

Digitalization and AI for Better Public Infrastructure Investment Outcomes

International Concept Conference “Navigating the Future of Project Governance: Strategies for Success”

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Public Investment Projects: Challenges and Solutions

Flow Challenges	PIPELINE Proposed Public investment Projects	PORTFOLIO Committed Public Investment Projects
	Politics and proceduralism rather than professionalism drives selection of new projects	Overcommitted capital budgets
	Disconnect between upstream planning, project preparation and budgeting	Extensive Cost and Time Overruns
	Complex tools and fragmented information for project readiness	Low quality / value for money projects
	High technical staff turn-over and weak inhouse capacities	Fiscal Adjustment Pressures
Stock Challenges	Existing public asset stocks	
	Access gaps (quality and quality)	Lack of O&M leads to lower service delivery outcomes, limits productivity and sustainability
Diagnostic and Decision-Support Solutions	PIM Project Readiness & SCBA-CS Tools	PIM Portfolio Rationalization Methodology & Tools
	Strategic Public Infrastructure Access Mapping Tools	Non-Financial Asset Registration, Valuation, & Proactive Management



Scalable Solution: Diagnosing delivery challenges and supporting reforms

The solution focuses on diagnosing delivery challenges and supporting reforms to the management of public investment projects, helping ministries of Finance deliver better in three steps:

STEPS

1

Rationalization of the committed portfolio

A triage methodology helps to identify which projects to **drop, deliver, or restructure**, freeing fiscal space and accelerating results.

2

Strengthening the pipeline

Value-for-money entry gates, project readiness standards, and tools to support **Cost-Benefit Analysis**, **Cost-Effectiveness**, and **Climate Change Screening** raise the quality of new capital budget flows.

3

Keeping the asset stock productive

Public asset governance diagnostics and adequate Operations-and- Maintenance budgeting sustain service delivery from existing assets.

SUPPORT

InfraGov 2.0

The InfraGov 2.0 diagnostic anchors the approach, assessing PIM/PAM maturity across 16 dimensions to sequence reforms.

Digital Tools

Companion digital tools are being finalized to support reform implementation.

Operations

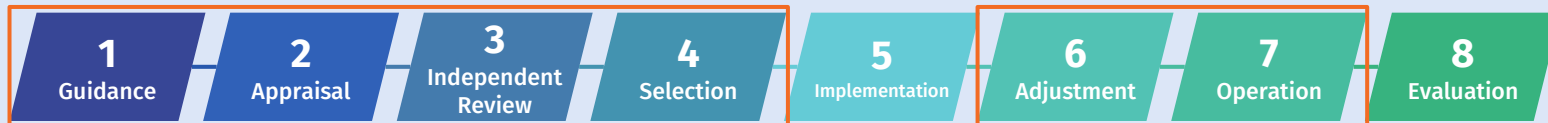
DPOs, PforRs, IPFs, other TA/co-financing



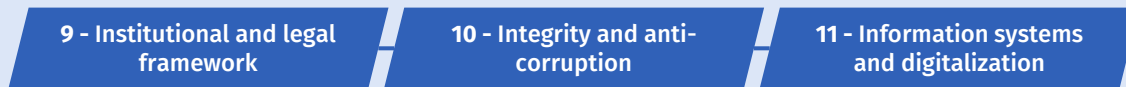
Scalable solution: Supported by the 16 dimensions of InfraGov 2.0

InfraGov 2.0 Framework

8 Must Have Dimensions for Project Delivery



Cross-Cutting Dimensions (9-11)



Special Agenda Dimensions (12-16)



Project Preparation

Solutions:

Value-for-money entry gates, project readiness standards, and tools to support Cost-Benefit Analysis, Cost-Effectiveness, and Climate Change Screening raise the quality of new capital budget flows

Adjustment and Operation

Solutions:

Project Rationalization Analytics
Portfolio doctor

Asset Management

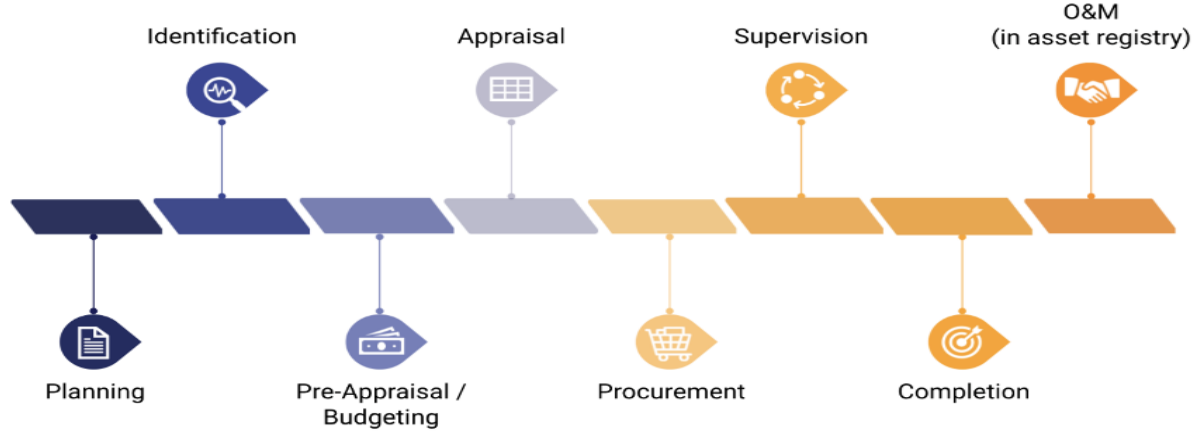
Solutions:

PAG-FR Analytics
Valuation and Risk Decision-support

Solution Delivery

Delivery operations design and implementation (DPOs, IPFs, PforRs and TA operations), peer learning, cross country analytics, knowledge curation, guidance, digital tools.

Management across the project life cycle



Business processes for lifecycle approvals (documentation and gatekeeping, disbursement)

Clear links with core FMIS systems, including budgeting treasury and procurement (Open Contracting Data Standards)

Timely and comprehensive information on financial and physical status

Data analytics

Ability to screen projects by location for climate extremes, climate change risks

Transparency and accountability function (citizens disclosure)

