



**ASOCIACIONES PÚBLICO PRIVADAS  
Impulsando la infraestructura  
sostenible**



# Jane Jamieson

Banco Mundial



## **Jane Jamieson**

Jane ocupa el cargo de directora de programas en dos fondos fiduciarios administrados por el Banco Mundial, enfocados en infraestructura: el Fondo de Asesoramiento en Infraestructura Público-Privada (PPIAF) y la Asociación de Inversión en Infraestructura de Calidad (QII). Con nacionalidad británica, la Sra. Jamieson aporta más de dos décadas de experiencia técnica y gerencial en la ejecución de proyectos y programas de infraestructura en naciones en desarrollo. Tiene experiencia en Asociaciones Público-Privadas (APP), conocimientos técnicos en proyectos de agua y una amplia comprensión de políticas y prácticas de desarrollo internacional, adquirida durante la realización de trabajos en Asia, América del Sur y África.

Ingresó al Grupo del Banco Mundial en el año 2010, al Servicio de Asesoría para APPs del IFC, liderando transacciones y el desarrollo de negocios, principalmente en el sector del agua en África. Previamente, trabajó en el Departamento para el Desarrollo Internacional del Reino Unido (DFID, ahora FCDO), donde supervisó políticas y programas para respaldar la participación del sector privado en infraestructura. Además, actuó como asesora de infraestructura para diversos países de interés del DFID en programas desarrollados en Asia Central, China y Guyana. La Sra. Jamieson posee una maestría en ingeniería de la Universidad de Southampton, Reino Unido, y de la École Nationale du Génie et de l'Eau et de l'Environnement de Strasbourg, Francia.

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**PPIAF**  
Enabling Infrastructure Investment

# **“ASOCIACIONES PÚBLICO PRIVADAS IMPULSANDO LA INFRAESTRUCTURA SOSTENIBLE”**

Jane Jamieson – Gerente de Programas



# Public Private Infrastructure Advisory Facility

The only global facility dedicated to

Strengthening policy, regulations, and institutions that enable sustainable infrastructure with private sector participation

- 500+ institutions strengthened
- 24,000+ government officials trained
- 200 policies, laws and regulations adopted
- Help subnational entities raise almost \$1.6 billion without sovereign guarantees
- Catalyzed 220+ projects with a total value of \$28 billion



# Snapshot of PPIAF's Technical Assistance in Peru



**27**

Activities

**5.1 USD million**

in total technical assistance support



## Transport sector

- Lima municipality gained access over \$190 million in commercial financing, enabling major transport projects.
- Creation of the Lima Transport Authority.

## Energy sector

- Law promoting private participation in rural electrification.
- Power sector reform to improve the environment for renewable energy and storage companies, facilitating their entrance and expansion in the sector.

## Water sector

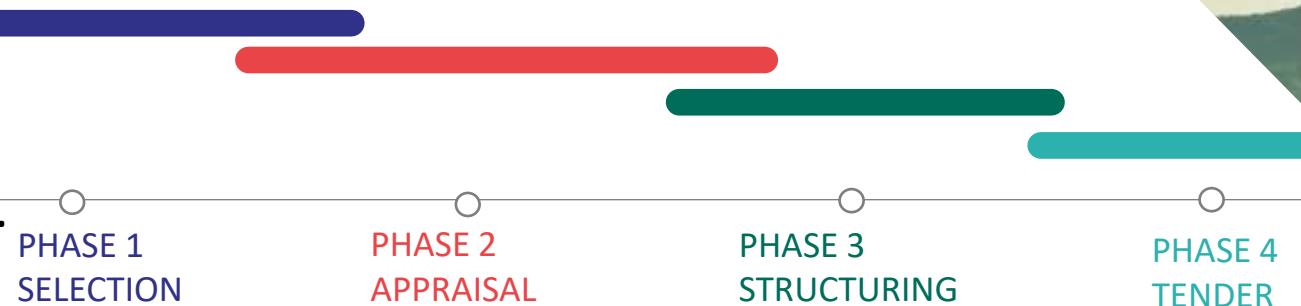
- Tariff-setting reform work
- Enhancing capacity of water utilities

# CLIMATE TOOLKITS

from high-level to sector-specific guidance

## UMBRELLA TOOLKIT

Oriented to support PPP units with varying capacities to incorporate climate actions throughout the process of **selecting, preparing, appraising and tendering** a new infrastructure project. The provided guidance is **sector-agnostic**.



