



unesco

UNESCO's AI Initiatives

Presented by:

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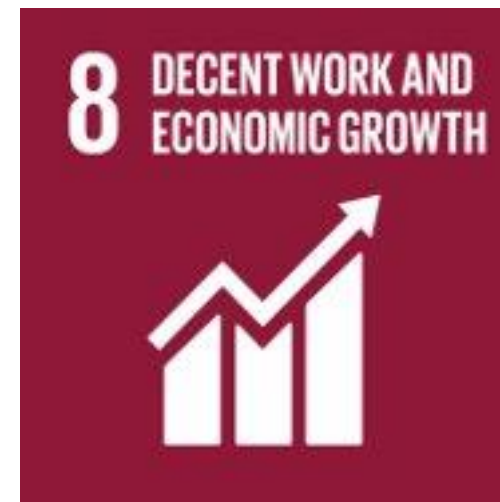
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UNESCO HQ

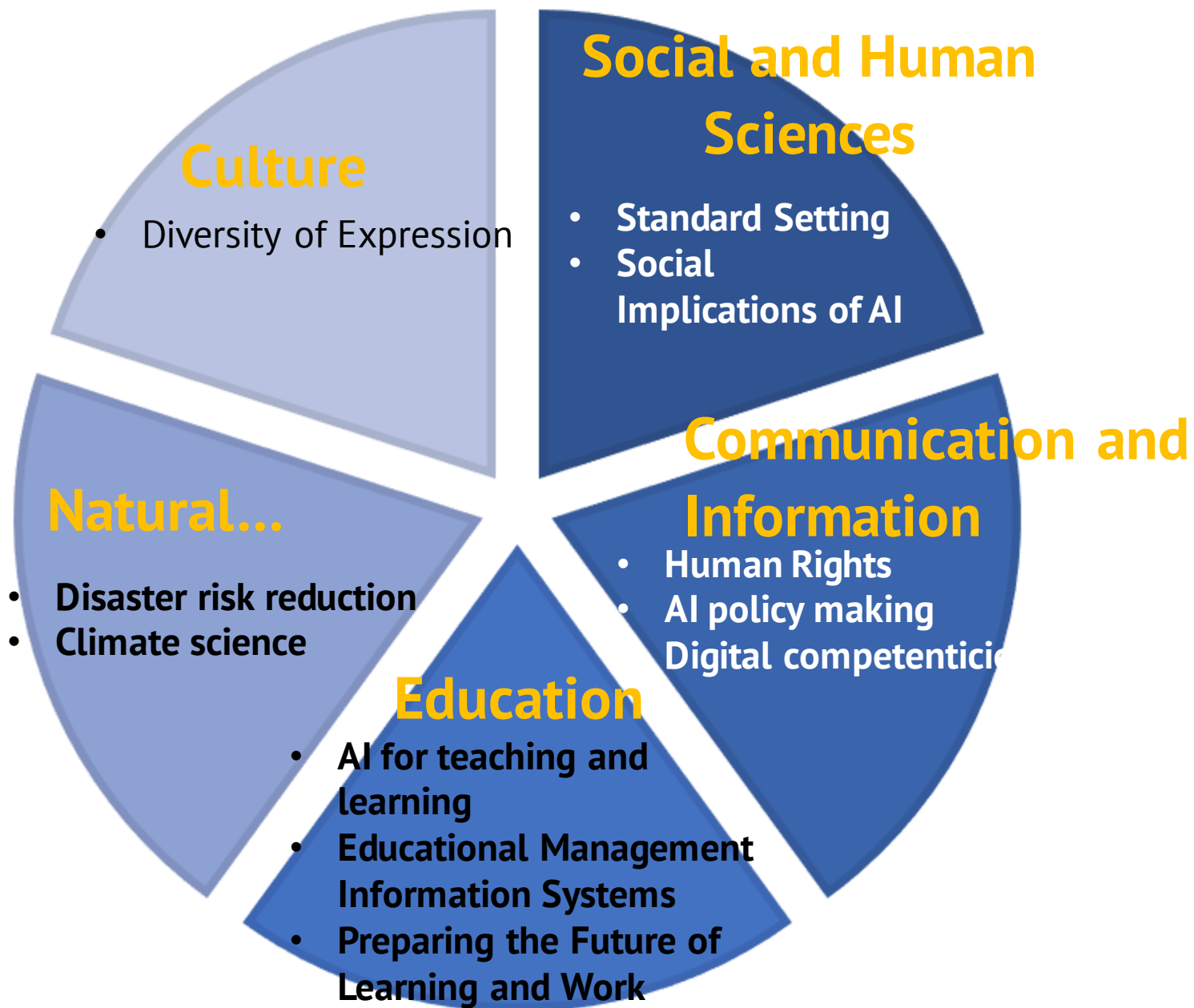
UNESCO Priorities

Harnessing AI
for the SDGs and
addressing related risks



UNESCO Priorities

Harnessing AI
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addressing related risks



UNESCO's work in the field of AI

Research and advocacy

Standard Setting

Policy Advice

