



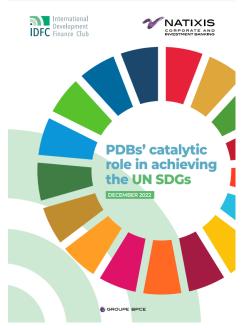


# PDBs' catalytic role in achieving the UN SDGs

# An open door to SDG operationalization

February 16th, 2023 01:00 PM (CET)





gsh.cib.natixis.com













## **IDFC Identity card**

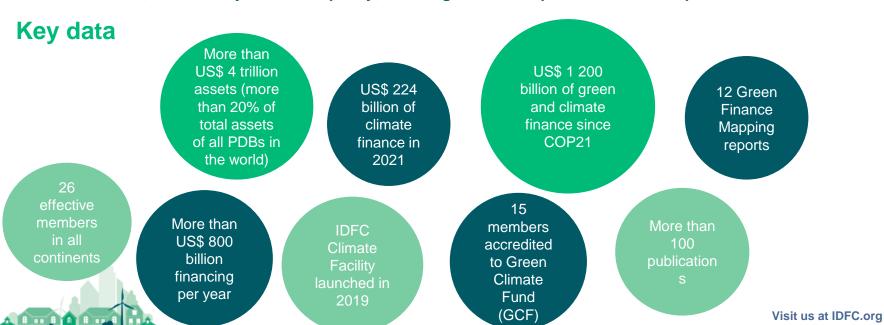
The IDFC members, a group of 26 leading national & regional development banks, are working together to **implement the SDGs & the Paris Agreement** and joining forces as a platform to promote & leverage Sustainable Development Investment worldwide.

## **Main objectives**

- → Knowledge sharing and capacity building on measuring and mainstreaming climate and SDG finance
- → Pursuing advocacy on the role of PDBs and the redirection and alignment of financial flows towards the SDGs and Paris Agreement
- → Increasing cooperation between members and easing access to project preparation and project financing

## 5 working groups

Climate Finance; Biodiversity; Gender equality; SDG alignment; Cooperation for development





## 26 members worldwide from developed and developing countries

#### **AFRICA**

#### Nigeria

Africa Finance Corporation (AFC)

#### Eastern & Southern Africa Region

The Eastern and Southern African Trade and Development Bank (TDB)

#### Morocco

Caisse de Dépôt et de Gestion (CDG)

#### **South Africa**

Development Bank of Southern Africa (DBSA)

#### **Western Africa Region**

Banque Ouest Africaine de Développement (BOAD)

#### **ASIA & MIDDLE EAST**

#### China

China Development Bank (CDB)

#### India

Small Industries Development Bank

of India (SIDBI)

#### Indonesia

PT Sarana Multi Infrastruktur (Persero) (PT SMI)

#### **Japan**

Japan International Cooperation Agency (JICA)

#### Saudi Arabia

Islamic Corporation for the Development of the Private Sector (ICD)

#### South Korea

The Korea Development Bank (KDB)



Banco de Inversion y Comercio Exterior S.A (BICE)

#### Brazı

Banco Nacional de Desenvolvimento Econômico e Social (BNDES)

#### **Central and Latin America Region**

Development Bank of Latin America (CAF)

#### **Central America Region**

Central American Bank for Economic Integration (BCIE/CABEI)

#### Colombia

Bancoldex S.A.

#### Mexico

Nacional Financiera (NAFIN)

#### Perú

Corporación Financiera de Desarrollo S.A. (COFIDE)

Black Sea Trade and Development Bank (BSTDB)

#### Croatia

Croatian Bank for Reconstruction and Development (HBOR)

#### France

Agence Française de Développement (AFD)

#### Germany

KfW Bankengruppe

#### Hungary

International Investment Bank (IIB)

#### Italia

Cassa depositi e prestiti (CDP)

#### Russia

Vnesheconombank (VEB)

#### **Turkey**

Industrial Development Bank of Turkey (TSKB)

## **About that advisory mission**

- +18 months of work
- +50 interviews: Public Development Banks, Investors, NGOs, Credit Rating Agencies, Data Provider, Impact Specialists, Sovereigns ...
- 2 days seminar to test tools in Paris
- · A global research across Europe, the Americas, Asia and the Middle East
- 5 contribution principles to move from impact taker to impact maker
- 5 tools developed to operationalize the concepts