Active risk and performance monitoring, linked to rationalization

Planning and management of the whole-life costs of the assets

Foundations / Core Functions

Options/ Frontier

PIM Digital Transformation: Cost-Benefit Analysis



paper-based



digitization



digit^{ta}lization



Prioritization & Sequencing: whole of project life cycle, whole of government

Institutional + Technology People, Process, Technology Modernization

Why

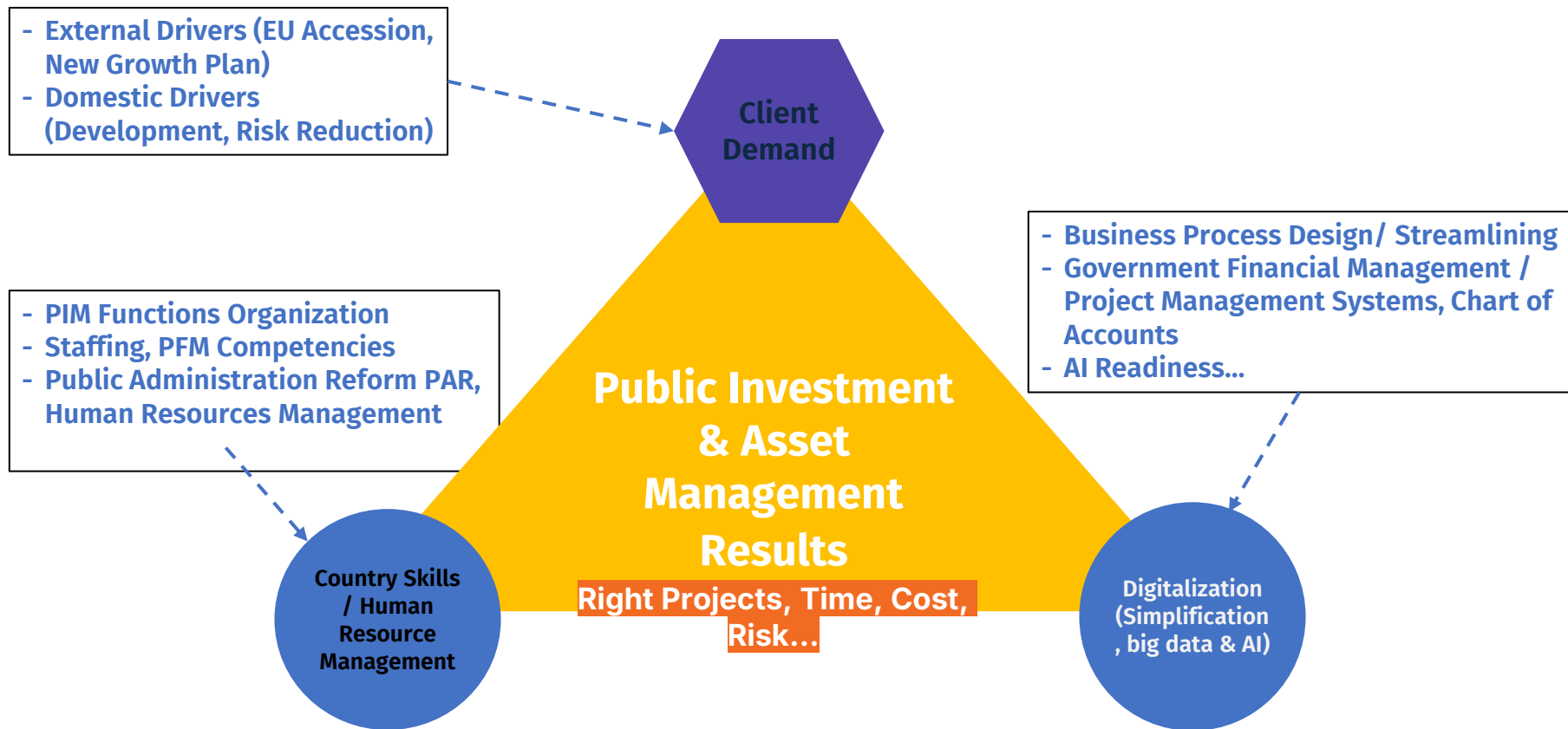
What

How

Where next



...with entry points depending on the country context





Key Metrics

PIM Proportionality: What projects - by size, complexity, financing, risk, etc. - are covered by PIM due diligence?

PIM Materiality: What share of capital expenditure flows (CAPEX) at annual & medium terms are constituted by PIM projects?

Policies clarify coverage over national, sub-national and state owned enterprise sectors

Policies & practices define level and quality of materiality (“professional” versus “procedural” versus “political” projects)



