

PAN-Environment Invitation To Collaborate

We are seeking evidence documenting both positive and negative effects of the ongoing human confinement on how we observe nature, on how humans interact with nature, and on natural systems and wildlife.

We have designed a 5-6 minute questionnaire to start PAN-Environment. We ask for details below on how to contact you, the type of data you can provide, where your work is based and in what system. We also ask about your time frame for providing data. Your answers will allow us to propose a series of papers and special issues in journals that we hope you will join.

*** Required**

1. Email address *

2. Data contributor name *

3. Do you represent a group of researchers or a network? *

Mark only one oval.

☐ Yes

☐ No

4. Primary Contact *

Primary contact information for Data Contributor (email address where you can be easily reached for follow up)

5. Affiliation *

With which university, institute, or organization are you affiliated?

6. Address (optional)



Data information

7. What type of data are you able to contribute? (please note the types of responses that are of interest are below) *

Check all that apply

Check all that apply.

- ☐ Empirical (data-based)
- ☐ Anecdotal (newspaper stories, twitter, etc)
- ☐ Observation (I have a personal observation)
- ☐ Public domain (data collected from the public domain)

Other: ☐ _____

8. If you have empirical data, how will you attribute a response to the human confinement period?

Check all that apply.

- ☐ versus a control location
- ☐ versus a pre-covid period of time
- ☐ versus a post-covid period of time
- ☐ by calculating a slope across a time-series
- ☐ using a statistical model with predictors that relate to human activities that have changed due to covid

Other: ☐ _____

9. What response variables are you measuring? If you respond with "Other" we will follow up with you directly and ensure what you are measuring is fully captured. *

Please check all that apply. If your measured response(s) are not listed, please use "Other"

Check all that apply.

- ☐ Agriculture
- ☐ Air pollution
- ☐ Air quality index
- ☐ Air traffic
- ☐ Air traffic emissions
- ☐ Animal movements
- ☐ Anthropogenic noise
- ☐ Atmospheric carbon dioxide
- ☐ Atmospheric nitrogen dioxide
- ☐ Biodiversity change
- ☐ Biological Timings (e.g., Phenology)
- ☐ Chlorophyll
- ☐ Citizen science
- ☐ Deforestation
- ☐ Environmental education
- ☐ Eutrophication
- ☐ Harvesting levels (legal or illegal)
- ☐ Impacts on protected areas
- ☐ Ecosystem functioning
- ☐ Ecosystem service
- ☐ Food insecurity
- ☐ Harmful algal blooms
- ☐ Human sentiments
- ☐ Land-use/coastal zone management
- ☐ Land-based traffic
- ☐ Light pollution
- ☐ Litter accumulation
- ☐ Noise pollution
- ☐ Pest management
- ☐ Sedimentation rates

- ☐ Single-use plastic
- ☐ Ship (vessel) traffic
- ☐ Soil deposition
- ☐ Species abundance
- ☐ Species habitat use
- ☐ Volunteer activity level in citizen science program
- ☐ Water pollution
- ☐ Other

10. Are you able to provide effect size(s) with measures of error and confidence? *

Mark only one oval.

☐ Yes

☐ No

11. We want to know when you will have data that is ready to share. Please let us know how much time you need for your analysis? *

When can you get it to us? This will help us determine into which data stream your contribution will fit

Check all that apply.

- ☐ Within the next month
- ☐ Within 1-2 months
- ☐ Within 3-4 months
- ☐ > 4 months to include post-confinement observations

Other: ☐ _____



Geographic scope



12. Ecological region *

General, distinct ecological regions - to which does your data contribution relate? Please check all that apply

Check all that apply.

- ☐ Freshwater
- ☐ Marine
- ☐ Aquatic (both freshwater and marine)
- ☐ Terrestrial
- ☐ All

13. Geographic region *

What is the geographic scope of the data? Please check all that apply

Check all that apply.

- ☐ Global (around the world)
- ☐ Regional (multiple sites across a large regions)
- ☐ Local (local site)

Other: ☐ _____

14. Country

From which country are the data being collected? Please check all that apply if your study location is local or regional.

