17. 1068 total citations (March 5<sup>th</sup>, 2020, [Google Scholar](#)).
- **17 published peer-reviewed articles** in a total of 51 publications (inc. policy briefs, working papers and books).
- **56 contributions to scientific international and national conferences.**
- **2015 – PhD on Land Economy. University of Cambridge (UK).** Topic: "Sustainable Urban Development in times of Climate Change and Resource Scarcity". Oral exam held in June 2014. Awarded May 2015. Available [here](#).
- **2009 - MSc on Environmental Engineering UPV-EHU - School of Engineering, Bilbao, (Basque Country)**
- **2004 - BSc on Chemical Engineering. UPV-EHU - School of Engineering, Bilbao (Basque Country)**

## Awards (11)

- **2019** Jose Maria Sarriegi Catastrophe Award 2019 granted by the Catastrophe Observatory of Fundación Aon España for the co-authored study Reckien et al. 2018. Granted: 1000 €.
- **2018-2020** AXA Research Fund Post-Doctoral Fellowship (2017 second campaign) (Id. 4771) –September 2018 – September 2020. Granted: 130,000 €.  
Juan de la Cierva Incorporación. Post-doctoral fellowship awarded by the Spanish Ministry of Economy and Competitiveness (MINECO) (IJCI-2016-28835). March 2018 – March 2020. Granted 70000 €.
- **2017** COST Training School Grant. Barcelona Intrepid Training School – on Inter and Transdisciplinary Urban Research (13-16 February 2017). Awarded by the European Cooperation in Science and Technology (European Commission). Granted 745 €.
- **2015** NIES funding to attend *Workshop on Tools and Indicators for Assessing Urban Resilience*. December 7-10, 2015. Ito International Research Center, The University of Tokyo. Granted 2000€.
- **2015-2017** Post-doctoral fellowship awarded by the Spanish Ministry of Economy and Competitiveness (MINECO) (FPDI-2013-16631) Granted 58000 €.

- 2012** COST Early Stage Researchers Conference Grant to attend 12th Biennial Conference of the International Society for Ecological Economics ISEE 2012: ECOLOGICAL ECONOMICS AND RIO +20. Awarded by the European Cooperation in Science and Technology (European Commission) Granted 2800 €.
- 2008** European Affairs Scholarship. Awarded by Biscay Regional Body (Basque Country). Granted 11000 €.
- 2004–2006** Abroad Training Scholarship. Awarded by Biscay Regional Body (Basque Country). Granted 21600 €.
- 2003–2004** Research-Assistant Scholarship. Dep. of Chemical Engineering and Environment, School of Engineering, University of the Basque Country (UPV-EHU, Bilbao). Awarded by Basque Government. Granted 2500€.
- 1999** Honour Awards in Secondary School. Awarded by Basque Government. Granted 1st annual university tuition fees waived.

## History

- 2018 - ...** **CURRENT POSITION.**  
**Research Fellow** (AXA Postdoctoral fellow and Juan de la Cierva Postdoctoral Fellow)  
**Head of the Adaptation Research Group (Research Line: Adaptation Lab)**  
**BC3 Basque Centre for Climate Change Research** (Spain)  
 Research focus: urban planning and policy, climate adaptation progress evaluation, climate policy and governance.
- 2015 – 18** **BC3 Basque Centre for Climate Change Research** (Spain) Juan de la Cierva Post-Doctoral Fellow  
 Research focus: systems thinking in climate change adaptation; climate change adaptation tracking.
- 2014 –15** **BC3 Basque Centre for Climate Change Research** (Spain) EU project BASE Post-doctoral Fellow  
 Research focus: urban mitigation and adaptation to climate change, urban ecosystem-based adaptation, urban resilience and transition management. Participatory approaches in CC adaptation.
- 2012 –14** **BC3 Basque Centre for Climate Change Research** (Spain) Researcher / PhD student  
 Finalization of thesis research. Research focus: urban sustainability and resilience throughout processes of adaptation and transformability towards decarbonisation. Urban ecosystem services and its implications for human well-being. Local transitions to low carbon economies and the cognitive dimension of decision-making.
- 2004 –12** **TECNALIA Research & Innovation. Unit of Environment** (Spain). Researcher / Project Leader  
 Research focus: Sustainable Spatial Management, Urban Metabolism Analysis, Sustainable and Strategic Environmental Impact Assessment of plans and programmes. Urban adaptive capacity and vulnerability to Climate Change.
- 2003 - 2004** **School of Engineering. Dep. of Chemical Eng. and Environment UPV-EHU.** Research-Assistant.  
 Research focus: Atmospheric Pollution: Characterization of Volatile Organic Compounds (VOCs) in rural and urban areas (BSc Final Dissertation)

## International scientific stays (6)

- 2019** **Universidade Nova de Lisboa (FCT NOVA).** Faculdade de Ciências e Tecnologia. CENSE, Centre for environmental and sustainability Research (Lisboa, Portugal). Host researchers: Sofia Simoes and Josep Ferreira. Objective: development of a case study in Portuguese cities in the context of the project CLIC (<http://clic.bc3research.org/>)
- 2018** **University of Southampton, Department of Geography and Environmental Science** (Southampton, United Kingdom). Host researcher: Prof. Emma Tompkins. Professor of Geography, Environment and Development. Topic: Documenting adaptation
- 2016** **McGill University, Department of Geography. Climate Change Adaptation Lab** (Montreal, Canada). Host researcher: Dr. James Ford. Research area: adaptation tracking across world urban areas.
- 2010** **University of Newcastle upon Tyne (Tyndall Centre). School of Civil Engineering & Geosciences** (Newcastle, UK). Host researcher: Prof. Richard Dawson. Research areas: development of a small-scale urban vulnerability assessment methodology and definition of adaptation measures.

- 2005-2006** **IVAM research and consultancy on sustainability, Univ. of Amsterdam** (The Netherlands). Host: Japp Kortman. Research areas: Development of tools and methodologies for the sustainable assessment of urban areas at district scale.
- 2005** **IÖR - Leibniz-Institut für ökologische Raumentwicklung e. V.** (Dresden, Germany). Host researchers: Dr. Clemens Deilmann and Dr. Jochen Schanze. Research areas: Floods Risk Management and the implementation of SEA - Strategic Environmental Assessment.