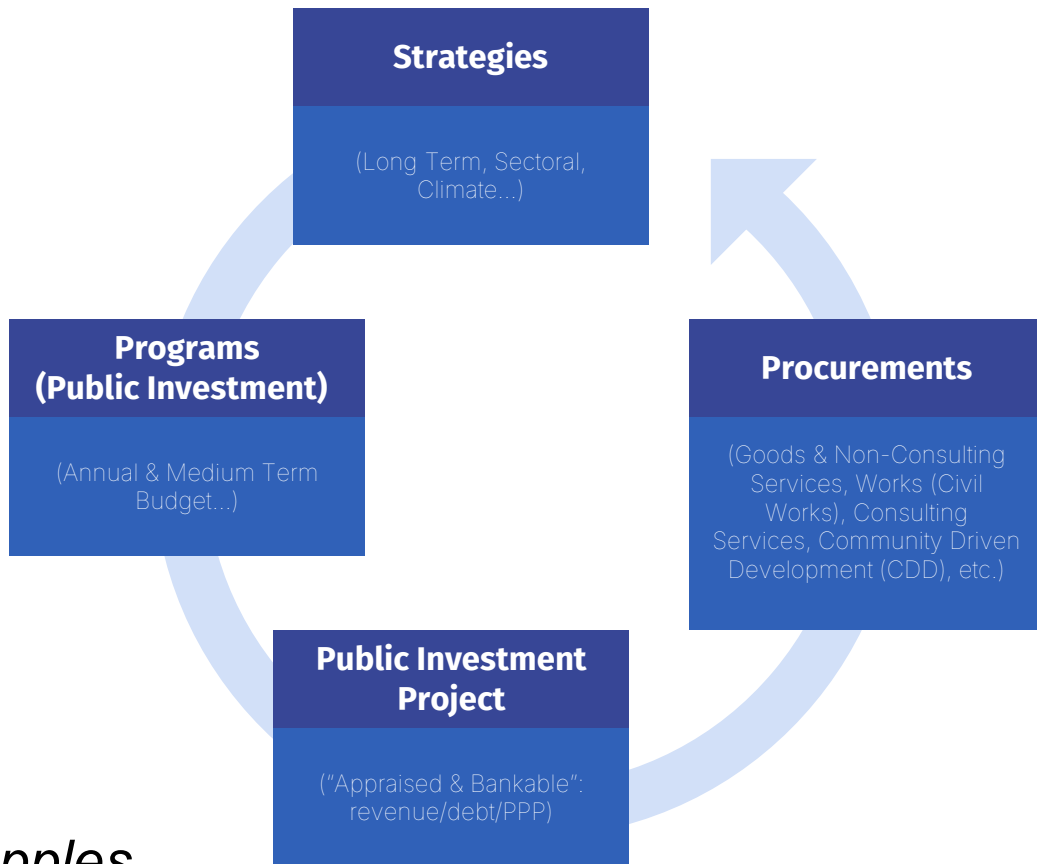
Public Investment Definitions*-P

PIM Policies



pim-pam.ai — open-source AI tools for public investment management

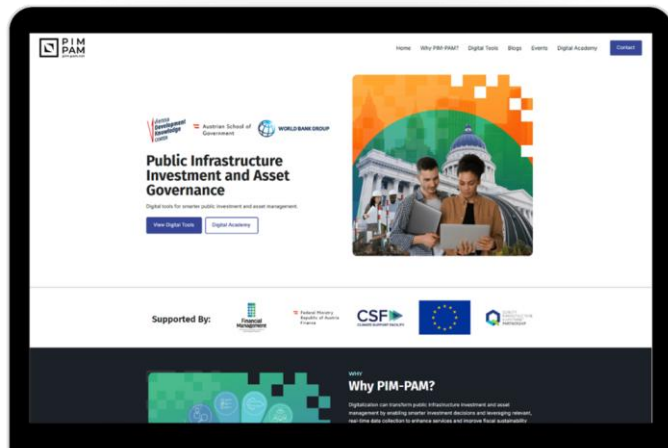
**Apples, Oranges, and Pineapples...*



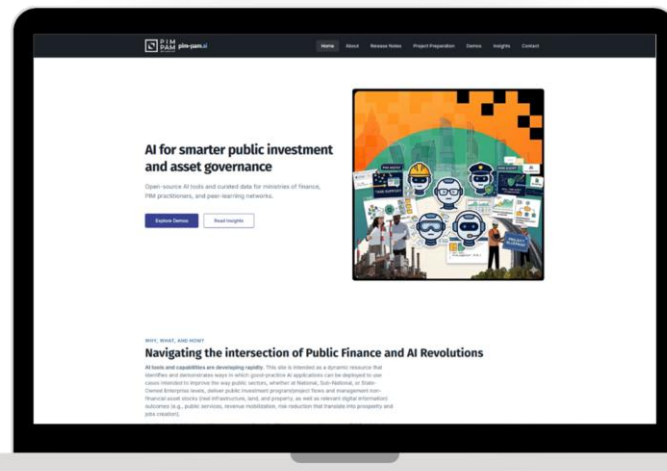


pim-pam.net → pim-pam.ai

PIM-PAM.NET



PIM-PAM.AI

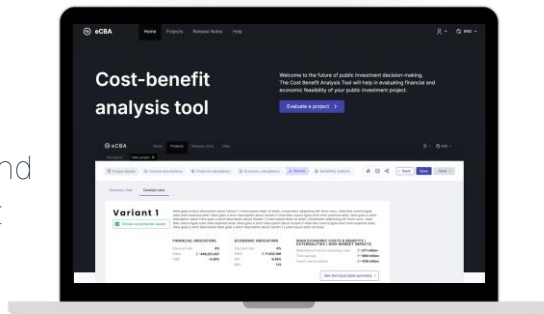




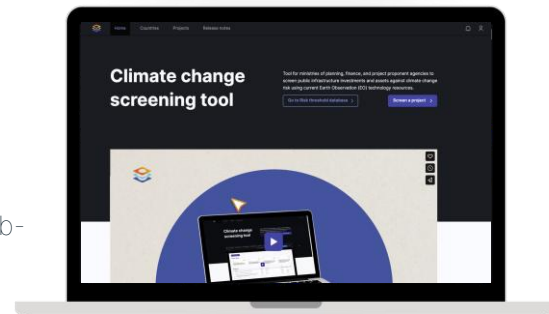
Geospatial Planning Tools - Live Country Demos



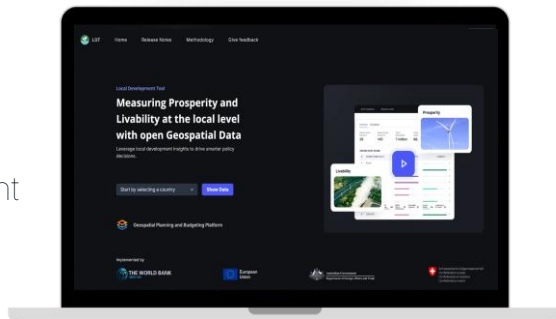
Project Readiness and
ePIM Cost Benefit
Analysis (CBA)



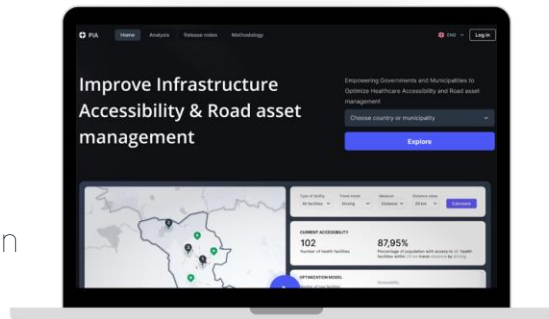
Climate Change
Screening (CCS)
for Projects, Assets, and Sub-
National Governments



