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Reporting Summary

Nature Portfolio wishes to improve the reproducibility of the work that we publish. This form provides structure for consistency and transparency in reporting. For further information on Nature Portfolio policies, see our Editorial Policies and the Editorial Policy Checklist.

Statistics

For all statistical analyses, confirm that the following items are present in the figure legend, table legend, main text, or Methods section.

n/a	Confirmed
☒	☐ The exact sample size (*n*) for each experimental group/condition, given as a discrete number and unit of measurement
☒	☐ A statement on whether measurements were taken from distinct samples or whether the same sample was measured repeatedly
☒	☐ The statistical test(s) used AND whether they are one- or two-sided *Only common tests should be described solely by name; describe more complex techniques in the Methods section.*
☒	☐ A description of all covariates tested
☒	☐ A description of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons
☒	☐ A full description of the statistical parameters including central tendency (e.g. means) or other basic estimates (e.g. regression coefficient) AND variation (e.g. standard deviation) or associated estimates of uncertainty (e.g. confidence intervals)
☒	☐ For null hypothesis testing, the test statistic (e.g. *F*, *t*, *r*) with confidence intervals, effect sizes, degrees of freedom and *P* value noted *Give P values as exact values whenever suitable.*
☒	☐ For Bayesian analysis, information on the choice of priors and Markov chain Monte Carlo settings
☒	☐ For hierarchical and complex designs, identification of the appropriate level for tests and full reporting of outcomes
☒	☐ Estimates of effect sizes (e.g. Cohen's *d*, Pearson's *r*), indicating how they were calculated

Our web collection on statistics for biologists contains articles on many of the points above.

Software and code

Policy information about availability of computer code

Data collection	n/a
Data analysis	MAXQDA 2022, Cytoscape 3.10.1

For manuscripts utilizing custom algorithms or software that are central to the research but not yet described in published literature, software must be made available to editors and reviewers. We strongly encourage code deposition in a community repository (e.g. GitHub). See the Nature Portfolio guidelines for submitting code & software for further information.

Data

Policy information about availability of data

All manuscripts must include a data availability statement. This statement should provide the following information, where applicable:

- Accession codes, unique identifiers, or web links for publicly available datasets
- A description of any restrictions on data availability
- For clinical datasets or third party data, please ensure that the statement adheres to our policy

Available information is in the following repository: https://github.com/AbrilCid/NJPCLIMATACTION-00135.git

Research involving human participants, their data, or biological material

Policy information about studies with human participants or human data. See also policy information about sex, gender (identity/presentation), and sexual orientation and race, ethnicity and racism.

Reporting on sex and gender	n/a
Reporting on race, ethnicity, or other socially relevant groupings	n/a
Population characteristics	n/a
Recruitment	The workshops were organized by the Ministry of Integrated Risk Management and Civil Protection of Mexico City (SGIRPC by its Spanish acronym) with the collaboration of the National Laboratory of Sustainable Science (LANCIS by its Spanish acronym) at the National Autonomous University of Mexico. The SGIRPC coordinated the dates and sites for the workshops with the Civil Protection Agencies of each local government; however, they were only observers and did not contribute to the workshops' inputs
Ethics oversight	We followed the human subjects procedures of the Institute of Ecology of the National Autonomous University of Mexico and received inform consent of participants

Note that full information on the approval of the study protocol must also be provided in the manuscript.

Field-specific reporting

Please select the one below that is the best fit for your research. If you are not sure, read the appropriate sections before making your selection.

☐ Life sciences ☒ Behavioural & social sciences ☐ Ecological, evolutionary & environmental sciences

For a reference copy of the document with all sections, see nature.com/documents/nr-reporting-summary-flat.pdf

Behavioural & social sciences study design

All studies must disclose on these points even when the disclosure is negative.

Study description	For Mexico City as a case study, we used a mixed-methods approach based on participatory workshops with the 16 local governments (alcaldías), involving 221 government officials, from 119 government agencies alcaldías), in a 13-month period (between 2019 and 2020)
Research sample	221 government officials from 11a government agencies of 16 local governments in Mexico City.
Sampling strategy	The sample was pre-selected by the Civil Protection Agencies of each local governments in order to get the highest representation of all the agencies within each local government. The aim was to secure at least one government official from each agency of each local government
Data collection	The data of the paper came from workshops that were organized by the Ministry of Integrated Risk Management and Civil Protection of Mexico City (SGIRPC by its Spanish acronym) with the collaboration of the National Laboratory of Sustainable Science (LANCIS by its Spanish acronym) at the National Autonomous University of Mexico. The SGIRPC coordinated the dates and sites for the workshops with the Civil Protection Agencies of each local government
Timing	The workshops were conducted in a 13-month period between 2019 and 2020. The first six workshops were in-person at the local government facilities (October 2019 to March 2020). Due to the COVID-19 lock-out restrictions, the subsequent ten workshops were virtual (September to November 2020)
Data exclusions	No data were excluded
Non-participation	No participants dropped out or declined participation
Randomization	The workshops were for each local government, so the participants had to be government officials for that local government

Reporting for specific materials, systems and methods

We require information from authors about some types of materials, experimental systems and methods used in many studies. Here, indicate whether each material, system or method listed is relevant to your study. If you are not sure if a list item applies to your research, read the appropriate section before selecting a response.

Materials & experimental systems

n/a	Involved in the study
☒	☐ Antibodies
☒	☐ Eukaryotic cell lines
☒	☐ Palaeontology and archaeology
☒	☐ Animals and other organisms
☒	☐ Clinical data
☐	☐ Dual use research of concern
☒	☐ Plants

Methods

n/a	Involved in the study
☒	☐ ChIP-seq
☒	☐ Flow cytometry
☒	☐ MRI-based neuroimaging

Plants

Seed stocks	n/a
Novel plant genotypes	n/a
Authentication	n/a