

About IRCAI

The International Research Centre on Artificial Intelligence (IRCAI) aims to provide a coordination point, funding route and exploitation accelerator for approaches to the United Nations Sustainable Development Goals (SDGs) that make use of Artificial Intelligence (AI).

“Applying cutting-edge science to solve real-world problems.”

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International Research Centre on Artificial Intelligence (IRCAI)

Stakeholder(s):

Jožef Stefan Institute

United Nations Educational, Scientific and Cultural Organization

Mission

To provide a coordination point, funding route and exploitation accelerator for approaches to the United Nations Sustainable Development Goals (SDGs) that make use of Artificial Intelligence (AI).

Values

Fairness

Transparency

Ethics

Coordination

Sustainability

1. Research

Conduct theoretical and applied research in the field of artificial intelligence and advanced digital technologies.

1.1. Tools, Products & Services

Develop artificial intelligence-based tools, products and services to help UNESCO Member States accelerate their efforts to meet the Sustainable Development Goals (SDGs).

RESEARCH — The goal will be to develop artificial intelligence-based tools, products and services to help UNESCO Member States accelerate their efforts to meet the Sustainable Development Goals (SDGs). Legal, ethical, economic and societal implications of these technologies will be addressed to make AI fair, transparent, and ethical. Researchers will be provided access to data, tools, services, platforms and indicators relevant to AI. Open AI Solutions, Build-Measure-Learn Model of Adopting AI, AI Future Scenario Planning, Cross-Disciplinary Reflections on AI, AI Observatory of SDGs data

Stakeholder(s):

UNESCO Member States

2. SDG Solutions

Develop open solutions to help achieve Sustainable Development Goals with specific focus on SDGs 4, 5, 8, 9, 10, 13, 16 and 17.

3. Policy Support

Provide policy support to help Member States address the technical, legal, social and ethical challenges at the intersection of technology and policy.

POLICY INNOVATION — By exploring wider implications of AI on society the Centre will provide expert advice to policy- and decision-makers on how best to apply AI for SDGs. A set of guidelines, information collection protocols, AI tool kits, policy briefs and regional analysis of AI ecosystem will be prepared. Based on them the Centre will help build effective policy decisions and operational frameworks related to AI for public service delivery, greater transparency and accountability. Development of Indicators, Policy Support, Multi-Stakeholder Platform, Civil Society Outreach

3.1. Guidelines

Prepare a set of guidelines.

3.2. Information Collection

Prepare information collection protocols.

3.3. Tool Kits

Prepare AI tool kits.

3.4. Policy Briefs

Prepare policy briefs.

3.5. Regional Analysis

Prepare regional analysis of AI ecosystem.

4. Training

Provide training for upstream and downstream capacity enhancement for artificial intelligence.

Stakeholder(s)

World-Class Universities

Governments

Industries

AI TALENT — Education systems need to anticipate changes in the skills required in a world where interactions with people and environment are increasingly mediated by technology. The Centre will collaborate and partner with other institutions to address challenges to education in the digital age and develop tools, guidelines and content to address the changing education needs of the world. A connected network of centres will bring together academic expertise from world-class universities, industries, governments, and other stakeholders will provide insights for updating education systems. Training, Networking

4.1. Tools, Guidelines & Content

Develop tools, guidelines and content to address the changing education needs of the world.

5. Participation & Decision Making

Encourage multi-stakeholder participation and decision making in addressing the challenges raised by artificial intelligence.

6. Information & Literacy

Disseminate information and encourage literacy about artificial intelligence.

IMPACT AND OUTREACH — The Centre understands the need to communicate scientific research and to engage with the wider public in the spirit of Citizen Science. This will be achieved through public events, workshops and conferences specifically tailored to address AI research in developmental topics and specific SDGs. By boosting technology transfer, research results and policy support the Centre will reach out to other AI initiatives from public to private sector. Advocacy, Engagement

6.1. Events, Workshops & Conferences

Conduct public events, workshops and conferences to address AI research in developmental topics and SDGs.

7. Gender Bias

Promote measures for removal of gender bias in the development and deployment of artificial intelligence.

8. Cooperation

Facilitate North-North and North-South cooperation in the development of artificial intelligence with special emphasis on supporting the development of a vibrant AI ecosystem in Africa.

Stakeholder(s)

Africa

Administrative Information

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Submitter:

Given Name: **Surname:** Ambur

Email: Owen.Ambur@verizon.net

Phone:

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