

Paula Novo
Sustainable Ecosystems
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Research interests

I have an interdisciplinary background in agriculture, development studies and economics and policy. My research focuses on the economics and governance of natural resources with a focus on water and conservation research. I develop my research work along the following main research lines: i) environmental values and governance; ii) monetary and non-monetary valuation of natural resources and iii) resilience and climate change adaptation. I use a mixed methods approach combining quantitative, qualitative and participatory methods and I am increasingly interested in the use of arts-based approaches to sustainability. I have conducted empirical research in Scotland, Spain, Mexico, Nicaragua, Suriname, Ethiopia and more recently Myanmar.

Qualifications

PhD, Technical University of Madrid
Award Date: 20 Nov 2013

Master, Wageningen University & Research
Award Date: 15 Jan 2008

Bachelor, Technical University of Madrid
Award Date: 15 Oct 2007

Employment

Researcher / Lecturer / Deputy Programme Director

Sustainable Ecosystems
Scotland's Rural College
4 Jul 2017 → present

Research outputs

Transforming knowledge systems for life on Earth: Visions of future systems and how to get there

Fazey, I., Schöpke, N., Caniglia, G., Hodgson, A., Kendrick, I., Lyon, C., Page, G., Patterson, J., Riedy, C., Strasser, T., Verveen, S., Adams, D., Goldstein, B., Klaes, M., Leicester, G., Linyard, A., McCurdy, A., Ryan, P., Sharpe, B., Silvestri, G. & 163 others, Abdurrahim, A. Y., Abson, D., Adetunji, O. S., Aldunce, P., Alvarez-Pereira, C., Amparo, J. M., Amundsen, H., Anderson, L., Andersson, L., Asquith, M., Augenstein, K., Barrie, J., Bent, D., Bentz, J., Bergsten, A., Berzonsky, C., Bina, O., Blackstock, K., Boehnert, J., Bradbury, H., Brand, C., Böhme (born Sangmeister), J., Bøjer, M. M., Carmen, E., Charli-Joseph, L., Choudhury, S., Chunhachoti-ananta, S., Cockburn, J., Colvin, J., Connon, I. L. C., Cornforth, R., Cox, R. S., Cradock-Henry, N., Cramer, L., Cremaschi, A., Dannevig, H., Day, C. T., de Lima Hutchison, C., de Vrieze, A., Desai, V., Dolley, J., Duckett, D., Durrant, R. A., Egermann, M., Elsner (Adams), E., Fremantle, C., Fullwood-Thomas, J., Galafassi, D., Gobby, J., Golland, A., González-Padrón, S. K., Gram-Hanssen, I., Grandin, J., Grenni, S., Lauren Gunnell, J., Gusmao, F., Hamann, M., Harding, B., Harper, G., Hesselgren, M., Hestad, D., Heykoop, C. A., Holmén, J., Holstead, K., Hoolohan, C., Horcea-Milcu, A. I., Horlings, L. G., Howden, S. M., Howell, R. A., Huque, S. I., Inturias Canedo, M. L., Iro, C. Y., Ives, C. D., John, B., Joshi, R., Juarez-Bourke, S., Juma, D. W., Karlsen, B. C., Kliem, L., Kläy, A., Kuenkel, P., Kunze, I., Lam, D. P. M., Lang, D. J., Larkin, A., Light, A., Luederitz, C., Luthe, T., Maguire, C., Mahecha-Groot, A. M., Malcolm, J., Marshall, F., Maru, Y., McLachlan, C., Mmbando, P., Mohapatra, S., Moore, M. L., Moriggi, A., Morley-Fletcher, M., Moser, S., Mueller, K. M., Mukute, M., Mühlemeier, S., Naess, L. O., Nieto-Romero, M., Novo, P., Ó'Brien, K., O'Connell, D. A., O'Donnell, K., Olsson, P., Pearson, K. R., Pereira, L., Petridis, P., Peukert, D., Phear, N., Pisters, S. R., Polsky, M., Pound, D., Preiser, R., Rahman, M. S., Reed, M. S., Revell, P., Rodriguez, I., Rogers, B. C., Rohr, J., Nordbø Rosenberg, M., Ross, H., Russell, S., Ryan, M., Saha, P., Schleicher, K., Schneider, F., Scoville-Simonds, M., Searle, B., Sebhatu, S. P., Sesana, E., Silverman, H., Singh, C., Sterling, E., Stewart, S. J., Tàbara, J. D., Taylor, D., Thornton, P., Tribaldos, T. M., Tschakert, P., Uribe-Calvo, N., Waddell, S., Waddock, S., van der Merwe, L., van Mierlo, B., van Zwanenberg, P., Velarde, S. J., Washbourne, C. L., Waylen, K., Weiser, A., Wight, I., Williams, S., Woods, M., Wolstenholme, R., Wright, N., Wunder, S., Wyllie, A. & Young, H. R., 25 Sep 2020, In : Energy Research and Social Science. 70, 101724.

A systems model describing the impact of organic resource use on farming households in low to middle income countries
Smith, J., Nayak, D. R., Datta, A., Nivrutti Narkhede, W., Albanito, F., Balana, B. B. B., Bandyopadhyay, S., Black, H., Boke, S., Brand, A., Byg, A., Dinato, M., Habte, M., Hallett, P. D., Lemma Argaw, T., Mekuria, W., Moges, A., Muluneh, A., Novo, P., Rivington, M. & 4 others, Tefera, T., Vanni, M., Yakob, G. & Phimster, E., Sep 2020, In : *Agricultural Systems*. 184, 102895.

