



United Nations
Educational, Scientific and
Cultural Organization

Apply R.O.A.M principles to AI ethics and governance



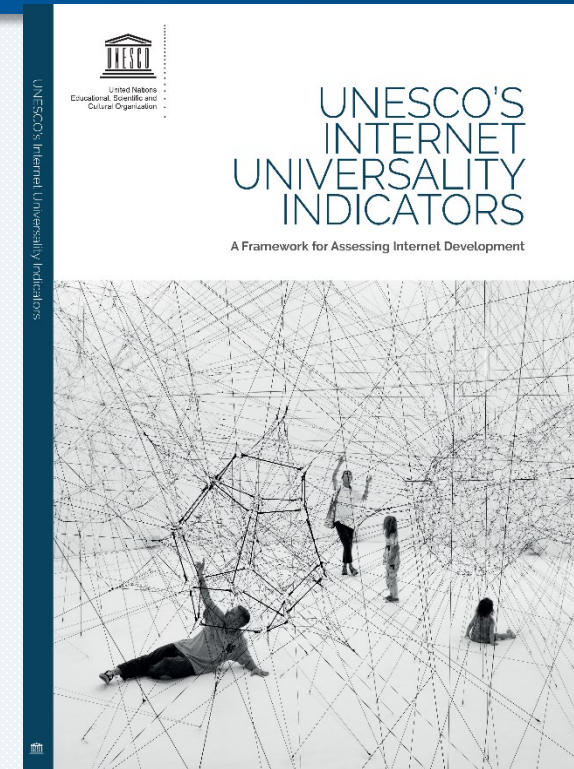
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UNESCO 38th General Conference: Internet Universality, 2018

The Internet should operate in a way that is:

- Human **Rights**-based
- **Open**
- **Accessible** to all
- Nurtured by **Multistakeholder** participation

What is unique?

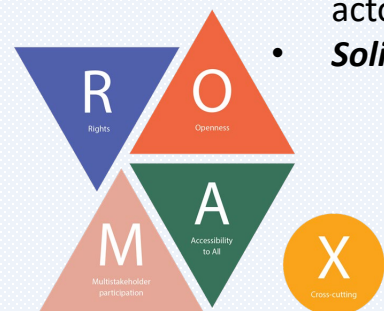


How could ROAM-X contribute and complement?

Unique strength of ROAM-X: as an endorsed position and holistic framework

La force unique de DOAM-X : une position affirmée et un cadre holistique

- **A UNESCO endorsed position and holistic framework, not for ranking**
- An overarching measurement on **legal, policy and regulatory framework**
- Unique strength in **measuring human rights** and **Multi-stakeholder** approach
- A clear focus on **digital inclusion** dimensions (gender, youth, people with disabilities, language, local content)
- **Methodological/process innovation** of a multi-stakeholder implementation to empower national actors and create consensus
- **Solid evidence** based approach
- **Une position approuvée par l'UNESCO et un cadre holistique**, non destiné à être classé.
- Une évaluation globale du cadre **juridique, politique et réglementaire**.
- Une force unique dans la **mesure des droits de l'Homme et une approche multipartite**.
- Un accent clair sur les dimensions d'**inclusion numérique** (genre, jeunesse, personnes handicapées, langue, contenu local).
- **Innovation méthodologique/processus** d'une mise en œuvre multipartite pour responsabiliser les acteurs nationaux et créer un consensus.
- Approche fondée sur des **données probantes**





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ROAM for Standard-setting: UNESCO AI ethics recommendation (2021)

VALUES

- Respect, protection and promotion of human dignity, **human rights** and fundamental freedoms
- Environment and ecosystem flourishing
- **Ensuring diversity and inclusiveness**
- Living in peaceful, just and interconnected societies

PRINCIPLES

- Proportionality and do no harm
- Safety and security
- Fairness and non-discrimination
- Sustainability
- **Privacy and Data Protection**
- Human oversight and determination
- **Transparency and explainability**
- Responsibility and accountability
- Awareness and literacy
- **Multi-stakeholder** and adaptive governance and collaboration