Check all that apply.

- ☐ Afghanistan
- ☐ Åland Islands
- ☐ Albania
- ☐ Algeria
- ☐ American Samoa
- ☐ Andorra
- ☐ Angola
- ☐ Anguilla
- ☐ Antarctica
- ☐ Antigua and Barbuda
- ☐ Argentina
- ☐ Armenia
- ☐ Aruba
- ☐ Australia
- ☐ Austria
- ☐ Azerbaijan
- ☐ Bahamas
- ☐ Bahrain
- ☐ Bangladesh
- ☐ Barbados
- ☐ Belarus
- ☐ Belgium
- ☐ Belize
- ☐ Benin
- ☐ Bermuda
- ☐ Bhutan
- ☐ Bolivia, Plurinational State of
- ☐ Bosnia and Herzegovina
- ☐ Botswana
- ☐ Bouvet Island
- ☐ Brazil

- ☐ British Indian Ocean Territory
- ☐ Brunei Darussalam
- ☐ Bulgaria
- ☐ Burkina Faso
- ☐ Burundi
- ☐ Cambodia
- ☐ Cameroon
- ☐ Canada
- ☐ Cape Verde
- ☐ Cayman Islands
- ☐ Central African Republic
- ☐ Chad
- ☐ Chile
- ☐ China
- ☐ Christmas Island
- ☐ Cocos (Keeling) Islands
- ☐ Colombia
- ☐ Comoros
- ☐ Congo
- ☐ Congo, the Democratic Republic of the
- ☐ Cook Islands
- ☐ Costa Rica
- ☐ Côte d'Ivoire
- ☐ Croatia
- ☐ Cuba
- ☐ Cyprus
- ☐ Czech Republic
- ☐ Denmark
- ☐ Djibouti
- ☐ Dominica
- ☐ Dominican Republic
- ☐ Ecuador
- ☐ Egypt
- ☐ El Salvador
- ☐ Equatorial Guinea
- ☐ Eritrea

- ☐ Estonia
- ☐ Ethiopia
- ☐ Falkland Islands (Malvinas)
- ☐ Faroe Islands
- ☐ Fiji
- ☐ Finland
- ☐ France
- ☐ French Guiana
- ☐ French Polynesia
- ☐ French Southern Territories
- ☐ Gabon
- ☐ Gambia
- ☐ Georgia
- ☐ Germany
- ☐ Ghana
- ☐ Gibraltar
- ☐ Greece
- ☐ Greenland
- ☐ Grenada
- ☐ Guadeloupe
- ☐ Guam
- ☐ Guatemala
- ☐ Guernsey
- ☐ Guinea
- ☐ Guinea-Bissau
- ☐ Guyana
- ☐ Haiti
- ☐ Heard Island and McDonald Islands
- ☐ Holy See (Vatican City State)
- ☐ Honduras
- ☐ Hong Kong
- ☐ Hungary
- ☐ Iceland
- ☐ India
- ☐ Indonesia
- ☐ Iran, Islamic Republic of

- ☐ Iraq
- ☐ Ireland
- ☐ Isle of Man
- ☐ Israel
- ☐ Italy
- ☐ Jamaica
- ☐ Japan
- ☐ Jersey
- ☐ Jordan
- ☐ Kazakhstan
- ☐ Kenya
- ☐ Kiribati
- ☐ Korea, Democratic People's Republic of
- ☐ Korea, Republic of
- ☐ Kuwait
- ☐ Kyrgyzstan
- ☐ Lao People's Democratic Republic
- ☐ Latvia
- ☐ Lebanon
- ☐ Lesotho
- ☐ Liberia
- ☐ Libyan Arab Jamahiriya
- ☐ Liechtenstein
- ☐ Lithuania
- ☐ Luxembourg
- ☐ Macao
- ☐ Macedonia, the former Yugoslav Republic of
- ☐ Madagascar
- ☐ Malawi
- ☐ Malaysia
- ☐ Maldives
- ☐ Mali
- ☐ Malta
- ☐ Marshall Islands
- ☐ Martinique
- ☐ Mauritania

