

# From Plans to Bankable Projects: Success Stories and Solutions

World Economic Forum Network to Mobilize Clean Energy  
Investment in EMDEs

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# Network to Mobilize Clean Energy Investment in EMDEs



## Objectives

- 1 Quantify and raise awareness about the amount of financing needed to accelerate their energy transition and elevate key shared challenges to overcome
- 2 Exchange best practices and lessons learned around policy- and non-policy solutions to increase clean energy finance
- 3 Increase dialogue with the aim to develop practical solutions and accelerate concrete clean energy project financing





# The Playbook of Solutions



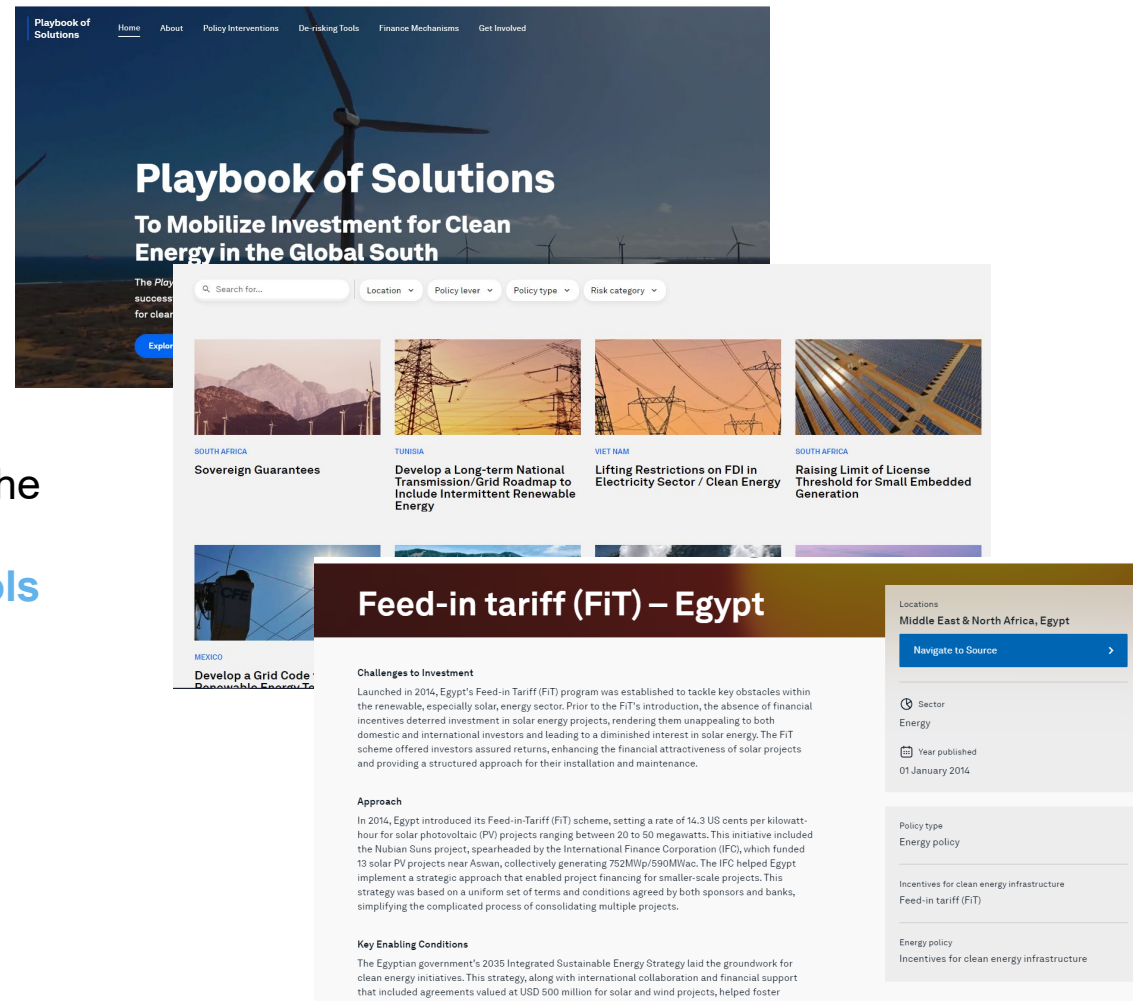
- The Playbook of Solutions, references **100 good practices** from the **Global South** on successful enablers to de-risk, and increase finance for clean energy in emerging and developing markets.



- While focused uniquely on clean energy projects, the solutions will engage multiple corners of the energy system across **policy interventions, de-risking tools and finance mechanisms**.