## **Speakers today**



Béryl Bouteille IDFC Secretariat Head of IDFC Secretariat



Marie Garcin
IDFC Secretariat
Partnership Officer IDFC
Secretariat



Talal Alobayd

ICD

Development Finance
& Effectiveness



Derek Verrier

DBSA
Operations Evaluation
Specialist



Julie de Brux
Citizing Consulting
Founder & Socio-economic
impact studies practice leader



Patrick O'Connell

AllianceBernstein

Director, Fixed Income

Responsible Investing Research



Gratien Davasse
Natixis CIB
Green & Sustainable
Finance Expert



Cedric Merle
Natixis CIB
Head of the Center of expertise & Innovation



Fabien Cobat
Natixis CIB
Green & Sustainable
Finance Expert



Marion Joubert

AFD

Head of the Sustainable

Development Analysis Department



Fuad Huseynov

Asian Development Bank

Private Sector Operations

Department



Mariana Villanueva AXA Investment Managers ESG Analyst









## Part I

- Background & genesis of this work
- Overview of the advisory mission and study
- Presentation of some key concepts & tools

## Part II

Testimonies from various stakeholders

## **Part III**

Q&A session









## Part I

- Background & genesis of this work
- Overview of the advisory mission and study
- Presentation of some key concepts & tools:
  - Integration trackers
  - SAAU Framework
  - SART







## Phases and milestones of the mission

24 weeks 24 weeks

#### PHASE I: PREPARATION OF THE REPORT

- Content research
- Data collection
- Survey preparation, collection and analysis of the results
- Interviews with IDFC members and third parties
- Circulation internally
- · Integration of the IDFC members" feedback
- Presentation to the members in February 2022



#### PHASE II: OPERATIONALIZATION AND FINE-TUNING

- · Identification of case studies
- Preparation of 6 workshops with dedicated IDFC members to test the tools and concepts
- Presentation of the results during a two days seminar held by Natixis in Paris on September 19 & 20, 2022
- Experience-sharing with Mirova and the SDSN\* during the seminar
- Integration of the workshops' findings into the study





## FINAL REPORT & LAUNCH EVENT

Launch event with IDFC members active participation, Natixis teams and third parties willing to testimony.



Milestone

Delivery and presentation of

the draft version to IDFC

members

LEGEND



Further explore and test

developed concepts with

concrete projects from

IDFC members

Key deliverable





Release of the final report:

PDBs' catalytic role in achieving

the UN SDGs



White Paper

## Layout of the report

## **Executive** summary o

Foreword: why on earth another study and set of principles? @

### Introduction @

I. SDG alignment: behind the "catchword" a conceptual bedrock @

#### II. Pleasant and inconvenient truths@

A. Not a blank page: what IDFC members are doing well and could improve @

**B.** Pages written in white ink: hidden constraints @

### III. And then? operationalization & accountability ®

A. Entity-wide diagnosis and stating kit ®

**B.** Operational quidance @

## Case study: "Draw me an aligned PDB" @

Investors' appetite for SDG integration @

## Appendices ®

List of interviewees @ Bibliography



## What does it contain?



Review and analysis of the 2030 Agenda: definition, notion of alignment & Concept, contribution and ecosystem



State of art analysing the strengths and limits of existing approaches, initiatives & methods: Literature, survey, review of existing framework



Set of tools to maximise its contribution to the SDGs: SDG integration trackers; SAAU; SDG Taxonomy: SART



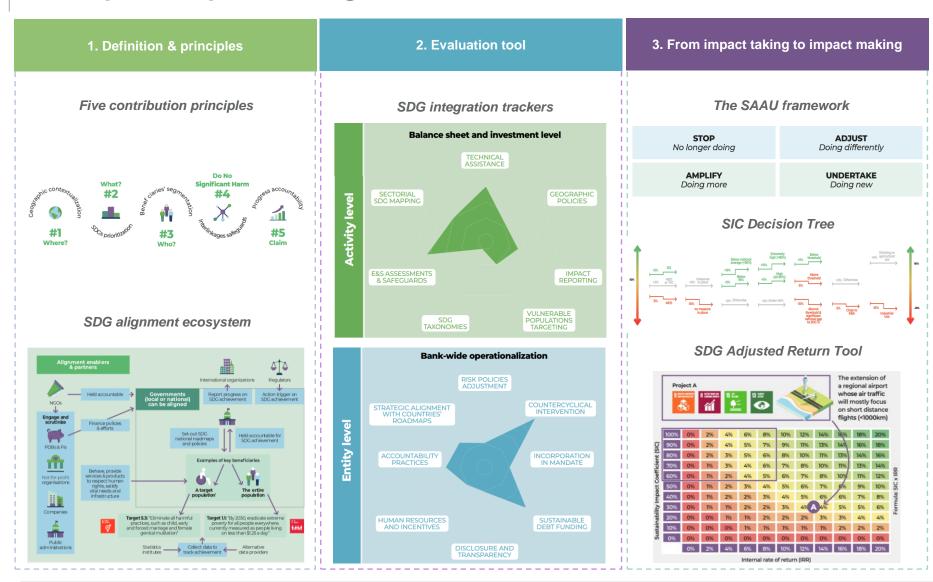
A "fictive" case study helping to understand how the recommendations can be put in motion: Example of the fictive Robinson Bank







