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## Curriculum Vitae (Full) Francesc Baró, Ph.D.

**Personal data:** Born 18<sup>th</sup> June 1981 in Barcelona (Spain). Nationality: Spanish and French (naturalized). Dependants: 2 sons (born 2013, 2017).

**Current affiliations:** Institute of Environmental Science and Technology (ICTA), Autonomous University of Barcelona (UAB); ‘Hospital del Mar’ Medical Research Institute (IMIM).

**Current professional address:** Edifici Z (ICTA-ICP), Carrer de les Columnes s/n, Campus UAB, 08193 Bellaterra (Cerdanyola del Vallès), Barcelona, Spain.

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**Websites:** [www.bcnej.org/francesc-baro-bio](http://www.bcnej.org/francesc-baro-bio); [www.researchgate.net/profile/Francesc\\_Baró](http://www.researchgate.net/profile/Francesc_Baró)

**Language skills:** Catalan (native); Spanish (native); English (proficient); French (advanced).

**Computer skills:** ArcGIS (expert); QGIS (advanced); Microsoft Office (expert); R Statistical Computing (intermediate).

**Expertise keywords:** Urban ecosystem services; green infrastructure; nature-based solutions; spatial analysis; landscape and urban planning; social-ecological systems; urban resilience; environmental justice.

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### 1. SHORT BIO AND RESEARCH INTERESTS

I am an environmental scientist trained in landscape and urban planning. I hold a PhD in Environmental Science and Technology (UAB, 2016), an MSc in Geographic Information Systems (UPC, 2007), an MSc in Ecological Economics and Environmental Management (UAB, 2005) and a BSc in Environmental Science (UAB, 2004).

My interdisciplinary research domain explores **the social-ecological impacts of urban and periurban greening** in order to understand how cities and metropolitan areas can become more inclusive, safe, resilient and sustainable. In general terms, my main interwoven areas of interest are: 1) **Multi-scale spatial analysis of urban ecosystem services** (both provision and demand); 2) **Urban equity analyses in the access to green infrastructure benefits**; and 3) **Governance assessment of nature-based solutions and other greening strategies** from a critical perspective.

In my ongoing research I am exploring the consideration of different **dimensions of environmental justice (particularly distributional) into urban ecosystem service assessments**. I am also involved in a project aimed at **assessing green gentrification** in different European and North-American cities. Further, I am **coordinating a stakeholder engagement process for the integration of green infrastructure and nature-based solutions** in urban planning and policy of the Barcelona metropolitan region.

## 2. PROFESSIONAL POSITIONS AND AFFILIATIONS

### 2.1. Current positions and affiliations

- Postdoctoral research fellow at the Institute of Environmental Science and Technology (ICTA – <http://ictaweb.uab.cat>), Autonomous University of Barcelona (UAB – [www.uab.cat](http://www.uab.cat)) and at ‘Hospital del Mar’ Medical Research Institute (IMIM), Barcelona, Spain (since November 2016). Member of the research groups: (1) Barcelona Lab for Environmental Justice and Sustainability (BCNEJ – [www.bcnej.org](http://www.bcnej.org)); (2) Laboratory for the Analysis of Social-Ecological Systems in a Global World (LASEG – [www.laseg.cat](http://www.laseg.cat)).
- Associate Editor of the section *Land Use Dynamics* of the open access scientific journal *Frontiers in Environmental Science* since June 2018. Website: <https://www.frontiersin.org/journals/environmental-science/sections/land-use-dynamics#>
- Coordinator of the Air Quality working group at the Catalan Professional Association of Environmental Scientists (COAMB – [www.coamb.cat](http://www.coamb.cat)), Barcelona, Spain (since May 2016).
- Member of the Ecosystem Service Partnership (ESP - <http://es-partnership.org/>) since 2016, including an active participation in different working groups (e.g., Mediterranean Biome).
- Member of the Catalan Professional Association of Environmental Scientists (COAMB – [www.coamb.cat](http://www.coamb.cat)) since 2004.

### 2.2. Past positions and affiliations

- Junior research fellow and PhD candidate at the Institute of Environmental Science and Technology (ICTA – <http://ictaweb.uab.cat>), Autonomous University of Barcelona (UAB), Barcelona, Spain (March 2012 – October 2016). Member of the research group: Laboratory for the Analysis of Social-Ecological Systems in a Global World (LASEG – [www.laseg.cat](http://www.laseg.cat)).
- Visiting PhD research fellow at the Department of Landscape Ecology, Institute of Geography, Humboldt-Universität zu Berlin, Berlin, Germany (September - October 2014).
- Coordinator of the Landscape and Territory Commission at the Catalan Professional Association of Environmental Scientists (COAMB – [www.coamb.cat](http://www.coamb.cat)), Barcelona, Spain (January 2014 - May 2016).
- Environmental consultant and GIS analyst (self-employed), Barcelona, Spain (September 2011 - March 2012).
- Environmental consultant and GIS analyst at Lavola (environmental consultancy – [www.lavola.com](http://www.lavola.com)), Barcelona, Spain (September 2007-August 2011).
- Research assistant at the Institute of Environmental Science and Technology (ICTA), Autonomous University of Barcelona (UAB), Barcelona, Spain (November 2006-May 2009).

## 3. HIGHER EDUCATION

- 2016. PhD's degree in Environmental Science and Technology, Institute of Environmental Science and Technology (ICTA), Autonomous University of Barcelona (UAB), Spain. Supervised by Prof. Erik Gómez-Baggethun and Prof. Dagmar Haase. Academic tutor: Prof. Victoria Reyes-García. **Awarded with “Excellent cum laude”** by an international examining board composed by Prof.

Peter Verburg (IVM, Vrije Universiteit Amsterdam), Prof. Joan Pino (CREAF, Autonomous University of Barcelona), Prof. Jakub Kronenberg (University of Lodz).

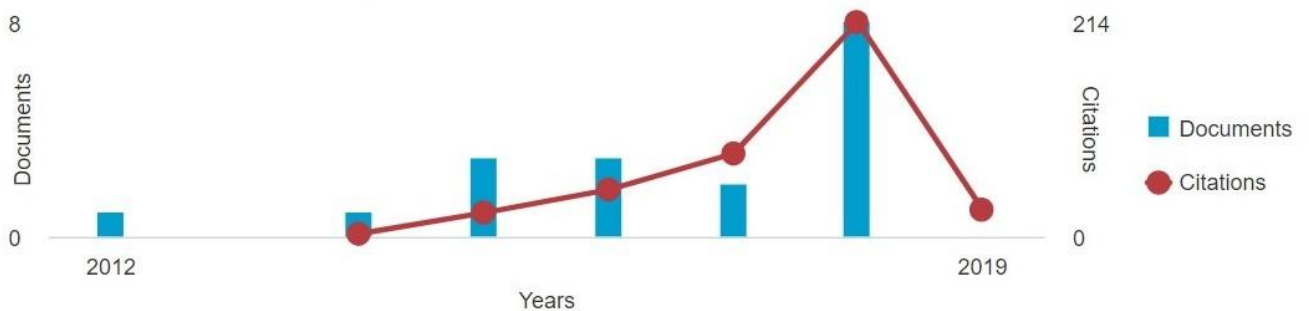
- 2012. Postgraduate's degree in Project Management (48 ECTS credits), Institute for Lifelong Learning (IL3), University of Barcelona (UB), Spain.
- 2007. Master's degree in Geographical Information Systems (GIS) (54 ECTS credits), Polytechnic University of Catalonia (UPC), Spain.
- 2007. Diploma of Advance Studies (DEA) in Regional Geographic Analysis (equal to a Certificate of Research Aptitude), Autonomous University of Barcelona (UAB), Spain.
- 2005. Master's degree in Initiation to Research in Ecological Economics and Environmental Management (35 ECTS credits), Institute of Environmental Science and Technology (ICTA), Autonomous University of Barcelona (UAB), Spain.
- 2004. Bachelor's degree in Environmental Science (320 ECTS credits), Autonomous University of Barcelona (UAB), Spain, including an Erasmus exchange stay in the Van Hall Instituut, the Netherlands.