## SECTOR TOOLKITS

ROADS

ICT

WIND &  
SOLAR

WATER

HYDRO  
POWER

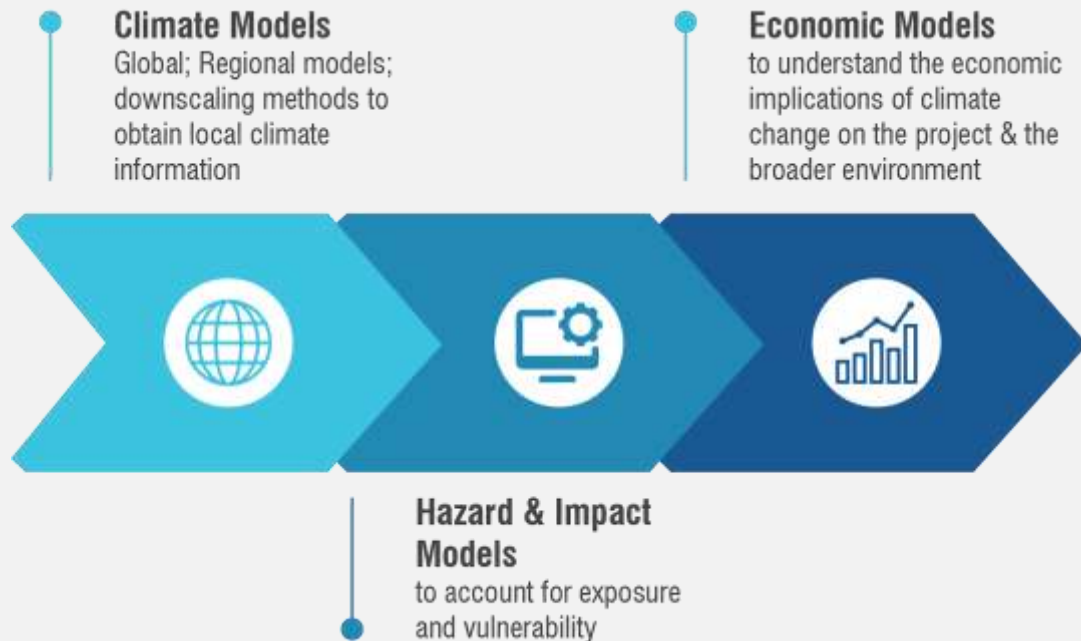
Oriented to assist **preliminary investment decisions** emphasizing the specific needs and challenges of **5 infrastructure sectors**.