## **Principles & operational guidance**











# The SDG integration trackers





**SDG TRACKERS** 

## The SDG integration trackers: first step, evaluate



Natixis has identified **fifteen SDG integration trackers** to support PDBs catalyzing changes in their organization.



"SDG integration trackers" are based on crucial items for PDBs to maximize their contribution to the 2030 Agenda at activity and entity levels.



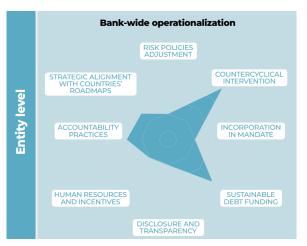
**IDFC members overall level** of advancement or maturity against those SDG trackers assessed (Fig.1).

IDFC members' SDG integration advancement is heterogeneous. Such heterogeneity reflects members' mandate specificities, size, scale, thematic and geographical constraints.



TARGETING

Figure 1: SDG integration trackers, IDFC members assessment









## Operationalization of the SDG integration trackers with DBSA



The Development Bank of Southern Africa (DBSA) & Natixis worked to transform the SDG integration trackers tool created during Phase I to make it suitable for any Public Development Bank willing to assess itself.

Table 1: Example of one SDG integration tracker in Phase I

Entity-wide SDG integration	0	1	2	3	4	5
1. Incorporation in mandates	2	2	2	2	2	2
assesses whether the fulfillment of SDGs and 2030 Agenda implementation are explicitly referred to in PDB's mandates.	· ·	f	f	r.	r.	· ·



- 1. Too much variability in the rating through IDFC members using the tool as well as among teams within a same PDB:
- Some SDG integration trackers needed to be defined more precisely to be easily understandable;
- The scoring system between 1 to 5 was not precisely defined and subject to interpretation.



The scoring system has been completed by some precise definition enabling PDBs to assess themselves more precisely (Fig.2);

The SDG integration trackers definition have been fine-tuned to better correspond to PDBs' reality.

Figure 2: Final SDG integration tracker – Activity Level







GREEN & SUSTAINABLE





## The SAAU framework



Talal Alobayd

ICD

Development Finance
& Effectiveness





Fabien Cobat Natixis CIB Green & Sustainable Finance Expert





SDG TRACKERS

SAAU

SART

# The SAAU ("Stop, Adjust, Amplify, Undertake") Framework Diagnosing and acting



To accommodate different situations and starting points, Natixis designed the Stop, Adjust, Amplify, Undertake (SAAU) Framework.



Regardless of PDBs' mandates, level of maturity or geographical area, the SAAU Framework is a **practical and simplistic canvas** that could be used by each PDB to further integrate SDGs into their activities



The four categories (Fig. 3) can be filled by PDBs to strengthen their ability to contribute to SDGs.

The results of the SDG integration tracker self-assessment exercise can help setting priorities, possibly by tackling the items with the lowest scores.

They could help design action plans, thus helping PDBs to become SDG alignment catalyzers.

Figure 3: the SAAU Framework

<b>STOP</b> No longer doing	<b>ADJUST</b> Doing differently
<b>AMPLIFY</b> Doing more	UNDERTAKE Doing new





SDG TRACKERS

SAAU

SART

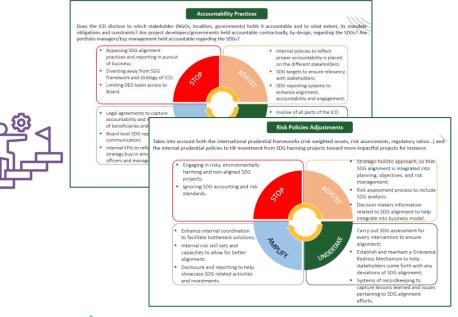
# LCD static Corporation for the Development of the Physics Society

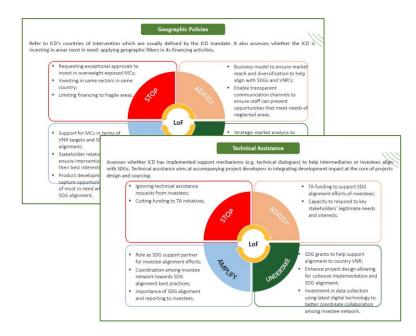
## Apply the SAAU Framework with the ICD



The Islamic Corporation for the Development of the Private Sector (ICD) first circulated the SDG integration trackers to 13 internal team members comprising of professionals from Director level to Mid-Managers and those from 3 years of service to over 15 years of service and from front office staff to back-office staff.