## Indexed peer-reviewed publications (17)

- 2019** **Olazabal, M.**, Gopegui, M.R. de, Tompkins, E.L., Venner, K., Smith, R., 2019. A cross-scale worldwide analysis of coastal adaptation planning. *Environmental Research Letters* 14, 124056. <https://doi.org/10.1088/1748-9326/ab5532>
- Reckien D., Salvia M., Pietrapertosa F., Simoes S., **Olazabal M.** et al. 2019. Dedicated versus mainstreaming approaches in local climate plans in Europe. *Renewable & Sustainable Energy Reviews* 112, 948-959. <https://doi.org/10.1016/j.rser.2019.05.014>
- Olazabal M.**, Ibon Galarraga, James Ford, Elisa Sainz de Murieta, and Alexandra Lesnikowski. "Are Local Climate Adaptation Policies Credible? A Conceptual and Operational Assessment Framework." *International Journal of Urban Sustainable Development* In press (2019). <https://doi.org/10.1080/19463138.2019.1583234>.
- 2018** **Olazabal, M.**, Chiabai, A., Foudi, S., Neumann, M.B., 2018. Emergence of new knowledge for climate change adaptation. *Environmental Science & Policy* 83, 46–53. Open access <https://doi.org/10.1016/j.envsci.2018.01.017>
- Reckien, D., Salvia, M., Heidrich, O., Church, J.M., Pietrapertosa, F., De Gregorio-Hurtado, S., D'Alonzo, V., Foley, A., Simoes, S.G., Lorencová, E.K., Orru, H., Orru, K., Wejs, A., Flacke, J., **Olazabal, M.**, Geneletti, D., Feliu, E., Vasilie, S., Nador, C., Krook-Riekkola, A., Matosović, M., Fokaides, P.A., Ioannou, B.I., Flamos, A., Spyridaki, N.-A., Balzan, M.V., Fülöp, O., Paspaldzhiev, I., Grafakos, S., Dawson, R., n.d. How are cities planning to respond to climate change? Assessment of local climate plans from 885 cities in the EU-28. *Journal of Cleaner Production*. Open access. <https://doi.org/10.1016/j.jclepro.2018.03.220> (Received Jose Maria Sarriegi Award)
- Olazabal M.**, Neuman M., Foudi S., and Chiabai A., 2018. Transparency and Reproducibility in participatory modelling: the case of Fuzzy Cognitive Mapping. *Systems Research and Behavioral Science* 35 (6): 791-810. Open access. <https://onlinelibrary.wiley.com/doi/abs/10.1002/sres.2519>
- 2017** Sharifi A., Chelleri L., Fox-Lent C., Grafakos S., Pathak M., **Olazabal M.**, Moloney S., Yumagulova L. and Yamagata Y. 2017 "Conceptualizing Dimensions and Characteristics of Urban Resilience: Insights from a Co-Design Process." *Sustainability* 9 (6): 1032. Doi:10.3390/su9061032. Open access: <http://www.mdpi.com/2071-1050/9/6/1032>
- 2016** **Olazabal M.** and Pascual U. 2016. *Use of fuzzy cognitive maps to study urban resilience and transformation*. *Environmental Innovations and Societal Transitions* 18, 18–40. DOI: 10.1016/j.eist.2015.06.006
- O. Heidrich, D. Reckien, **M. Olazabal**, A. Foley, M. Salvia, S. De Gregorio Hurtado, H. Orru, J. Flacke, D. Geneletti, F. Pietrapertosa, J.J.-P. Hamann, A. Tiwary, E. Feliu and R.J. Dawson. 2016. *National climate policies across Europe and their impacts on cities strategies*. *Journal of Environmental Management* 168, 36-45. 10.1016/j.jenvman.2015.11.043
- 2015** Reckien D, Flacke J, **Olazabal M**, Heidrich O (2015) *The Influence of Drivers and Barriers on Urban Adaptation and Mitigation Plans—An Empirical Analysis of European Cities*. *PLoS ONE* 10(8): e0135597. doi:10.1371/journal.pone.0135597. <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0135597>
- Olazabal M.** and U. Pascual. 2015. *Urban low-carbon transitions: barriers and opportunities*. *Journal of Cleaner Production* 109,336-346. doi:10.1016/j.jclepro.2015.08.047
- Chelleri L., Waters JJ, **Olazabal M.**, Minucci G. *Resilience tradeoffs: addressing multiple scales and temporal aspects of urban resilience*. *Environment & Urbanization*. In press. DOI: 10.1177/0956247814550780. Open Access: <http://eau.sagepub.com/content/early/2015/01/09/0956247814550780.abstract>
- 2014** Reckien, D., Flacke, J., Dawson, R., Heidrich, O., **Olazabal, M.**, Foley, A., Hamann, A., Orru, H., Salvia, M., Hurtado, S. D. G., Geneletti, D., and Pietrapertosa, F. 2014. *Climate change response in Europe: What's the reality? Analysis of adaptation and mitigation plans from 200 urban areas in 11 countries*. *Climatic Change*, 122:1-2, 331-340
- 2010** **Olazabal M.**, Urzelai A., García G., Herranz-Pascual K., Abajo B., Feliú E., Santa-Coloma O. and Aspuru I., 2010. *Sustainable spatial management: an integrated approach*. *Proceedings of the Institution of Civil Engineers: Municipal Engineer*, 163 (1):33-41
- Garmendia E., Gamboa G., Franco J., Garmendia J.M., Liria P. and **Olazabal M.**, 2010. *Social multi-criteria evaluation as a decision support tool for integrated coastal zone management*. *Ocean and Coastal Management*; 53 (7): 385-403.

- 2008** **Olazabal M.**, I. García, G. García, B. Abajo, K. Herranz, A. Alonso, E. Feliú, B. Izaola, I. Aspuru & O. Santa Coloma (2008). Flows, drivers, services and functions, and urban typologies: an integrated approach for the analysis of urban ecosystems. In *The Sustainable City V*, eds. Gospodini, A., Brebbia, C. A. and Tiezzi, E., pp 768. WIT Press.
- 2007** A. Urzelai; **M. Olazabal** et al. 2007. "Modelización de un sistema territorial "urbano-rural" para la evaluación de su sostenibilidad. Aplicación a una zona representativa del País Vasco". *Dyna Ingeniería e Industria*, Vol. 82, nº7, 2007.

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## Other peer-reviewed publications and working papers (7)

- 2020** Sainz de Murieta, E., Olazabal, M., Sanz, E., 2020. ¿Están las ciudades españolas adaptándose al cambio climático? *Papeles de Economía Española*. Accepted.
- 2017** **Olazabal, M.**, I. Galarraga, J. Ford, A. Lesnikowski and E. Sainz de Murieta (2017) Towards successful adaptation: a checklist for the development of climate change adaptation plans. BC3 Working Paper Series 2017-01. Basque Centre for Climate Change (BC3). Leioa, Spain.
- 2015** De Gregorio Hurtado, S., **Olazabal, M.**, Salvia, M., Pietrapertosa, F., Olazabal, E., Geneletti, D., D'Alonzo, V., Si Leo, S., Reckien, D. 2015. *Understanding How and Why Cities Engage with Climate Policy: An Analysis of Local Climate Action in Spain and Italy*. *TEMA Journal of Land Use, Mobility and Environment*. 8 (Special Issue ECCA 2015). 23-46. DOI (10.6092/1970-9870/3649).
- 2014** S. De Gregorio Hurtado, **M. Olazabal**, M. Salvia, F. Pietrapertosa, E. Olazabal, D. Geneletti, V. D'Alonzo, E. Feliú, S. Di Leo, D. Reckien (2014) *Implications of governance structures in urban climate action: evidence from Italy and Spain*. BC3 Working Paper Series 2014-02. Bilbao, Spain.
- Olazabal, M.**, S. De Gregorio, E. Olazabal, F. Pietrapertosa, M. Salvia, D. Geneletti, V. D'Alonzo, E. Feliú, S. di Leo, D. Reckien, (2014) *How are Italian and Spanish Cities tackling climate change? A local comparative study*. BC3 Working Paper Series 2014-03. Bilbao, Spain.
- 2013** **Olazabal, M.** and Pascual, U. 2013. *Identifying social determinants of urban low carbon transitions: the case of energy transition in Bilbao, Basque Country*. BC3 Working Paper Series 2013-11. Bilbao, Spain.

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## Broad scientific publications (10)

- 2019** Sanz, E., Olazabal, M., Sainz de Murieta, E., 2019. Planificación de la adaptación al cambio climático en las ciudades españolas: evaluando su sostenibilidad y efectividad a largo plazo. BC3 Policy Briefing Series, No. PB 2019 – 01. BC3 Basque Centre for Climate Change.
- Are our cities effectively planning for climate change? **Marta Olazabal** in *The Conversation* 28/02/2019 <https://theconversation.com/are-our-cities-effectively-planning-for-climate-change-112140>
- 2018** **Olazabal, M.**, Reckien, D., Heidrich, O. (2018) Are we on the right track? This is what we found when re-viewing climate policies in 885 European cities. BC3 Policy Briefs 2018-01. Basque Centre for Climate Change (BC3). Leioa, Spain.
- 2016** **Olazabal M.** "El papel de las ciudades tras la Cumbre del Clima de París". Periódico BEZ. 29/01/2016 PRESS article. URL: <http://www.bez.es/881032682/Ciudades-y-cambio-climatico-tras-la-cumbre-del-clima-de-Paris.html>
- Olazabal, M.** and Sainz de Murieta, E. (2016) "*Bridging Science and Policy to Mitigate and Adapt Cities to Climate Change: Challenges and Opportunities in the Context of the Basque Declaration*", BC3 Policy Briefing Series, 03-2016, Basque Centre for Climate Change (BC3), Bilbao, Spain.
- Olazabal, M.**, Sainz de Murieta, E., Foudi, S., Chiabai, A., Galarraga, I., Balbi, S., Vogel, L., Román, M.V, and Markandya, A.(2016) "*Urban research at BC3: How climate change science can support urban policy making*", BC3 Policy Briefing Series, 04-2016, Basque Centre for Climate Change (BC3), Bilbao, Spain.
- Moloney S., **Olazabal M.**, Yumagulova L., Chelleri, L. 2016. Challenges in assessing and measuring urban resilience. February 23, 2016 / UGEC Viewpoints. URL: <https://ugecviewpoints.wordpress.com/2016/02/23/challenges-in-assessing-and-measuring-urban-resilience/>
- 2015** **Olazabal M.**, Chiabai A., Foudi S. and Neumann M.B. *Navigating urban complexity through stakeholders' experiences and knowledge*. July 23, 2015 / UGEC Viewpoints. URL: <https://ugecviewpoints.wordpress.com/2015/07/23/navigating-urban-complexity-through-stakeholders-experiences-and-knowledge/>
- 2014** **Olazabal M.**, and Pascual U., 2014. Ingredientes de una transición sostenible hacia una ciudad baja en carbono. BC3 Policy Briefing Series 03-2014.
- 2013** **Olazabal M.** *Fostering opportunities in cities: adaptability and transformability of urban systems*. *ISA Europe Journal* 05/2013; ISBN 978-9-090-27392-1.