# PHASE 1: PROJECT SELECTION

## AREAS OF GUIDANCE

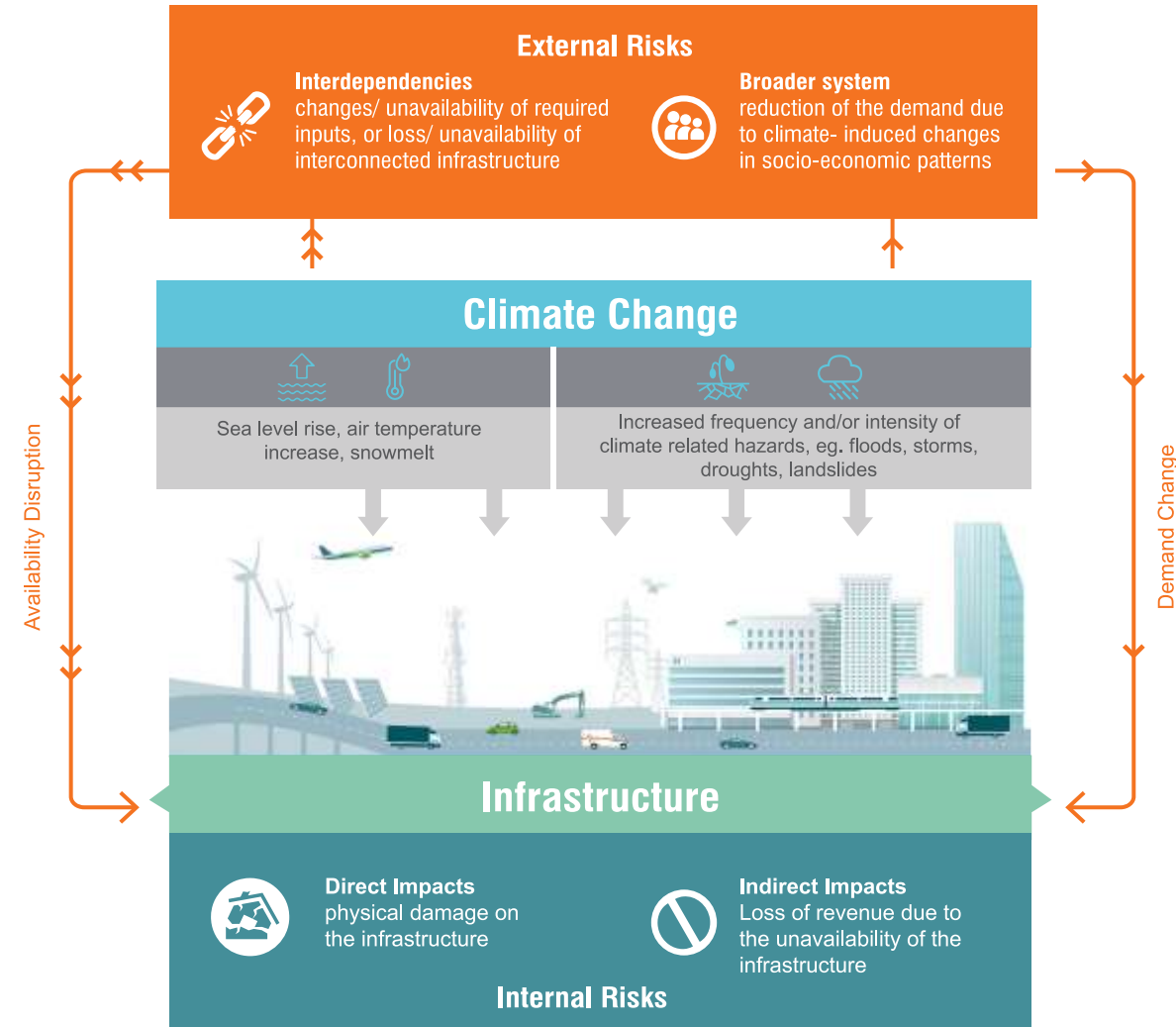
- Translating Paris Agreement NDC commitments into pipelines of investments
- Understanding the impacts of climate on the project