ICD analyzed the aggregated results and applied the SAAU to the two lowest scoring SDG trackers at the entity level and two at the activity level.





GREEN & SUSTAINABLE THUE



Apply the SAAU Framework to the lowest SDG integration trackers as a first step to build an action plan.











# The SDG Adjusted Return Tool (SART)









Gratien Davasse
Natixis CIB
Green & Sustainable
Finance Expert



SDG TRACKERS

SAAII

**SART** 

# The SDG Adjusted Return Tool: An adaptation of Natixis' GWF mechanism



In the context of the **IDFC advisory mission**, Natixis proposed to use an **SDG Adjusted Return Tool** (SART) as a **steering tool** for the PDBs that are willing to contribute to SDG alignment.



This conceptual instrument is designed to steer capital allocation in an active, strategic & systematic manner. It is inspired from Natixis' experience in developing its so-called "Green Weighting Factor".

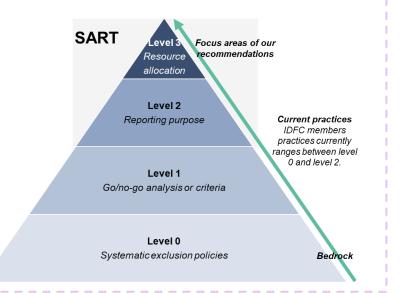


#### **KEY FACTOR SUCCESS**

- Use it as a "change management" tool to guide credit operations, incentivize employees, "lead internally and foster a sustainable development culture"
- Make its use systematic and/or mandatory











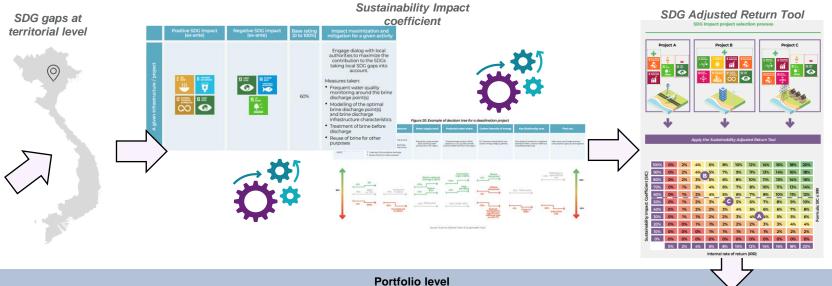


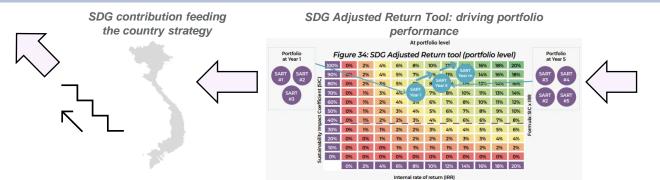
## Zoom on a multi-layered SDG alignment tool

The SDG Adjusted Return Tool (SART)



#### Project level





**DNSH** mitigation beyond the project scope at portfolio level (impacts fungibility)







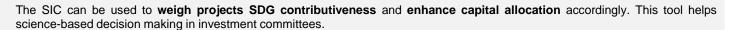


## **Zoom on the Sustainability Impact Coefficient (SIC)**

A taxonomy for dedicated project financing

The **sustainability impact coefficient** is based on internal taxonomies under the form of decision trees which can be used directly by front officers.

The coefficient provided by the decision tree rely on datapoints relevant from both environmental and social perspectives. It integrates local dataset analysis to identify where gaps are more acute and estimate projects' contribution to bridge SDG gaps.