- 2006 Urzelai A.; **M. Olazábal** et al. 2006. "Modelización de un sistema territorial "urbano-rural" para la evaluación de su sostenibilidad. Aplicación a una zona representativa del País Vasco". *Revista Internacional de Sostenibilidad, Tecnología y Humanismo*, nº 1, 2006.

## Books & book chapters (17)

- 2018 **Olazabal, M.**, Chelleri, L., Sharifi, A., 2018. Is Connectivity a Desirable Property in Urban Resilience Assessments? in: *Resilience-Oriented Urban Planning, Lecture Notes in Energy*. Springer, Cham, pp. 195–211. [https://doi.org/10.1007/978-3-319-75798-8\\_11](https://doi.org/10.1007/978-3-319-75798-8_11)
- Bouwer, L., Capriolo, A., Chiabai, A., Foudi, S., Garrote, L., Harmáčková, Z.V., Iglesias, A., Jeuken, A., **Olazabal, M.**, Spadaro, J., Taylor, T., Zandersen, M., 2018. Chapter 4 - Upscaling the Impacts of Climate Change in Different Sectors and Adaptation Strategies, in: Sanderson, H., Hildén, M., Russel, D., Penha-Lopes, G., Capriolo, A. (Eds.) *Adapting to Climate Change in Europe*. Elsevier, pp. 173–243. <https://doi.org/10.1016/B978-0-12-849887-3.00004-6>
- Campos, I., Ng, K., Penha-Lopes, G., Pedersen, A.B., Capriolo, A., **Olazabal, M.**, Meyer, V., Gebhardt, O., Weiland, S., Nielsen, H.Ø., Troeltzsch, J., Zandvoort, M., Lorencová, E.K., Harmáčková, Z.V., Iglesias, P., Iglesias, A., Vizinho, A., Mäenpää, M., Rytönen, A.-M., den Uyl, R.M., Vačkář, D., Alves, F.M., 2018. Chapter 3 - The Diversity of Adaptation in a Multilevel Governance Setting, in: Sanderson, H., Hildén, M., Russel, D., Penha-Lopes, G., Capriolo, A. (Eds.), *Adapting to Climate Change in Europe*. Elsevier, pp. 49–172. <https://doi.org/10.1016/B978-0-12-849887-3.00003-4>
- 2017 **Olazabal, M.** 2017. "Resilience, Sustainability and Transformability of Cities as Complex Adaptive Systems." In *Urban Regions Now & Tomorrow*, edited by Sonja Deppisch, 73–97. *Studien Zur Resilienzforschung*, Springer.
- Schwarze R., Meyer P., Markandya A., Kedia S., Maleki D., Román de Lara MV, Sudo T., Surminski S., Anderson N., **Olazabal M.**, Grafakos S., Dobardzic S. (Forthcoming). *Economics, Finance, and the Private Sector* (Chapter 7) in Rosenzweig, C., W. Solecki, P. Romero-Lankao, S. Mehrotra, S. Dhakal, and S. Ali Ibrahim. *Climate Change and Cities: Second Assessment Report of the Urban Climate Change Research Network (UCCRN)*. Cambridge University Press. New York.
- 2015 **Olazabal, M.** and Reckien, D. 2015. Fuzzy Cognitive Mapping: applications to urban environmental decision-making. In *Handbook of Research Methods and Applications in Environmental Studies*, edited by M. Ruth: Edward Elgar Publishing, Massachusetts, USA, pp. 148-175.
- 2014 Reckien, D., Flacke, J., De Gregorio Hurtado, S., Salvia, M., Heidrich, O., Dawson, R. J., **Olazabal, M.**, Foley, A., Orru, H., and Geneletti, D. 2014. Urban climate change response and the impact of climate networks in Europe. In *Understanding Cities: Advances in integrated assessment of urban sustainability*, edited by R. J. Dawson, A. Wyckmans, O. Heidrich, J. Köhler, S. Dobson and E. Feliú. Newcastle, UK: Centre for Earth Systems Engineering Research (CESER). 45-52
- Heidrich, O., **Olazabal, M.**, and Flacke, J. 2014. Adaptation and mitigation: how addressing climate issues stimulates integrated thinking. In *Understanding Cities: Advances in integrated assessment of urban sustainability*, edited by R. J. Dawson, A. Wyckmans, O. Heidrich, J. Köhler, S. Dobson and E. Feliú. Newcastle, UK: Centre for Earth Systems Engineering Research (CESER). 41-43
- De Gregorio Hurtado, S., **Olazabal, M.**, Salvia, M., Pietrapertosa, F., Feliú, E., Olazabal, E., Geneletti, D., D'Alonzo, V., Di Leo, S., and Reckien, D. 2014. Multi-level climate governance and urban climate action. In *Understanding Cities: Advances in integrated assessment of urban sustainability*, edited by R. J. Dawson, A. Wyckmans, O. Heidrich, J. Köhler, S. Dobson and E. Feliú. Newcastle, UK: Centre for Earth Systems Engineering Research (CESER). 77-88
- 2012 **BOOK:** Chelleri, L. and **Olazabal, M.**, eds. 2012. *Multidisciplinary perspectives on Urban Resilience: A workshop report*. Bilbao: Basque centre for Climate Change (BC3). ISBN 978-84-695-6025-9
- Olazabal, M.**, Chelleri, L. and Waters JJ. 2012. Why urban resilience? In *Multidisciplinary perspectives on Urban Resilience: A workshop report*, edited by L. Chelleri and M. Olazabal. Bilbao, Spain: Basque Centre for Climate Change (BC3). ISBN 978-84-695-6025-9
- Olazabal, M.** 2012. Urban resilient sustainability transitions: a cause for action. In *Multidisciplinary perspectives on Urban Resilience: A workshop report*, edited by L. Chelleri and M. Olazabal. Bilbao, Spain: Basque Centre for Climate Change (BC3). ISBN 978-84-695-6025-9
- Chelleri L., **Olazabal, M.** 2012. Final remarks. In *Multidisciplinary perspectives on Urban Resilience: A workshop report*, ed. by L. Chelleri and M. Olazabal. Bilbao, Spain: Basque Centre for Climate Change (BC3). ISBN 978-84-695-6025-9
- Olazabal, M.**, Feliu, E., Herranz-Pascual, M. K., Abajo, B., González-Aparicio, I., Simón-Moral, A., and Alonso, A. 2012. Climate Change Adaptation Plan of Vitoria-Gasteiz, Spain. In *Resilient Cities 2: Cities and Adaptation to Climate Change Proceedings of the Global Forum 2011*, edited by K. Otto-Zimmermann: Springer. ISBN 978-94-007-4223-9

- 2011** Herranz, K., **Olazabal, M.**, García, G., Abajo, B., Gutiérrez, L., Mendizabal, M., and Feliú, E. 2011. Medio Urbano: ordenación del territorio y planificación urbanística. In Cambio Climático: Impacto y Adaptación, edited by Basque Government: Gobierno Vasco. ISBN: 978-84-457-3175-8
- Olazabal, M.**, Feliú, E., Izaola, B., Pon, D., Pooley, M., Alonso-Martin, M. and Castillo, C.: 2011, 'Local Strategies for Climate Change Adaptation: Urban Planning Criteria for Municipalities of the Basque Country, Spain', in Otto-Zimmermann, K. (ed.), Resilient Cities: Cities and Adaptation to Climate Change - Proceedings of the Global Forum 2010, Springer, p. 521.
- 2009** Santa-Coloma, O., **Olazabal, M.**, García, G., and Feliú, E. 2009. Metabolismo urbano y dinámica territorial. In Las Dimensiones Sociales de la Ciudad, edited by V. Urrutia, I. Zubero, A. Izaola and A. de la Peña. Bilbao: Servicio Editorial de la Universidad del País Vasco. ISBN: 978-84-9860-311-8

