MAPPING OPEN SOLUTIONS TO DEVELOP ROBUST AND COHESIVE POLICY ECOSYSTEMS

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OER recommendations and Open Solutions

Capacity Building: Invest in training programs to help educators use AI enabled OER responsibly including understanding IP

Develop Supportive Policies: Develop policies to OER by fostering a culture of openness and collaboration in educational institutions.

Inclusive Access: Ensure equitable access to OER and robust technological infrastructure, addressing challenges like data governance and environmental impact.

Sustainability Models: Build and maintain open infrastructures and governance models to ensure transparent, accountable, and secure data management for OER.

International Cooperation: Promote global collaboration on OER through communities of practice, research, and shared projects to advance responsible AI approaches in education.

open solutions dimensions for policymaking – ROAMx

Rights: Protect user privacy, data security, and intellectual property in the digital learning environment.

Openness: Ensure the promotion of OER by fostering a culture of sharing and collaboration.

Accessibility: Promote inclusive access to OER for all learners, regardless of their socio-economic background.

Multi-stakeholder Participation: Engage governments, educational institutions, private sector, and civil society in the development and dissemination of OER.

Cross cutting indicators: Promote OER for support women's empowerment and gender equality, children safety and mitigate environmental impact

Policy recommendations

OER and Open Solutions

- Ensure OER **access** for vulnerable communities, including those with disabilities, in rural areas, and displaced persons, while respecting indigenous knowledge
- Promote **environmentally sustainable practices** for open solutions to reduce energy consumption and carbon footprint.
- **Strengthen international efforts** to address challenges in OER, Open Science, Open Data and AI to promote copyright compliance and supporting educators
- Strengthen cooperation **in capacity building** for the adoption of open solutions in terms of licensing, copyright, and data protection challenges and responsible AI
- Recognise OER's role in **achieving SDGs** and promote the development of responsible and scalable OER.
- Promote **Multi-stakeholder Participation** for responsible AI and data governance frameworks to protect educational data privacy and security.

Policy Framework for Open Solutions Governance

Challenges for OER	ROAMX Indicators	Digital Public Goods	Digital Commons	Global Digital Compact	UN Roadmap for Digital Cooperation
AI and Privacy Concerns	Rights	Ensures AI adheres to responsible standards	Collective management of AI tools	Establishes principles for ethical AI usage	Promotes responsible AI-enabled development
Bias in AI Algorithms	Rights	Promotes fairness and impartiality in AI-enabled OER	Ensures equitable access to AI benefits	Develops shared responsible AI for OER guidelines	Promotes ethical AI deployment
Blockchain and Energy Consumption	Accessibility	Promotes scalable and energy-efficient blockchain solutions	Sustainable management of blockchain resources	Advocates for sustainable and efficient digital practices	Encourages energy-efficient digital technologies
Interoperability and Standards	Openness	Ensures open standards for AI and blockchain	Promotes a culture of sharing and collaboration	Advocates for open internet standards	Supports universal access to digital tools
IPR and Licensing Issues	Rights / Openness	Protects intellectual property and supports open licensing	Collective governance addressing IPR issues	Develops shared guidelines for IPR and licensing	Advocates for fair and open licensing practices
Digital Divide	Accessibility	Aims for universal access to AI and blockchain benefits	Ensures inclusive access to digital resources	Focuses on digital inclusion and equitable access	Aims to bridge the digital divide and enhance connectivity