

APPLICATION FORM

Welcome to the application form for researchers for Data for Climate Action!

This application form uses cookies to store your session progress and information. Cookies will enable you to edit your responses and to complete the application form in more than one session. If you wish to restart your application form, please delete the cookies on your browser.

You may preview the entire application form beforehand by downloading it on the [Challenge website](#).

APPLICATION FORM

Contact Information

Please provide your contact information.

This information will be used for communications related to your participation in Data for Climate Action.

*** 1. Name**

Given (first):

Family (last):

*** 2. Primary email address**

APPLICATION FORM

Profile Information

Personal Information

This information may be used to report aggregate-level statistics.

* 3. Gender

* 4. Country

Location where you are primarily based.

* 5. Sector

- ☐ Academic
- ☐ Public sector
- ☐ For-profit
- ☐ Non-profit
- ☐ None/I do not wish to indicate
- ☐ Other (please specify)

APPLICATION FORM

Organization Information

Please tell us more about your organizational affiliation.

If you do not wish to indicate any organizational affiliation, go back and select "None/I do not wish to indicate" in Question 5.

*** 6. Institution**

Name:

Link to website:

*** 7. Position**

Including any title, department, or general description of your role or affiliation.

*** 8. Will your company/organization be providing any formal support for your participation in the Challenge?**

For example, funding, staff, computing power, office space, etc.

☐ Yes

☐ No

If yes, please briefly describe the nature of anticipated support:

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Individuals or teams may apply to participate in the Data for Climate Action challenge. Please indicate which kind of application you are submitting.

Note that Applicants are required to indicate that they have read and accept the [Terms of Participation](#) of the Challenge at the end of the application form. Applicants who are applying on behalf of their team will be accepting the [Terms of Participation](#) on behalf of their team.

* 9. Are you applying as an individual or on behalf of a team?

☐ Individual

☐ Team

APPLICATION FORM

Project Proposal

Please provide a brief description of your proposed project, including objectives and methods, requested datasets, and the potential impact of your work.

* 10. Proposed title of project

* 11. Please describe your research question, hypothesis, or the objective of your proposal.

What is the purpose of your project? What would you like to study, evaluate, develop, design, or implement?

*Only the first **150** words will be considered.*

* 12. Data for Climate Action theme(s) relevant to your proposal:

Please only select themes significantly addressed by your proposal. You may select multiple themes.

- ☐ Climate Mitigation: Energy
- ☐ Climate Mitigation: Transportation
- ☐ Climate Mitigation: Other
- ☐ Climate Adaptation: Food & Agriculture
- ☐ Climate Adaptation: Community Resilience
- ☐ Climate Adaptation: Other
- ☐ Climate & Other SDGs: Zero Poverty
- ☐ Climate & Other SDGs: Good Health & Wellbeing
- ☐ Climate & Other SDGs: Reducing Inequality
- ☐ Climate & Other SDGs: Other

*** 13. Challenge datasets requested:**

Please see the [dataset descriptions](#) available on the Data for Climate Action website. If not specified, you may request a geographic or temporal scope for a dataset. In this case, please refer to the next question.

- ☐ BBVA Data & Analytics
- ☐ Crimson Hexagon
- ☐ Earth Networks
- ☐ Orange (Senegal)
- ☐ Orange (France)
- ☐ Orange (Morocco)
- ☐ Nielsen
- ☐ Planet
- ☐ Plume Labs
- ☐ Schneider Electric
- ☐ Waze

14. Please specify the desired scope of datasets requested, if applicable:

Including geographic, temporal, and other scope parameters: for example, "Paris, France, from May-June 2015" or "50 square km around Dakar, Senegal, from 2014 to 2015."

Crimson Hexagon:

Earth Networks:

Planet:

Plume Labs:

Schneider Electric:

Waze:

APPLICATION FORM

Project Proposal (continued)

*** 15. Please describe the motivation behind your project and its potential impact.**

What motivates you or your team to develop this project proposal? What potential impacts do you expect to result from your project? For example: it could advance the state of the art in your scientific field; it could support data-driven policy making; or it could help scale certain solutions. Please be as concrete as possible.