## Conference contributions and invited talks (56)

(\*) Speaker (\*) Planned

- 2020** (\*) (\*) **Olazabal M.** A cross-scale worldwide analysis of coastal adaptation planning. Adaptation Futures 2020, New Delhi 27-30 April 2020.
- 2019** (\*) **Olazabal M.** Las ciudades y su lucha contra el cambio climático: una mirada comparativa. Jornada "Oportunidades económicas y emergencia climática" organised by *Funcas* and *Capítulo Español del Club de Roma*. Madrid, 26th November 2019. *Invited talk*
- (\*) **Olazabal M.** Factores de Sucesso de Adaptação Climática em cidades: A global look. 3rd Local Adaptation Seminar of the network of Portuguese municipalities. 11th November 2019. Seia, Portugal *Invited talk (keynote)*
- (\*) **Olazabal M.** How we define and understand adaptation is important the case of a global urban adaptation tracking exercise. The New Climate Urbanism | 4-5 September 2019, Urban Institute, University of Sheffield. *Invited talk*
- Olazabal M.** and Ruiz de Gopegui M. Effectiveness of world-wide local climate adaptation plans. Workshop "Sustainable coastal cities". Organised by Université de Pau et des Pays de l'Adour (UPPA). July 1-2 2019, Bayonne. *Invited talk*
- Ruiz de Gopegui M., **Olazabal M.** How are cities adapting for climate change today? Can we measure it? Place making for sustainable change. [Placemaking Week Europe 2019](#), Valencia, June 2019.
- (\*) **Olazabal M.** Adaptation tracking and credibility: 'Assessment of Local Adaptation Plans'. Metrics for effective adaptation planning: The role of metrics of adaptation and vulnerability in fighting the negative effects of climate change. Side-event at the UNFCCC Mid-session in Bonn, 21<sup>st</sup> June 2019. *Invited talk (virtual)*
- (\*) **Olazabal M.** and Ruiz de Gopegui M. [Are world-wide local climate adaptation plans on track to effectively reduce future risks?](#) ECCA 2019, 4th European Climate Change Adaptation conference, Lisbon (Portugal) 28–31 May 2019
- (\*) **Olazabal M.**, Sainz de Murieta E., Ruiz de Gopegui M. and Venner K. "A pilot study to assess equity in the progress towards adaptation: a case in European and worldwide coastal cities" Session [Monitoring adaptation in cities: Considerations for equity and justice](#) ECCA 2019, 4th European Climate Change Adaptation conference, Lisbon (Portugal) 28–31 May 2019
- 2018** (\*) **Olazabal M.** A participatory systems approach to identify and quantify climate adaptation tradeoffs. Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience. 11th International Forum on Urbanism (IFoU) Congress 2018. December 10-11-12 in Barcelona. Proceedings: <https://sciforum.net/paper/view/conference/5932>
- Sainz de Murieta E., Sanz E. and **Olazabal M.** Are Spanish local adaptation policies likely to be successfully implemented and sustained in the long-term? An assessment of their legitimacy, scientific, policy and economic credibility. Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience. 11th International Forum on Urbanism (IFoU) Congress 2018. December 10-11-12 in Barcelona. Proceedings: <https://sciforum.net/paper/view/conference/5954>
- Sainz de Murieta E., Galarraga I and **Olazabal M.** Building long-term resilience by aligning adaptation and disaster risk reduction policies in cities. Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience. 11th International Forum on Urbanism (IFoU) Congress 2018. December 10-11-12 in Barcelona. Proceedings: <https://sciforum.net/paper/view/conference/6017>
- 2017** \***Olazabal M.** A proposal to improve adaptation tracking experiences: an adaptation policies credibility assessment framework. Adaptation Lunch seminars. Grantham Research Institute on Climate Change and the Environment, London School of Economics and Political Science (LSE). 19 June 2017.

- \***Olazabal M.**, Chiabai A., Foudi S., and Neuman M. Knowledge co-production allows the emergence of new information for climate change adaptation planning. ECCA 2017, 3rd European Climate Change Adaptation Conference “Our Climate Ready Future”, Glasgow, 5th-9th June 2017.
- \***Olazabal M.**, Galarraga I., Ford J., Lesnikowski A., Sainz De Murieta E. On the credibility of current local climate adaptation plans. ECCA 2017, 3rd European Climate Change Adaptation Conference “Our Climate Ready Future”, Glasgow, 5th-9th June 2017.
- \***Olazabal M.** Invited panel discussant in the session “Integrated research methods for co-creating adaptation solutions” ECCA 2017, 3rd European Climate Change Adaptation Conference “Our Climate Ready Future”, Glasgow, 5th-9th June 2017. *Invited discussant.*
- \***Olazabal M.** Cambio climático: aplicación a la ordenación del territorio. X11º Curso de urbanismo AVNAU “¡Manos a la obra!” February 2, 2017. Organised by Agrupación Vasco-Navarra de Arquitectos Urbanistas (AVNAU) *Invited talk.*
- 2016** \***Olazabal M** and Sainz De-Murieta E. Bridging science and policy to support cities to mitigate and adapt to climate change. Round Table Dialogue in the 8th Sustainable Cities and Towns Conference. Bilbao. 27-29 April 2016.
- Schwarze R., Meyer P., Markandya A., Kedia S., Maleki D., Román de Lara MV, Sudo T., Surminski S., Anderson N., **Olazabal M.**, Grafakos S., Dobardzic S. 2016. Finance Opportunities for Climate Change Solutions in Cities. Resilient Cities 2016 Background Paper. 7th Annual Global Forum on Urban Resilience and Adaptation, 6-8 July 2016.
- 2015** \***Olazabal M.** Urban Resilience and Transformation: Implications for assessment indicators. Workshop on Tools and Indicators for Assessing Urban Resilience. December 7-10, 2015. Ito International Research Center, The University of Tokyo. Organized by Global Carbon Project - Tsukuba International Office. *Invited talk.*
- \***Olazabal M.** El desafío del cambio climático. Euskal Hiria Kongresua, Bilbao, November 23-24, 2015. Organised by the Basque Government. *Invited talk*
- De Gregorio Hurtado S., **Olazabal M.**, Salvia M., Pietrapertosa F., Olazabal E., Geneletti D., D’Alonzo V., Di Leo S., Reckien D., 2015. Urban climate planning in Spain and Italy: barriers and opportunities. Presented at the Conference: Science Symposium on climate. Gathering knowledge, efforts and projects on climate sciences, November 19-20, 2015. Rome, Italy. doi:10.13140/RG.2.1.1692.2962. Poster presentation.
- \***Olazabal M.** and De Gregorio-Hurtado S. Grassroots of local climate action in Italy and Spain. ECCA European Climate Change Adaptation Conference 2015. 12-14 May 2015, Copenhagen, Denmark. *Invited talk.*
- \***Olazabal M.**, Chiabai A., Neumann M.B. and Foudi S. Fuzzy Cognitive Mapping to enhance climate change adaptation to heatwaves in the city of Madrid. ECCA European Climate Change Adaptation Conference 2015. Copenhagen, Denmark. *Oral (pentcha kutcha) presentation.*
- \***Olazabal M.** Resiliencia Urbana. IX Jornadas de Gerencia de Riesgos y Emergencias. 25- 29 mayo 2015. Donostia-San Sebastián, Spain. *Invited talk*
- 2014** \***Olazabal M.** Capturing and modelling cognitive knowledge to inform urban low carbon transitions. Urban Integration Conference. 6-7 March 2014, Sheffield, UK. *Invited talk*
- 2013** \***Olazabal M.** A cognitive approach to urban energy systems: assessing resilience and sustainable transition pathways. Klimagune Workshop 2013, “Opportunities, Challenges and Barriers for Transitions towards Sustainability in the Context of Climate Change”. December 19, 2013. Bizkaia aretoa, Bilbao. *Invited talk*
- \***Olazabal M.** and Pascual U. Identifying social determinants of urban low carbon transitions: the case of energy transition in Bilbao, Basque Country. International Symposium - Modelling Sustainable Urban Transition Dynamics 3rd and 4th July. *Oral presentation*
- 2012** \***Olazabal M.** 2012. Transitions to Climate Change Resilient Cities. Cambridge Zero Carbon Society series. 7th November 2012. University of Cambridge, UK. *Invited talk.*
- \***Olazabal M.**, Chelleri L., Waters JJ and Kunath A. 2012. Multidisciplinary perspectives on urban resilience. 1st International Conference on Urban Sustainability and Resilience. 5-6 November 2012. University College of London, UK. *Oral presentation*
- \***Olazabal M.**, Pascual 2012. Cities and the transition to greener economies. 5-6 November 2012. University College of London, UK. *Poster presentation*
- \***Olazabal, M.** and Pascual, U. 2012. Postulates of urban resilient sustainability transitions. In International Sustainability Transitions (IST) Conference 2012. 29-31 August 2012, Copenhagen, Denmark. *Oral presentation*
- \***Olazabal M.**, Pascual 2012. Cities and the transition to greener economies. BC3 Klimagune Workshop 2012: From Euskadi to Rio + 20. 8th of June, Bilbao, Spain. *Poster presentation*