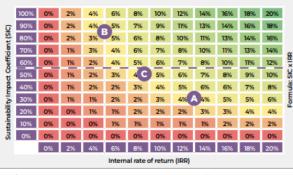
## The Sustainability Impact Coefficient (SIC)

Example on a desalination project

	Technology	Brine management measures	Water supply need	Projected water stress	Carbon intensity of energy	Key Biodiversity area	Final use	
	- Reverse Osmosis (RO) - Multiple Effect Distillation or Thermal Vapor Compression (MED or TVC) - Multistage Flash Distillation (MFD)	Any of the following: - Frequent water quality monitoring around the brine discharge point(s) - Modelling of the optimal brine discharge point(s) and brine discharge infrastructure characteristics - Treatment of brine before discharge - Reuse of brine for other purposes	Population using at least basic drinking water services (%) in the region:  • <90%  • <95%  • >95%	Projected water stress in 2040, based on a +2°C by 2100 climate scenario (SSP2 RCP4.5) in the region	EU Taxonomy threshold for low- carbon energy (100gCO <sub>2</sub> e/kWh)	If the facility is located in or adjacent (terrestrial <10km, marine <50km) to a Key Biodiversity Area	High-value use of water (human consumption, agricultural irrigation)	
×	+5% RO	+10% measures	low national trage (<90%) +10%  Below 95% +5%	Extremely (190 (-80%) +5% (40-80%) -5%	Above threshold +0%	+0%	Drinking or agricultural use	90%
	-5% MFI	no measure in place	therwise +0% U	nder 40% -10%	Abovve -5% hreshold & significant	Close to KBA	Industrial Use	-20%



Apply the Sustainability Adjusted Return Tool











## A territorial contribution to be steered and maximized at portfolio levels

Geographic contextualization and SDG prioritization



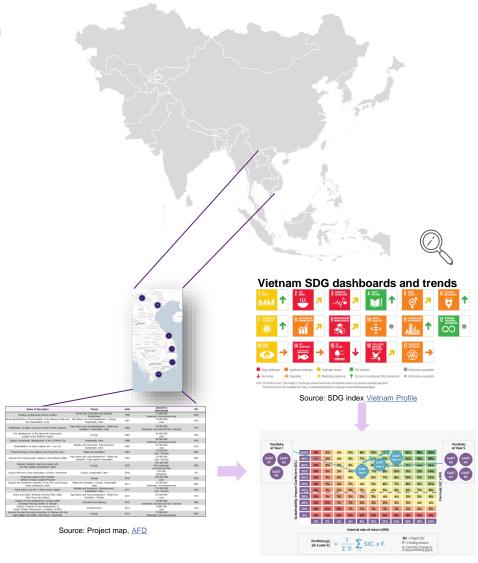
To foster geographic contextualization and SDG prioritization, the SART must be used to manage portfolio at regional, national and even sub-national levels.

By seeking the highest adjusted return at portfolio level, portfolio managers must adopt a coherent territorialized approach prioritizing most acute SDG gaps.

It allows to understand, drive and monitor contribution regionally.

A weighted average of Sustainability Impact Coefficients (SICs) and project's profitability can give a view of any portfolio's positioning in the matrix.

It allows the PDB to drive its SDG contribution and return objectives in a "one sight, see all" perspective.





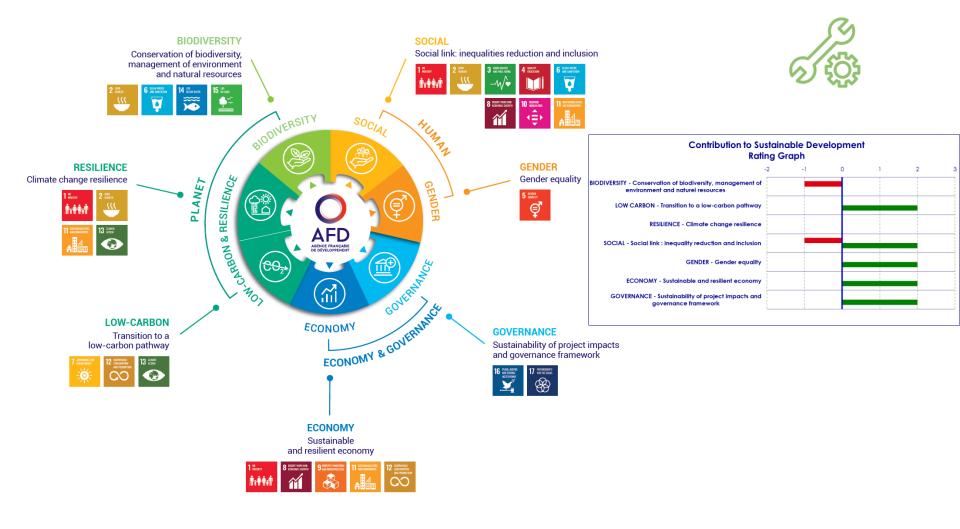








## AFD Sustainable Development Mechanism: an SDG alignment tool









**CONCEPTS & TOOLS** 



## **SART & SDM:** two complementary approaches



## **Similarities**

- Both concepts address the SDGs and their interlinkages: do no harm, maximization of positive impacts and interlinkages
- Enhance investment decision: both can be used during the project appraisal phase to drive investment decisions
- Change management tool