Climate Risks: Internal + External

○ Direct  
○ Indirect

○ Interdependencies  
○ Broader system





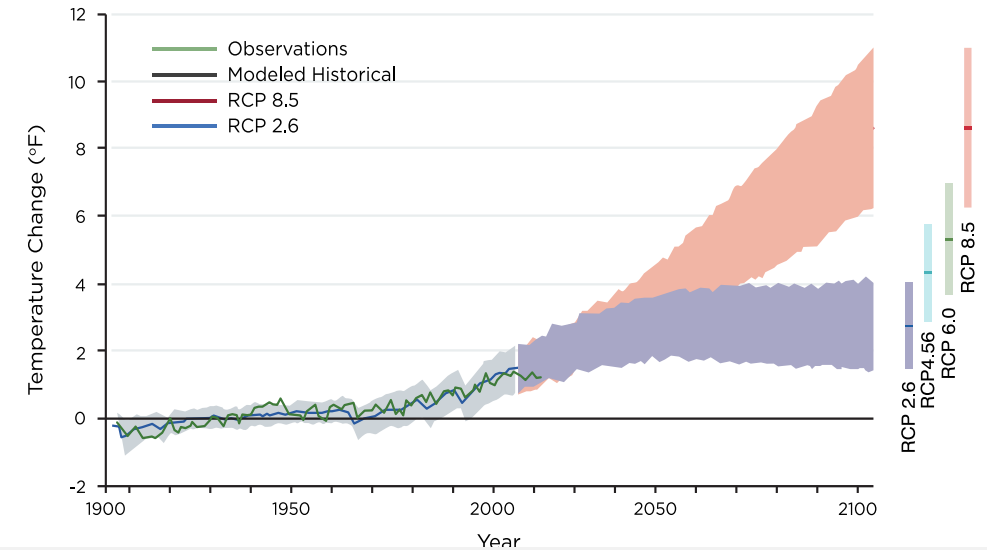
# PHASE 2: PROJECT APPRAISAL

## AREAS OF GUIDANCE

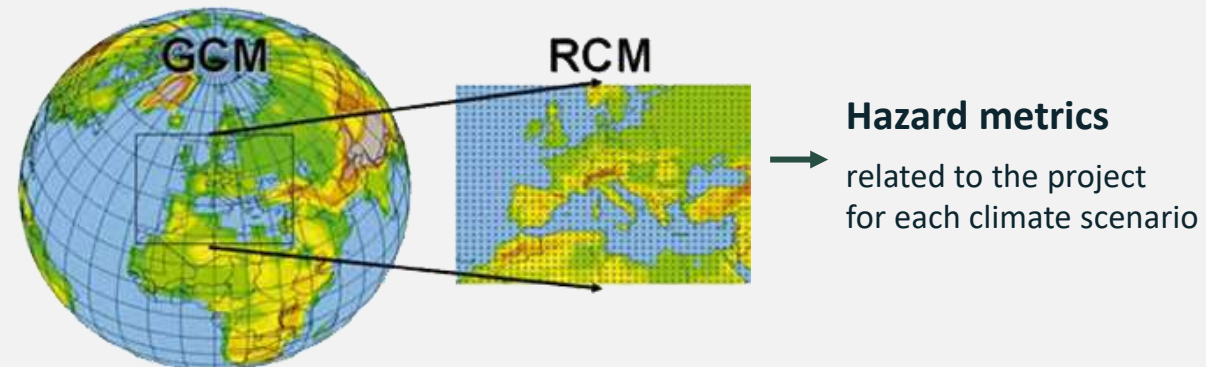
- Understanding climate hazard projections, uncertainties, climate externalities and designing measures
- Assess **future climate hazards** using global and regional climate models
- Designing climate (adaptation + resilience+ mitigation) measures to account for climate variability
- **Technical Performance** is assessed over a range of plausible scenarios
- The selection of the **preferred adaptation strategy** is both a technical and a financial decision