- \***Olazabal, M.** and Pascual, U. 2012. Postulates of urban resilient sustainability transitions. In ISEE Conference 2012 - International Society of Ecological Economics. 16-19 June 2012. Rio de Janeiro, Brasil. *Oral presentation*
- \***Olazabal, M.** 2012. Sustainable urban development in times of climate change and resource scarcity. Tyndall Knowledge Gaps PhD Conference 2012 - How are you tackling it? 11th April - 13th April 2012, University of East Anglia, Norwich, UK. *Oral presentation*
- 2011** \***Olazabal M.** 2011. Valuing urban resilience thinking: the challenge of going beyond theory. International Workshop on Urban Resilience: How to apply resilience thinking to urban environments. Barcelona, 18-19th November 2011. *Oral presentation*.
- Cherelli L., **Olazabal M.**, Breton F. Some starters for the translation of resilience theory into city planning practices. Resilience 2011: Resilience, Innovation and Sustainability: Navigating the Complexities of Global Change'. Arizona State University. Tempe, Arizona (USA). 10-16 March 2011
- 2010** \***Olazabal M.**, Herranz-Pascual K., Feliú E., García G. Abajo B. El análisis de la vulnerabilidad urbana como clave para la definición de estrategias de adaptación al cambio climático. CONAMA10, Madrid, 22-26 November 2010. ISBN 978-84-614-6112-7
- \***Olazabal, M.**, Feliú, E., Herranz, K., García, G., Abajo, B., and Mendizabal, M. 2010. Impulsando la gestión adaptativa de la escala urbana: un nuevo reto territorial. Paper presented at VI Congreso Internacional de Ordenación del Territorio, Pamplona. *Mención de honor por el Comité de Selección*. ISBN 978-84-693-7273-9
- Herranz-Pascual K., Feliú E., **Olazabal M.**, Miguel Virizuela M., Alonso A. (2010) Plan de Adaptación al Cambio Climático (PACC) de Vitoria-Gasteiz. CONAMA10, Madrid, 22-26 November 2010. ISBN 978-84-614-6112-7
- Feliú, E, **Olazabal, M.**, et al. (2010) Local Strategies for Climate Change Adaptation: Urban Planning Criteria for Municipalities of the Basque Country, Spain. Resilient Cities 2011, 1<sup>st</sup> World Congress on Cities and Adaptation to Climate Change. Bonn, Germany 28-30 May 2010
- 2009** \***Olazabal M.** and Pascual U. (2009). Urban metabolism and urban resilience. International Conference on Human Ecology, 29th June -3rd July 2009. Oral presentation.
- \***Olazabal, M.**, García, G., Abajo, B., Alonso, A., García, I., Herranz, K., Feliú, E., Izaola, B., Aspuru, I. and Santa Coloma, O.: 2009, 'Urban system metabolism analysis: an approach for the definition of urban strategic actions', in ConAccount 2008. Urban metabolism: measuring the ecological city: Proceedings, Charles University Environment Center, Prague, pp. 339-356. ISBN: 978-80-87076-12-5
- García, G., Abajo, B., **Olazabal, M.**, Herranz, K., Proy, R., García, I., Izaola, B. and Santa Coloma, O.: 2009, 'A step forward in the evaluation of urban metabolism: Definition of urban typologies', in ConAccount 2008. Urban metabolism: measuring the ecological city: Book of proceedings, Charles University Environment Center, Prague, pp. 9-25. ISBN: 978-80-87076-12-5
- 2008** **Olazabal M.**, G. García, B. Abajo, K. Herranz, E. Feliú, I. García, B. Izaola, R. Proy, L. Gutierrez, A. Alonso, I. Aspuru y O. Santa Coloma (2008). "¿Cómo Definir Acciones Locales Analizando el Metabolismo Urbano? El Enfoque del Proyecto INCYDA EMAU". Proceedings Congreso Nacional de Medio Ambiente, CONAMA08, Madrid, 1-5 de diciembre 2008. ISBN: 978-84-613-1481-2
- Feliú E., García G., **Olazabal M.**, K. Herranz, I. Aspuru, O. Santa Coloma (2008). "Los Contratos de Territorio: Una propuesta para la mejora de la Ordenación Territorial en la CAPV". Proceedings Congreso Nacional de Medio Ambiente, CONAMA08, Madrid, 1-5 de diciembre 2008. ISBN: 978-84-613-1481-2
- Olazabal M.**, I. García, G. García, B. Abajo, K. Herranz, A. Alonso, E. Feliú, B. Izaola, I. Aspuru, O. Santa Coloma, 2008. "Flows, drivers, services & functions and urban typologies: an integrated approach for the analysis of urban eco-systems". Conference Sustainable Cities 2008. September 2008, Greece. Oral presentation.
- Feliú E., García G., **Olazabal M.**, K. Herranz, I. Aspuru y O. Santa Coloma, "Propuestas para la mejora de la ordenación territorial en la CAPV: tendencias y retos en el marco de la gestión sostenible del territorio". I Congreso de Urbanismo y Ordenación del Territorio en la CAPV. "Ciudad y Territorio" Bilbao, 2008. Oral presentation.
- Garmendia E., **Olazabal M.**, J. Franco, J. Garmendia and K. Herranz, 2008. "Social multi-criteria evaluation as a decision support tool in the adaptive management of complex socio-ecological systems: the case of a biosphere reserve in northern Spain". Proceedings of 2008 Berlin Conference on the Human Dimensions of Global Environmental Change / International Conference of the Social-Ecological Research Programme. Oral presentation.
- 2007** Urzelai A., Ciprian E., and \***Olazabal M.**, 2007. "Model strategy for examination of former and abandoned landfills". In: Cossu, R., Diaz L. F and Stegmann R. (Eds.). Proceedings of SARDINIA 2007 Waste Management and Landfill Symposium. Sardinia, Italy. ISBN 978-88-6265-003-8. pp. 917 Oral presentation.
- Olazabal M.**, G. García et al., 2007. "OIKOS: an integrated approach towards sustainable spatial planning and management". SUE-Mot 07 International Conference on Whole Life Urban Sustainability and its Assessment. Glasgow Caledonian University, Glasgow, 27th-29th June 2007 (ISBN- 13 978-1-905866-13-7; ISBN- 10 1-905866-13-5). Oral presentation.
- \***Olazabal, M.**, Urzelai, A., Feliú, E., García, G., Herranz, K., Aspuru, I., and Santa-Coloma, O. 2007. Evaluation of sustainability in spatial planning and management. Shortcomings in the implementation of an integrated approach at



sub-regional scale. Paper 215. 27th Annual Conference International Association for Impact Assessment (IAIA) Growth, Conservation and Responsibility, Seoul, Korea. ISBN: 978-0-9800351-0-0. Oral Presentation.

Santa Coloma O., Urzelai A., **Olazabal M.**, et al. 2007. "Aproximación metodológica a la evaluación de la sostenibilidad en la gestión territorial. Aplicación a un caso piloto representativo del País Vasco" V Conferencia Europea de Ciudades y Pueblos Sostenibles. Sevilla, 2007. Poster presentation.

Aspuru I., Herranz K., Vazquez M., García G., **Olazabal M.** "Proyecto piloto a escala municipal para la integración del plan de acción de ruido en la dinámica de la Agenda Local 21". V Conferencia Europea de Ciudades y Pueblos Sostenibles. Sevilla, 2007. Poster presentation.

Feliu E., Santa Coloma O., Urzelai A., **Olazabal M.**, G. García, K. Herranz, 2007 "los municipios y la gobernanza de la gestión sostenible del territorio". V Conferencia Europea de Ciudades y Pueblos Sostenibles. Sevilla, 2007. Poster presentation.

**2006** Urzelai A., \***Olazabal M.**, et al., 2006. "Modelización de las interacciones socio-culturales, ambientales y económicas de un sistema territorial "urbano-rural" para la evaluación de la sostenibilidad en una zona representativa del País Vasco". International Conference on Sustainability Measurement and Modelling ICSMM. Terrasa, 2006. ISBN: 84-96736-06-7. Oral presentation.

**2004** Navazo M., N. Durana, M.C. Gómez, J.A. García, G. Gangoiti, **Olazabal M.**, J.L. Ilardia, L.Alonso "Influencia de hidrocarburos no metánicos de origen biogénico en las concentraciones de ozono en atmósferas no urbanas". Proceedings PROMA 2004 (IX Congreso de Medio Ambiente). Oral presentation.

