

## **Call for Research Proposals - 2023**

### **Artificial Intelligence & Data Science for Sustainability**

The center for Artificial intelligence and Data science at Tel Aviv University (TAD), in collaboration with Google, is soliciting proposals for research projects under the general theme of Artificial Intelligence (AI) & Data Science (DS) for sustainability.

Examples of topics in sustainability that may be funded (but not limited to):

- Environment, biodiversity and healthy ecosystems
- Water resources
- Climate change mitigation and adaptation
- Sustainable economy
- Social Sustainability
- Clean energy
- Sustainable architecture

Within this general framework, we welcome submissions representing various types of projects and modes of collaboration, including (but not limited to):

- Interdisciplinary collaborations between core researchers in AI & DS and researchers in various areas on sustainability topics.
- Projects initiated by scientists in various academic disciplines who see a major potential in applying AI & DS methodologies to data and problems in their domain, but do not yet have established collaborations with AI core researchers. The proposals may seek the help of the AI & DS Center in performing the research, and in establishing and/or funding appropriate collaborations.

The calls are open to all PIs at Tel Aviv University.

Each funded proposal will be awarded a budget of up to 100K NIS per year for up to two years and the submitted projects should be likely to reach a successful outcome in this time frame. There will be a review point after 10 months, and funding for the second year will be conditioned on establishing sufficient progress.

## **Application timeline and mechanism**

Submission deadline is **January 31, 2023** (midnight). Each proposal should be submitted as a single PDF file, and emailed to: [datascience@tauex.tau.ac.il](mailto:datascience@tauex.tau.ac.il).

Questions should be sent to Dr. Shiri Stempler at: [shiristemp@tauex.tau.ac.il](mailto:shiristemp@tauex.tau.ac.il).

Award announcement is expected during March, 2023.

## **Evaluation criteria:**

Strong preference will be given to projects that address each of these areas to the fullest extent possible:

- Scientific merit
- Impact of the proposed research
- Substantial role of AI / DS
- Qualifications of the proposed research team to achieve proposal goals
- Appropriateness of the requested resources

## **The proposals should include:**

1. A short abstract (1/2 page)
2. Research description which includes a description of the scientific problem, aims, the AI/DS approach and preliminary results if they exist (up to 2 pages)
3. A description of the expected impact (1/2 page)
4. A list of participants + short bio + 3 most relevant publications in the last 5 years for each (1 page each)
5. A statement of ethical compliance, if relevant
6. Required budget and its usage. The requested budget should be limited to 100K NIS per year. The awarded budget may be smaller. (1/2 page)
7. References

**Additional information:**

1. Any ethical aspects, which require approval (such as collection of human information) are solely the responsibility of the submitters, and the submitters are required to state and ensure that all approvals will be obtained prior to the implementation of the grant.
2. Collaborating investigators (CIs) may be from other institutions in Israel or abroad.
3. PIs may submit one proposal.
4. All publications, presentations and products from this award should acknowledge the support of TAD Center and Google.