#### 4. SCIENTIFIC PUBLICATIONS

##### 4.1. Publication metrics

Scopus:

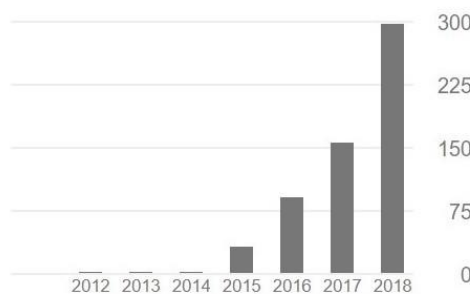
**h-index: 10**



Source: <https://www.scopus.com/authid/detail.uri?authorId=55652382900>

Google scholar:

	All	Since 2013
Citations	634	631
h-index	12	12
i10-index	15	15



Source: <https://scholar.google.es/citations?user=8IbleLsAAAAJ&hl=en>

#### 4.2. Articles in international peer reviewed journals (published / in press / accepted for publication)

- Langemeyer, J., Calcagni, F., Baró, F. 2018. Mapping the intangible: Using geolocated social media data to examine landscape aesthetics. *Land Use Policy* 77, 542–552. doi: doi.org/10.1016/j.landusepol.2018.05.049
- García-nieto, A.P., Geijzendorffer, I., Baró, F., Roche, P., Bondeau, A., Cramer, W., 2018. Impacts of urbanization around Mediterranean cities: Changes in ecosystem service supply. *Ecological Indicators* 91:589–606. doi:10.1016/j.ecolind.2018.03.082
- Barton, D.N., Kelemen, E., Dick, J., Martin-Lopez, B., Gómez-Baggethun, E., Jacobs, S., Hendriks, C.M.A., Termansen, M., Llorente, M.G.-, Primmer, E., Dunford, R., Harrison, P.A., Turkelboom, F., Saarikoski, H., van Dijk, J., Rusch, G.M., Palomo, I., Yli-Pelkonen, V.J., Carvalho, L., Baró, F., et al. 2018. (Dis) integrated valuation – Assessing the information gaps in ecosystem service appraisals for governance support. *Ecosystem Services* 29:529-541. doi: https://doi.org/10.1016/j.ecoser.2017.10.021
- Turkelboom, F., Leone, M., Jacobs, S., Kelemen, E., García-Llorente, M., Baró, F., et al. 2018. When we cannot have it all: Ecosystem services trade-offs in the context of spatial planning. *Ecosystem Services* 29:566-578. doi: 10.1016/j.ecoser.2017.10.011
- Dunford, R., Harrison, P., Smith, A., Dick, J., Barton, D.N., Martin-Lopez, B., Kelemen, E., Jacobs, S., Saarikoski, H., Turkelboom, F., Verheyden, W., Hauck, J., Antunes, P., Aszalós, R., Badaea, O., Baró, F., et al. 2018. Integrating methods for ecosystem service assessment: Experiences from real world situations. *Ecosystem Services* 29:499-514. doi: 10.1016/j.ecoser.2017.10.014
- Zulian, G., Stange, E., Woods, H., Carvalho, L., Dick, J., Andrews, C., Baró, F., et al. 2018. Practical application of spatial ecosystem service models to aid decision support. *Ecosystem Services* 29:465-480. doi: 10.1016/j.ecoser.2017.11.005
- Dick, J., Turkelboom, F., Woods, H., Iniesta-Arandia, I., Primmer, E., Saarela, S.-R., Bezák, P., Mederly, P., Leone, M., Verheyden, W., Kelemen, E., Hauck, J., Andrews, C., Antunes, P., Aszalós, R., Baró, F., et al. 2018. Stakeholders' perspectives on the operationalisation of the ecosystem service concept: Results from 27 case studies. *Ecosystem Services* 29:552-565. doi: doi.org/10.1016/j.ecoser.2017.09.015
- Saarikoski, H., Primmer, E., Saarela, S.-R., Antunes, P., Aszalós, R., Baró, F., et al. 2018. Institutional challenges in putting ecosystem service knowledge in practice. *Ecosystem Services* 29:579-598. doi: 10.1016/j.ecoser.2017.07.019
- Baró, F., Gómez-Baggethun, E., Haase, D. 2017. Ecosystem service bundles along the urban-rural gradient: Insights for landscape planning and management. *Ecosystem Services*. 24, 147–159. doi:10.1016/j.ecoser.2017.02.021
- Haase, D., Kabisch, S., Haase, A., Andersson, E., Banzhaf, E., Baró, F., et al. 2017. Greening cities – To be socially inclusive? About the alleged paradox of society and ecology in cities. *Habitat International*. 64:41–48. doi:10.1016/j.habitatint.2017.04.005
- Baró, F., Palomo, I., Zulian, G., Vizcaino, P., Haase, D., Gómez-Baggethun, E. 2016. Mapping ecosystem service capacity, flow and demand for urban planning and policy: a case study in the Barcelona metropolitan region. *Land Use Policy* 57:405-417. doi: 10.1016/j.landusepol.2016.06.006

- Kremer, P., Hamstead, Z., Haase, D., McPhearson, T., Frantzeskaki, N., Andersson, E., Kabisch, N., Larondelle, N., Rall, E.L., Voigt, A., Baró, F., et al., 2016. Key insights for the future of urban ecosystem services research. *Ecology and Society*. 21(2):29. doi:10.5751/ES-08445-210229
- Depietri, Y., Kallis, G., Baró, F., Cattaneo, C. 2016. The urban political ecology of ecosystem services: The case of Barcelona. *Ecological Economics* 125:83–100. doi: 10.1016/j.ecolecon.2016.03.003
- Baró, F., Haase, D., Gómez-Baggethun, E., Frantzeskaki, N. 2015. Mismatches between ecosystem services supply and demand in urban areas: A quantitative assessment in five European cities. *Ecological Indicators* 55:146–158. doi: 10.1016/j.ecolind.2015.03.013
- Langemeyer, J., Baró, F., Roebeling, P., Gómez-Baggethun, E. 2015. Contrasting values of cultural ecosystem services in urban areas: The case of park Montjuïc in Barcelona. *Ecosystem Services* 12:178–186. doi: 10.1016/j.ecoser.2014.11.016
- Rodríguez-Rodríguez, D., Kain, J.H., Haase, D., Baró, F., Kaczorowska, A. 2015. Urban self-sufficiency through optimised ecosystem service demand. A utopian perspective from European cities. *Futures* 70:13–23. doi: 10.1016/j.futures.2015.03.007
- Baró, F., Chaparro, L., Gómez-Baggethun, E., Langemeyer, J., Nowak, D. J., Terradas, J. 2014. Contribution of Ecosystem Services to Air Quality and Climate Change Mitigation Policies: The Case of Urban Forests in Barcelona, Spain. *Ambio* 43:466–479. doi: 10.1007/s13280-014-0507-x<sup>1</sup>
- Lobo, A., Ara, F., Baró, F., Camino, C. 2012. Geospatial analysis for conservation: applications with open-source software in the Natural Parks of Barcelona. *Applied Geomatics* 4:113–122. doi: 10.1007/s12518-012-0079-z

#### 4.3. Articles in international peer reviewed journals (submitted / under review / in preparation)

- Andersson, E., Baró, F., et al. Enabling green and blue infrastructure contributions to human well-being. Under review in *BioScience* (since March 2018).
- Balzan, M.V., [...], Baró, F., et al. Improving ecosystem assessments in Mediterranean social-ecological systems: a DPSIR analysis. Under review in *Ecosystems and People* (since July 2018).
- García-Lamarca, M., [...], Baró, F., et al. Urban green boosterism and city affordability: for whom is the 'branded' green city? Under review in *Urban Studies* (since August 2018).
- Connolly, J.J.T., Anguelovski, I., Baró, F. Beyond Bringing Nature Back into the City: A review of the evidence and methodological frontiers for assessing urban greening as a proximate driver of gentrification. In preparation (intended for *Annals of the Association of American Geographers*).
- Baró, F., Calderón, A., Langemeyer J. Street trees benefits: assessing socio-spatial inequalities in Barcelona. In preparation (intended for *Urban Forestry and Urban Greening*).
- Baró, F., Langemeyer, J., et al. Who needs urban ecosystem services and who gets them? A spatial analysis of Barcelona. In preparation.