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## Participation in R&D Projects

- 2019-2025** **LIFE-IP URBAN KLIMA 2050.** EU LIFE Integrated projects 2018 – Climate Action. Start date: 01/09/2019; End date: 31/08/2025. PI Mari Jose Sanz. BC3 Budget: 494.929€. Budget for activities led by Marta Olazabal: 91.000€ <https://urbanklima2050.eu/es/>
- 2019-2021** **GOBERNADAPT** Gobernanza para la adaptación al cambio climático: riesgos por eventos costeros extremos en Dakar (Senegal), 2019 – 2021. Partners: BC3 (lead) and IH Cantabria. Funded by Basque Cooperation Agency. Budget: 168.000€, BC3 budget: 109.350€.
- 2018-2020** **CLIC** - Can we measure the effectiveness of public investments in urban climate resilience? Funded by AXA Research Fund (Id. 4771) and the Spanish Government through Juan de la Cierva Incorporación grant. Grant <https://clic.bc3research.org/>
- 2017-2021** **COACCH** project. CO-designing the Assessment of Climate CHange costs. European Union's Horizon 2020 research and innovation programme. Gran Agreement N° 776479. <https://www.bc3research.org/projects/coacch.html>
- 2018-2019** **PROCESA** - Evaluación del PROgreso de las Ciudades ESpañolas hacia la Adaptación. Fundación Biodiversidad. Convocatoria 2017. Gran number CA\_CC\_2017. <https://www.bc3research.org/projects/procesa>
- 2015 - 2018** **RESIN.** Climate resilient cities and Infrastructure. Funded under H2020 programme of the European Commission. 2015-2018
- 2014-2016** **BASE.** Bottom-up Adaptation Strategies for a sustainable Europe. Funded under the 7th Research Framework Programme (FP7) of the European Commission. 2013-2016
- 2013** **Focalización Estratégica del Plan Vasco de lucha contra el Cambio Climático 2014-2020.** Funded by IHOBE S.A. 2013
- 2012** **URBAN SOLUTIONS.** Research line 3. Modelling transitions towards low carbon cities. Tecnalia strategic project.
- 2010-2011** **PACC Vitoria-Gasteiz (Phase I).** Local Plan of Adaptation to Climate Change of the City of Vitoria-Gasteiz. Vitoria-Gasteiz City Council
- 2008-2013** **K-EGOKITZEN (I & II).** Climate Change: Impact and adaptation. ETORTEK Programme. Basque Government 2008-2013
- 2007-2008** **INCYDA EMAU** Strategic Actions for the implementation of the Urban Environment Strategy in the Spanish Context. Spanish National Plan of Scientific Research, Development and Technological Innovation. Ministry of Environment, 2007-2008.
- 2007** **Estudio de Evaluación Conjunta de Impacto Ambiental del Plan de Suelos Contaminados de la CAPV 2007-2010.** Funded by IHOBE S.A. 2007
- 2006-2007** **GAILUR** Carrying Capacity Methodology towards Sustainable Spatial Planning and Management. Labein-Tecnalia self-funded project.

- 2005 - 2008** **EKOLURRALDEA** Tools and Strategies for Sustainable Territory Management. Partially supported by the Basque Government through the ETORTEK Programme.
- 2005-2007** **SUFALNET**. Sustainable use of former and abandoned landfills. Interreg Programme III. European Commission
- 2005-2007** **OIKOS** Integrated Systems for Sustainable Spatial Planning and Management. SAIOTEK Programme the Basque Country regional and Spanish Ministry of Industry, Commerce and Tourism.

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## Networking and memberships

- 2019 - ...** Member of the Steering Committee of the IPAM – International Platform of Adaptation Metrics.
- 2011 - 2019** Board Member and co-founder of the **Urban Resilience Research Network**. <http://www.urbanresilienceresearch.net/>
- 2013 - 2016** Member of the **Crisis Resilience Alliance** led by the University of British Columbia (Canada) <http://www.crisisresilience.ca/>
- 2015** Collaboration with the **Urban Climate Change Research Network - UCCRN**, Columbia University, New York to produce *ARC3.2 Second Assessment Report*.
- 2011-2014** Member of the Sustainability and Global Decarbonisation Research Group of the **4CMR (Centre for climate change mitigation research)** of the University of Cambridge.
- 2010-2014** Active participant in the **COST Action TU0902 Integrated assessment technologies to support the sustainable development of urban areas**. WG 2: urban climate change mitigation and adaptation.

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## Supervising and mentoring activity

- 2020** PhD co-supervisor Ama Kissiwah Boateng (National University of Public Service, *Budapest*, Hungary).  
Kimberly Hidalgo, Internship – Guest researcher collaborating in CLIC project – AXA. Recent Master's graduate from the Middlebury Institute of International Studies in California. September 2019 – February 2020
- 2019** Ama Kissiwah Boateng. Guest researcher. PhD student at the National University of Public Service (*Budapest*, Hungary). September 2019  
Julia Cambroner, Master Student. University of Copenhagen, MSc in Climate Change. – Guest researcher collaborating in CLIC project – AXA. February – July 2019.  
Rachel Smith. Internship – Guest researcher collaborating in CLIC project – AXA. Global Change: Ecosystem Science and Policy dual degree programme between University College Dublin, Ireland and Justus Liebig University, Giessen, Germany. January – March 2019
- 2018** Kayin Venner. Internship – Guest researcher collaborating in CLIC project – AXA. Erasmus mobility grant through the Erasmus+ Programme. October 2018 – February 2019.
- 2017** Lies Huitema, Master Student. Msc Environment and Society studies specialisation of 'Local Environmental Change and Sustainable cities' Nijmegen School of Management, Radboud University of Nijmegen, Netherlands. Guest researcher at BC3 Feb.- July 2017. Master Dissertation title: *The application of a Monitoring, Evaluating and Reporting (MER) framework on climate change adaptation measures implemented in cities: An orientation for the case study of Bilbao, Spain*
- 2015** Sara Altamore. Master Student. Master course: Reti per l'efficienza e la sostenibilità energetica del territorio. Università degli studi di Catania, Italy. Guest researcher at BC3 Sept.-Nov. 2015. Master Dissertation: *International advances towards urban climate adaptation: In-depth analysis on the urban water sector*.
- 2011-2012** Mentoring of graduate students/interns at Tecnalia Research & Innovation. Research area: Urban Climate Governance.

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## Teaching experience

- 2019** Lecturer. Master's degree on City Resilience Design and Management. Universitat Internacional de Catalunya. 11-13 November 2019. Course 2019-2020. Course on Fuzzy Cognitive Mapping and Course on Climate Change and the city. 15 hours

Lecturer: Curso IVAP: Introducción al Cambio Climático en Euskadi. "Cambio Climático: evidencias, causas, acción internacional". 30 October 2019.

Lecturer: Kooperatibagintzan' 12. Edizioa, Lanki, Mondragon Unibertsitatea. Course: Sostenibilidad, Cambio Climático y ciudad. 2 hours. 25 October 2019

Fuzzy Cognitive Mapping Workshop. Basque Centre for Climate Change, BC3. 11<sup>th</sup> January 2019. 4 hours.

**2018** Lecturer: Kooperatibagintzan' 11. Edizioa, Lanki, Mondragon Unibertsitatea. Course: Sostenibilidad, Cambio Climático y ciudad. 2 hours. 16 November 2018

Lecturer. Master's degree on City Resilience Design and Management. Universitat Internacional de Catalunya. 15-17 October 2018. Course 2018-19. 1 Course on Fuzzy Cognitive Mapping and 1 Course on Climate Change and the city. 15 hours

Lecturer. Master Universitario en Ciencias Sociales Aplicadas al Medioambiente. Universidad Pablo de Olavide. Centro de Estudios de Postgrado. Course 2017-18. Topic: Urban resilience to Climate change (24-25 May 2018)

**2015** Lecturer: "Acción climática a nivel local". Postgraduate course on Climate Change 15 June-10 July 2015. Organised by FLACSO, Seo/BirdLife, WWF España, Greenpeace, FUHEM and Ecologistas en Acción. Collaborating Universidad de Salamanca and Universidad Camilo José Cela.

**2013** Teaching Assistant (Urban Group). Course: International Spring University on Ecosystem Services Modelling. Organized by BC3, UNESCO Chair – University of the Basque Country and City of Bilbao. March 2013.

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## Other scientific activities

### Academic dissertations reviewer

**2017** Raquel Gimenez. "Building City resilience through collaboration" Tecnun: Universidad De Navarra. Escuela Superior De Ingenieros Industriales. Degree of Doctor of Philosophy. July 2017

### Conferences, sessions and workshops organisation

**2019** Coordinator of **Klimagune Workshop 2019** (June 2019) "Planificando la adaptación urbana al cambio climático" <https://klimagune.bc3research.org/>

Co-organiser of Session [Monitoring adaptation in cities: Considerations for equity and justice](#) in ECCA 2019, 4th European Climate Change Adaptation conference, Lisbon (Portugal) 28–31 May 2019

**2018** Conference Organiser (as URNet board member): Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience. 11th International Forum on Urbanism (IFoU) Congress 2018. December 10-11-12 in Barcelona.

