

AI BY & FOR ALL

FAIR Forward
Replication Kit



**Replication part
(3): Playbooks,
Handbooks &
Studies**



Implemented by:



FAIR FORWARD

Artificial Intelligence for all.

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In the following, you will find practical tools that can help you to navigate open, responsible AI. All our playbooks, handbooks and studies are available for reuse (see terms in the respective documents). We are grateful to all partners and authors for their work.

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FOR POLICYMAKERS IN ASIA AND AFRICA - PLAYBOOKS, HANDBOOKS AND STUDIES

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ABOUT THE REPLICATION KIT

The FAIR Forward **Replication Kit** brings together the initiative's key experiences and proven methods in the areas of open-source and locally anchored AI, capacity building and responsible AI governance from 2019 to 2026. Designed specifically for practitioners, learners, organisations, institutions and governments, it contains lessons learned, methodologies, playbooks, studies, open-source datasets, AI models and implementation guidance, which can be adapted and replicated in different contexts.

The replication kit contains the following:

- Replication part (1): Five FAIR Forward products for institutions, governments and development partners & replication kit for AI practitioners
- Replication part (2): Lessons learned
- **Replication part (3): Playbooks, handbooks and studies - [THIS DOCUMENT]**
- Replication part (4): Catalog of open-source datasets, AI models and AI systems
- Replication part (5): Key actions of FAIR Forward with links to key information

Get access to the full replication kit at:

<https://www.bmz-digital.global/en/overview-of-initiatives/fair-forward/#replicationkit>

For policymakers in Asia and Africa - playbooks, handbooks and studies

Your key question	The right handbooks for you
How can I as a policy maker measure the maturity of the AI ecosystem of my country?	Developing an Artificial Intelligence Maturity Assessment Framework for South Africa & First Annual AI Maturity Assessment 2025
How can I as a policy maker learn from other countries in Africa and Asia on AI policy making?	The AI Policy Playbook – Navigating AI policy development through and African and Asian lens
Which key things should I know and discuss on AI as a policy maker in Indonesia? how should a training be structured?	Handbook for Artificial Intelligence (AI) Training for Policymakers Indonesia. In English and in Bahasa (Buku Panduan Pelatihan Kecerdasan Artifisial (KA) untuk Pemangku Kebijakan).
How can I as a policy maker support a tech ecosystem that produces more language ai in my local languages?	Building an Open and Responsible Voice Technology Ecosystem . Policy Recommendations for Digital Inclusion in India and A Study on Open Voice Data in Indian Languages (2021)
How can I strategically use open source to advance AI as a policy maker or as a tech person?	Advancing Open-Source AI in India . Recommendations for Governments and Technology Developers
What do I need to consider when procuring AI for my government or agency (in India)?	AI Procurement Guidelines: How to procure responsible AI (to be published in 2026)
What are the best strategies for me as a policymaker to support the responsible, inclusive, and ethical development and deployment of AI in Ghana and in Kenya?	Ghana Artificial Intelligence Practitioner's Guide And Artificial Intelligence Practitioners' Guide: Kenya
How can I support ai start-ups in my country to build AI by implementing a mentorship programme that empowers start-ups to be financially successful with open-source AI?	Creating sustainable business and funding models with open source AI . A Mentorship Toolkit for start-up support organizations
Which are key recommendations that policy makers in Africa should consider when looking at AI? (as of 2021)	Smart Africa Blueprint: Artificial Intelligence for Africa (2021)

For agencies that support sustainable development and AI - playbooks, handbooks and studies

Your key question:	The right handbooks for you
How can I as an advisor, devise a training programme for policymakers?	Handbook for Implementing a Capacity Building Programme for Policy Makers on AI
How can I as an advisor support the building of an AI training programmes for women and how can I scale it?	AI and Data Science Bootcamp Impact report - Impact report on scaling a curated training across South Africa, Ghana and Rwanda
Which steps do I need to take if i want to implement chatbots for better service delivery in development projects?	„Hi, how may I assist you?“ - Chatbots for Better Service Delivery . Practical Guide, Applications and Principles in Development Cooperation
How can I replicate a mentorship programme that empowers start-ups to be	Creating sustainable business and funding models with open source AI . A

financially successful with open-source AI?	Mentorship Toolkit for start-up support organizations
How can I conceptualize and run a regional one-year innovation programme for African AI and climate start-ups?	"How-to" Guide for Running a Pan-African Innovation Challenge on AI in Climate Action (to be published in Q3 2026, contact fairforward@giz.de for a copy)
Which are the most promising examples of using AI for climate action and which principles do I need to take into account as an advisor?	AI for Climate Action . Applications and Principles in Development Cooperation
What should I consider as an advisor if I want to support the building of an LLM-based agricultural advisory service?	Disrupting agricultural advisory utilizing generative AI : Lessons learned from Minimum Viable Product development of the Agricultural Information Exchange Platform
I would like to know to which political commitments the project FAIR Forward was contributing to and what its political directions looked like?	See the List of Individual Commitments of the Hamburg Declaration on Responsible Artificial Intelligence (AI) for the Sustainable Development Goals (SDGs)
How can I as an advisor replicate FAIR Forwards approach and what have been key learnings of the programme?	"AI by & for All: FAIR Forward impact report and replication kit" with key learnings, products and replication products for practitioners, governments and development partners [this report]