- ☐ Mauritius
- ☐ Mayotte
- ☐ Mexico
- ☐ Micronesia, Federated States of
- ☐ Moldova, Republic of
- ☐ Monaco
- ☐ Mongolia
- ☐ Montenegro
- ☐ Montserrat
- ☐ Morocco
- ☐ Mozambique
- ☐ Myanmar
- ☐ Namibia
- ☐ Nauru
- ☐ Nepal
- ☐ Netherlands
- ☐ Netherlands Antilles
- ☐ New Caledonia
- ☐ New Zealand
- ☐ Nicaragua
- ☐ Niger
- ☐ Nigeria
- ☐ Niue
- ☐ Norfolk Island
- ☐ Northern Mariana Islands
- ☐ Norway
- ☐ Oman
- ☐ Pakistan
- ☐ Palau
- ☐ Palestinian Territory, Occupied
- ☐ Panama
- ☐ Papua New Guinea
- ☐ Paraguay
- ☐ Peru
- ☐ Philippines
- ☐ Pitcairn

- ☐ Poland
- ☐ Portugal
- ☐ Puerto Rico
- ☐ Qatar
- ☐ Réunion
- ☐ Romania
- ☐ Russian Federation
- ☐ Rwanda
- ☐ Saint Barthélemy
- ☐ Saint Helena, Ascension and Tristan da Cunha
- ☐ Saint Kitts and Nevis
- ☐ Saint Lucia
- ☐ Saint Martin (French part)
- ☐ Saint Pierre and Miquelon
- ☐ Saint Vincent and the Grenadines
- ☐ Samoa
- ☐ San Marino
- ☐ Sao Tome and Principe
- ☐ Saudi Arabia
- ☐ Senegal
- ☐ Serbia
- ☐ Seychelles
- ☐ Sierra Leone
- ☐ Singapore
- ☐ Slovakia
- ☐ Slovenia
- ☐ Solomon Islands
- ☐ Somalia
- ☐ South Africa
- ☐ South Georgia and the South Sandwich Islands
- ☐ Spain
- ☐ Sri Lanka
- ☐ Sudan
- ☐ Suriname
- ☐ Svalbard and Jan Mayen
- ☐ Swaziland

- ☐ Sweden
- ☐ Switzerland
- ☐ Syrian Arab Republic
- ☐ Taiwan, Province of China
- ☐ Tajikistan
- ☐ Tanzania, United Republic of
- ☐ Thailand
- ☐ Timor-Leste
- ☐ Togo
- ☐ Tokelau
- ☐ Tonga
- ☐ Trinidad and Tobago
- ☐ Tunisia
- ☐ Turkey
- ☐ Turkmenistan
- ☐ Turks and Caicos Islands
- ☐ Tuvalu
- ☐ Uganda
- ☐ Ukraine
- ☐ United Arab Emirates
- ☐ United Kingdom
- ☐ United States
- ☐ United States Minor Outlying Islands
- ☐ Uruguay
- ☐ Uzbekistan
- ☐ Vanuatu
- ☐ Venezuela, Bolivarian Republic of
- ☐ Viet Nam
- ☐ Virgin Islands, British
- ☐ Virgin Islands, U.S.
- ☐ Wallis and Futuna
- ☐ Western Sahara
- ☐ Yemen
- ☐ Zambia
- ☐ Zimbabwe

Other: ☐ _____

15. Study location latitude (decimal degrees) for mapping the region your data represents (so we can visualize the geographic scope of local and regional observations)

Latitude of observations

16. Study location longitude (decimal degrees) for mapping the region your data represents (so we can visualize the geographic scope of local and regional observations)

Longitude of observations

17. Please provide further contacts (list of emails) or listserves for additional collaborators

Or feel free to pass this form along to your colleagues or peers who may be interested in providing data for this project

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