*Only the first **250** words will be considered.*

*** 16. Please briefly describe your proposed methodology and research design.**

What techniques and analytical approaches do you plan to use? What steps do you plan to take to reach your objectives? For example, you could include an explanation of how the requested datasets would contribute to addressing your research question and/or to devising an original solution to a problem relevant to climate change. You may also define a list of research priorities or benchmarks.

*Only the first **250** words will be considered.*

*** 17. Please describe any privacy or ethical considerations that may result from your project and how you expect your team to address them.**

For example, any protocols and/or processes you intend to use to ensure privacy and responsible analysis of data. For more information, please refer to the "[Privacy and Data Protection Principles](#)" developed by UN Global Pulse.

*Only the first **250** words will be considered.*

*** 18. Expected type of final research submission**

☐ Research paper or poster

☐ Application or tool

19. Keywords

Please use semicolons to separate keywords.

* 20. Please indicate the total number of person-days that you and your team plan to spend collectively on your research project:

APPLICATION FORM

Project Proposal (continued)

* 21. Do you plan to leverage (or would you be interested in leveraging) a cloud computing environment or data visualization platform for your proposed research for the duration of the Challenge?

☐ Yes

☐ No

APPLICATION FORM

Project Proposal (continued)

* 22. Would you like your application to be considered for a temporary license for data visualization software and support from Tableau (Tableau Desktop Professional)?

☐ Yes

☐ No

* 23. Would you like your application to be considered for cloud computing support from Microsoft Azure for Research?

☐ Yes

☐ No

APPLICATION FORM

Project Proposal (continued)

24. Please indicate any additional open and public datasets you plan to use:

If applicable, please list and provide a link to the datasets. If not applicable, leave blank.

25. Please indicate any additional proprietary or other datasets you plan to use:

If applicable, please describe the datasets and their sources (e.g., internal operational business data, or data collected using sensors by your company). If not applicable, leave blank.

APPLICATION FORM

Background and Skills

Please tell us about your team's general academic and professional background as it applies to your proposed research.

* 26. Please enter your team's experience in each of the areas of expertise listed below:

For each option, please select the highest level of experience gained by any individual member of your team, or "None / Not Relevant" if not relevant.

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Earth and Environmental Sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mathematics and Statistics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computer Science and Information Technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Policy and/or Social Sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify area of expertise and experience)

* 27. Does any member of your team have prior experience working on climate-related projects, particularly in areas that are similar or relevant to your research proposal?

This could include academic or industry projects regarding climate mitigation, adaptation, and resilience.

☐ Yes

☐ No

If yes, please provide a brief description and links (one per line) to any content you consider relevant (e.g., peer-reviewed research papers, published results, blogs, code, etc.):

* 28. Does any member of your team have prior experience with public policy design or analysis, including program monitoring and evaluation, particularly in areas that are similar or relevant to your research proposal?

☐ Yes

☐ No

If yes, please provide a brief description and links (one per line) to any content you consider relevant (e.g., peer-reviewed research papers, published results, blogs, code, etc.):

* 29. Has any member of your team published any papers or developed any applications, demos, or visualizations that demonstrate your ability to conduct the research described in your proposal?

☐ Yes

☐ No

If yes, please provide a brief description and links (one per line) to any content you consider relevant (e.g., peer-reviewed research papers, published results, blogs, code, etc.):

* 30. Please indicate your team's experience in communicating research:

For each option, please select the highest level of experience gained by any individual member of your team, or "None / Not Relevant" if not relevant.

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Academic / Scientific writing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Policy analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data visualization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dashboard / Application development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify skill and experience)

* 31. Please specify which tools your team typically uses for developing visualisations:

APPLICATION FORM

Background and Skills (continued)

Please tell us more about your team's knowledge and skills in the field of data science as they apply to your proposed research.