<sup>1</sup> Note: This article has been reproduced in the following book due to its open access CC-BY license: Blum, J. (Ed.). *Urban Forests* (pp. 3-36). New York: Apple Academic Press. ISBN: 978-1-77188-425-9. Available via: <https://www.taylorfrancis.com/books/9781771884266>

- Calcagni, F., Nogué, J., Langemeyer, J., Baró, F. A tag is worth a thousand pictures: Social media metadata analysis to uncover plural cultural ecosystem services values. In preparation.
- Kotsila, P., Baró, F., et al. Nature-based solutions' and the neoliberalism of urban greening. In preparation.
- Langemeyer, J., Baró, F., Gómez-Baggethun, E. Prioritization of ecosystem service production from an urban-rural perspective - A multi-scale approach to green infrastructure policies. In preparation.
- Basnou, C., Baró, F., et al. Advancing green infrastructure planning at a regional landscape scale: linking biodiversity, ecosystem functions and services in the province of Barcelona. In preparation.
- Anguelovski, I., [...], Baró, F. et al. Theorizing justice in urban greening: Towards an emancipatory and intersectional greening agenda for cities. In preparation.
- Łaszkiwicz, E., [...], Baró, F., et al. A cross-city comparison of age-related disparities in availability of urban green spaces – multifaceted picture of environmental justice. In preparation.

#### 4.4. Books, book chapters, conference proceedings and theses

- Anguelovski, I., Argüelles, L., Baró, F., Cole, H.V.S., Connolly, J.J.T., García-Lamarca, M., Loveless, S., Pérez del Pulgar, C., Shokry, G., Trebic, T., Wood, E. 2018. Green Trajectories: Municipal policy trends and strategies for greening in Europe, Canada and United States (1990-2016). BCNUEJ book (260 pp.). Available via: <http://www.bcnuej.org/wp-content/uploads/2018/04/GreenTrajectories.pdf>
- Bródy, L. S., Chelleri, L., Baró, F., Ruiz-Mallen, I. 2018. Enhancing Community Resilience in Barcelona: Addressing Climate Change and Social Justice Through Spaces of Co-Management. Book chapter in: Galderisi, A., Colucci, A. (eds.): *Smart, Resilient and Transition Cities: Emerging Approaches and Tools for A Climate-Sensitive Urban Development* (pp. 203-208). ISBN: 9780128114773. Elsevier. Available via: <https://www.elsevier.com/books/smart-resilient-and-transition-cities/galderisi/978-0-12-811477-3>
- Baró, F., et al. 2017. Birds as providers of ecosystem services. Book chapter in: Anton, M., Herrando, S., Garcia, D., Ferrer, X. and Cebrian, R. (eds.): *Barcelona Breeding Bird Atlas* [in Catalan, Spanish and English]. Barcelona City Council/ICO/UB/Zoo Barcelona. ISBN: 978-84-9156-009-8. Available via: [www.barcelona.cat/barcelonallibres](http://www.barcelona.cat/barcelonallibres)
- Baró, F., Gómez-Baggethun, E. 2017. Assessing the potential of regulating ecosystem services as nature-based solutions in urban areas. Book chapter in: Kabisch, N., Bonn, A., Korn, H., Stadler, J. (eds.). *Nature-based Solutions to Climate Change in Urban Areas - Linkages between Science, Policy and Practice* (pp. 139-158). ISBN: 978-3-319-53750-4. Springer. Available via: [https://doi.org/10.1007/978-3-319-56091-5\\_9](https://doi.org/10.1007/978-3-319-56091-5_9)
- Kopperoinen, L., Baró, F., et al. 2017. Integrating nature-based solutions in urban planning: examples from five case studies. In: European Conference on Biodiversity and Climate Change (ECBCC) *Nature-based solutions to climate change in urban areas and their rural surroundings*. Conference Proceedings. Bonn, Germany, 17-19 November 2015. Available via: <https://www.bfn.de/fileadmin/BfN/service/Dokumente/skripten/Skript456.pdf>
- Baró, F. 2016. Urban Green Infrastructure: Modelling and mapping ecosystem services for sustainable planning and management in and around cities. PhD thesis supervised by Prof. Erik Gómez-Baggethun and Dagmar Haase. Autonomous University of Barcelona (UAB). doi: 10.13140/RG.2.2.35758.92485/1. Available via: <http://hdl.handle.net/10803/399173>

- Baró, F., Bugter, R., Gómez-Baggethun, E., Hauck, J., Kopperoinen, L., Liqueste, C., Potschin, P. 2016. Green Infrastructure. Book chapter in: Potschin, M. and K. Jax (eds.): *OpenNESS Ecosystem Service Reference Book*. EC FP7 Grant Agreement no. 308428. Available via: [www.openness-project.eu/library/reference-book](http://www.openness-project.eu/library/reference-book)
- Langemeyer, J., Calvo, L., Abellán, A., Baró, F., Batalla, M., Boleda, M., Guerrero, V., Sanyé-Mengual, E., Bosch, M. 2016. Enhancing ecosystem services in cities through multifunctional rooftop gardens. Insights from a co-designed pilot project in Barcelona, Spain. In: *Growing in cities: Interdisciplinary Perspectives on Urban Gardening International Conference*. Conference proceedings. Basel, Switzerland, 9-10 September 2016. Available via: <http://hdl.handle.net/2117/102123>
- Potschin, M., Kretsch, C., Haines-Young, R., Furman, Berry, P., Baró, F. 2016. Nature-based solutions. Book chapter in: Potschin, M. and K. Jax (eds): *OpenNESS Ecosystem Service Reference Book*. EC FP7 Grant Agreement no. 308428. Available via: [www.openness-project.eu/library/reference-book](http://www.openness-project.eu/library/reference-book)
- Baró, F. 2015. A multi-scale assessment of regulating ecosystem services in Barcelona. Book chapter in: Sergi Nuss-Girona, Mita Castañer (eds.): *Ecosystem Services: Concepts, methodologies and instruments for research and applied use* (pp. 87-100). Girona: Documenta Universitaria, 2015. (Quaderns de medi ambient; 6). ISBN 978-84-9984-308-7. Available via: <https://www.documentauniversitaria.cat/botiga.php?a=llibre&id=825>
- Baró, F., Chaparro, L., Gómez-Baggethun, E., Langemeyer, E., Nowak, D. J., Terradas, J. 2014. Contribution of Barcelona's green space to air quality and climate change. In: XVI Spanish Congress on Arboriculture, *The contribution of trees in the sustainable city*. Conference proceedings [only in Spanish]. Valencia, Spain, 23-25 October 2014. Available via: [http://ocs.editorial.upv.es/index.php/CNArboricultura/XVI\\_CNA/paper/view/86/65](http://ocs.editorial.upv.es/index.php/CNArboricultura/XVI_CNA/paper/view/86/65)
- Lobo, A., Ara, F., Baró, F., Camino, C. 2010. Geoinformation analysis for Conservation: experiences with Open Source Software in the Natural Parks of Barcelona. Conference proceedings. Free and Open Source Software for Geospatial (FOSS4G) meeting, Barcelona, Spain, 6-9 September 2010. Available via: <http://2010.foss4g.org/papers/4181.pdf>
- Baró, F. 2007. Planning proposal for the agroforestry mosaic of Sant Llorenç del Munt i l'Obac Natural Park: a prioritization of agricultural open spaces using a GIS-based MCE (Geographic Information Systems – Multi-criteria Evaluation). Master thesis [only in Catalan] supervised by Dr. Agustín Lobo. Available via: <http://hdl.handle.net/2072/97186>
- Baró, F., Bertolaso, M., González, E., Niemann, M., Atiapah, S.E.I., Dao, N.M.HA. 2003. Sustainable policies for the Wadden Sea as a wetland area. Bachelor thesis supervised by David Goldsborough. Available upon request.