Local Development
Tracker (LDT)



Public Infrastructure
Access (PIA)
Analytics & Optimization

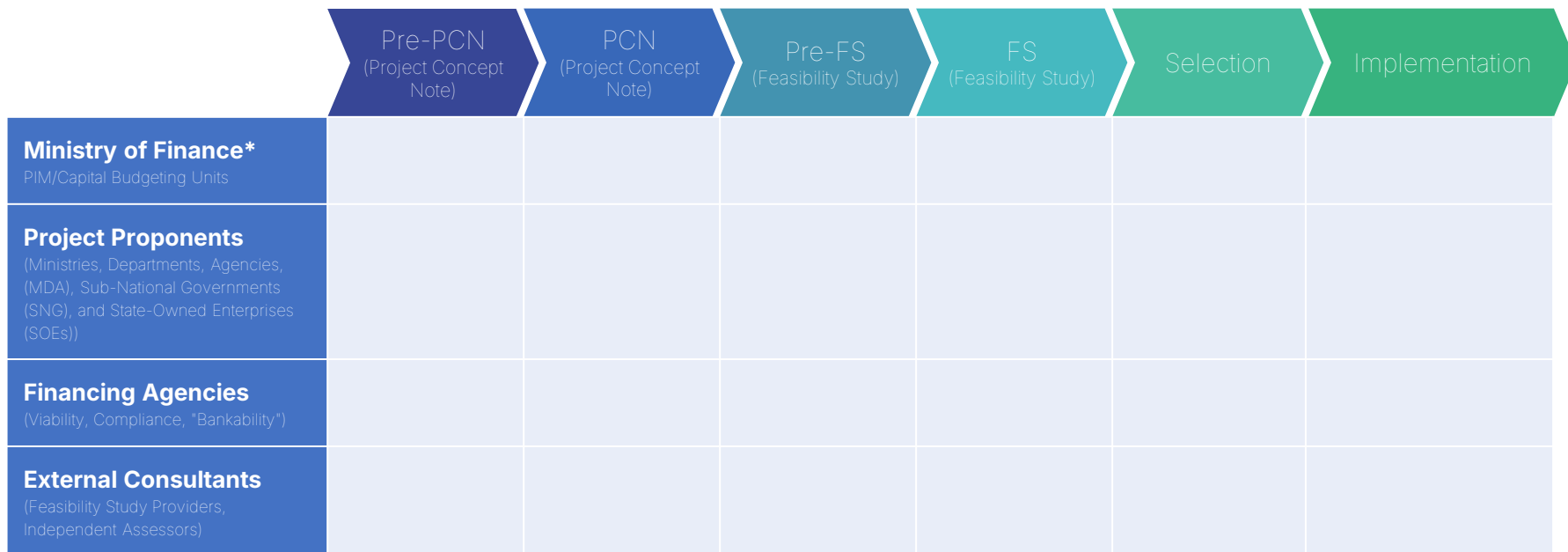




Project Preparation Business Processes and Participants

Objective: Projects that are ready for budget/financing that meet prescribed policy standards

Support: Digitalization and application of Artificial Intelligence (AI)



(*) Could also be Economy of Planning



PIM Project Pipeline Preparation Stage Context & Functions

Country PIM Policy Profile

PIM Project Readiness “Gates”
(Pre-Concept, Concept, pre-Feasibility, Feasibility, Approval-Budgeting)

Project Social Cost Benefit Analysis (SCBA)

Climate Change Screening (CCS): Adaptation & Mitigation?



[pim-pam.net](https://www.pim-pam.net) Country Policy Profile and AI Review



Investments Map Repository Coach Benchmark API About Release notes

Country Policy Profile Repository

A curated database of Public Investment Management policy and strategy documents across countries. Each record references up to one English and one native-language version of the source document.

🔄 Recheck links

📁 Batch upload

COUNTRIES

48

POLICY RECORDS

500

ENGLISH DOCS

379

NON-ENGLISH DOCS

382

🔍 Search documents, countries...

All countries

All Policy Tiers

All Strategy Types

+ Add Record

COUNTRY OVERVIEW 48

COUNTRY		POLICIES	WITH DOCS	WORKING LINK	NON-ENG ORIGINAL	IN ENGLISH	LATEST UPDATE
Albania	ALB	21	4	4	Yes	4	Aug 6, 2026
Angola	AGO	18	11	15	Yes	—	Jul 8, 2026
Armenia	ARM	10	3	3	Yes	3	Jul 8, 2026
Australia	AUS	14	—	6	No	—	Jul 8, 2026

<https://www.pim-pam.net/digital-tools>



Investments Map Repository Coach Benchmark API About Release notes

← All countries

Montenegro MNE

19 policies · 9 documents · 16 national · 3 supranational

Original-language documents: 1 in English 5 non-English

Download all English translations (3) Original-language (6) Everything (9)

Each option downloads a single .zip archive of the matching documents.