UNESCO

National implementation of ROAM-X indicators

43 countries under ROAM-X assessments since 2019

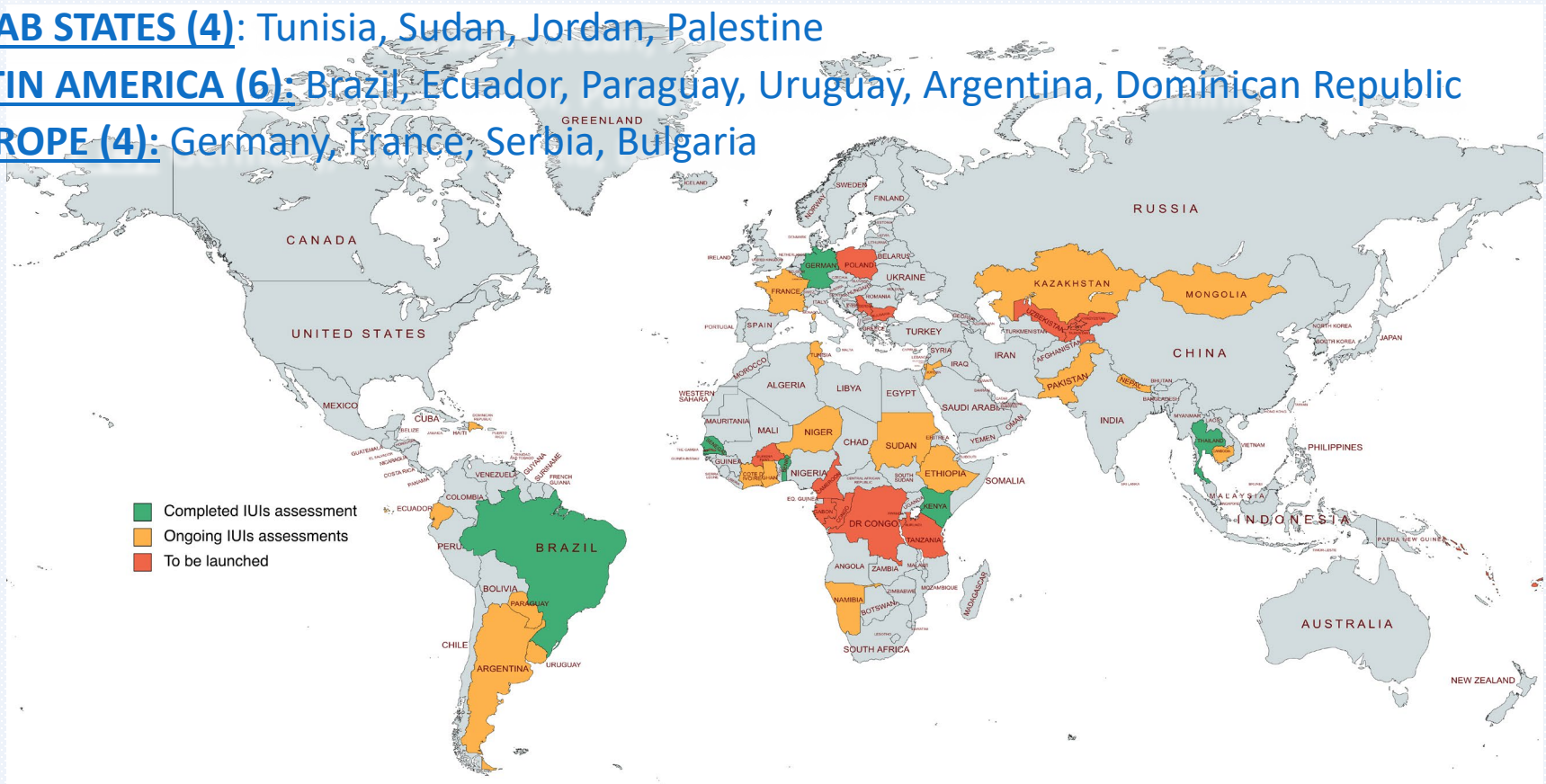
AFRICA (17): Benin, Senegal, Kenya, Ghana, Niger, Ethiopia, Cote d'Ivoire, Cabo Verde, Burkina Faso, Namibia, Tanzania, Gambia, Cameroon, Burundi, Gabon, Congo RC, Congo RDC

ASIA (12): Thailand, Nepal, Pakistan, Cambodia, Mongolia, Kazakhstan, Kyrgyzstan, Tajikistan, Tonga, Fiji, Solomon Islands, Vanuatu