#### 4.5. Selected scientific reports and outreach publications

- Baró, F. 2018. Cities, pollution and climate change: to what extent can green infrastructure help? Outreach article awarded by Social Observatory of “la Caixa”. Available via: <https://observatoriosociallacaixa.org/en/-/infraestructuras-verdes>
- Baró, F. 2018. Predatory Journals: How to Avoid the Dark Side of Academic Publishing. Guest blogpost in <http://howtowriteanacademicpaper.com>. Available via: <http://howtowriteanacademicpaper.com/predatory-publishing.html>

- Baró, F., Kotsila, P., Sekulova, F. 2018. Nature-based solutions: a new concept to achieve greener, more resilient and liveable cities? [only in Catalan]. Outreach article in *Sostenible.cat*. Available via: <http://sostenible.cat/reportatge/solucions-basades-en-natura-un-nou-concepte-per-assolir-ciutats-mes-verdes-resilients-i>
- Calcagni, F., Camprubí, L., Baró, F., Langemeyer, J. 2018. Mapping and assessment of cultural ecosystem services in Catalonia [only in Catalan]. Final report for Generalitat de Catalunya (Catalan Government). Available upon request.
- Maestre, S., Basnou, C., Baró, F., et al. 2018. Definition, characterization and dissemination of the green infrastructure in the province of Barcelona within the framework of the Territorial Information System for the open spaces network (SITxell) [only in Catalan]. Final report for Diputació de Barcelona (Barcelona Regional Council). Available upon request.
- Bosch, J., Baró, F. [contributing author], et al. 2018. Environmental criteria for green space design – NTJ 01C Part C [only in Catalan and Spanish]. Technical report of the series Technological Norms of Gardening and Landscape Architecture (NTJ). Edited by *Fundació de la Jardineria i el Paisatge*. ISBN: 978-84-96564-78-7. Available via: <http://fjip-ntj.org/>
- Baró, F. 2017. Six Essential Ingredients for Inclusive Green Spaces. Blogpost of BCNUEJ website. Available via: <http://www.bcnej.org/2017/10/05/6-essential-ingredients-inclusive-green-spaces/>
- Baró, F. 2017. How can we create greener cities to be socially inclusive too? Outreach article in UAB Divulga (Barcelona research and innovation). Available via: <http://www.uab.cat/web/news-detail/how-can-we-create-greener-cities-to-be-socially-inclusive-too-1345680342044.html?noticiaid=1345730710636>
- Turkelboom, F., Leone, M., Baró, F., et al. 2017. Local planning with ecosystem services and stakeholder participation. OpenNESS project policy brief n° 7. Available via: [http://www.openness-project.eu/sites/default/files/Policy%20Brief\\_ES\\_local%20planning\\_final%20300817.pdf](http://www.openness-project.eu/sites/default/files/Policy%20Brief_ES_local%20planning_final%20300817.pdf)
- Barton, D., Dunford, R., [...], Baró, F. [contributing author] et al. 2017. Integrated valuation of ecosystem services. Guidelines and experiences. EU FP7 OpenNESS Project Deliverable 33-44, Barton, D.N. and P.A. Harrison (Eds.). European Commission FP7.
- Baró, F. 2016. The green infrastructure in Barcelona is still very insufficient to have positive effects on the environment quality and wellbeing. Outreach article in UAB Divulga (Barcelona research and innovation). Available via: <http://www.uab.cat/web/news-detail/the-green-infrastructure-in-barcelona-is-still-very-insufficient-to-have-positive-effects-on-the-environment-quality-and-wellness-1345680342044.html?noticiaid=1345715658419>
- Basnou, C., Baró, F., Gómez-Baggethun, E., et al. 2016. Analysis of ecosystems services in the province of Barcelona and proposal of green infrastructure within the framework of the Territorial Information System for the open spaces network (SITxell) [only in Catalan]. Final report for Diputació de Barcelona (Barcelona Regional Council). Available upon request.
- Maes, J., Zulian, G., Thijssen, M., Castell, C., Baró, F., et al. 2016. Mapping and Assessment of Ecosystems and their Services. Urban ecosystems. 4<sup>th</sup> Report – Final. Publications Office of the European Union, Luxembourg. ISBN 978-92-79-58515-9. doi: 10.2779/625242
- Baró, F. 2015. Urban green space, an opportunity to improve air quality and mitigate the impacts of climate change in Barcelona? [only in Catalan]. Opinion paper in *Punt Ambiental* n° 21 on Ecosystem Services, the online journal of the Catalan Professional Association of Environmental Scientists (COAMB). Available via: <http://www.coamb.cat/puntambiental/index.php>

- Baró, F., Castells, C. 2015. Integrating the ecosystem services framework in landscape planning through mapping. [only in Catalan]. Opinion paper in *Punt Ambiental* n° 21 on Ecosystem Services, the online journal of the Catalan Professional Association of Environmental Scientists (COAMB). Available via: <http://www.coamb.cat/puntambiental/index.php>
- Baró, F., Basnou, C., Pino, J., Gómez-Baggethun, E., et al. 2015. Development and mapping of a system of ecosystem services indicators in the province of Barcelona within the framework of the Territorial Information System for the open spaces network (SITxell) [only in Catalan]. Final report for Diputació de Barcelona (Barcelona Regional Council). Available upon request.
- Kopperoinen, L., Stange, E., Rusch, G., Baró, F., Garcia-Blanco, G., Mederly, P. 2015. Integrating Nature-based Solutions in urban planning. OpenNESS project policy brief n°3. Available via: [http://www.openness-project.eu/sites/default/files/OpenNESS\\_brief\\_03.pdf](http://www.openness-project.eu/sites/default/files/OpenNESS_brief_03.pdf)
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- Baró, F., van Ham, C. 2014. Green Infrastructure, a wealth for cities. BiodivERsA URBES Project Factsheet 6. doi: 10.13140/2.1.4960.4167
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- Lobo, A., Vega, C., Baró, F. 2007. Selection of open areas to recover and land use proposals: an approach by spatial and multi-criteria analysis [only in Catalan]. Reports on Environmental Sciences 6 (ICTA-UAB). Available via: <http://hdl.handle.net/2072/40712>

## 5. GRANTED RESEARCH PROJECTS AND INDIVIDUAL GRANTS/AWARDS

### 5.1. Ongoing international research projects

- **2016-2021. Green Locally Unwanted Land Uses (GREENLULUS; ID: 678034).** Funding: ERC Starting Grant Call 2015 (PI: Isabelle Anguelovski). Total EU Contribution: 1,453,868€. Role: **Postdoctoral research team member.**

- 2016-2020. NATure-based Urban innoVATION (NATURVATION, ID: 730243). Funding: European Commission under the Horizon 2020 scheme (Call: H2020-SCC-NBS-1stage-2016). Total EU contribution: 7,803,348€ (managed: 619,848€). Role: **Postdoctoral research team member and case study lead.**
- 2016-2019. Enabling green-blue infrastructure in complex social-ecological regions: system solutions to wicked problems (ENABLE, ID: PCIN-2016-002). Funding: BiodivERsA Joint Call 2015-2016 under the Horizon 2020 ERA-NET COFUND scheme and the Spanish Ministry for Economy and Competitiveness (MINECO) Total funding request: 2,629,977€ (managed: 134.439€). Role: **Co-PI (Principal Investigator), Work package and case study co-lead.**

## 5.2. Finished international research projects

- 2013-2017. Operationalisation of Natural Capital and Ecosystem Services: From Concepts to Real-world Applications (OpenNESS, ID: 308428). Funding: European Commission under the FP7 scheme. Total EU contribution: 9,956,353€ (managed: 257,330€). Role: **Research team member and case study co-lead.**
- 2012-2015. Urban Biodiversity and Ecosystem Services (URBES; ID: PRI-PIMBDV-2011-1179). Funding: BiodivERsA Joint Call 2010-2011 under the FP7 ERA-NET COFUND scheme and the Spanish Ministry for Economy and Competitiveness (MINECO). Total funding request: 2,445,000€ (managed: 121,000€). Role: **Member of the research team and case study co-lead.**
- 2008-2010. Constitution of a European inter-territorial network Living Labs for the application of satellite technologies (RITA; ID: 205827). Funding: European Commission under the FP7-REGIONS scheme. Total grant: 250,000€ (managed: 30,000€). Role: **Member of the research team.**