Capacity Development

International Cooperation



UNESCO Approach



- Human Rights-based
- Openness in AI: Data, knowledge, markets and opportunities
- Inclusive Access for AI development
- Multi-stakeholder approach for AI governance
- Cross-cutting Issues: AI and gender equality, AI applications AI for Africa

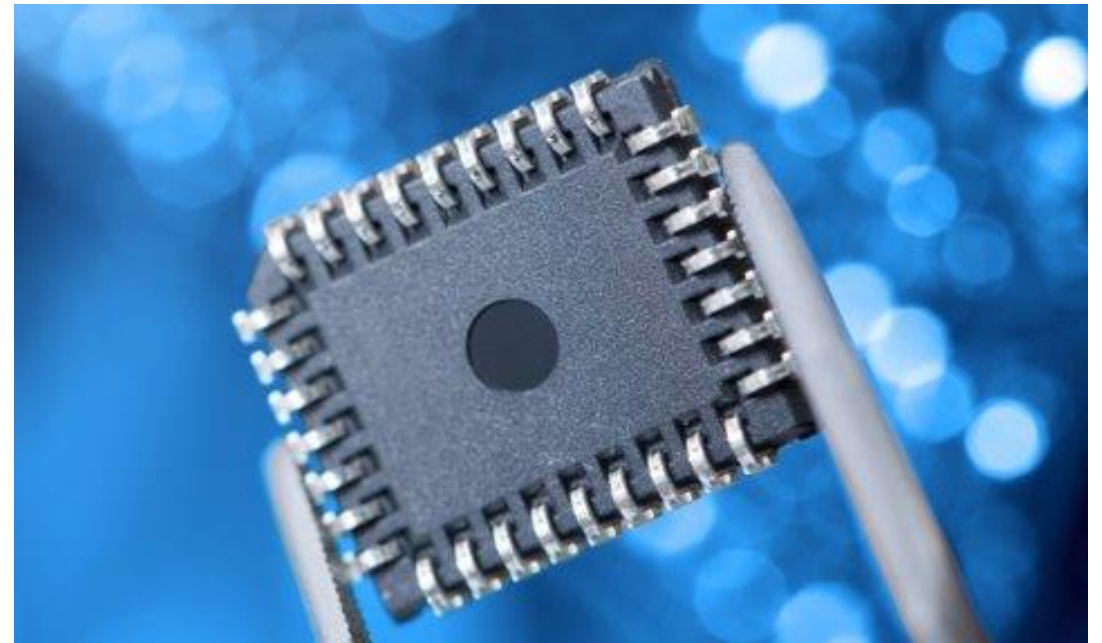
Draft Recommendation on Ethics

- **First global standard-setting instrument** on the **ethics of AI**
- The draft Recommendation offers values, principles and policy areas for action