* 32. Please indicate your team's experience in the field of computer science:

For each option, please select the highest level of experience gained by any individual member of your team, or "None / Not Relevant" if not relevant.

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Programming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Software engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
System administration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Database management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing structured data (e.g., parsing, cleaning, joining, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing unstructured data (e.g., parsing, cleaning, joining, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Big data and distributed data processing frameworks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing or developing cloud-based infrastructures (e.g., Azure, Google Cloud)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientific computing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* 33. Does any member of your team have prior experience working with big data or on data-intensive projects, particularly ones that are similar or relevant to your research proposal?

☐ Yes

☐ No

If yes, please provide links to GitHub or other similar repositories, and links to any content you consider relevant (e.g., peer-reviewed research, published results, blogs, code, etc.) (one per line):

* 34. Please specify which tools/frameworks your team typically uses to analyze big data:

If none, write "N/A"

APPLICATION FORM

Background and Skills (continued)

* 35. Please indicate your team's knowledge and skills in the field of data science as they relate to your proposed research:

For each option, please select the highest level of experience gained by any individual member of your team, or "None / Not Relevant" if not relevant.

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Information extraction using Natural Language Processing techniques (e.g., named entity recognition, sentiment analysis, topic modeling)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computational linguistics (machine translation, speech recognition, human-computer interaction)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Machine learning methods (Decision trees, SVM, neural networks, K-means, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Search and Information retrieval (Lucene, SOLR, Elasticsearch)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Image processing and classification	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geospatial data integration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 36. Please indicate your team's experience working with each type of data:**

For each option, please select the highest level of experience gained by any individual member of your team, or "None / Not Relevant" if not relevant.

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Traditional (e.g., numerical, categorical, or binary)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Images (e.g., satellite images, aerial photography, geo-located photos)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographic/geospatial/georeferenced data (e.g., maps, Earth observations, GPS signals)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Call detail records (e.g., site-to-site traffic, mobility data with bandicoot indicators)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Network data (e.g., social network data)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Text (e.g., emails, tweets, news articles)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Time series (e.g., user behaviour data, log files)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sensor data (e.g., meteorological data, atmospheric measurements, GPS trajectory data)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 37. Please indicate your team's experience with each of the following statistical and machine learning methods:**

For each option, please select the highest level of experience gained by any individual member of your team, or "None / Not Relevant" if not relevant.

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Bayesian statistics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Classification	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clustering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deep learning / Neural networks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maximum likelihood analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Natural language processing / Text mining	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Optimization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prediction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regression	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Simulation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Survival analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Anomaly detection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify method and experience)

APPLICATION FORM

Project Proposal

Please provide a brief description of your proposed project, including objectives and methods, requested datasets, and the potential impact of your work.

* 38. Proposed title of project

* 39. Please describe your research question, hypothesis, or the objective of your proposal.

What is the purpose of your project? What would you like to study, evaluate, develop, design, or implement?

*Only the first **150** words will be considered.*

* 40. Data for Climate Action theme(s) relevant to your proposal:

Please only select themes significantly addressed by your proposal. You may select multiple themes.

- ☐ Climate Mitigation: Energy
- ☐ Climate Mitigation: Transportation
- ☐ Climate Mitigation: Other
- ☐ Climate Adaptation: Food & Agriculture
- ☐ Climate Adaptation: Community Resilience
- ☐ Climate Adaptation: Other
- ☐ Climate & Other SDGs: Zero Poverty
- ☐ Climate & Other SDGs: Good Health & Wellbeing
- ☐ Climate & Other SDGs: Reducing Inequality
- ☐ Climate & Other SDGs: Other

*** 41. Challenge datasets requested:**

Please see the [dataset descriptions](#) available on the Data for Climate Action website. If not specified, you may request a geographic or temporal scope for a dataset. In this case, please refer to the next question.