## Climate Scenarios

### Global projections - RCP scenarios



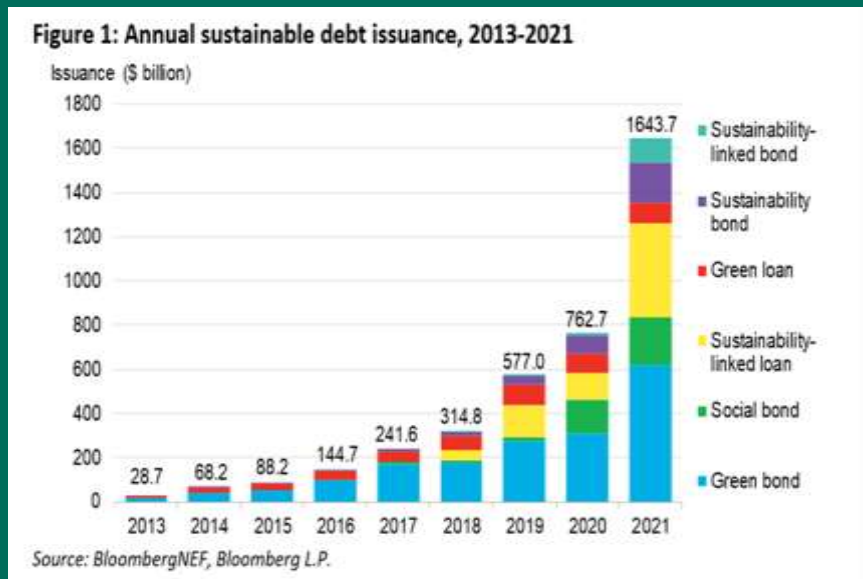
### Regional/Local projections



# PHASE 3: PROJECT STRUCTURE

## AREAS OF GUIDANCE

- Including climate KPIs, Targets in project documentation and tapping into climate/sustainable finance
- Introducing climate-smart output indicators (KPIs) to be included in reporting and enhance the ability to tap into climate and sustainable finance a rapidly growing market



## Introducing Standards & Taxonomies

### Design standards for increased climate resilience (including environmental and social safeguards)

- Each country will have **specific engineering, construction and built environment standards**, codes or rating systems focused on climate and disaster risk mitigation.
- Standards may vary regionally within countries.
- Many of these standards are often based on historical trends rather than future scenarios

### Task Force on Climate Related Disclosures (TCFD) - Framework

#### GOVERNANCE

Disclose the organization's governance around climate-related risks and opportunities.

#### STRATEGY

Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning

#### RISK MANAGEMENT

Disclose how the organization identifies, assesses, and manages climate-related risks.

#### METRICS & TARGETS

Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities.

### Climate taxonomies & Rating Systems

**EDGE** developed by IFC: evaluates location-specific, climate-related risks for a real estate project or portfolio

**SuRE** developed by GIB Natixis and Iseal Alliance: integrates climate/environmental requirements for infrastructure projects

**Envision/FAST label:** Third-party rating system; identifies requirements of sustainable infrastructure; incentivizes higher performance beyond minimum requirements.

# PHASE 4 TENDER PROCESS

## AREAS OF GUIDANCE

- **Tender package documentation** relevant to the climate aspects of the project.
- **Qualification/evaluation** criteria to incentivize the integration of innovation and green/sustainable practices
- **Evaluation of bidders** promoting climate resilient/sustainable practices. Alternatives to the least cost approach.

## KEY QUESTIONS

- ① How can the qualification/evaluation criteria incentivize the integration of innovation and green/sustainable practices during the project development?
- ① What is to be included in an RFP package to properly cover the climate aspects of the project?
- ① What are the alternatives to the least cost approach? Are there ways to promote resilient infrastructure providers?

# Climate Adaptation & Biodiversity Program

**Objective:** To address barriers holding back greater private sector finance for climate adaptation infrastructure and biodiversity-positive infrastructure

## Component 1: Financing adaptation and biodiversity analytics

Analysis of business models, opportunities and barriers to scale resulting in:

- Key policy/regulatory reform priorities
- Potential business models to test further by sector (water, urban, etc.)
- Pipeline of high potential projects for PPIAF and partners to engage

## Component 2: Country technical assistance

- Support the development of replicable demonstration to scale up adaptation and biodiversity-positive infrastructure
- Expected advisory support of \$1.85M over the four-year strategy period (3-4 per year)

# West Africa Coastal Areas Ports

- Public-private pooled dredging fund financed by port operators /authorities and other stakeholders to operate a combined dredging and beach nourishment scheme for coastal resilience
- Building a pipeline of biodiversity positive and adaptation investments under a regional sustainable ports partnership that is suitable for private sector engagement



# Thank you

**Impulsando la infraestructura sostenible - Asociaciones Público Privadas**