- Purpose: strategic allocation tool vs. screening tool
- Scope of analysis: detailed and dedicated taxonomy and assessment trees vs. more qualitative and expert-based tool adapted to all sectors and type of projects (infrastructure projects, grants, PBL).
- Reference for investment decision: portfolio as a reference vs. standalone analysis at project level
- Innovative vs. matured methodology





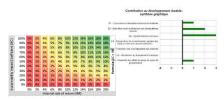






## SART, an inspiring tool for DFIs...

...to be considered according to DFI's own mandate & internal tools





## Tackles the limits or areas of improvement of AFD SDM

- > Harmonization of analysis (compared to a qualitative assessment)
- Improvement of the articulation between the qualitative impact assessment and quantitative analysis, based on project result indicators (vs separate accountability and follow up on results during execution)
- > Analysis at portfolio level to better inform country strategy, identification process and pipeline decisions (prioritization, complementarity of impacts of different transactions)



## **Inspiration from SART for potential evolutions**

- More precise assessment trees for some sectors and Sustainable Development dimensions (SDM grid)
- Deeper RETEX on impacts at portfolio level to optimize newly identified opportunities, relevant to close the SDGs gaps, at clearance in principle











## Part II

Testimony:



Fuad Huseynov, Asian Development Bank Private Sector Operations Department



Julie de Brux, Citizing Consulting Founder & Socioeconomic impact studies practice leader



Mariana Villanueva, AXA Investment Managers, ESG Analyst



Patrick O'Connell, AllianceBernstein, Director, Fixed Income Responsible Investing Research







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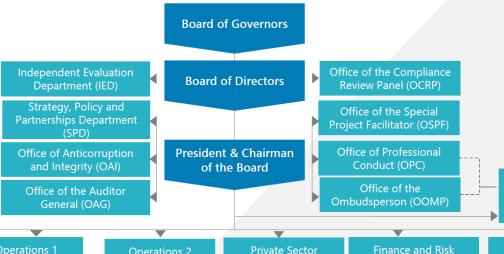
Patrick O'Connell, AllianceBernstein, Director, Fixed Income Responsible Investing Research







## **Functional Organizational Chart**



Knowledge Management and Sustainable

VP B. Susantono

- Economic Research and Regional Cooperation Department (ERCD)
- Sustainable Development and Climate Change Department (SDCC)

**Operations 1** 

VP S. Chen

- Central and West Asia Department (CWRD)
- South Asia Department (SARD)

Operations 2

VP A. Saeed

- East Asia Department (EARD)
- Pacific Department (PARD)
- Southeast Asia Department (SERD)

**Private Sector** Operations Department (PSOD)

Operations & Public

Private Partnerships

VP A. Lavasa

Office of Public-Private Partnership (OPPP)

Finance and Risk

VP I. Van Wees

- Controller's Department (CTL) Treasury Department (TD)
- Office of Risk Management (ORM)

Administration & Corporate Management

**Managing Director** 

General

W. Um

VP B. Gosper

Asian **Development Bank** Institute (ADBI) Dean T. Sonobe

Department of

(DOC)

Communications

· Budget, Personnel and Management Systems Department

(BPMSD) · Procurement, Portfolio, and Financial Management Department (PPFD)

- Corporate Services Department
- Office of the General Counsel (OGC)
- Information Technology Department (IRD)
- Office of the Secretary (SEC)



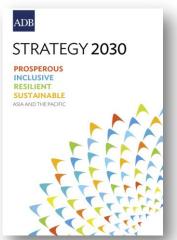








## Why is an Ex-ante Framework needed in PSOD?





- Strategy 2030 private sector operations will reach one-third of operations in number with **development impact** as the key objective
- Projects will increasingly be higher risk, experimental, innovative, and strongly developmental
- Need for further enhancement of ex-post evaluation success rates for development results & additionality
- The Operational Plan for Private Sector Operations proposes a portfolio approach to development impact, risk, and financial returns



- pursue development impact as the key objective of private sector operations
- ensure profitability and commercial sustainability
- · expand and diversify in new and frontier markets