Caring for Cinderella – Perceptions and experiences of peatland restoration in Scotland
Byg, A., Novo, P. & Kyle, C., 9 Aug 2020, In : *People and Nature*. p. 1-11

Stakeholder perceptions of public good provision from agriculture and implications for governance mechanism design
Roberts, M., Byg, A., Faccioli, M., Novo, P. & Kyle, C., 13 Jul 2020, In : *Journal of Environmental Planning and Management*. p. 1-19 19 p.

Policy Instruments for Environmental Public Goods: Interdependencies and Hybridity
Blackstock, K., Novo, P., Byg, A., Creaney, R., Juarez Bourke, A., Maxwell, J., Tindale, S. J. & Waylen, K. A., 12 May 2020, In : *Land Use Policy*. 104709.

Revisiting the Determinants of Pro-Environmental Behaviour to Inform Land Management Policy: A Meta-Analytic Structural Equation Model Application
Okumah, M., Martin-Ortega, O., Novo, P. & Chapman, P. J., 30 Apr 2020, In : *Land*. 9, 5, p. 1-36 135.

Informing incentive-based management of hilsa fish in Myanmar: Results of a choice experiment
Glenk, K., Novo, P., Khaing, W. W., Lwin, W. W., Burcham, L., Mohammed, E. Y., Soe, K. M., Akester, M., Bladon, A. & Merayo, E., 1 Mar 2020, London: IIED, 36 p.

A wetland ecosystem service assessment tool: development and application in a tropical peatland in Uganda
Langan, C., Farmer, J., Rivington, M., Novo, P. & Smith, J. U., Aug 2019, In : *Ecological Indicators*. 103, p. 434-445 12 p.

Treatment of organic resources before soil incorporation in semi-arid regions improves resilience to El Niño, and increases crop production and economic returns
Smith, J., Nayak, D., Albanito, F., Balana, B., Black, H., Boke, S., Brand, A., Byg, A., Dinato, M., Habte, M., Hallett, P., Lemma Argaw, T., Mekuria, W., Moges, A., Muluneh, A., Novo, P., Rivington, M., Tefera, T., Vanni, M., Yakob, G. & 1 others, Phimster, E., 26 Jul 2019, In : *Environmental Research Letters*. 14, 8, 085004.

Nature commodification: 'a necessary evil'? An analysis of the views of environmental professionals on ecosystem services-based approaches
Martin-Ortega, J., Mesa-Jurado, M. A., Pineda-Vazquez, M. & Novo, P., Jun 2019, In : *Ecosystem Services*. 37, 11 p., 100926.

Exploring temporality in socio-ecological resilience through experiences of the 2015-16 El Niño across the Tropics
Whitfield, S., Beauchamp, E., Boyd, D., Burslem, D., Byg, A., Colledge, F., Cutler, M., Diden, M., Dougill, A., Foody, G., Godbold, J., Hazenbosch, M., Hirons, M., Speranza, C., Jew, E., Lacambra, C., Mkwambisi, D., Moges, A., Morel, A., Morris, R. & 8 others, Novo, P., Rueda, M., Smith, H., Solan, M., Spencer, T., Thornton, A., Touza, J. & White, P., 1 Mar 2019, In : *Global Environmental Change*. 55, p. 1-14 14 p.

Mitigating agricultural diffuse pollution: uncovering the evidence base of the awareness-behaviour-water quality pathway
Okumah, M., Chapman, P. J., Martin-Ortega, J. & Novo, P., 24 Dec 2018, In : *Water*. 11, 1, p. 29 - 47 19 p.

Effects of awareness on farmers' compliance with diffuse pollution mitigation measures: a conditional process modelling
Okumah, M., Martin-Ortega, J. & Novo, P., 22 Aug 2018, In : *Land Use Policy*. 76, p. 36 - 45 10 p.

Trees, soils, and warthogs – distribution of services and disservices from reforestation areas in southern Ethiopia
Byg, A., Novo, P., Dinato, M., Moges, A., Tefera, T., Balana, B., Woldeamanuel, T. & Black, H., 1 Nov 2017, In : *Forest Policy and Economics*. 84, p. 112-119 8 p.

What do we know about decision support systems for landscape and environmental management? A review and expert survey within EU research projects

Zasada, I., Piorr, A., Novo, P., Villanueva, A.J. & Valanszki, I., 9 Oct 2017, In : Environmental Modelling and Software. 98, p. 63 - 74 12 p.

Accounting for the assimilative capacity of water systems in Scotland

Novo, P., 26 Jul 2017, In : Water. 9, 8, p. 559 - 571 13 p.

Conservation in the face of ambivalent public perceptions – the case of peatlands as ‘the good, the bad and the ugly’

Byg, A., Martin-Ortega, J., Glenk, K. & Novo, P., 9 Jan 2017, In : Biological Conservation. 206, p. 181 - 189 9 p.

How do individuals and groups perceive wetland functioning? Fuzzy cognitive mapping of wetland perceptions in Uganda

Bosma, C., Glenk, K. & Novo, P., 28 Oct 2016, In : Land Use Policy. 60, p. 181 - 196 16 p.

Projects

Carrots and Sticks: incentives to conserve Hilsa fish in Myanmar

Glenk, K. & Novo, P.

5/02/19 → 30/09/19

Resilient people need resilient ecosystems in smart cities RESPIRES

Novo, P.

14/02/19 → 14/08/22