- Human rights are central to the AI Ethics

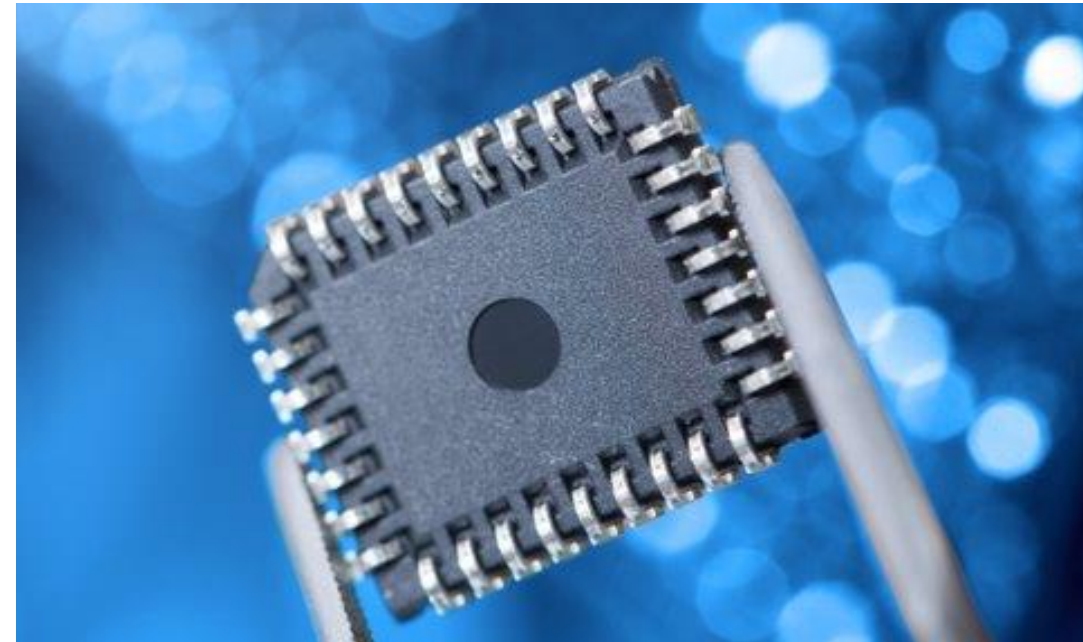
Recommendation

- Privacy
- Biases and Discrimination
- Accountability and Human Control
- Explainability & Transparency



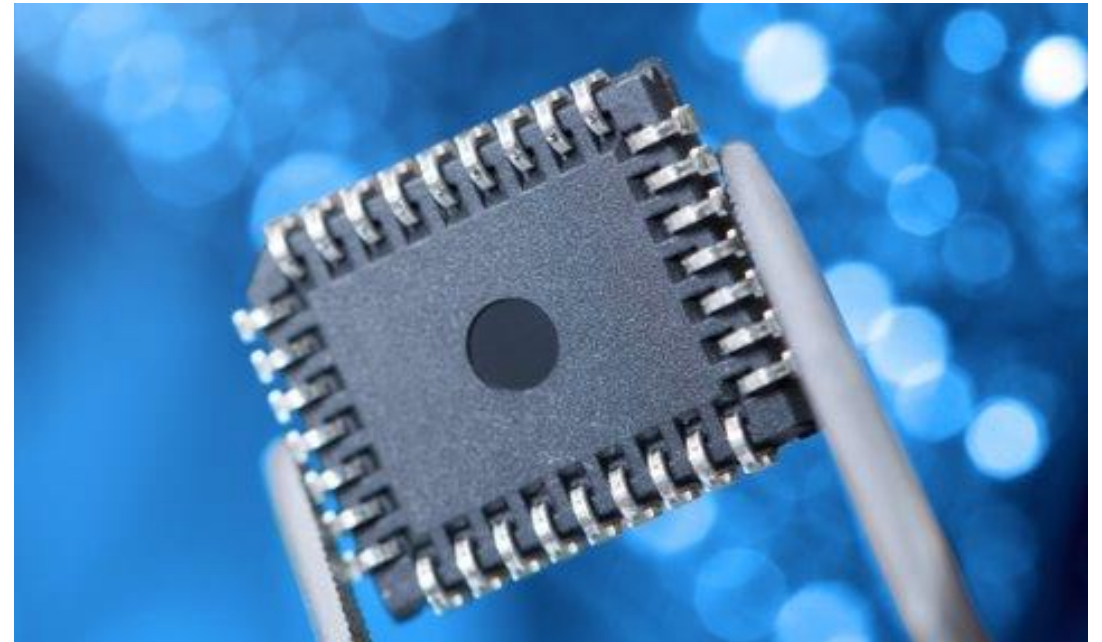
Draft Recommendation on Ethics of AI

- **Process:** Inclusive - multistakeholder, interdisciplinary, multicultural
- Pre-recommendation – Global and regional conferences for advocacy and knowledge exchange
- Background Study – COMEST
- Ad-hoc expert group – 6 regions
- Multistakeholder regional and national consultations