**2017** Session Chair at **Klimagune 2017: Cambio climático y participación**. 31 de mayo 2017. Bizkaia Aretoa

Co-organiser and co-chair of session in **ECCA 2017**, 3rd European Climate Change Adaptation Conference "Our Climate Ready Future", Glasgow, 5th-9th June 2017. Title of session: Adaptation tracking

Co-organiser and co-chair of session in **Resilience 2017** conference, Fourth triennial conference on resilience taking place in Stockholm 21-23 August 2017. Title of session: Urban resilience trade-offs: from theory to practise.

**2016** Session Chair at **BC3 Summer School 2016**: Climate Change Challenges after Paris agreement, 11th- 13th of July (2016), Palacio Miramar - San Sebastian (Spain). Title of session: Mitigation, impacts, adaptation & vulnerability to climate change (11<sup>th</sup> July).

**2013** **Klimagune Workshop 2013** conference organisation (19<sup>th</sup> Dec. 2013) "Opportunities, barriers and challenges of transitions towards sustainability in the context of Climate Change"

**2011** Organisation of the **First International Workshop on Urban Resilience**: How to apply resilience thinking to urban environments. Barcelona, 18-19th Nov. 2011.

### Scientific committees

**2019** Member of the **Scientific Committee of Klimagune Workshop 2019** (June 2019) "Planificando la adaptación urbana al cambio climático", Bilbao.

**2018** Member of the **Scientific Committee of Reframing Urban Resilience Implementation: Aligning Sustainability and Resilience**. 11th International Forum on Urbanism (IFoU) Congress 2018. December 10-11-12 in Barcelona.

- 2017** Member of the **Scientific Committee of Klimagune Workshop 2017** (June 2017) "Participation and climate change"
- 2013** Member of the **Scientific Committee of Klimagune Workshop 2013** (19<sup>th</sup> Dec. 2013) "Opportunities, barriers and challenges of transitions towards sustainability in the context of climate change"

## Reviewer

*Journal of Environmental Policy & Planning* (1), *Wiley Climate Change Reviews* (1), *Nature Climate Change* (1) (Springer Nature, ISSN 1758-678X), *Water* (MDPI; ISSN 2073-4441) (1), *Sustainable cities and society* (Elsevier, ISSN: 2210-6707) (1), *Climatic Change* (Springer, ISSN: 0165-0009) (1), *Proceedings of the ICE - Municipal Engineer* (ISSN: 0965-0903, E-ISSN: 1751-7699) (2), *Landscape and urban planning* (Elsevier, ISSN: 0169-2046) (1)

## Outreach activities

### Public dissemination talks and materials

- 2020** **Invited panel speaker** in Round Table on Climate Change organised by "Cátedra de Catástrofes" of Fundación Aon España in Tecnun, University of Navarra in Donostia-San Sebastián. 28<sup>th</sup> February 2020.
- 2019** **Invited panel speaker** in AXA PARTNERS' event on extreme climatic events. 3rd October 2019 Madrid.  
**Invited panel speaker** in AXA XL FFFLive event on climate parametric insurance solutions in Madrid. 2<sup>nd</sup> July 2019.  
**Public talk.** Nuestro papel frente al cambio climático. Ayuntamiento de Gordexola. 10 Mar 19  
**Public talk.** Cambio climático: retos y oportunidades en nuestras ciudades. Aulas de la tercera Edad. Diputación de Alava. 4 Feb 2019.
- 2018** **Specialised talks.** Cambio Climático (y ciudad). Talk to Basque public system teaching staff. Ingurugela, Basque Government. 25 Oct 2018  
**Specialised talks.** Jornadas técnicas de capacitación del alumnado de centros educativos de secundaria de Nerbioi Ibaizabal. Private contract Ondoan S.COOP. Feb-May 2018
- 2017** **Invited talk.** La ordenación del territorio como herramienta en la lucha contra el cambio climático. Jornadas sobre la revisión de las Directrices de Ordenación Territorial (DOT), Basque Government. 17 mayo 2017. Invited talk  
**Invited talk.** Resiliencia urbana ante el cambio climático. Foro Interescolar 27 de Abril 2017. Organised by Ingurugela (Basque Government).
- 2016** **Policy Briefing Video: Olazabal, M.** and Sainz de Murieta, E. (2016) "Bridging Science and Policy to Mitigate and Adapt Cities to Climate Change: Challenges and Opportunities in the Context of the Basque Declaration", BC3 Policy Briefing Series, 03-2016, Basque Centre for Climate Change (BC3), Bilbao, Spain. <https://vimeo.com/178012919>  
**Policy Briefing Video: Olazabal, M.,** Sainz de Murieta, E., Foudi, S., Chiabai, A., Galarraga, I., Balbi, S., Vogel, L., Román, M.V, and Markandya, A.(2016) "Urban research at BC3: How climate change science can support urban policy making", BC3 Policy Briefing Series, 04-2016, Basque Centre for Climate Change (BC3), Bilbao, Spain. <https://vimeo.com/178309119>  
**Invited talk.** Resiliencia urbana y sostenibilidad. Foro Sustainable Week. 27 April 2016. Invited speaker  
Round Table Dialogue. **Olazabal M** and Sainz De-Murieta E. Bridging science and policy to support cities to mitigate and adapt to climate change. Round Table Dialogue in the 8th Sustainable Cities and Towns Conference. Bilbao. 27-29 April 2016.  
**School talk.** What is a scientific career? Esclavas, Bilbao. May 6, 2016.  
**School talk.** Training Caravan. Dissemination talk to undergraduate students. Science and climate change. IEH Bengoetxe, Galdakao. 14 April 2016.
- 2015** **Invited panel speaker.** 3er Debate de Cambio Climático y Ciudades. El acuerdo de Paris y su implementación a nivel local. Foro Ciudad y Energía: alternativas para nuestro siglo. Organizado por la Fundación Alternativas. 17 de Diciembre 2015, Círculo de Bellas Artes, Madrid. Ponente invitado (**invited speaker**)  
**Invited talk.** Las ciudades ante del desafío del cambio climático. Jornada "Los retos del cambio climático y el papel de la empresa ante ellos", December 2, 2015. Organised by Bilbao Ekintza, Bilbao City Council. **Invited talk.**

### Radio, press and social media

- 2020** Interview in Radio Euskadi (19/01/2020) <https://www.eitb.eus/es/radio/radio-euskadi/programas/hagase-la-luz/audios/detalle/6968656/audio-barcelona-tiene-plan-tesis-climatica-----/> Programa *Hágase La Luz* – Barcelona: una ciudad con un plan contra la crisis climática.