## 5.3. Ongoing national research projects

- 2017-2018. Mapping of cultural ecosystem services and integration in landscape planning and strategic environmental assessment in Catalonia. Funding: Agreement of collaboration with Generalitat de Catalunya (Catalan Government). Total grant: 20,500€. Role: **Project co-PI (Principal Investigator).**

## 5.4. Finished national research projects

- 2016-2018. Definition, characterization and dissemination of the green infrastructure in the province of Barcelona within the framework of the Territorial Information System for the open spaces network (SITxell). Funding: Agreement of collaboration with Diputació de Barcelona (Barcelona Regional Council). Total grant: 28,000€. Role: **Project PI (Principal Investigator).**
- 2015-2016. Assessment of ecosystem services in the province of Barcelona and proposal of green infrastructure within the framework of the Territorial Information System for the open spaces network (SITxell). Funding: Agreement of collaboration with Diputació de Barcelona (Barcelona Regional Council). Total grant: 30,000€. Role: **Project co-PI (Principal Investigator).**
- 2014-2015. Development and mapping of a system of ecosystem services indicators in the province of Barcelona within the framework of the Territorial Information System for the open spaces network (SITxell). Funding: Agreement of collaboration with Diputació de Barcelona (Barcelona Regional Council). Total grant: 15,000€. Role: **Project co-PI (Principal Investigator).**
- 2013-2014. Mapping and assessment of ecosystem services within the framework of the Territorial Information System for the open spaces network (SITxell). Funding: Agreement of collaboration

with Diputació de Barcelona (Barcelona Regional Council). Total grant: 9,000€. Role: **Project co-PI (Principal Investigator)**.

- 2007-2008. Delimitation and characterization of open areas in the Natural Parks of the South-West Territorial Directorate of Barcelona Provincial Council. Funding: Diputació de Barcelona (Barcelona Regional Council). Role: **Junior research team member**.

### 5.5. Individual awards and grants

- January 2018 – Award for the best article in the Science category of the Social Observatory of "la Caixa" Awards (<https://observatoriosociallacaixa.org/en/premios>). Article: Urban greening: towards healthier and more resilient cities? (Based on my PhD Thesis). Total prize: 10,000€.
- November 2016 – First prize in the research activity category (for my PhD thesis) of the 5<sup>th</sup> Environmental Science Awards, organized by the Catalan Professional Association of Environmental Scientists (COAMB – [www.coamb.cat](http://www.coamb.cat)) and the Catalan Association of Environmental Science (ACCA – [www.cienciasambientals.cat](http://www.cienciasambientals.cat)). Total prize: 150€.
- September 2015 – August 2016. VI Call of Scholarships for Research in Energy and Environment. Funder: Iberdrola Foundation. Project proposal: Integration of the ecosystem services and green infrastructure in landscape planning and management. Case study of the metropolitan region of Barcelona (part of my PhD project). Total grant: 19,680€.
- October 2005 – September 2007. “La Caixa” Scholarship for Postgraduate studies in Spain. Funder: “La Caixa” Foundation. It funded my enrolment in the Master in Geographical Information Systems (UPC) and living expenses. Total grant: 22,000€ (approx.).
- August 2003 – July 2004. Erasmus Scholarship for an undergraduate university exchange stay in EU countries. Funder: European Commission. It funded my Erasmus exchange stay in the Van Hall Instituut, the Netherlands where I carried out my undergraduate thesis. Total grant: 4,000€ (approx.).

## 6. SCIENTIFIC EVALUATION

### 6.1. Editorial work

- Guest co-editor for a special issue on Nature-based Solutions and Green Infrastructure for the journal *Science of the Total Environment* since December 2018 (in progress).
- Guest co-editor for a special issue on Urban Ecosystem Services and Environmental Justice since December 2018 (in progress, journal to be determined).
- Associate Editor of the section Land Use Dynamics of the open access scientific journal *Frontiers in Environmental Science* since June 2018. Website: <https://www.frontiersin.org/journals/environmental-science/sections/land-use-dynamics#>

### 6.2. Review work for scientific journals

- I have served as reviewer for the scientific journals: *Ecosystem Services* (1), *Frontiers in Ecology and the Environment* (1); *Landscape and Urban Planning* (5); *Plos One* (2); *Sustainability* (1); *Sustainability Cities and Society* (1); *Ecological Indicators* (11); *Environmental Impact Assessment Review* (1); *Colombia Forestal* (1); *Moravian Geographical Reports* (1)
- My complete scientific reviewer profile is available from: <https://publons.com/author/418738/francesc-baro#profile>

### 6.3. Other review work

- Book proposal “Planning for Ecosystem Services in Cities” (2018), for Springer.
- Chapter of the book “Valoración Integral de Servicios Ecosistémicos” (2018), edited by Arias, P., and Rincón, A.
- Report “Scientific-technical bases for the Spanish Strategy of Green Infrastructure and Connectivity and Ecological Restoration” (2017). Spanish Ministry of Agriculture and Fisheries, Food and Environment. Madrid. 357 pp.
- Chapter of the book “Atlas of Ecosystem Services – Risks and Opportunities” (2016), edited by Klotz, S., Bonn, A., Seppelt, R., Schröter, M., Baessler, C.

## 7. TEACHING AND SUPERVISION

### 7.1. Teaching credentials

Tenure-eligible lecturer favourable report issued by AQU Catalunya (Catalan University Quality Assurance Agency) since 2019.

### 7.2. Master, undergraduate and training courses

- 2018. Guest lecturer in the master program “City Resilience Design and Management”, organized by URNet (Urban Resilience Research Network) and hosted by International University of Catalonia (UIC), School of architecture. Lecture: Quantifying urban ecosystem services with i-Tree Eco (5 h, in English). International University of Catalonia (UIC), Barcelona, Spain, 30 November 2018.
- 2018. Guest lecturer in the undergraduate module “Environmental Economics”, Autonomous University of Barcelona (UAB), Lecture: (Urban) Ecosystem Services: recent conceptual advances and applications (2 h, in English). Autonomous University of Barcelona (UAB), Cerdanyola del Vallès, Spain, 14 November 2018.
- 2018. Lecturer in the master module “Global Change”, Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability - SAES (3 h, in English). Autonomous University of Barcelona (UAB), Cerdanyola del Vallès, Spain, 30 October 2018.
- 2018. Guest lecturer in the Summer School course “Ecological economics and degrowth principles”, Autonomous University of Barcelona (UAB), Lecture: (Urban) Ecosystem Services: recent conceptual advances and applications (2h, in English). UAB, Cerdanyola del Vallès, Spain, 4 July 2018.
- 2018. Lecturer in the master module “Sustainable Mobility and Eco-Cities”, Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability - SAES (5.21 h, in English). Autonomous University of Barcelona (UAB), Cerdanyola del Vallès, Spain, 2, 7, 9 May 2018.
- 2018. Guest lecturer in the undergraduate module “Sustainable Urban Development – Barcelona Field Course”, Newcastle University. Lecture: Urban greening: towards more liveable and inclusive cities? (2h, in English). Held in PRBB building, Barcelona, Spain, 20 March 2018.

- 2017. Guest lecturer in the undergraduate module “Sustainable Urban Development – Barcelona Field Course”, Newcastle University. Lecture: Integrating ecosystem services in urban sustainability policy (2h, in English). Held in PRBB building, Barcelona, Spain, 27 March 2017.
- 2017. Guest lecturer in the International Master in Landscape Architecture (Workshop B2: the systems of green infrastructure: from urban green space to natural areas). Lecture: Green infrastructure: conceptual framework and practical applications (2h, in Spanish). Polytechnic University of Catalonia (UPC), Barcelona, Spain, 25 January 2017.
- 2017. Panelist in the Joint European Master in Environmental Studies: Cities and Sustainability (Course on Research Design and Qualitative Methods for Social Science Research). Talk: The peer review process: how to deal with reviews (1h, in English). Autonomous University of Barcelona (UAB), Cerdanyola del Vallès, Spain, 25 January 2017.
- 2016. Lecturer in the training course on *Ecosystem services: integration in planning, management and environmental assessment*. Lecture: Development of spatial indicators for ecosystem service capacity, flow and demand (1h, in Catalan). Generalitat de Catalunya (Catalan Government), Department of Territory and Sustainability, Barcelona, Spain, 5 July 2016.
- 2016. Lecturer in the Advance International Course on *Mapping ecosystem services for landscape planning*. Lecture: Indicator based mapping (2h, in Spanish). International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, 15-19 February 2016.
- 2015. Lecturer in the XV International Summer School on the Environment (ISSE 2015), *Ecosystem Services: Concepts, methodologies and instruments for research and applied use*. Lecture: A multi-scale assessment of regulating ecosystem services in Barcelona (1h, in Catalan). University of Girona, Spain, 2-3 October 2015.