Draft Recommendation on Ethics of AI

- Submitted for Adoption by UNESCO's 41st General Conference in Nov. 2021
- Aims
- How?
 - Policy Advice across 11 policy areas
 - Ethical impact assessment tool
 - AI readiness methodology
 - Capacity building – executive, legislature, judiciary



AI and the Rule of Law: Training for Judicial Operators

- **Global online training** on AI and the Rule of Law
- Based on the findings of the **AI Needs Assessment Survey in Africa**, and another **survey of 1,200 judicial operators**
- Unpack AI's application and impact in the **administration of justice**
- Registration opens in Nov 2021, and training launch in March 2022



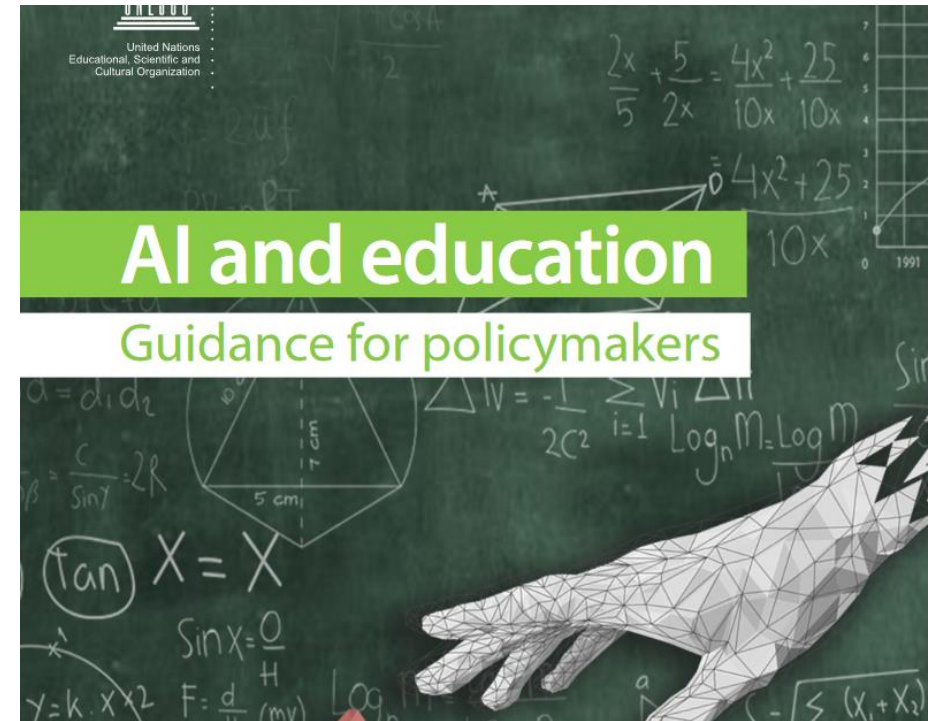
AI Policy Protocols

- Facilitating community consultations
- Aim to provide advice to governments on **inclusive and multi-stakeholder driven processes** for AI policies.
- Through a series of workshops, i4Policy and UNESCO are developing a report: **Activating Collective Intelligence for Artificial Intelligence Policy Frameworks.**




AI and Education Policies

- Emerging practices and benefit-risk assessment
- Harnessing AI 4 SDG4
- Review of policy responses



AI Microlearning for Youth

- Responds to the needs assessment survey in Africa
- The online learning course seeks to advance knowledge and capacities of **young people**
- Topics covered include **impact of AI on freedom of expression, right to equality and the right to privacy**



The screenshot shows a digital interface for a UNESCO UNITAR microlearning course. At the top left, the UNESCO and UNITAR logos are visible. In the top right corner, there is a page indicator '3 / 10' and a menu icon. The main content area features a dark blue background with a woman's profile on the left. The text 'So what exactly is Artificial Intelligence?' is displayed in white and orange. Below this, a quote is shown: 'is the combination of technologies that able of imitating certain functionalities human intelligence.' To the right of the quote is a small image of a glowing blue brain. Below the quote, the text reads: 'AI may include such features as perception, learning, reasoning, problem solving, language interaction, and even producing creative work. (COMEST, 2019)'. At the bottom of the main content area, there is a button labeled 'Watch'.