ARAB STATES (4): Tunisia, Sudan, Jordan, Palestine

LATIN AMERICA (6): Brazil, Ecuador, Paraguay, Uruguay, Argentina, Dominican Republic

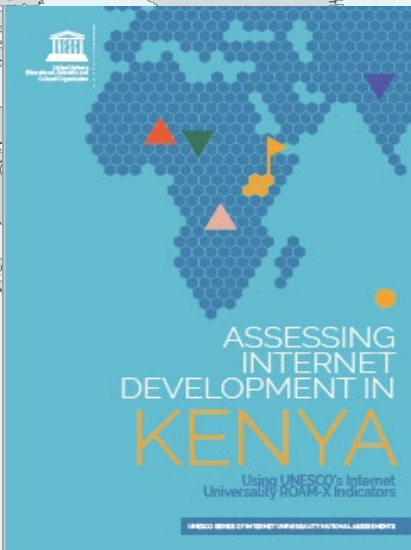
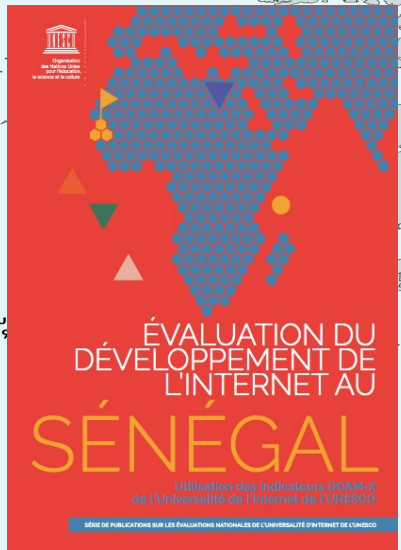
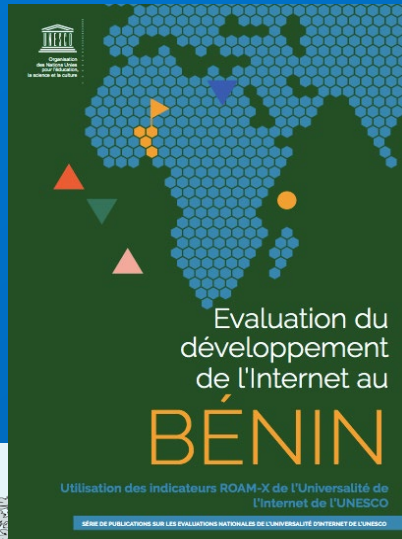
EUROPE (4): Germany, France, Serbia, Bulgaria



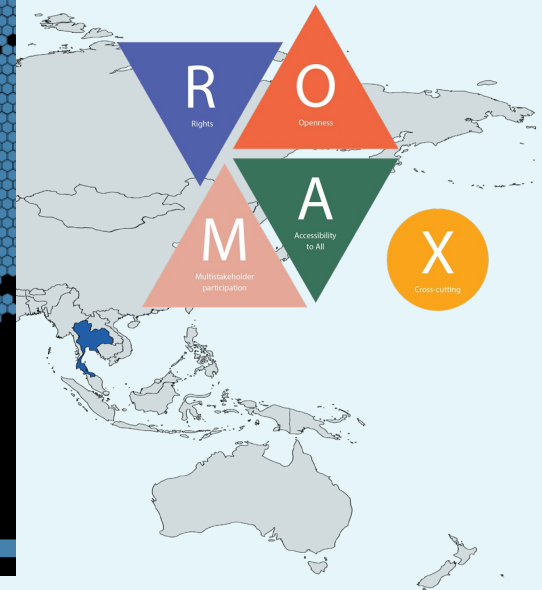


6 completed ROAM-X assessments: Brazil, Benin, Senegal, Kenya, Germany and Thailand

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- To read all the completed assessments of ROAM-X, visit the following page: <https://en.unesco.org/internet-universality-indicators/national-assessments>



