



What's New?

[What's New?](#) is a current digest of the Population-Environment Research Network (PERN), containing pertinent and up to date information to facilitate research and advance knowledge of population environment relationships. Previous "What's New" newsletters (pdf) can be found via the "Past Newsletters" menu at the bottom of this page. Also try the top menu links to search/browse [Events Calendar](#), [Jobs/Funding](#), and [eLibrary](#) listings by year.

Special Announcements

February 2021

- In collaboration with colleagues at Oregon State University and with co-sponsorship from the GEO Human Planet Initiative, PERN is organizing a cyberseminar on Refugee and Internally Displaced Populations, Environmental Impacts and Climate Risks, 10-18 May 2021. For more details visit: <https://www.populationenvironmentresearch.org/cyberseminars>. The list of panelists will be added soon.
- PERN is pleased to announce that Dr. Kathryn Grace will chair the Scientific Committee until January 2023. Dr. Grace is an Associate Professor of Geography, Environment and Society at the University of Minnesota where her research and teaching focus on topics related to population geography, demography and health. For more information visit <https://kathryn-grace.dash.umn.edu/> and <https://scholar.google.com/citations?hl=en&user=qgKdJWMAAAAJ>.
- PERN wishes to thank the following Scientific Committee members who rotated off at the beginning of this year for their contributions to the network: Raya Muttarak (chair), Andres Ignacio, Leiwen Jiang, Elma Montaña, David Rain, Brooke Wilmsen, and David Wrathall.

Conferences/Workshops/Public Discussions

- Sustainability Research & Innovation Congress 2021. 12-15 June 2021, Virtual and onsite in Brisbane, Australia
- 2021 Managed Retreat Conference. At What Point Managed Retreat? Resilience, Relocation and Climate Justice, 22-25 June, Virtual Conference
- Call for papers. IUSSP – International Population Conference 2021 (IPC 2021), 5-10 December 2021, Virtual and onsite in Hyderabad, India

Funding/Study/Work Opportunities

- Two Post-doctoral positions at INED, France
- Masters Scholarship Opportunities for 2021-2022 at the London School of Hygiene and Tropical Medicine (LSHTM)
- The 2021 Intelligence Community Postdoctoral Research Fellowship Program
- Assistant Professor in "Big Data Analytics for Natural Resources" ITC/University of Twente

CONFERENCES/WORKSHOPS/PUBLIC DISCUSSIONS – DETAILS:

For a complete list of meetings visit the [Conference Calendar](#)

Sustainability Research & Innovation Congress 2021. 12-15 June 2021, Virtual and onsite in Brisbane, Australia

The Sustainability Research & Innovation Congress 2021 (SRI2021) is the world's first transdisciplinary gathering in sustainability – it will be a space of fierce advocacy for sustainability scholarship, innovation, collaboration and action.

This annual event unites global sustainability leaders, experts, industry and innovators to inspire action and promote a sustainability transformation. For the first time, the Congress will launch as a hybrid event with a diverse and innovative online program alongside onsite participation. In addition to the 100+ sessions available throughout the day and night, thanks to the global reach of SRI and partners, the SRI2021 Online Package includes exclusive events and services, starting as soon as February 2021.

SRI is a joint initiative of Future Earth and the Belmont Forum. Australia, who hosts the Congress in 2021, has a unique role to play in the global community as a conduit between the Global North and the Global South, indigenous peoples and traditional sustainability practices. The local hosting consortium, led by Future Earth Australia and CSIRO, features academia and government partners from Brisbane and the State of Queensland to meet the breadth of the SRI2021 agenda.

For more information, see <https://sri2021.org/>

2021 Managed Retreat Conference. At What Point Managed Retreat? Resilience, Relocation and Climate Justice, 22-25 June, Virtual Conference

Building on the success of the 2019 conference on Managed Retreat, the 2021 conference will address a range of scientific, social, policy and governance issues around managed retreat (also known as strategic realignment and planned relocation). The conference, a major initiative of Columbia University's Earth Institute, will bring together stakeholders from the public, private and nonprofit sectors, together with academics, scientists, and community representatives, to help develop a common understanding of this complex issue, and move the needle toward equitable solutions. A major emphasis will be on issues of environmental justice, in recognition that the people most impacted by decisions around retreat have a key role in these conversations.