- ☐ BBVA Data & Analytics
- ☐ Crimson Hexagon
- ☐ Earth Networks
- ☐ Orange (Senegal)
- ☐ Orange (France)
- ☐ Orange (Morocco)
- ☐ Nielsen
- ☐ Planet
- ☐ Plume Labs
- ☐ Schneider Electric
- ☐ Waze

42. Please specify the desired scope of datasets requested, if applicable:

Including geographic, temporal, and other scope parameters: for example, "Paris, France, from May-June 2015" or "50 square km around Dakar, Senegal, from 2014 to 2015."

Crimson Hexagon:

Earth Networks:

Planet:

Plume Labs:

Schneider Electric:

Waze:

APPLICATION FORM

Project Proposal (continued)

*** 43. Please describe the motivation behind your project and its potential impact.**

What motivates you to develop this project proposal? What potential impacts do you expect to result from your project? For example: it could advance the state of the art in your scientific field; it could support data-driven policy making; or it could help scale certain solutions. Please be as concrete as possible.

*Only the first **250** words will be considered.*

*** 44. Please briefly describe your proposed methodology and research design.**

What techniques and analytical approaches do you plan to use? What steps do you plan to take to reach your objectives? For example, you could include an explanation of how the requested datasets would contribute to addressing your research question and/or to devising an original solution to a problem relevant to climate change. You may also define a list of research priorities or benchmarks.

*Only the first **250** words will be considered.*

*** 45. Please describe any privacy or ethical considerations that may result from your project and how you expect to address them:**

For example, any protocols and/or processes you intend to use to ensure privacy and responsible analysis of data. For more information, please refer to the "[Privacy and Data Protection Principles](#)" developed by UN Global Pulse.

*Only the first **250** words will be considered.*

*** 46. Expected type of final research submission**

☐ Research paper or poster

☐ Application or tool

47. Keywords

Please use semicolons to separate keywords.

* 48. Please indicate the total number of person-days that you plan to spend on your research project:

APPLICATION FORM

Project Proposal (continued)

* 49. Do you plan to leverage (or would you be interested in leveraging) a cloud computing environment or data visualization platform for your proposed research for the duration of the Challenge?

☐ Yes

☐ No

APPLICATION FORM

Project Proposal (continued)

* 50. Would you like your application to be considered for a temporary license for data visualization software and support from Tableau (Tableau Desktop Professional)?

☐ Yes

☐ No

* 51. Would you like your application to be considered for cloud computing support from Microsoft Azure for Research?

☐ Yes

☐ No

APPLICATION FORM

Project Proposal (continued)

52. Please indicate any additional open and public datasets you plan to use:

If applicable, please list and provide a link to the datasets. If not applicable, leave blank.

53. Please indicate any additional proprietary or other datasets you plan to use:

If applicable, please describe the datasets and their sources (e.g., internal operational business data, or data collected using sensors by your company). If not applicable, leave blank.

APPLICATION FORM

Background and Skills

Please tell us about your general academic and professional background as it applies to your proposed research.

* 54. Please enter your experience in each of the areas of expertise listed below:

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Earth and Environmental Sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mathematics and Statistics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computer Science and Information Technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Policy and/or Social Sciences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify area of expertise and experience)

* 55. Do you have prior experience working on climate-related projects, particularly in areas that are similar or relevant to your research proposal?

This could include academic or industry projects regarding climate mitigation, adaptation, and resilience.

☐ Yes

☐ No

If yes, please provide a brief description and links (one per line) to any content you consider relevant (e.g., peer-reviewed research papers, published results, blogs, code, etc.):

* 56. Do you have prior experience with public policy design or analysis, including program monitoring and evaluation, particularly in areas that are similar or relevant to your research proposal?

