AIxADB

Harnessing the Power of
Artificial Intelligence for Development

ADB AI Sandbox Program

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real challenges | real impact.

The program accelerates AI adoption for DMCs by leveraging in a **systematic, safe, neutral, and collaborative environment**.

Program Overview

Open to ADB Developing Member Countries only

Aligned with ADB Country Partnership strategies

Selection process based on impact

Partnership approach

Catalyze through seed funding and resources

Time-bound (6-9 months)

Selective process with application

Designation of country focal

ADB's AI Innovation Sandbox Program

Why sandbox by ADB?

Safe space for pilots

Localized solutions
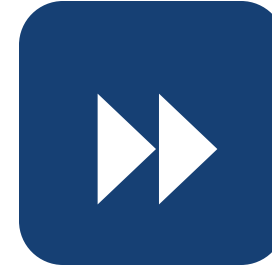
Accelerated innovation

Capacity building

Access to ADB's resources and expertise

Fostering partnerships and collaboration

The sandbox helps DMCs take **calculated risks, develop innovative solutions tailored to their needs**, and **build a sustainable foundation** for long-term digital transformation.

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ADB AI Program Resources
Tech Stack, Data & Governance

Safe Tech Stack

Data & Governance

Catalyst

AI-secured cloud Infrastructure

ADB Managed Open-Source AI Models

ADB's Software Development Platform

Responsible AI
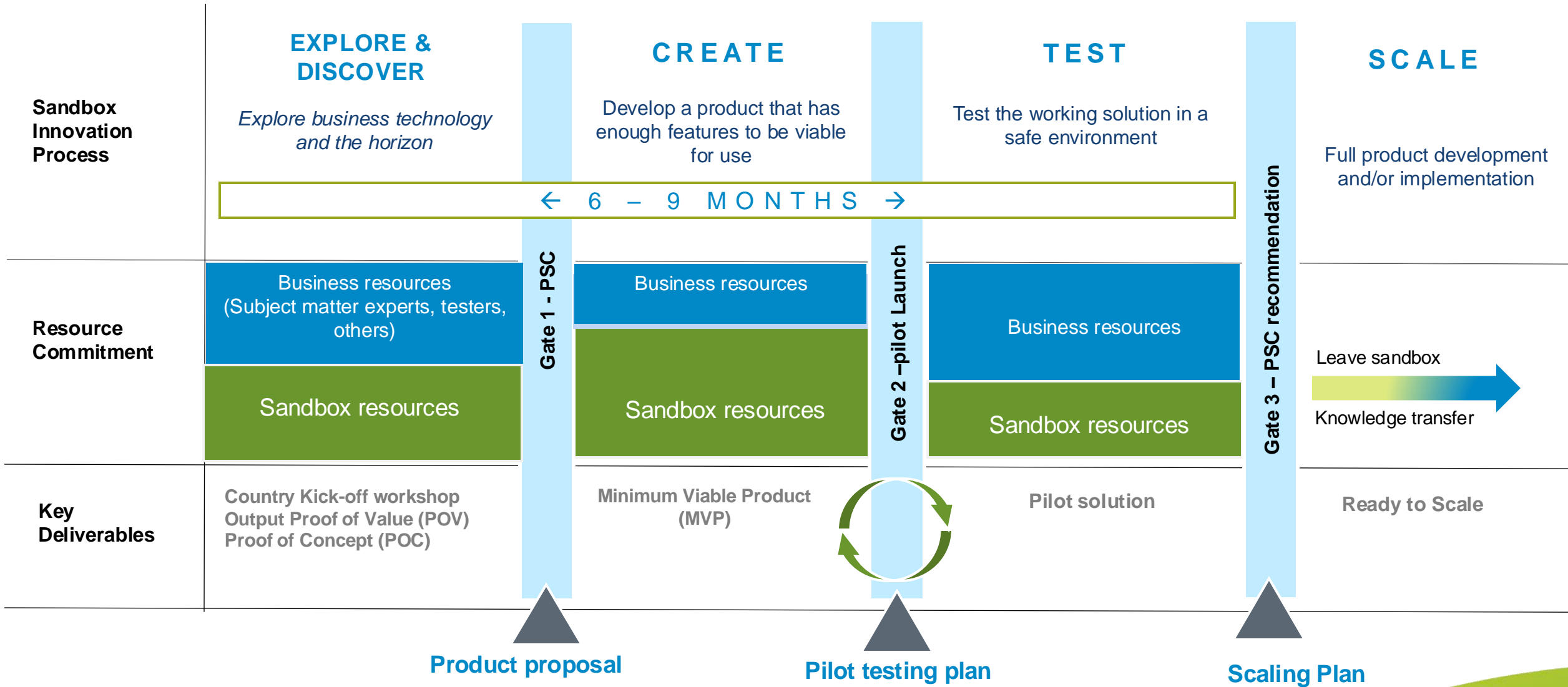
Big Data

ADB Experts

Partners

ADB Funding

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AI Sandbox Program Approach

	EXPLORE & DISCOVER		CREATE		TEST		SCALE
Sandbox Innovation Process	*Explore business technology and the horizon*		Develop a product that has enough features to be viable for use		Test the working solution in a safe environment		Full product development and/or implementation
	← 6 – 9 MONTHS →						
Resource Commitment	Business resources (Subject matter experts, testers, others)	Gate 1 - PSC	Business resources	Gate 2 – pilot Launch	Business resources	Gate 3 – PSC recommendation	Leave sandbox → Knowledge transfer
