



AI4D-IndabaX Innovation project proposal template

This template is specific to the AI4D-IndabaX Innovation: Call for Proposals. You are welcome to take the structure on the following two pages as it is, and answer the questions to produce a proposal.

As a summary, we are specifically looking to support smaller research projects or segments of larger research endeavours:

- that are conducted in Africa;
- that have a strong machine learning, artificial intelligence or data science component, in any discipline of science;
- that have sustainable development goals in mind;
- that could reach deliverable outcomes by the end of February 2021.

Title of proposal

Team

Who is the project coordinator or project lead? Who are the collaborators, where are they based, what are their affiliations?

Your project

Can you briefly describe your project? What is the main research hypothesis? (A mini-project could be a step in a larger research hypothesis or theme.)

Goals and outcomes

What are the overall and specific objectives for the project? Are the goals **clear** and **measurable**? Are the goals **realistic** and **achievable** within the project duration?

How will the outcomes of the project be shared more widely? Examples include:

- If you produce data, can other researchers easily build on it? How will you share it in the public domain?
- If you produce code, where will it be released? Would any other researcher be able to run it?
- Do you have a technical report in mind to describe the project? Have you thought of a journal, conference, workshop or any other venue in which your work could be shared more widely?

How will you go to work? Concept and methodology

Describe the main ideas, models or assumptions involved in your project. Are there any inter-disciplinary considerations? If there are stakeholders, how do you foresee their involvement?

Are there any other regional, national or international research and innovation activities that are linked to your project?

Greater narrative | ambition

Do you have a long-term vision for your project? How would it enable other research? What new insights would it bring? Could you say something about the state-of-the-art, and how your project connects to similar work?

Development and ethics

If your project is not tied to the Deep Learning Indaba's Leishmaniasis Grand Challenge, does your project's outcome support any of the UN Sustainable Development Goals? It probably does! Taking the Grand Challenge as an example: its scientific challenges might lead to new algorithms or new data, but in the end, we would like to cure a neglected tropical disease.

Did you consider any perceived risks in relation to the proposed work and its effect on people and society? Are there any ethical considerations? There is a handy Ethics Checklist at the end of this template.

Timelines

Could you break your project up into smaller units or “milestones”, say chunks of work that would take around four weeks each? What would the “halfway point” look like? And the “finish line”? Your timeline might look something like this:

Date	Milestone description	Measurable result
August 2020	Can you say, in one or two sentences, what actionable steps will take you to your first milestone?	What point do you hope to reach at the end of this stretch of work?
September 2020	...	
October 2020	...	
November 2020	...	
December 2020	...	
January 2021	...	
February 2021	...	Your project outcomes

Other support

Do you have suggestions for other support from within the Deep Learning Indaba community, that would help make your research a success?

Budget

Could you provide a budget for your project, with an estimated expenditure allocation? Your budget may include your university’s administration fees, or other equivalent overhead costs. The limit is USD 8,000 per mini-project:

Item	Cost
Item 1, and its description	USD x
Item 2, and its description	USD y
...	...
Total	USD z

Ethics checklist

If any of these statements are **not** true, you will probably require ethics research approval from your institution. Please attach it to your application.

- This research does not involve human participants
- Research methods are: Non-invasive and don't involve collecting data such as choices, reaction times and eye movements.
- Research has considered the possible social implications and possible harms.
- Research does not involve facial recognition, and applications to military, policing and surveillance.
- Research data: data is used with appropriate licence and does not include personally identifiable information, and has taken into account appropriate data protections.
- Research will comply with appropriate codes of practice for research. You will find Codes from your institution and national policies. Examples of such codes include the [San Code of Research Ethics](#), [Code of Ethics for Research](#) (University of Pretoria), [Guidelines for Ethical Conduct of Biomedical Research](#) (Kenya), [Code of Practice for Research](#) (UK), [The European Code of Conduct for Research Integrity](#).
- A useful checklist can be [found here](#).