☐ Yes

☐ No

If yes, please provide a brief description and links (one per line) to any content you consider relevant (e.g., peer-reviewed research papers, published results, blogs, code, etc.):

* 57. Have you published any papers or developed any applications, demos, or visualizations that demonstrate your ability to conduct the research described in your proposal?

☐ Yes

☐ No

If yes, please provide a brief description and links (one per line) to any content you consider relevant (e.g., peer-reviewed research papers, published results, blogs, code, etc.):

* 58. Please indicate your experience in communicating research:

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Academic / Scientific writing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Policy analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data visualization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dashboard / Application development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify skill and experience)

* 59. Please specify which tools you typically use for developing visualisations:

APPLICATION FORM

Background and Skills (continued)

Please tell us more about your knowledge and skills in the field of data science as they apply to your proposed research.

* 60. Please indicate your experience in the field of computer science:

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Programming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Software engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
System administration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Database management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing structured data (e.g., parsing, cleaning, joining, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing unstructured data (e.g., parsing, cleaning, joining, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Big data and distributed data processing frameworks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing or developing cloud-based infrastructures (e.g., Azure, Google Cloud)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientific computing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* 61. Do you have prior experience working with big data or on data-intensive projects, particularly ones that are similar or relevant to your research proposal?

☐ Yes

☐ No

If yes, please provide links to GitHub or other similar repositories, and links to any content you consider relevant (e.g., peer-reviewed research, published results, blogs, code, etc.) (one per line):

* 62. Please specify which tools/frameworks you typically use to analyze big data:

If none, write "N/A"

APPLICATION FORM

Background and Skills (continued)

* 63. Please indicate your knowledge and skills in the field of data science as they relate to your proposed research:

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Information extraction using Natural Language Processing techniques (e.g., named entity recognition, sentiment analysis, topic modeling)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computational linguistics (e.g., machine translation, speech recognition, human-computer interaction)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Machine learning methods (Decision trees, SVM, neural networks, K-means, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Search and Information retrieval (Lucene, SOLR, ElasticSearch)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Image processing and classification	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geospatial data integration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* 64. Please indicate your experience working with each type of data:

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Traditional (e.g., numerical, categorical, or binary)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Images (e.g., satellite images, aerial photography, geo-located photos)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographic/geospatial/georeferenced data (e.g., maps, Earth observations, GPS signals)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Call detail records (e.g., site-to-site traffic, mobility data with bandicoot indicators)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Network data (e.g., social network data)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Text (e.g., emails, tweets, news articles)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Time series (e.g., user behaviour data, log files)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sensor data (e.g., meteorological data, atmospheric measurements, GPS trajectory data)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* 65. Please indicate your experience with each of the following statistical and machine learning methods:

	None / Not Relevant	Beginner	Intermediate	Advanced	Expert
Bayesian statistics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Classification	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clustering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deep learning / Neural networks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maximum likelihood analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Natural language processing / Text mining	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Optimization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prediction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regression	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Simulation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Survival analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Anomaly detection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify method and experience)

APPLICATION FORM

Terms of Participation

* 66. Please indicate that you have read and accept the [Terms of Participation](#) for the Data for Climate Action challenge:

- ☐ I understand and agree to comply with the [Terms of Participation](#) for the Data for Climate Action challenge, and attest that I meet all requirements listed. If I am applying on behalf of a team, I acknowledge that I am accepting the Terms of Participation on behalf of that team.
- ☐ I understand that, in the event that my research proposal is accepted, access to datasets as requested will also be conditional upon accepting and complying with the terms and conditions of access and use of the respective datasets, as established by the entities that own the data. Failure to accept or comply with those terms may result in denial of access and/or disqualification from the Data for Climate Action challenge.

* 67. Would you like to receive email updates regarding the Data for Climate Action challenge?

These updates will be sent to the email you have indicated previously. Your email will not be used for promotional purposes, etc.

- ☐ Yes, I am interested in receiving email updates regarding the Challenge.
- ☐ No, I am not interested in receiving email updates regarding the Challenge.