	Sandbox resources		Sandbox resources		Sandbox resources		
Key Deliverables	Country Kick-off workshop Output Proof of Value (POV) Proof of Concept (POC)		Minimum Viable Product (MVP)		Pilot solution		Ready to Scale
	Product proposal			**Pilot testing plan**		**Scaling Plan**	

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ADB Responsible AI Framework

- September 2024

ADB is developing its own AI responsible framework for several reasons

01
Responsible AI Framework with ADB's multilateral Mission Specific Needs

- ADB aims to establish a framework that fosters responsible AI practices through multilateral collaboration, viewed through a common development lens, to address both regional and global challenges.
- ADB focuses on sustainable development, poverty reduction, and economic growth in Asia.
- Existing frameworks may not fully align with these specific goals.

02
Regional relevance including Legal & Regulatory Fit

- The diverse cultural, social, and economic contexts across Asian countries require a framework that reflects this complexity, which existing frameworks might not adequately address.
- Asia's varied legal systems necessitate a flexible framework that can adapt to different jurisdictions, a need that might not be met by standard frameworks.

03
Ethical Consideration

- ADB aims to emphasize inclusivity, fairness, and ethical AI use in the context of development, requiring a framework tailored to these values.

Bringing ADB's Responsible AI framework to life

The 8 Responsible AI principles have been 'incorporated by design', within the operations of;

the framework's key elements of policies, people, governance, process, dependencies, technology and oversight;

to enable ADB to identify, design, manage and monitor controls that exist or require build across the lifecycle of AI
- **Production of AI**: The development of AI models
- **Use of AI**: The process of consuming AI-generated information
- **Societal Impact of AI:** The ongoing evaluation of consequences from AI use