- Opinion in *Climatica/La Marea* (17/01/2020) "Barcelona y el reto de las ciudades frente a la crisis climática" <https://www.climatica.lamarea.com/barcelona-reto-ciudades-frente-tesis-climatica/> by Eduardo Robaina.
- 2019** The Print (International Indian Press) (27/12/2019) "Nearly half of 136 coastal cities yet to implement policies to fight climate change: Study" <https://theprint.in/science/nearly-half-of-136-coastal-cities-yet-to-implement-policies-to-fight-climate-change-study/341044/> by Pushp Bajaj.
- Interview in Radio Euskadi (22/09/2019) <https://www.eitb.eus/es/radio/radio-euskadi/programas/hagase-la-luz/detalle/6686125/marta-olazabal-bc3-nos-recuerda-importancia-ciudades-verdes/> Programa *Hágase La Luz*  
Cambio climático - Las ciudades necesitan más infraestructuras verdes (Spanish)
- Opinion in *Climatica/La Marea* (13/09/2019) "La DANA evidencia la falta de adaptación al cambio climático" <https://www.climatica.lamarea.com/la-dana-reflejo-de-la-falta-de-adaptacion-al-cambio-climatico/> by Eduardo Robaina.
- Interview in Radio Euskadi (25/08/2019) <https://www.eitb.eus/es/radio/radio-euskadi/programas/hagase-la-luz/detalle/6626819/como-se-preparan-ciudades-hacer-frente-al-cambio-temperaturas/> Programa *Hágase La Luz*  
Cambio climático - Cómo se preparan las ciudades para hacer frente al cambio de temperaturas (Spanish)
- Interview in Radio Popular. *Egunon Bizkaia* con Arantza Sinobas. Ecología y Medio Ambiente. El cambio climático y cómo abordarlo concretamente en los pueblos y ciudades. 07/08/2019 <https://radiopopular.com/egunon-bizkaia-con-arantza-sinobas-ecologia-y-medio-ambiente-el-cambio-climatico-y-como-abordarlo-concretamente-en-los-pueblos-y-ciudades/> (Spanish)
- Interview in Radio Vitoria (Radio Euskadi) 04/02/2019 on my participation in Aulas de la Tercera Edad (Spanish)
- 2018** Interview in La Galería (Radio Euskadi) 16/07/2018 about AXA Research Fund project. <https://www.eitb.tv/es/radio/radio-euskadi/la-galeria/5049653/5744040/la-galeria-15-07-2018/> (min 49:38) (Spanish)
- Diario Vasco 02/07/2018 "Itsasertzeko hiriak klima aldaketara nola egokitzen diren ikergai" <https://www.diariovasco.com/sociedad/ciencia/itsasertzeko-hiriak-klima-20180702114001-nt.html> (Basque)
- El Correo 04/07/2018 "Kostaldeko hiriak aldaketa klimatikora nola moldatu ikertuko du BC3-ak" <https://www.elcorreo.com/zurekin/kostaldeko-hiriak-aldaketa-20180704195324-nt.html> (Basque)
- Interview in BERRIA newspaper 12/06/2018 «Neurriak orain hartu behar ditugu; ezin da atzeratu». <https://www.berria.eus/paperekoa/1845/04/001/2018-06-12/neurriak-orain-hartu-behar-ditugu-ezin-da-atzeratu.htm> (Basque)
- 2016** El País. 29/02/2016 PRESS/Interview. "Nueva York dedica 100 veces más al cambio climático que Adís Abeba". URL: [http://elpais.com/elpais/2016/02/29/ciencia/1456749697\\_792373.html](http://elpais.com/elpais/2016/02/29/ciencia/1456749697_792373.html)
- Periódico Bilbao. 04/02/2016. "La solución está de nuestra mano". URL: [http://www.bilbao.net/cs/Satellite?aniold=1279149109966&c=PIO\\_Publicacion\\_FP&cid=1279149859803&language=es&pageid=1279118711919&pagename=Bilbaonet%2FPIO\\_Publicacion\\_FP%2FPIO\\_GrupoPublicacion](http://www.bilbao.net/cs/Satellite?aniold=1279149109966&c=PIO_Publicacion_FP&cid=1279149859803&language=es&pageid=1279118711919&pagename=Bilbaonet%2FPIO_Publicacion_FP%2FPIO_GrupoPublicacion)
- 2015** Foro Ciudades 16/12/2015 SOCIAL MEDIA/NEWS. La investigadora de BC3 Marta Olazabal participa en el "III Debate Cambio Climático y ciudades". URL: <http://www.fundacionalternativas.org/actividades/encuentros/iii-debate-cambio-climatico-y-ciudades>
- SER. 26/11/2015 RADIO/Interview. COP21: Entrevista en Radio Bilbao a la investigadora BC3 Marta Olazabal. URL: [http://play.cadenaser.com/audio/ser\\_bilbao\\_hoyporhoybilbao\\_20151126\\_132000\\_140000/](http://play.cadenaser.com/audio/ser_bilbao_hoyporhoybilbao_20151126_132000_140000/)
- Euskadi.eus. 23/11/2015. SOCIAL MEDIA/NEWS El lehendakari propone la transformación de Euskadi en un territorio "inteligente, sostenible, social e integrador, interrelacionado y participativo". URL: [http://www.euskadi.eus/gobierno-vasco/contenidos/noticia/2015\\_11\\_23\\_29575/es\\_29575/29575.html](http://www.euskadi.eus/gobierno-vasco/contenidos/noticia/2015_11_23_29575/es_29575/29575.html)
- Blog de IX Jornadas de Gerencia de Riesgos y Emergencias. Arrisku eta larrialdien kudeaketari buruzko jardunaldiak. 16/6/2015 SOCIAL MEDIA/NEWS La investigación como herramienta para sobreponerse a las catástrofes, construyendo la sostenibilidad. URL: <http://gerenciariesgosyemergencias.eu/26-de-mayomartes-la-investigacion-como-herramienta-para-sobreponerse-a-las-catastrofes-construyendo-la-sostenibilidad/>
- 2013** Mercados de Medio Ambiente. 10/12/2013 SOCIAL MEDIA/Interview. En qué suspenden las ciudades españolas en materia de lucha contra el cambio climático. URL: <http://www.mercadosmedioambiente.com/actualidad/en-qu-suspenden-las-ciudades-espa-olas-en-materia-de-lucha-contra-el-cambio-clim-tico/>
- Cuarto Poder. 04/12/2013 SOCIAL MEDIA/Interview. Las ciudades españolas, entre las peor preparadas contra el cambio climático. URL: <http://www.cuartopoder.es/mecanicamente/las-ciudades-espanolas-entre-las-peor-preparadas-contra-el-cambio-climatico/3705>
- SER. 24/03/2013. Radio/Interview. Curso internacional de primavera sobre modelización de los servicios de los ecosistemas, el caso práctico de Bilbao.
- EITB. 18/03/2013. Radio/Interview. Modelización de los servicios de los ecosistemas presentados por investigadoras de BC3. URL: <http://www.eitb.tv/es/radio/radio-euskadi/la-mecanica-del-caracol/945042/1289748/impactos-asteroides-y-meteoritos-y-las-matematicas-del-gotico/>

## Courses attended

- 2018** AXA research Fund and Agent Majeur Media Training course. Paris, AXA headquarters. 21-23 November 2018.
- 2017** Barcelona Intrepid Training School – on Inter and Transdisciplinary Urban Research (13-16 February 2017). European Cooperation in Science and Technology (European Commission).
- 2016** Summer School on Fuzzy Cognitive Maps: Methods, Learning Algorithms and Software Tool for Modeling and Decision Making. 4-8 July 2015. Organized by Ass. Prof. Elpiniki Papageorgiou, Dep. of Computer Science, University of Thessaly Lamia, Greece.  
BC3 Summer School 2016. Climate Change Challenges after Paris agreement 11th- 13th of July (2016). Palacio Miramar – San Sebastian.
- 2015** Workshop on Tools and Indicators for Assessing Urban Resilience. December 7-10, 2015. Ito International Research Center, The University of Tokyo. Organized by Global Carbon Project - Tsukuba International Office In collaboration with NIES, APN, UGEC, WUDAPT and IR3S.
- 2014** BC3 Summer School 2014. Climate Change Understanding the Challenge. 14th- 16th of July (2014). Palacio Miramar - San Sebastian.
- 2013** UPV & BC3 Seminars 2013. [http://www.bc3research.org/seminarios\\_upv\\_bc3/](http://www.bc3research.org/seminarios_upv_bc3/)
- 2012** BC3 Summer School 2012: Some dimensions of climate change: international agreements, carbon finance and ecosystem-based approaches. 9th-10th-11th of July (2012) San Sebastian, Spain.  
EUSKAL HIRIA 2012. Euskal Hiri-Eskualdea /Ciudad-Región Vasca KONGRESUA/CONGRESO. 26-27 November 2012. Palacio de congresos Euskalduna de Bilbao, Spain.  
UPV & BC3 Seminars 2012. [http://www.bc3research.org/seminarios\\_upv\\_bc3/](http://www.bc3research.org/seminarios_upv_bc3/)
- 2011** Post Carbon Transitions, Visions and Challenges. Brussels, 29 September 2011. Organised by European Commission.
- 2010** Workshop on resilient cities. Stockholm Resilience Centre. Stockholm University. Stockholm, Sweden, 26-27 February 2010.  
International Seminar on territorial Impact Assessment: from the strategic Environmental Assessment to Territorial Impact Assessment. Universidad Menendez Pelayo. Instituto de Investigación de Desarrollo Local. Valencia, Spain. 28-29 January 2010.  
PhD Skills Training Programme. University of Cambridge. Courses: How to build your CV.
- 2009** PhD Skills Training Programme. University of Cambridge. Courses: Speed Reading, Starting to Present, How to build a research question, Further presentation skills, Lucid Scientific Writing etc.
- 2008** Barcelona Tech Summer Sessions 08: Urban Mobility Workshop. Universidad de Barcelona (UB) and Universitat Politècnica de Catalunya (UPC). 25-27 July 2008 – 12 hours.
- 2007** IAIA07 Training Course 11. Multi-criteria decision analysis tools for managing complex environmental challenges. Seoul, Korea June 2007 – 8 hours.

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## Languages

<b>English</b>	Fluent. Professional competences. Last certificate: IELTS (7,5 score in 2008)
<b>Spanish</b>	Native
<b>Basque</b>	Intermediate level (non-professional)
<b>French and German</b>	Basic Competences (non-professional)

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## Other relevant information

**Part time (family care)** from March 2018 to September 2018

**Second Maternity leave** from September 2017 to March 2018

**First Maternity leave** from September 2014 to January 2015

**Sick leave** from October 2010 to June 2011

A handwritten signature in blue ink, appearing to read 'Marta Olazabal', written in a cursive style.

Bilbao, 5<sup>th</sup> March 2020