● National (16)

Tier 1 — Primary Legislation (7)

Law on Budget and Fiscal Responsibility

Zakon o budžetu i fiskalnoj odgovornosti

2014 · rev. 2023 PG-T1 · Assembly

Original link

English · 724 KB

Serbian · 132 KB

Law on Business Organisations (Companies Act)

Zakon o privrednim društvima

Original link

● One stop source for policy context

● PIM AI Coach benchmarks and helps apply



Project Readiness Gate & SCBA Application

 **PIM-PAM**
pim-pam.net

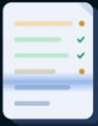
HomeProjectsAssessmentRelease NotesMethodology

PROJECT CONCEPT NOTES

Readiness gate

The screening step every Concept Note passes through before human review. Draft, evaluate against the quality criteria, and strengthen each note until it's ready.

[Watch the walkthrough](#) 3:16



HOW IT WORKS

Stronger submissions, before they reach a reviewer

 **Draft** 01

Fill out the structured Concept Note, section by section, in a single digital template.

 **Evaluate** 02

Each field is screened against configurable quality and conformity criteria as you write.

 **Strengthen** 03

Get clear, immediate feedback on what's missing or weak — and improve it before human review.

 **GET STARTED**

Ready to start a Concept Note?
Pick up an existing draft or begin a new one from the PCN template.

 **eCBA**

HomeProjectsRelease NotesMethodology

  EN

Cost-benefit analysis tool

Welcome to the future of public investment decision-making. The Cost Benefit Analysis Tool will help in evaluating financial and economic feasibility of your public investment project.

[Evaluate a project](#) >

 Geospatial Planning and Budgeting Platform

 **eCBA**

HomeProjectsRelease NotesHelp

  EN

All projectsNew project

Project details

Generate assumptions

Financial calculations

Economic calculations

Results

Sensitivity analysis

Back

Save

Next

Summary view

Detailed view

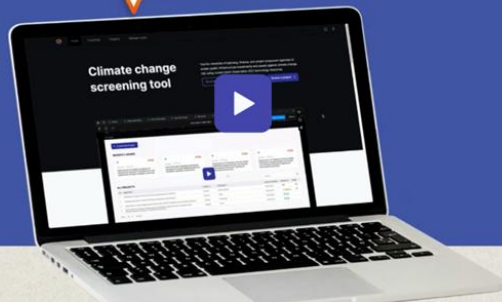


Climate Change Screening

[Home](#)[Countries](#)[Projects](#)[Release notes](#)

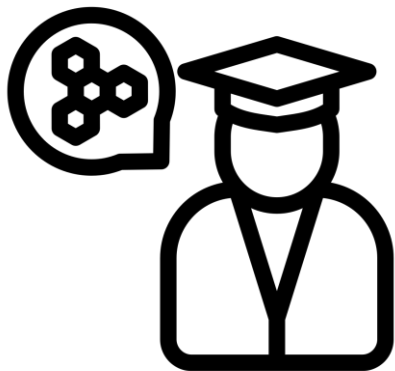
Climate change screening tool

Tool for ministries of planning, finance, and project proponent agencies to screen public infrastructure investments and assets against climate change risk using current Earth Observation (EO) technology resources.

[Go to Risk threshold database >](#)[Screen a project >](#)

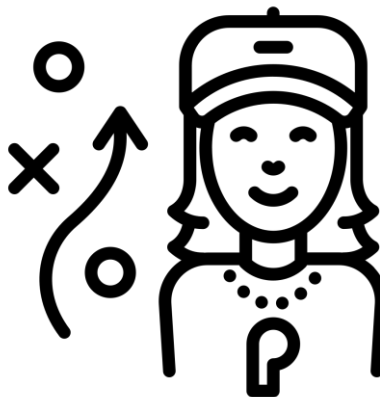


- Automation & Augmentation Returns on Investment (ROI)
 - Metrics by Functional Context (Nascent, Emerging, Frontier)
 - Time Horizons (Quick Wins, Medium to Longer Term Project PIM Cycle Results)
 - User-focus (Project Proponents or Reviewers) for People, Process, Technology Outcomes
- PIM Baseline Data Wrangling
 - Quick(er) Wins with Political Openings and Crisis-Opportunity (e.g. Rationalization)
 - Beyond “macro-fiscal” to “micro-data” diagnostics and decision support
 - Benchmarking Proxies (e.g., Global Reference Class Forecasting data)
- Native Language Applications
 - Beyond “Lost in Translation”