### 7.3. PhD thesis supervision (including research stays)

- Calderón, A. Urban ecosystem services and environmental justice (tentative title). PhD Degree in Environmental Science and Technology. Autonomous University of Barcelona (UAB). PhD thesis Supervised by Baró, F., Connolly, J., Anguelovski, I. March 2019 – to date (in progress).
- De Luca, C. Nature-based solutions for urban regeneration (tentative title). PhD candidate at Department of Architecture, Urban Planning research group, University of Bologna. Phd stay in ICTA-UAB supervised by Baró, F. and Langemeyer, J. March- June 2019.
- Zapata-Caldas, E. La estructura ecológica: criterio para la planificación ambiental en sistemas socioecológicos metropolitanos. PhD Degree in Environmental Science. Universidad del Valle (Cali, Colombia). PhD research stay in ICTA-UAB supervised by Baró, F. and Langemeyer, J. June – December 2018.

### 7.4. Master thesis supervision

- Camacho, D. “Urban green infrastructure and children” (tentative title). Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability (SAES). Autonomous University of Barcelona (UAB). Supervised by Baró, F. December 2018– September 2019. In progress.
- Jacue, D. “Assessing the integration of nature-based solutions in urban governance” (tentative title). Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability (SAES). Autonomous University of Barcelona (UAB). Supervised by Baró, F. and Kotsila, P. December 2018 – September 2019. In progress.

- Calderón, A. “Street trees benefits: assessing socio-spatial inequalities in Barcelona”. Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability (SAES). Autonomous University of Barcelona (UAB). Supervised by Baró, F. and Langemeyer J. January – September 2018. Final mark: Excellent (9.0).
- Nogué, J., “Mapping cultural ecosystem services through visual and textual social media data assessments: Case study of Collserola natural park, Barcelona”. Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability (SAES). Autonomous University of Barcelona (UAB). Supervised by Langemeyer J., Baró, F., and Calcagni, F. January – September 2018. Final mark: Excellent (9.0).
- Calcagni, F. ‘Mapping and comparing landscape aesthetic capacity and flow in the Barcelona Province using a photo-series crowd-based approach’. JEMES (Join European Master in Environmental Studies) CiSu (Cities and Sustainability). Autonomous University of Barcelona (UAB). Supervised by Langemeyer, J., co-supervised by Roebeling, P. and Baró, F. January – September 2016.
- Zhao, M. ‘Mapping recreational opportunities in the province of Barcelona’. Internship report. MSc in Urban Environmental Management, Wageningen University. Supervised by Baró, F. and de Groot, R. April – July 2014.

### 7.5. Participation in examining committees

- Stessens, P. Ecosystem Services for the Sustainable Development of the Brussels-Capital Region: towards a Nature-Based Approach for Urban Design and Planning. PhD Degree. Université Libre de Bruxelles (ULB). PhD thesis defended 7 March 2019 (private defence).
- Terra Maia, A. Grasping the Intangible: Using Cultural Ecosystem Services Assessed through Social Media Data to Understand Green Gentrification in Barcelona, Spain. JEMES (Join European Master in Environmental Studies) CiSu (Cities and Sustainability). Autonomous University of Barcelona (UAB). Master thesis defended 12 September 2018.
- Zapata-Caldas, E. La estructura ecológica: criterio para la planificación ambiental en sistemas socioecológicos metropolitanos. PhD Degree in Environmental Science. Universidad del Valle (Cali, Colombia). Mid-term PhD thesis defense, 2 March 2018.
- Giraldo, X.C. The importance of public participation in the planning of urban green infrastructure for the distribution of ecosystem services: the case of Passeig de Sant Joan in Barcelona. Master's Degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability (SAES). Autonomous University of Barcelona (UAB). Master thesis defended 13 September 2017.

## 8. CONFERENCES, SEMINARS AND OUTREACH ACTIVITIES

### 8.1. Session organization in conferences

Baró, F. [host], Langemeyer, J., et al. Just green cities – Adding dimensions of justice to urban ecosystem service assessments (B10a). Ecosystem Service Partnership (ESP) European Regional Conference, *Ecosystem services in a changing world: moving from theory to practice*, San Sebastián, Spain, 11-19 October 2018.

Langemeyer, J., Spangenberg, J., Baró, F. [co-host]. Green Justice – Considering equity, conflicts and disservices in ecosystem service research and practice. Ecosystem Service Partnership (ESP) World

Conference 9, *Ecosystem Services for Eco-civilization. Restoring connections between people & landscapes through nature-based solutions*, Shenzhen, China, 11-15 December 2017.

## 8.2. Oral communications in conferences<sup>2</sup>

- Turkelboom, F., Leone, M., Kelemen, E., García-Llorente, M., Baró, F., Where is the collective action? Stakeholder responses in face of ecosystem services trade-offs. XVII Biennial IASC-Conference, *'In Defense of the Commons: Challenges, Innovation, and Action'*, Lima, Peru, July 1-5 2019.
- Baró, F. [speaker], Calderón-Argelich, A., Langemeyer, J. Street trees benefits: assessing socio-spatial inequalities in Barcelona. Ecosystem Service Partnership (ESP) European Regional Conference, *Ecosystem services in a changing world: moving from theory to practice*, San Sebastián, Spain, 11-19 October 2018.
- Calcagni, F., Nogué-Batallé, J., Baró, F., Langemeyer, J. A tag is worth a thousand pictures: Social media metadata analysis to uncover plural cultural ecosystem services values. Ecosystem Service Partnership (ESP) European Regional Conference, *Ecosystem services in a changing world: moving from theory to practice*, San Sebastián, Spain, 11-19 October 2018.
- Mascarenhas, A., Wolff, M., Haase, D., Naumann, S., Davis, M., Roeschel, L., Baró, F., et al. Linkages between Green and Blue Infrastructure and Ecosystem Services in city planning: An analysis of selected cities in Europe and the United States. Ecosystem Service Partnership (ESP) European Regional Conference, *Ecosystem services in a changing world: moving from theory to practice*, San Sebastián, Spain, 11-19 October 2018.
- Turkelboom, F., Leone, M., Jacobs, S., Kelemen, E., García-Llorente, M., Baró, F., Stakeholder responses to ecosystem services trade-offs and conflicts. Ecosystem Service Partnership (ESP) European Regional Conference, *Ecosystem services in a changing world: moving from theory to practice*, San Sebastián, Spain, 11-19 October 2018.
- García-Lamarca, M., [...], Baró, F., et al. Urban green growth and social equity: for whom is the future green city? Second Biennial Conference of the Political Ecology Network (POLLEN), *POLLEN18: Political Ecology, the Green Economy, and Alternative Sustainabilities*, Oslo, Norway, 19-22 June, 2018.
- Kotsila, P., [...], Baró, F., et al. The green neoliberalism of urban Nature-based Solutions: challenges of multi-functionality versus just sustainability transformations in Barcelona. Second Biennial Conference of the Political Ecology Network (POLLEN), *POLLEN18: Political Ecology, the Green Economy, and Alternative Sustainabilities*, Oslo, Norway, 19-22 June, 2018.
- Turkelboom, F., Leone, M., Jacobs, S., Kelemen, E., García-Llorente, M., Baró, F., Termansen, M., Barton, D.N., Berry, P., Stange, E. When we cannot have it all: Ecosystem services trade-offs in real-life planning contexts. II Open Science Conference of the Programme of Ecosystem Change and Society (PECSII), *Place-based transdisciplinary research for Global Sustainability*, Oaxaca City, Mexico, 7-10 November, 2017.
- Basnou, C., Baró, F., Langemeyer, J., Castell, C., Dalmases, C., Pino, J. Biodiversity and ecosystem services in the province of Barcelona. Implications for green infrastructure planning at landscape scale. European Forum on Urban Forestry (EFUF), *Urban Forest Boundaries. Within, between and beyond the city*, Barcelona, Spain, 31 May – 2 June 2017.