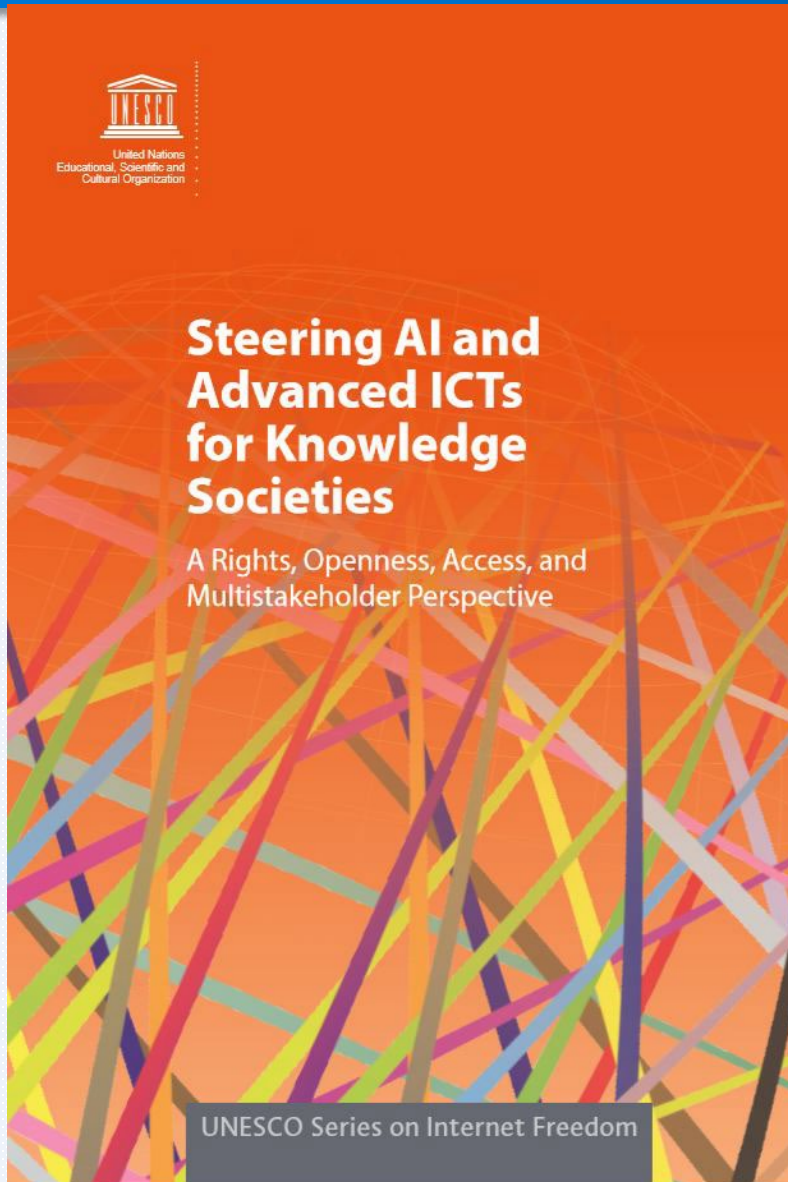
ROAM-X resonates all Policy areas of AI ethics recommendation

1. Ethical impact assessment
2. Ethical governance and stewardship
3. Data policy
4. Development and international cooperation
5. Environment and ecosystems
6. Gender
7. Culture
8. Education and research
9. Communication and information
10. Economy and labor
11. Health and Social Well being

Policy areas 9. Communication and information:

- improve access to information and knowledge
- respect and promote freedom of expression
- promote digital and media and information literacy skills
- create enabling environments for media to report on AI

ROAM-X supports AI ethics



- Human **R**ights-based
 - **O**penness in AI: Knowledge, data, markets and opportunities
 - Inclusive **A**ccess for AI development
 - **M**ulti-stakeholder approach for AI governance
 - Cross-cutting Issues
 - AI and gender **X** AI and Africa
- <https://en.unesco.org/internet-universality-indicators/ai-roam>



Useful resources

1. IGF Dynamic Coalition of Internet Universality Indicators:

<https://www.intgovforum.org/multilingual/content/dc-on-internet-universality-indicators-dc-iui>

Subscribe to DC of IUIs: <https://en.unesco.org/feedback/join-our-internet-universality-community>



3. Internet Universality Indicators:

<https://en.unesco.org/internetuniversality>

4. AI and ROAM

<https://en.unesco.org/internet-universality-indicators/ai-roam>

5. African Needs assessment of AI

<https://unesdoc.unesco.org/ark:/48223/pf0000375322>

6. Draft recommendation on AI ethics

<https://en.unesco.org/artificial-intelligence/ethics>