For more information, see 2021 Conference homepage:

<https://adaptation.ei.columbia.edu/content/2021-conference-homepage>

Call for papers. IUSSP – International Population Conference 2021 (IPC 2021), 5-10 December 2021, Virtual and onsite in Hyderabad, India

The International Population Conference 2021 (IPC 2021) scheduled to take place in Hyderabad, India, will go on but will now have a completely different format. Instead of being a fully “live” onsite conference, IPC 2021 will be hybrid, most likely a combination of several in-person sessions in India, while most sessions will be virtual. IPC 2021 will run on and around 5-10 December 2021.

If you are working in population and related fields, you are warmly invited to submit an abstract of recent research for presentation in an oral or poster session. All abstracts must be submitted online via the IPC2021 website, which is scheduled to open for submissions on **01 March 2021**. Individuals can submit no more than 2 abstracts. **The deadline for submissions has been extended to 15 May 2021.**

Submissions must include a short, 200-word abstract and an extended (2-4-page) summary describing the topic including theoretical focus, data, research methods, and expected findings. All submissions will be reviewed by 2 anonymous experts on the topic area. Theme conveners will select abstracts for inclusion in the programme based on reviews and the paper's relevance/ appropriateness for sessions created in the theme.

Population and Environment is one of the conference's themes.

For more information on the IPC 2021, please see the [Call for Papers](#).

FUNDING/STUDY/WORK OPPORTUNITIES – DETAILS:

For more listings visit the [Jobs/Funding](#) page

Two Post-doctoral positions at INED, France

The French Institute for Demographic Studies (INED) and the iPOPs Laboratory of Excellence are inviting applications for two post-doctoral positions:

- 1 two-year post-doctoral position in one of Ined's 11 units (10 research units and one mixed service unit)
- 1 one-year post-doctoral position in one of iPOPs' 6 partner research centers

Deadline for applications: **3 March 2021, 12:00 PM (noon), Paris time**

The applicant must fulfill the following three criteria:

- The applicant must hold a PhD awarded after 03/03/2017, or have defended their dissertation prior to the start date of the post-doctoral contract (12/15/2021 at the latest) in a discipline related to the population sciences, including demography, economics, epidemiology, history and sociology.
- The applicant must not have been hosted at the requested host research institution during their doctoral research for a total period exceeding six months.
- The applicant must have the endorsement of a mentor who commits to support them throughout their period of employment. Applicants should directly contact researchers at INED or in partner laboratories.

There are no nationality or age requirements.

Full information is available at: <https://www.ined.fr/en/research/post-doc/Call-for-applications/>

Masters Scholarship Opportunities for 2021-2022 at the London School of Hygiene and Tropical Medicine (LSHTM)

Masters Scholarship Opportunities for 2021-2022 at the London School of Hygiene and Tropical Medicine (LSHTM)

MSc Demography and Health

MSc Reproductive and Sexual Health Research

Full scholarships available for low and middle income countries (LMIC). See list of countries here (<https://iussp.org/sites/all/modules/contrib/civicrm/extern/url.php?u=8216&qid=2642140>)

1. LSHTM Fund Scholarship – deadline February 28th 2021 - 2021-22 LSHTM Fund Scholarship, <https://iussp.org/sites/all/modules/contrib/civicrm/extern/url.php?u=8217&qid=2642140>
2. GSK Scholarships for Future Health Leaders – deadline February 28th 2021 -2021-22 GSK Scholarships for Future Health Leaders, <https://iussp.org/sites/all/modules/contrib/civicrm/extern/url.php?u=8218&qid=2642140>

For further details of the Masters programmes please see the following links:

MSc Demography and Health MSc D and H

(<https://iussp.org/sites/all/modules/contrib/civicrm/extern/url.php?u=8219&qid=2642140>)