- strengthen collaboration with multilateral. bilateral, and private sector partners
- · seek finance from commercial and
- · use public-private partnerships, improve the business environment in DMCs, and enhance DMCs' domestic resource mobilization







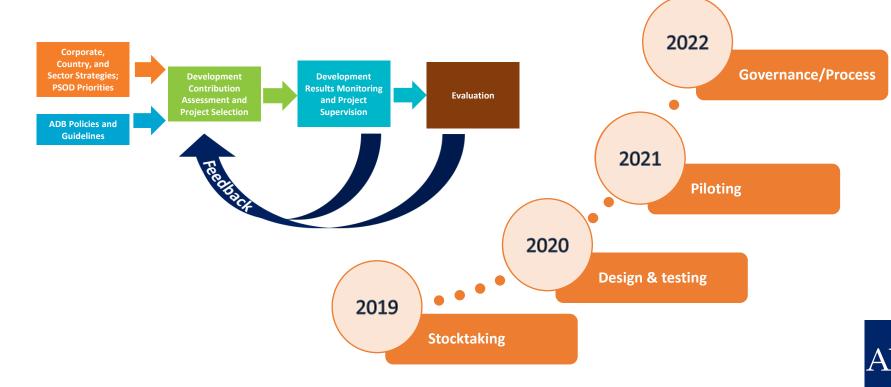
**Full integration** 



## What is an Ex-ante Framework?

 A tool that allows ADB to define and measure aspects that affect the success of projects across various dimensions.

• It is the front end of PSOD's end-to-end system







Private Sector Operations Department

2023

**Market Development** 

# PSOD's Ex-Ante Framework Schematic











# The Portfolio Approach Tool

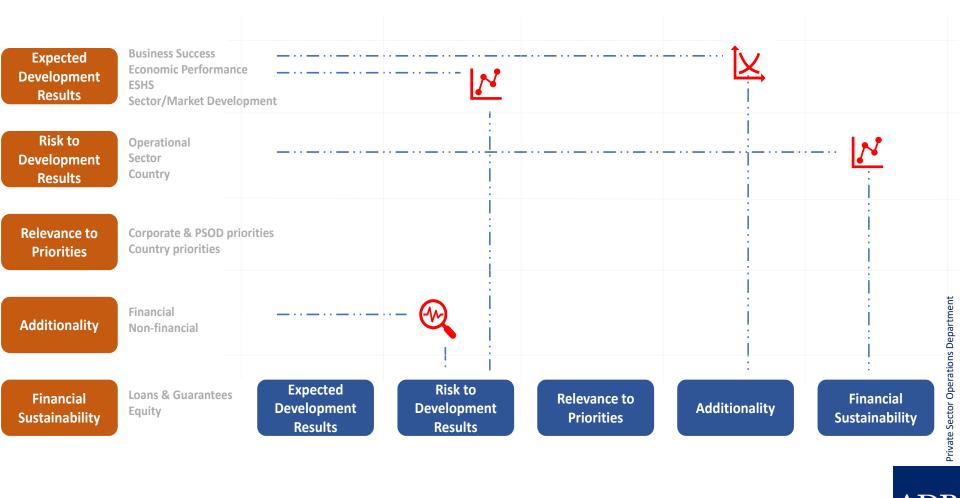
- Objective is to provide the decision-makers in PSOD and at ADB with a tool to assess how ADB's proposed investment aligns with strategic goals of PSOD/ADB and how it fits with annual delivery targets.
- The Tool allows us to place a specific new transaction within the context of strategic targets at the time of commitment and consistently track portfolio performance and guide future decision-making.
- It also provides data to conduct deeper analysis and generate insights across various important dimensions.