For AI Software Developers in Asia and Africa and data-collection communities - playbooks, handbooks and studies

03

Handbooks on how to mitigate harms and risks

Your key question:	The right handbooks for you
How can I as an AI developer identify and assess potential harms and biases in AI systems?	Responsible AI Assessments . Identify and assess potential harms and biases in AI systems with a focus on use cases in Sub-Saharan Africa and Asia (Part A: Step-by-Step Guide, Part B: Qualitative Guide. Part C: Quantitative Guide) Version that can be edited for updates / replication (word-compatible).
Which steps do I have to take as an AI developer in India to build Indic voice technologies that are inclusive?	Indic Voice Technologies For An Inclusive Digital India . Toolkit for Developers
How can I as an AI developer in India make sure that AI is in line with data protection?	Handbook on Data Protection and Privacy for Developers of Artificial Intelligence (AI) in India (Update 2026, see also first edition 2021)
How can I make sure that local AI data collection will not impact negatively on environment, conflict, gender or communities?	The Community-Engagement-Framework for ML-Datasets of Lacuna-Fund for dataset collection projects And the The Guidance on Environment, Conflict, and Gender of Lacuna-Fund for dataset collection projects.

Handbooks on how to leverage open-source AI

Your key question:	The right handbooks for you
How can I strategically use Open Source to advance AI as a tech person?	Advancing Open Source AI in India . Recommendations for Governments and Technology Developers
How can I as an AI-start-up make money while leveraging open-source AI and	Creating sustainable business and funding models with open source AI . A

contributing back to AI public goods?	Mentorship Toolkit for start-up support organizations
How can I as a local AI community share AI training data and build allies without risking data colonialism?	Follow the recommendations of this article: Open source AI Data Sharing: yes! Data Colonialism: no! by Open for Good Alliance Medium and check the impact report, section “Open Source AI in practice II: the challenges and solutions”
Which licenses should I use as a AI developer in Africa? (or a policy maker devising programmes on ai digital public goods)?	FAIR Forward posters on open data licensing in AI — an African lens: Balancing open access with commons sustainability for AI practitioners Open for Good Alliance and The IP-Policy of the LacunaFund for open source AI dataset collection projects
What should I consider as an AI developer, if I want to engage in community-building to collect AI training data?	• Creating community-driven datasets: Insights from Mozilla Common Voice activities in East Africa • Language AI for social impact - a Playbook on how to use language technology for community engagement. • Community-Centered Data Ownership and Governance: An Ethical Framework for Creating Speech Datasets in Under-Represented Languages (draft) & NOODL. An experiment in equitable data licensing: promise and limits • The Community-Engagement-Framework for ML-Datasets of Lacuna-Fund for dataset collection projects • Indic Voice Technologies For An Inclusive Digital India. Toolkit for Developers
How can I as a university or a capacity-building institution spread knowledge on how to build local open-source AI?	The FAIR Forward replication kit on “localized open source AI training courses” provides you with an interactive e-learning course, that you can integrate in your online learning offers. You can fully customize it, including by editing the videos to add your own examples. See the Replication Kit for the Artificial Intelligent for All Series of Courses on Open and un-biased AI Training Data · GitHub by Makarere University
How can I as a data collector ensure that my datasets are ready for widespread reuse by others in the Machine Learning (ML) community?	The AI Training Dataset Sustainability Toolkit of Lacuna-Fund (by LDRI) ML Dataset Sustainability Toolkit

How to create LLM-based solutions (and other handbooks for developers)

Your key question:	The right handbooks for you
What should I consider as an AI developer, if I want to build an LLM-based agricultural advisory service?	Check out the following: - Building AI-based advisory services for smallholder farmers: Technical learnings from the AIEP Initiative - Disrupting agricultural advisory utilizing generative AI: Lessons learned from Minimum Viable Product development of the Agricultural Information Exchange Platform) - Language AI for social impact - a Playbook on how to use language technology for community engagement. by CLEAR GLOBAL
Which steps do I need to take if I want to implement chatbots for better service delivery?	„Hi, how may I assist you?” - Chatbots for Better Service Delivery . Practical Guide, Applications and Principles in Development Cooperation
I am interested to know how the status of earth observation AI training data looked like in India in 2022.	A Study on Earth Observation Training Data Landscape in India

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Online Access

You can access the full impact report and all parts of the replication kit at:
<https://www.bmz-digital.global/en/overview-of-initiatives/fair-forward/#impact>

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