in 5 common AI use case categories at ADB. To build, procure and consume AI driven technology, publish using AI or advise on the use of AI.
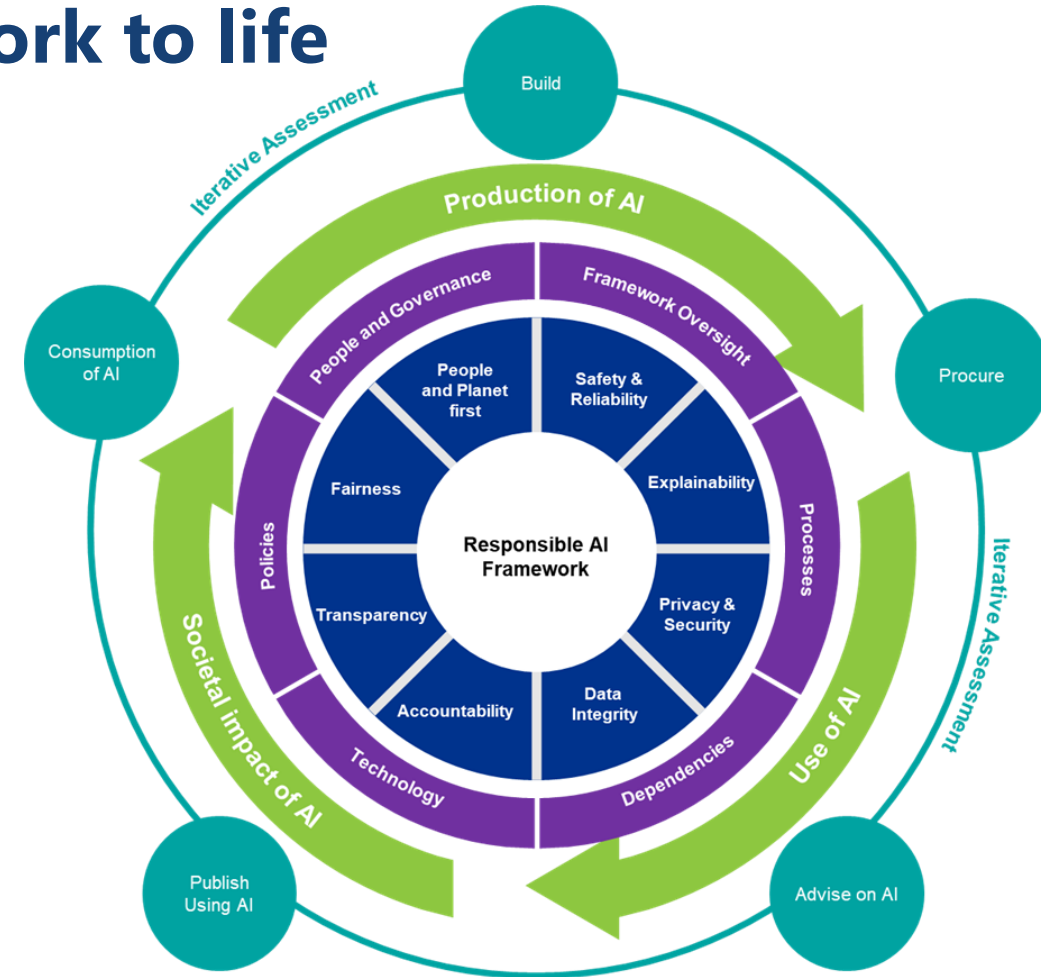
Building technology solutions incorporating AI

Building technology solutions within ADB incorporating the use of AI as an irreplaceable component of the solution for use in ADB operations.

Publication of articles and provision of advice with the assistance of AI

Utilising AI as a tool to aid the process of publishing articles for purview of the general public or for provision of advice to external clients such as DMCs, including, but not limited to, research, drafting, editing and formatting.

Engaging/Accessing AI-generated content

Consumption of content generated by AI systems, in which users may need to evaluate the authenticity, accuracy and relevance before application or dissemination.

Provision of advice on the use of AI

Providing advisory services to external clients such as DMCs to support client's adoption of AI, either in the procurement of third-party technology solutions with an AI component or client-built technology solutions incorporating the use of AI.

Using a third-party technology solution with an AI component

Procurement of third-party technology that incorporates AI as an essential component for use in ADB operations.

Elements of ADB's Responsible AI framework

People and planet first
Protecting People and Planet. In service to people and planet, showing respect towards society and fundamental societal values. Optimize AI solutions to limit negative environmental impact where possible
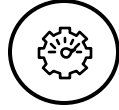
Safety and Reliability
Safeguard AI solutions against harm to humans and/or property. Ensure AI systems perform at the desired level of precision and consistency.

Explainability
Ensure AI solutions are understandable as to how and why recommendations are made or conclusions drawn

Privacy and Security
Ensure compliance with data privacy regulations and consumer data usage. Safeguard against unauthorized access, bad actors, misinformation, corruption, or attacks

Data integrity
Ensure data quality, governance, and enrichment steps embed trust

Accountability
Human oversight and responsibility embedded across the AI lifecycle to manage risk and ensure compliance with regulations and applicable laws

Transparency
Include responsible disclosure to provide stakeholders a clear understanding as to what is happening within the AI solution and across the AI lifecycle

Fairness
Ensure models reduce or eliminate bias against individuals, communities or groups