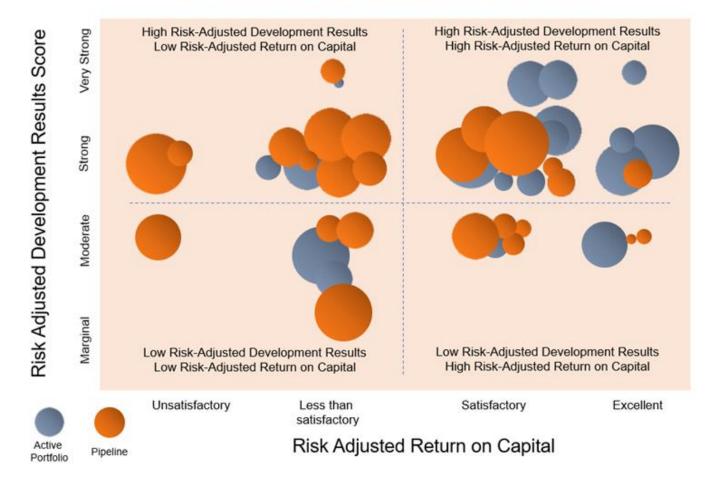
# Real Time Portfolio Analysis 1





# Real Time Portfolio Analysis 2

## Portfolio Simulation: Active Portfolio and Pipeline Assessment







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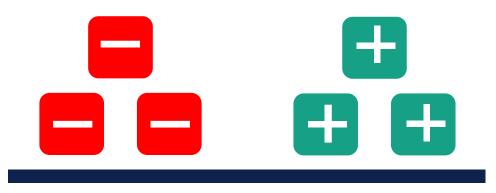


Natixis Webinar: PDB's catalytic role in achieving the UN SDGs

Julie de Brux, PhD February 2023

## Socio-economic-environmental evaluations

A decision-making tool to help allocate public investments towards impactful projects



### **Negative impacts:**

- Investment
- Operating costs, etc.



## **Positive impacts:**

- Increased life expectancy
- Avoided tons of CO2
- Time savings, etc.

#### What do we call impact?

- Positive and negative impacts
- Economic, social, environmental
- For all stakeholders
- In the short, mediumand long-term

#### Two main characteristics of the method

- Don't compare apple and oranges => impacts are transformed into a monetary unit
- Postitive and negative impacts arising from the project are compared to the costs and benefits of **not** carrying out the project (counterfactual analysis)









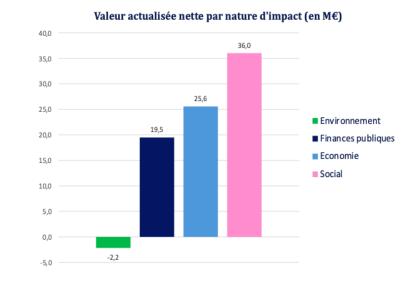
## Socio-economic-environmental evaluations

A decision-making tool to help allocate public investments towards impactful projects

Main metrics...

Metrics	Value		
Socio-economic Net Present Value (NPV)			
= Positive impacts – Negative impacts, discounted	+80 M€		
Socio-economic Return on Investment (ROI)			
= Discounted positive impacts / discounted negative impacts	1,9		

## ... with the possibility to disaggregate the indicators













## Our offerings on evaluation, on the life-cycle of projects

Monitor your projects with the impact compass



Socio-economicenvironnemental evaluation

A decision-making tool, enabling to estimate the R.O.I. of public & private funds invested in terms of social, economic and environmental impacts



**Impact** measurement

An approach that allows to follow the results and impacts of public and private activities. This evaluation is carried out on an ongoing basis.



Socio-economicenvironnemental evaluation

Same as expertise #1, but the R.O.I. is calculated with real data (vs assumptions)



## **Social impact bonds**

A recent method of financing social/envir. innovation: project owners are prefinanced thanks to private investors. Investors are paid-back by the State if social and environmental impacts occur









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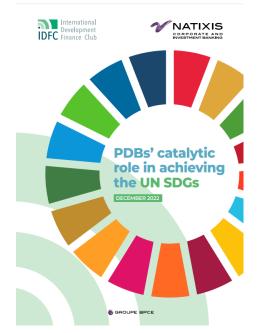
Patrick O'Connell, AllianceBernstein, Director, Fixed Income Responsible Investing Research





# Thank you!

Download the full report



For any questions on the report or its presentation, please contact the dedicated team:

idfc.privatecoei@natixis.com











#### **DISCLAIMER**

Natixis provides this study on development finance alignment with the Sustainable Development Goals (SDGs), authored by its Green & Sustainable Hub. It is the final written output of an advisory mission performed by Natixis on behalf of the International Development Finance Club (IDFC) from September 2021 to October 2022. Natixis was appointed by IDFC to develop a SDGs alignment framework for public development banks. For this advisory mission, Natixis was commissioned to provide an independent opinion on the sustainability credentials. This study aggregates (i) the findings of exchanges and workshops with IDFC members, (ii) interviews with stakeholders (list in Appendices), (iii) an investor survey, (iv) a literature review on SDG advancement, as well as (v) a stocktaking of current practices. It has been produced for the intention of IDFC and its members, the Public Development Banks (PDBs). Nevertheless, the concepts and tools developed in this study may be of interest for inspire other institutions (notably national officials, development planers, consultancy firms, impact assessment specialists, institutional investors or credit rating agencies (CRAs)).

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