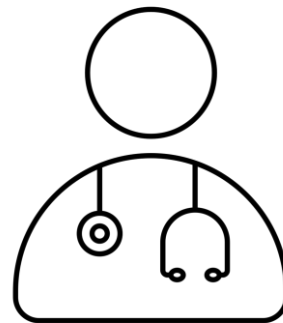
Professor

Distil global good practice and country experiences



Coach

Review the national rules and help in their application



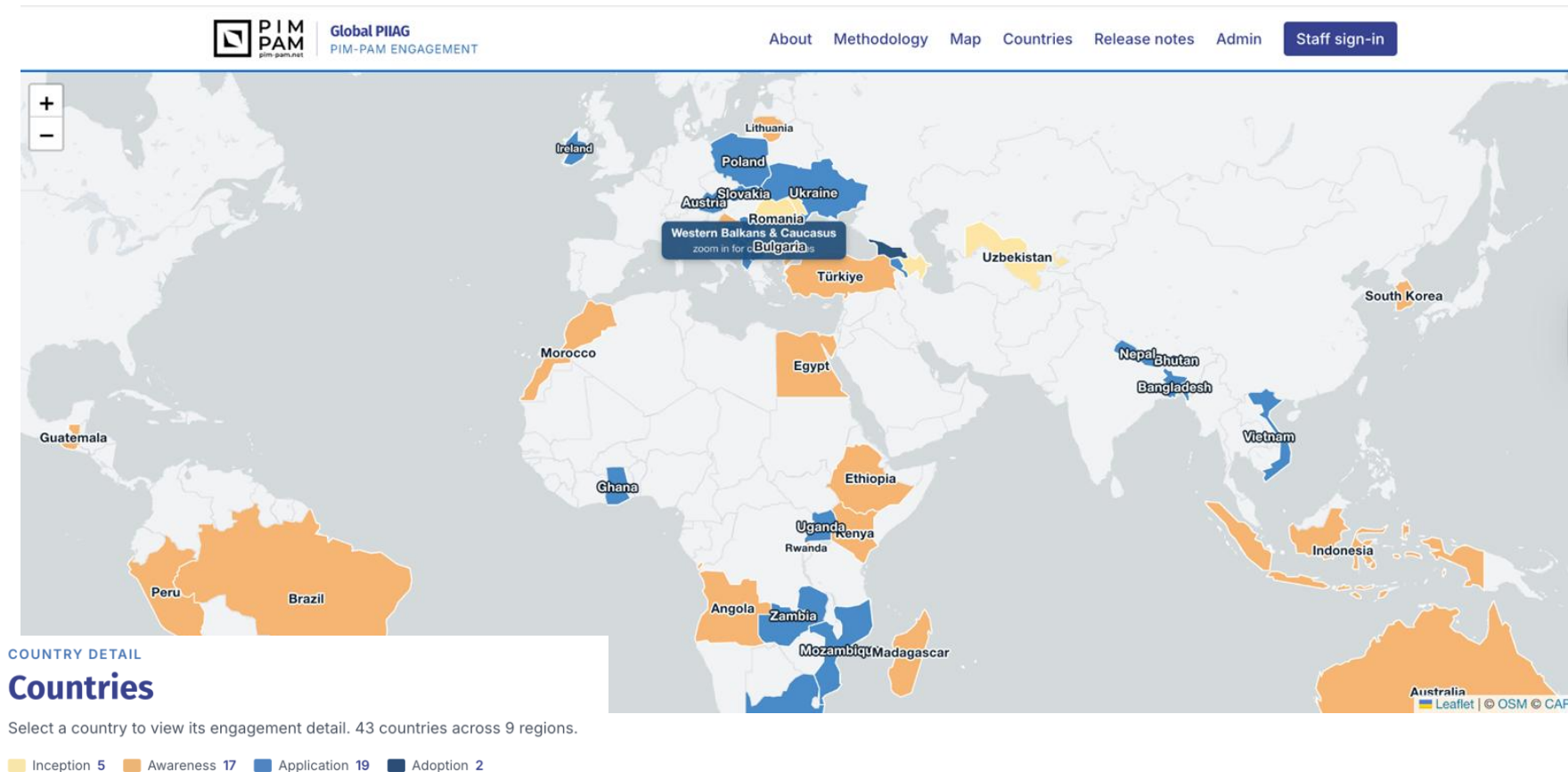
Doctor

Diagnose existing PIM projects portfolios and help make them healthier



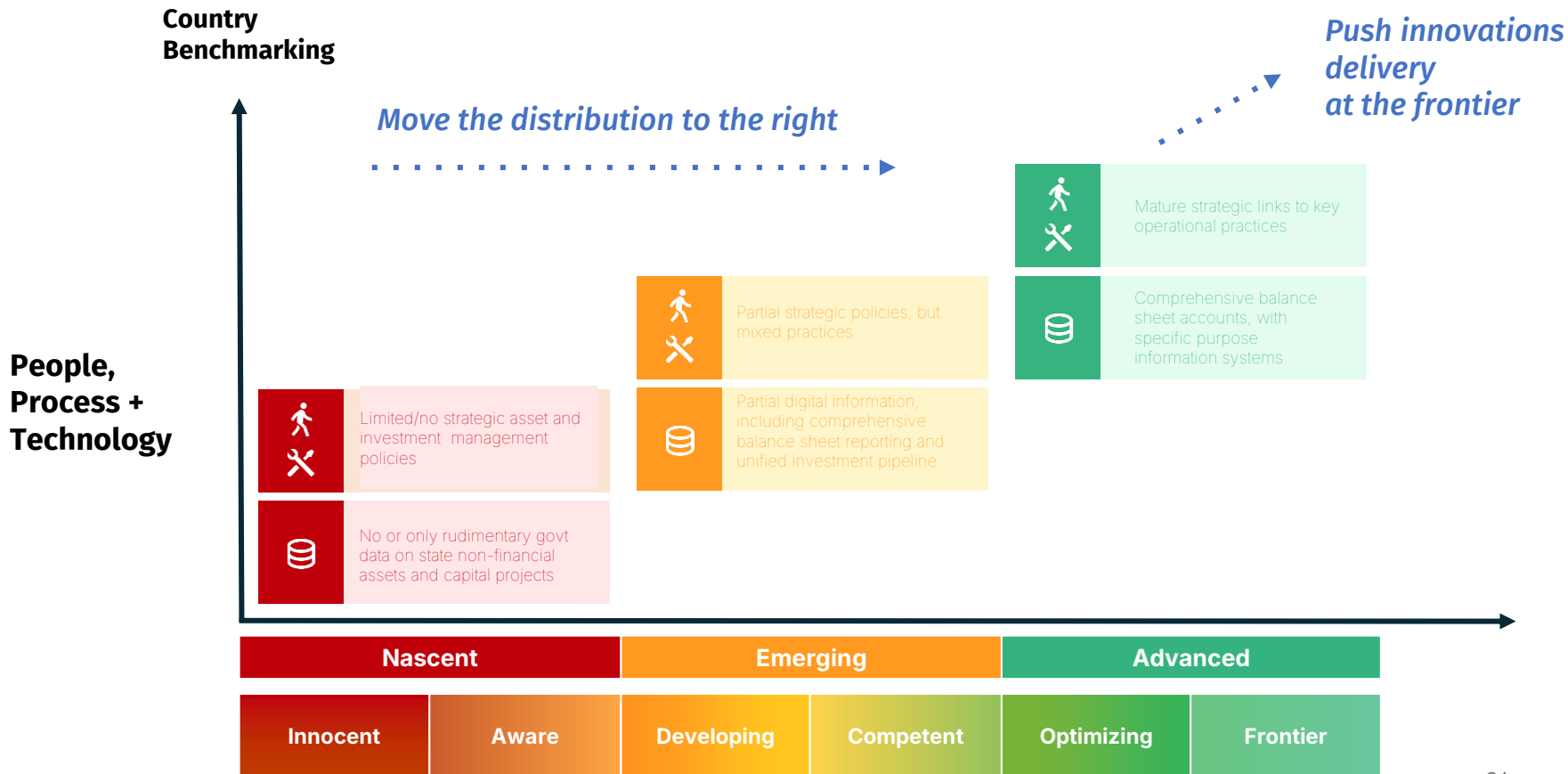
- Readiness: Country Ownership, Staffing/Skills, Digital Technology
- Policy & Business Process Readiness (including Rulebooks and Forms) -> pim-pam.ai
- PIM Towers of Babel, Language AI
 - English versus Large Language Models (LLM) “underserved” language applications
- Learning by Doing Acceleration & Complementarities + AI Assertiveness
- Public Sector Application to Adoption Readiness (“GovTech Readiness”)
 - Technology Stack (including fit for purpose Application Programming Interfaces (API) access)
 - Data Governance
 - Inertia and Vested Interests...

Scalable Solutions and Impact Across Focus Clients





Peer Learning & Capability Strengthening Engagement Framework



Q&A