AI Graphic Novel

- Go beyond a theoretical understanding of AI, shows the **everyday parts** where we are already confronted with AI
- Story respects geographical diversity and gender distribution
- Will be published in 2022



International Women's Day 2021

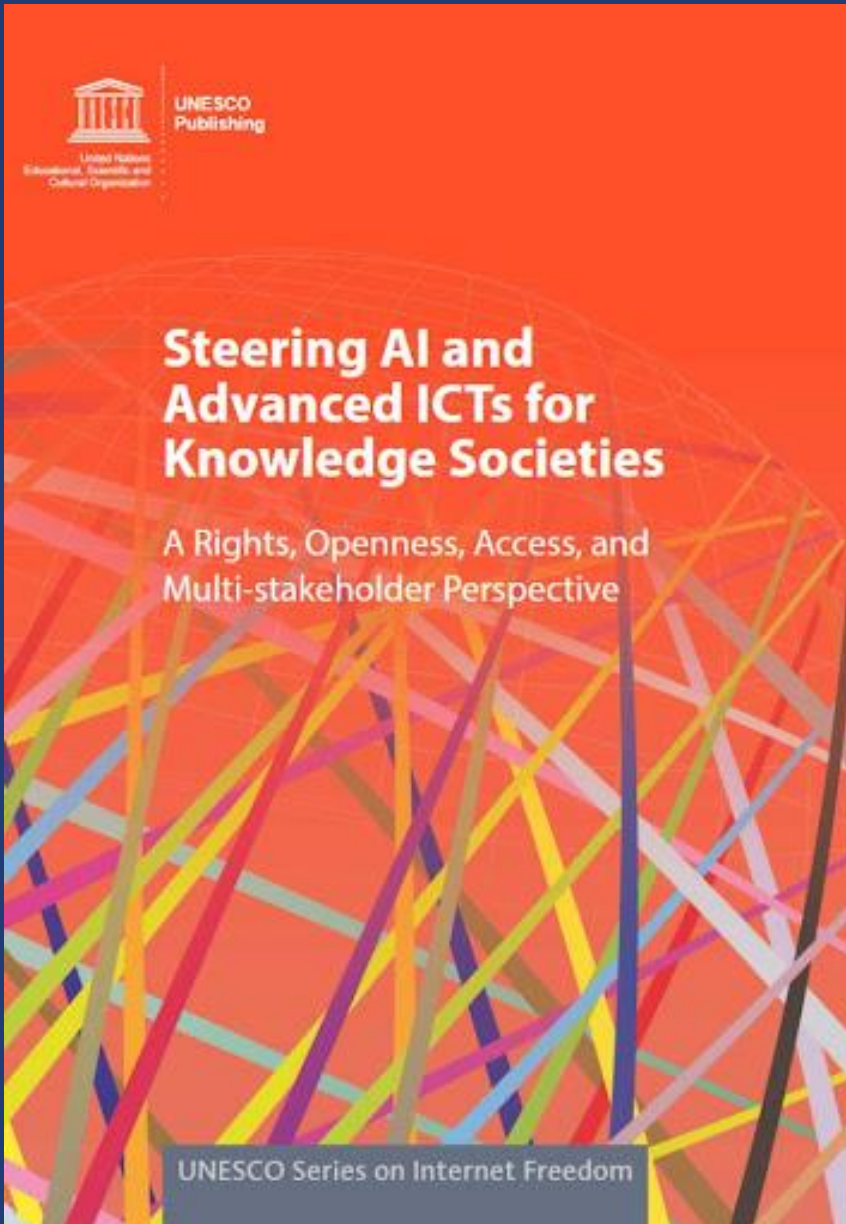
- Virtual event showcasing **women in AI research and work force**
- Brought together **leading female voices** in tech and female change-makers in AI
- Confronted the deep-rooted **gender imbalances** that impact AI