MSc Reproductive and Sexual Health Research MSc RSHR

(<https://iussp.org/sites/all/modules/contrib/civicrm/extern/url.php?u=8220&qid=2642140>)

The 2021 Intelligence Community Postdoctoral Research Fellowship Program

The Intelligence Community (IC) Postdoctoral Research Fellowship Program offers scientists and engineers from a wide variety of disciplines unique opportunities to conduct research in a wide range of topics relevant to the Intelligence Community. The research is conducted by the Postdocs, while working in partnership with a Research Advisor and collaborating with an advisor from the Intelligence Community.

In partnership with the Research Advisor, the Postdoc composes and submits a technical proposal that responds to a research opportunity identified at: <https://orise.orau.gov/icpostdoc/current-opportunities.html>

Award Details:

- Stipends range from \$75,000 to \$79,000, depending on research location.
- Annual travel budget of up to \$6,000
- Appointments for two years, and option to extend for a third year
- Host institutions receive an annual laboratory budget of up to \$5,000.
- Advisors receive a \$10,000 stipend and a travel budget of up to \$2,000.

Postdoc Eligibility:

- U. S. citizenship required
- Ph.D. received within 5 years of the application deadline

Applications Accepted **Jan. 4 - Feb. 26, 2021**

For more information, see <https://orise.orau.gov/icpostdoc/current-opportunities.html>

Assistant Professor in "Big Data Analytics for Natural Resources" ITC/University of Twente

The Department of Natural Resources (NRS) at ITC/University of Twente in The Netherlands seeks to hire an Assistant Professor with expertise in big data analytics.

The Department of Natural Resources aims to enable society to effectively develop and use geo-information and Earth observation knowledge and technologies for agricultural and environmental sustainability. The activities of the department are expanding to address new opportunities in applying increasing volumes of remotely sensing imagery and ancillary GIS data layers for natural resource management at regional, continental, and global levels. The NRS specialise in using large volumes of image data derived from remote sensing that characterise the physical properties of vegetation and the environment from individual leaves, to landscape/ecosystem, and even global levels. Exploiting and modelling these increasingly large volumes of data to inform end users fills important gaps in our understanding of vegetation condition, biodiversity and environmental monitoring, forest management and food security and contribute to new approaches for upscaling and exploiting these data.

This position will complement and expand existing expertise in the NRS department. The position will

be a point of contact with ITC's Centre of Expertise in Big Geodata Science. ITC, and this position, are focused on collaboration to develop high-quality research outputs that demonstrate the societal impact of big data and open science.

A full description of the announcement can be found here:

https://www.academictransfer.com/en/297581/assistant-professor-in-big-data-analytics-for-natural-resources/?utm_source=ATEmailalert&utm_medium=email&utm_campaign=job_click