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<sup>2</sup> Conducted by F. Baró indicated with “[speaker]”

- Baró, F. [speaker], Gómez-Baggethun, E., Haase, D. Ecosystem service bundles along the urban-rural gradient: Implications for landscape planning and management. Ecosystem Service Partnership (ESP) European Regional Conference, *Helping nature to help us*, University of Antwerp, Belgium, 19-23 September 2016.
- Turkelboom, F., [...], Baró, F., et al. When you cannot have it all: Ecosystem services trade-offs in local planning contexts. Ecosystem Service Partnership (ESP) European Regional Conference, *Helping nature to help us*, University of Antwerp, Belgium, 19-23 September 2016.
- Langemeyer, J., Calcagni, F., Baró, F. Mapping aesthetic value for land use planning using crowdsourced indicators– the case study of the Barcelona Province. Ecosystem Service Partnership (ESP) European Regional Conference, *Helping nature to help us*, University of Antwerp, Belgium, 19-23 September 2016.
- Langemeyer, J., [...], Baró, F., et al. Enhancing ecosystem services in cities through multifunctional rooftop gardens. Insights from a co-designed pilot project in Barcelona, Spain. Growing in cities: Interdisciplinary Perspectives on Urban Gardening International Conference. Basel, Switzerland, 9-10 September 2016.
- Castell, C., Baró, F., Pino, J. Planning of open spaces at local and regional scales. An approach from ecosystem services and green infrastructure [in Spanish]. VIII International Congress of Spatial Planning (*VIII Congreso Internacional de Ordenación del Territorio*), *New Times, New Objectives*, Fuerteventura, Spain, 25-27 May 2016.
- Turkelboom, F., [...], Baró, F., et al. Ecosystem services real-world applications: The proof of the pudding is in the eating! 8<sup>th</sup> Ecosystem Services Partnership (ESP) World Conference, *Ecosystem Services for Nature, People and Prosperity*. Stellenbosch, South Africa, 9-13 November 2015.
- Baró, F. [invited speaker] Chaparro, L., Gómez-Baggethun, E., Langemeyer, J., Nowak, D. J., Terradas, J. Contribution of Barcelona's green space to air quality and climate change [in Spanish]. XVI Spanish Congress on Arboriculture, *The contribution of trees in the sustainable city*. Valencia, Spain, 23-25 October 2014.
- Langemeyer, J., Gómez-Baggethun, E., Baró, F. Integrating multiple ecosystem service values by social multi-criteria evaluation – an application to inform urban policy making. The 11<sup>th</sup> Biennial Conference of the International Society of Ecological Economics (ISEE), *Well-being and equity within planetary boundaries*. University of Iceland, Iceland, 13-15 August 2014.
- Baró, F. [speaker], Gómez-Baggethun, E., Haase, D., Palomo, I. Mapping ecosystem services in the urban region of Barcelona to support local and regional decision-making. Resilience 2014. 3<sup>rd</sup> International Science and Policy Conference on the resilience of social & ecological systems: *Resilience and Development: Mobilizing for transformation*. Montpellier, France, 4-8 May 2014.
- Langemeyer, J., Haase, D., McPhearson, T., Kremer, P., Baró, F., Rall, E., Gómez-Baggethun, E., Frantzeskaki, N. Multi-criteria framework for enhancing relevance of urban ecosystem service assessments for policy-making. Society for Urban Ecology (SURE) World Conference, Berlin, Germany, 25-27 July 2013.
- Baró, F., Langemeyer, J., Gómez-Baggethun, E., Chaparro, L., Terradas, J. 2013. Quantifying regulating ecosystem services provided by urban forests in Barcelona, Spain. The 10<sup>th</sup> biennial conference of the ESEE 2013 Ecological Economics and Institutional Dynamics. Lille, France, 18-21 June 2013.

- Langemeyer, J., Baró, F., Gómez-Baggethun, E. 2013. Valuing urban ecosystem services: Three examples from Barcelona–Urban Gardens, Parks & Forests. Resilience Cities Conference, Bonn, Germany, 31 May – 2 June 2013.
- Frantzeskaki, N., Haase, D., Baró, F., Gomez-Baggethun, E., Artmann, M., Schewenius, M., Elmqvist, T., Kaczorowska, A., Kain, J-H., van Ham, C. 2013. Socio-ecological transitions of cities. Exploring spatial, ecological and governance dynamics in European cities. The 4<sup>th</sup> International Conference on Sustainability Transitions. Zurich, Switzerland, 19-21 June 2013.

### 8.3. Invited oral talks in seminars, workshops and meetings

- Baró, F., Calderón, A. Ecosystem services patterns of street trees in Barcelona [in Catalan]. Technical Seminar on “The services of green spaces and urban trees of Barcelona”. Organized by Barcelona City Council, Barcelona, 14 December 2018.
- Baró, F. Roundtable on considerations for greening cities inclusively to enhance human wellbeing. International symposium “Beyond renaturing cities: Integrating social justice and health equity in urban greening”. Organized by IUCN, ICLEI, ICTA-UAB and other organizations under the framework of the ENABLE, NATURVATION and Greenlulus projects, Barcelona, Spain, 13 December 2018.
- Baró, F. Nature-based solutions: a European vision [in Catalan]. Technical Seminar on Natural Areas “Renaturing towns: nature-based solutions”. Organized by Barcelona Regional Council (Network of Natural Parks), Gavà, Spain, 27 November 2018. 90 attendees.
- Baró, F. Ecosystem Services in Cities: Key Pathways Between Green Space and Human Health? Seminar of Critical Urban Health Discussion Series. Organized by IMIM, Barcelona, Spain, 7 June 2018.
- Baró, F. Roundtable on the value of green space [in Catalan]. Seminar on the Naturalization and Benefits of Green Space in Barcelona. Organized by Barcelona City Council, Barcelona, Spain, 4 June 2018.
- Baró, F. Nature-based solutions in Mediterranean cities. Expert’s meeting “Towards the implementation of Nature-based solutions in Mediterranean cities”. Organized by IUCN-Med, Málaga, Spain, 20-21 February 2018.
- Baró, F. Ecosystem services in the province of Barcelona [in Catalan]. Seminar for environmental educators and technicians of the Natural Parks Network of Diputació de Barcelona (Barcelona Regional Council), Barcelona, Spain, 19 December 2017.
- Baró, F. Urban green infrastructure in the European context [in Spanish]. Seminar on “Urban Green Infrastructure” (“*Donem pas al verd*”). Organized by Barcelona City Council and Spanish Association of Public Parks and Gardens, Barcelona, Spain, 27 June 2017.
- Baró, F. [participant] SDG Labs. Collaborative thinking for greener cities. Organized by Altekio and Autonomous University of Madrid and supported by Future Earth and Stockholm Resilience Centre, Madrid, Spain, 20 June 2017.
- Baró, F. The benefits of urban green space for quality of life [in Catalan]. II Forum of “Viles Florides” (Flower Towns). Organized by “Viles Florides” (<https://vilesflorides.cat/>), Blanes, Spain, 28 April 2017.