Effects of AI on Women in the Workforce (2022)

- Documents the effects of AI on women
- Looks particularly at **challenges and opportunities** for women throughout their workforce lifecycle
- In collaboration with OECD, IDB and Oxford Internet Institute



Steering AI and Advanced ICTs for Knowledge Societies

- Research report that assesses Artificial Intelligence (AI) through UNESCO's Internet Universality **ROAM framework**
- UNESCO gives attention to the role of **human agency** and **human-centred values** in the development of AI and other ICTs



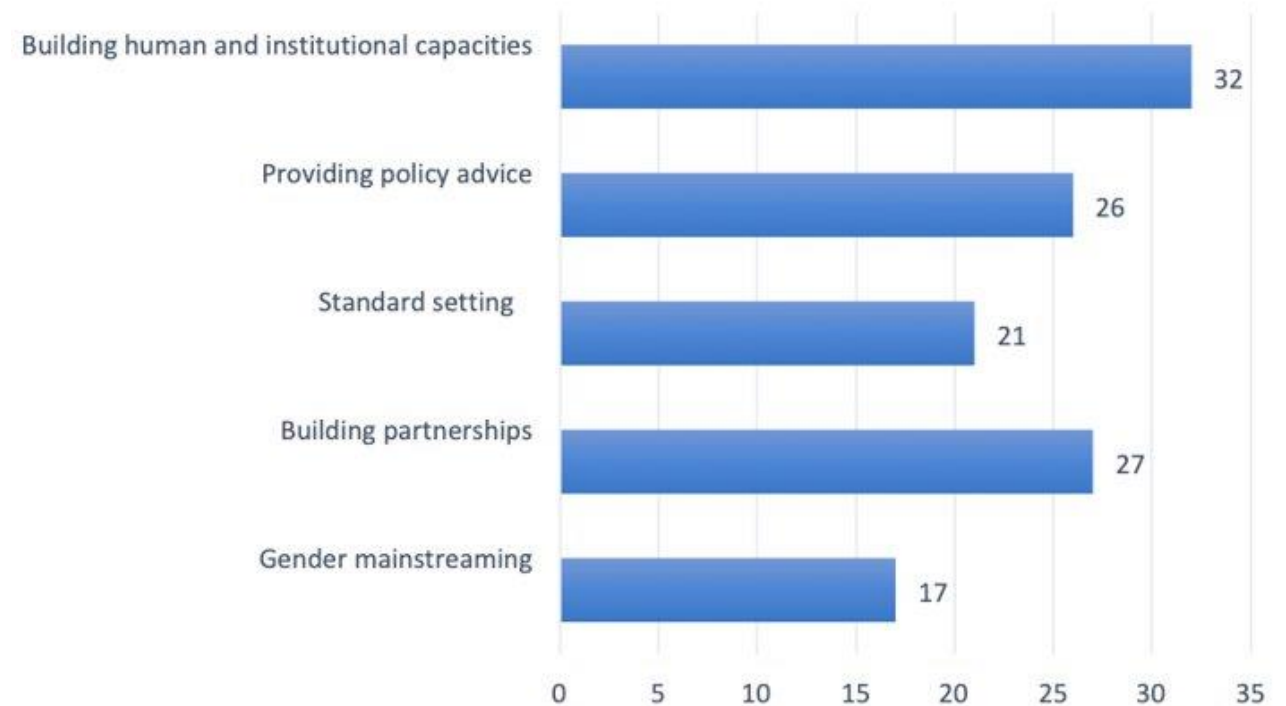
AI Needs Assessment Survey in Africa

- Addresses **gap in information** on AI policies from Developing Countries
- Survey is now used by UNESCO and partners to **better support** member states



AI Needs Assessment Survey in Africa

Areas in which UNESCO's Support is Requested by Member States in Africa





Gaps in AI Policy and Research (2022)

- Foresight piece in collaboration with MILA
- **Identify blind spots** in AI Policy and Programme Development
- Exploring **creative, novel and far-reaching approaches** to tackling blind spots in AI