Deadline: **1 March 2021**

LITERATURE/NEW ADDITIONS TO DATABASE

- Aalok Ranjan Chaurasia. 2020. Population effects of increase in world energy use and CO2 emissions: 1990-2019. *Journal of Population and Sustainability* 5(1): 87-125
- Atlas of the Human Planet 2020, Kemper, T., Melchiorri, M., Carneiro Freire, S.M. and Ehrlich, D. editor(s), EUR 30516 EN, Publications Office of the European Union, Luxembourg, 2021, ISBN 978-92-76-27388-2 (online), 978-92-76-27389-9 (print), doi:10.2760/16432 (online), 10.2760/562514 (print), JRC122364.
- Benveniste, H., et al. 2020. Effect of border policy on exposure and vulnerability to climate change. *Proceedings of the National Academy of Sciences* 117(43): 26692-26702.
- Bonye, S.Z., Aasoglenang, T.A. & Yiridomoh, G.Y. 2021. Urbanization, agricultural land use change and livelihood adaptation strategies in peri-urban Wa, Ghana. *SN Soc Sci* 1, 9. <https://doi.org/10.1007/s43545-020-00017-1>
- Botzen, W.J.W., Martinius, M.L., Bröde, P. et al. 2020. Economic valuation of climate change–induced mortality: age dependent cold and heat mortality in the Netherlands. *Climatic Change* 162, 545–562 . <https://doi.org/10.1007/s10584-020-02797-0>
- Day, A., Magaña-González, C.R. and Wilson, K. 2020. Examining Indigenous perspectives on the health implications of large-scale agriculture in Jalisco, Mexico. *The Canadian Geographer / Le Géographe canadien*. <https://doi.org/10.1111/cag.12642>
- DeWaard, J., Johnson, J.E. & Whitaker, S.D. 2020. Out-migration from and return migration to Puerto Rico after Hurricane Maria: evidence from the consumer credit panel. *Popul Environ* 42, 28–42. <https://doi.org/10.1007/s11111-020-00339-5>
- Franzke, C.L.E., Torelló i Sentelles, H. 2020. Risk of extreme high fatalities due to weather and climate hazards and its connection to large-scale climate variability. *Climatic Change* 162, 507–525. <https://doi.org/10.1007/s10584-020-02825-z>
- Gutierrez, H., Lee, G.O., Corozo Angulo, B. et al. 2020. Perceptions of Local Vulnerability and the Relative Importance of Climate Change in Rural Ecuador. *Hum Ecol* 48, 383–395. <https://doi.org/10.1007/s10745-020-00165-1>
- Ilan Kelman. 2020. Disaster vulnerability by demographics? *Journal of Population and Sustainability* 4(2): 17-30.
- Jagarnath, M., et al. 2020. Heat stress risk and vulnerability under climate change in Durban metropolitan, South Africa—identifying urban planning priorities for adaptation. *Climatic Change* 163(2): 807-829
- Johnson, K., et al. 2021. Displaced by climate and disaster-induced relocations: Experiences of cascading displacement in Fiji and the Philippines. *Disasters*, <https://doi.org/10.1111/disa.12475>

- Jones, I. J., et al. 2020. Improving rural health care reduces illegal logging and conserves carbon in a tropical forest. *Proceedings of the National Academy of Sciences* 117(45): 28515-28524
- Khan, K., Su, CW., Tao, R. et al. 2020. Urbanization and carbon emission: causality evidence from the new industrialized economies. *Environ Dev Sustain* 22, 7193–7213. <https://doi.org/10.1007/s10668-019-00479-1>
- Lewis, D., et al. 2020. Linking land displacement and environmental dispossession to Mi'kmaw health and well-being: Culturally relevant place-based interpretive frameworks matter. *The Canadian Geographer / Le Géographe canadien*. <https://doi.org/10.1111/cag.12656>
- Martín, Y., Cutter, S.L., Li, Z. et al. 2020. Using geotagged tweets to track population movements to and from Puerto Rico after Hurricane Maria. *Popul Environ* 42, 4–27. <https://doi.org/10.1007/s11111-020-00338-6>
- Rahaman, M. A. and M. M. Rahman. 2020. Climate Justice and Food Security. *Environmental Policy*: 249-268.
- Ripan Debnath. 2020. Anticipating urbanization-led land cover change and its impact on local climate using time series model: a study on Dhaka city. *Journal of Population and Sustainability* 4(2): 45-66
- Spagat, M., van Weezel, S. 2020. Excess deaths and Hurricane María. *Popul Environ* 42, 79–94. <https://doi.org/10.1007/s11111-020-00341-x>
- Travis D. Edwards and Luis Gautier. 2020. Measuring net environmental impact from population growth and alternative energy. *Journal of Population and Sustainability* 4(2): 67-87.
- Watkins, D.J., Torres Zayas, H.R., Vélez Vega, C.M. et al. 2020. Investigating the impact of Hurricane Maria on an ongoing birth cohort in Puerto Rico. *Popul Environ* 42, 95–111. <https://doi.org/10.1007/s11111-020-00345-7>

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PERN is a panel of The International Union for the Scientific Study of Population (IUSSP) [↗](#) and a sustained partner of [Future Earth](#) [↗](#)

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