- Baró, F. What are nature-based solutions? [in Catalan]. Seminar “Urban resilience for climate change local adaptation. Organized by Barcelona Regional Council and Catalan Professional Association of Environmental Scientists (COAMB), Barcelona, Spain, 31 March 2017.
- Baró, F. The ecosystem services of urban green space [in Catalan]. Seminar series “Green City” on City, Environment, Health and Drawing. Barcelona City Council, Barcelona, Spain, 10 June 2016.
- Gómez-Baggethun, E., Baró, F. Ecosystem services provided across urban-rural gradients. Workshop ‘Ecogradientes’, Autonomous University of Madrid (UAM), Madrid, Spain, 7 July 2015.
- Baró, F., Langemeyer, J., Gómez-Baggethun, E. Integrating ecosystem services and green infrastructure in urban planning: Case study in the Barcelona Metropolitan Region. OpenNESS Annual meeting, 20-24 April 2015, Barcelona, Spain.
- Baró, F. Monetary & non-monetary valuation of urban ecosystem services. URBES 3rd Training Session - *An in-depth insight in the results of the URBES Project*. Brussels, Belgium, 14 January 2015.
- Baró, F., Martín-López, B., Palomo, I. Ecosystem service supply and demand spatial (mis)matches. OpenNESS WP 3/4/5 Integrated Assessment & Valuation Workshop. Edinburgh, UK, 17-21 November 2014.
- Martín-López, B., Baró, F., Palomo, I. Integrated mapping of ecosystem services supply and demand. AGFORWARD (Agroforestry for Europe) WP 7 Meeting, Copenhagen, Denmark, 12 November 2014.
- Baró, F. The URBES project: urbanization and ecosystems [in Catalan]. “Ecotendències” seminar series: *Ecosystems and biodiversity: an economic resource?* Barcelona, Spain, 3 June 2014.
- Baró, F. Operationalization of the Ecosystem Services Framework in Urban Areas. ICTA-UAB seminars in Ecological Economics, Ethno-Ecology and Integrated Assessment. Cerdanyola del Vallès, Spain, 29 January 2014.
- Baró, F., Gómez-Baggethun, E. Sustainable urban planning in the metropolitan region of Barcelona. 1<sup>st</sup> OpenNESS Workshop. Loch Leven, UK, 21-24 October 2013.

#### 8.4. Poster presentations in conferences, seminars and workshops

- Kopperoinen, L., Baró, F. [presenter], et al. Integrating nature-based solutions in urban planning: examples from five case studies. *Nature-based solutions to climate change in urban areas and their rural surroundings - linkages between science, policy and practice*. European Conference on Biodiversity and Climate Change (ECBCC), Bonn, Germany, 17-19 November 2015.
- Langemeyer, J., Baró, F., Gómez-Baggethun, E. Multi-Criteria Evaluation of Ecosystem Services – Informing Urban Green Infrastructure Policies. 11<sup>th</sup> International Conference of the European Society for Ecological Economics (ESEE 2015): *Transformations*. Leeds, UK, 30 June – 3 July 2015.
- Baró, F. [presenter], Langemeyer, J., Gómez-Baggethun, E. Integrating ecosystem services and green infrastructure in urban planning: Case study in the Barcelona Metropolitan Region. 2<sup>nd</sup> OpenNESS Annual meeting, Barcelona, Spain, 20-24 April 2015.
- Baró, F. [presenter], Langemeyer, J., Gómez-Baggethun, E. Sustainable planning of urban green infrastructure in the metropolitan region of Barcelona. 1<sup>st</sup> OpenNESS Annual meeting, Budapest, Hungary, 24-28 March 2014.

- Baró, F., Haase, D., Gómez-Baggethun, E., Frantzeskaki, N. Assessing the mismatch between supply and demand of urban ecosystem services at city scale. A comparative analysis of European cities. Society for Urban Ecology (SURE) World Conference, Berlin, Germany, 25-27 July 2013.
- Baró, F., Gómez-Baggethun, E., Barton, D. The ecology and economics of urban ecosystem services. A spatially explicit approach in the city of Barcelona. The 10<sup>th</sup> Biennial Conference of the ISEE 2012, Ecological Economics and Rio+20: Challenges and Contributions for a Green Economy. Rio de Janeiro, Brazil, 16-19 June 2012.

### 8.5. Stakeholder engagement activities

I have served as (co-)organizer and knowledge broker in the following stakeholder engagement activities linked to research projects:

- “Beyond renaturing cities: Integrating social justice and health equity in urban greening”. International Symposium and stakeholder workshop organized by IUCN, ICLEI, ICTA-UAB and other organizations under the framework of the ENABLE, NATURVATION and Greenlulus projects, Barcelona, Spain, 13 December 2018. 122 participants.
- “Exploring green roofs as nature-based solutions in Barcelona: guided tour in rooftop garden of IMPD”. Stakeholder workshop organized by ICTA-UAB and ENT under the framework of the ENABLE, NATURVATION and Greenlulus projects, Barcelona, Spain, 5 June 2018. 42 participants.
- “Nature-based solutions and health: Can we make healthier cities through NBS?”. Stakeholder workshop organized by ICTA-UAB and ENT under the framework of the ENABLE and NATURVATION projects, Barcelona, Spain, 6 March 2018. 42 participants.
- “How to increase and enhance green infrastructure in compact cities? The Barcelona Urban Green Infrastructure Program”. Stakeholder workshop organized by ICTA-UAB and ENT under the framework of the ENABLE and NATURVATION projects, Barcelona, Spain, 5 December 2017. 24 participants.
- “Barriers and opportunities to integrate nature-based solutions in urban planning”. Stakeholder workshop organized by ICTA-UAB and ENT under the framework of the ENABLE and NATURVATION projects, Barcelona, Spain, 12 July 2017. 24 participants.
- “Identification, mapping and prioritization of nature-based solutions in the metropolitan area of Barcelona”. Stakeholder workshop organized by ICTA-UAB and ENT under the framework of the ENABLE and NATURVATION projects, Barcelona, Spain, 28 March 2017. 33 participants.
- “Case study advisory board (CAB) for the implementation of green infrastructure and ecosystem services in the province of Barcelona” (3<sup>rd</sup> meeting). Stakeholder workshop organized by ICTA-UAB and Barcelona Regional Council under the framework of the OpenNESS project, Barcelona, Spain, 19 December 2016. 19 participants.
- “Case study advisory board (CAB) for the implementation of green infrastructure and ecosystem services in the province of Barcelona” (2<sup>nd</sup> meeting). Stakeholder workshop organized by ICTA-UAB and Barcelona Regional Council under the framework of the OpenNESS project, Barcelona, Spain, 15 October 2015. 24 participants.
- “Case study advisory board (CAB) for the implementation of green infrastructure and ecosystem services in the province of Barcelona” (1<sup>st</sup> meeting). Stakeholder workshop organized by ICTA-

UAB and Barcelona Regional Council under the framework of the OpenNESS project, Barcelona, Spain, 26 November 2014. 26 participants.

### 8.6. Appearances in the media

- Interview for the online newspaper “elpural.com” on the outreach article “Cities, pollution and climate change: to what extent can green infrastructure help?” 21 December 2018 via telephone call. Edited interview available at: [https://www.elplural.com/el-telescopio/sostenibilidad/sirven-areas-verdes-urbanas-contra-contaminacion-cambioclimatico\\_208793102](https://www.elplural.com/el-telescopio/sostenibilidad/sirven-areas-verdes-urbanas-contra-contaminacion-cambioclimatico_208793102)
- Interview for an exhibition on the urban green space of Barcelona promoted by the City Council. 3 September 2018 in Barcelona. Video available at: <https://youtu.be/w9NPD2SXs9I>
- Interview for a website and exhibition on the PDU (Barcelona Metropolitan Master Plan of Barcelona) and green infrastructure promoted by the Barcelona Metropolitan Authority (AMB). 25 July 2018 in Barcelona. Video available at: <https://youtu.be/gFj8Sw1Qgnc>
- Debate on re-naturing cities. Econòmix radio program in Ràdio 4 (RNE). 6 July 2018. Audio available at: <http://www.rtve.es/alacarta/audios/economix/economix-6-juliol-del-2018/4655578/>
- Debate on urban greening in Barcelona. El Matí de Barcelona radio program in Betevé. 26 June 2018. Audio available at: <https://beteve.cat/el-mati-de-barcelona-910fm/el-mati-de-barcelona-320/>
- Several Spanish press media published articles based on the publications from my PhD thesis (Urban Green Infrastructure). For example: <http://www.lavanguardia.com/natural/20140430/54407411005/espacios-verdes-barcelona-reducen-contaminacion-aire.html>
- Interview on urban gardens for noise and air pollution reduction. Cadena SER radio. 27 October 2014 Audio available at: [http://cadenaser.com/ser/2014/10/27/ciencia/1414421308\\_216586.html](http://cadenaser.com/ser/2014/10/27/ciencia/1414421308_216586.html)