GlobalPolicy.ai

- Portal launched in 2021
- Provides policy and decision makers with **data, research, use cases, and best practices**
- Includes data and latest news from **8 international organizations**

GLOBAL
POLICY.AI



Achieving impact through intergovernmental co-operation on artificial intelligence

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Key focus areas

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CONSEIL DE L'EUROPE

Council of Europe



European
Commission

European Commission



EUROPEAN UNION AGENCY
FOR FUNDAMENTAL RIGHTS

European Union Agency for
Fundamental Rights



Inter-American
Development Bank

Inter-American
Development Bank

OECD



OECD and OECD.AI



UNITED NATIONS

United Nations



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UNESCO

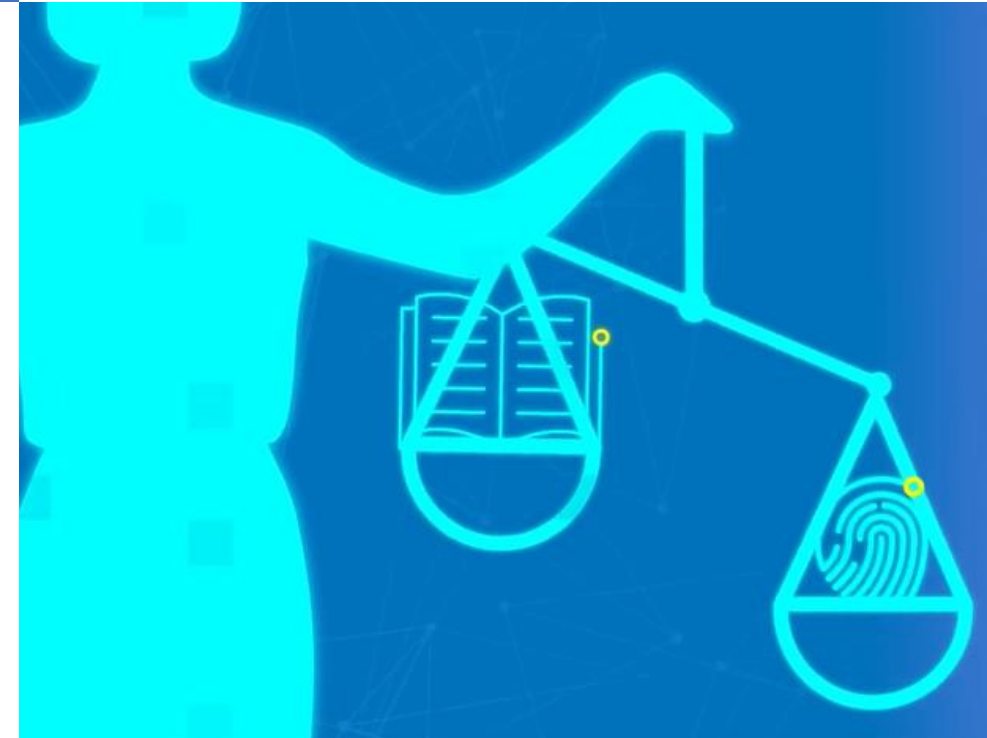


WORLD BANK
GROUP

World Bank Group

Athens Roundtable on AI and the Rule of Law

- Annual conference
- Involves **multistakeholder actors** working at the intersection of AI and law
- Help stakeholders in **developing relevant legal frameworks** for AI



AI For the Planet

- Global virtual conference, series of monthly dialogues
- Bring together the world's **best experts and AI pioneers**
- Highlights **AI innovations** related to **sustainable development**



Open for Good Alliance

- Increased availability and quality of training data in Africa and beyond
- Localized training data for AI and machine learning
- Improve public services and strengthen private sector



Inclusive AI commons with localized data



UNESCO Priorities

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UNESCO's work in the field of AI

- Research and advocacy
- Standard Setting
- Policy Advice
- Capacity Development
- International Cooperation

UNESCO Approach

- Human Rights-based
- Openness in AI Data, Insights, metrics and opportunities
- Positive (useful for AI) development
- Multi-stakeholder approach for AI governance
- Ensuring inclusion and gender equality in applications of AI for all

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- Reviewing practices and benefits-risk assessment
- Supporting AI in 2024
- Review of policy responses

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Thank you!