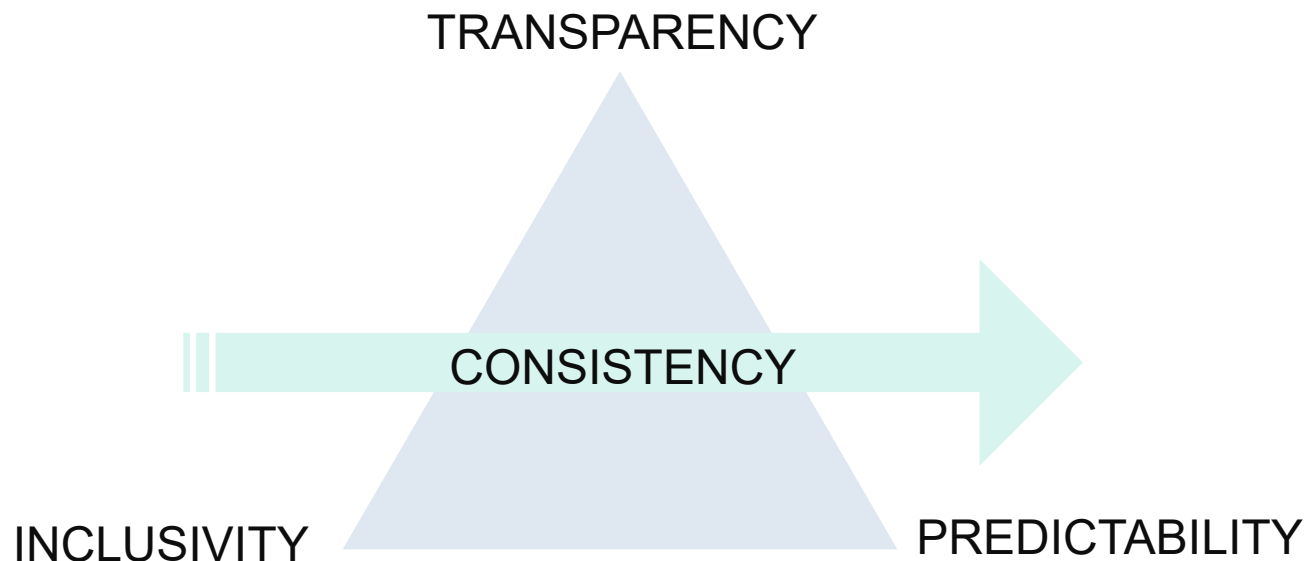
- It aims to **support** private financiers, DFIs, energy developers and governments in their **decision-making and structuring** of clean energy projects.



## Launch of Playbook of Solutions

In October 2024, during the Clean Energy Ministerial and G20 Energy Ministerial Meeting in Foz do Iguacu, Brazil.

# Energy planning - Why does it matter?



Impact on attractiveness to private sector

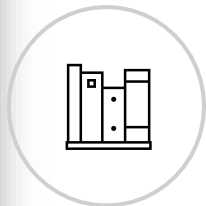
- Lowers risks
- Enhances investors' confidence
- Improves projects viability
- Supports informed decision-making

# Egypt: the Power of Country Platforms



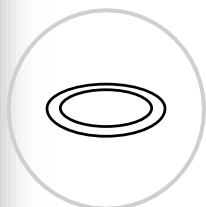
## CLEAR LONG-TERM GOALS

- 2016: Sustainable Development Strategy - Egypt Vision 2030
- Integrated & Sustainable Energy Strategy for 2035
- Targets were detailed by technology and consolidated with the country's climate roadmap
- 2023: Updated and strengthened targets (NDC)
- 2024: National Low-Carbon Hydrogen Strategy



## REGULATORY FRAMEWORK

- 2014: Renewable Energy Law including power purchase agreements (PPAs), feed-in-tariffs (FIT), preferential grid access for RE, and improved licensing and permitting
- 2022-2023: Groundwork to facilitate the creation of a voluntary carbon credit market
- 2024: first voluntary carbon market to promote green energy



## COUNTRY PLATFORM

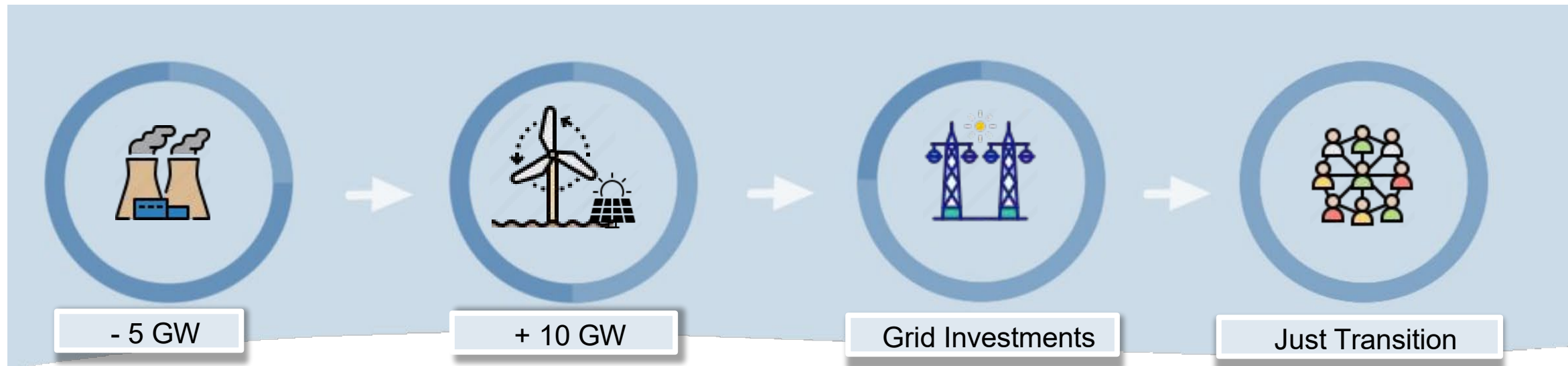
- 2017: Egypt Renewable Energy Financing Framework
- 2022: 5-year sovereign green bonds worth USD 550 million + first \$ 60 million debt swap
- 2023: \$113 million debt swap with Germany
- 2023: Egypt's Country Platform for the Nexus of Water, Food and Energy (NWFE)

## CASE STUDY

# Egypt's Country Platform for the Nexus of Water, Food and Energy (NWFE)

**\$10 billion for the energy sector, supported by \$500 million in concessional finance.**

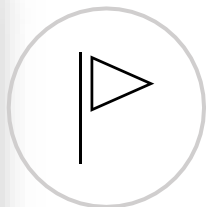
Egypt has developed the NWFE programme identifying priorities in support of its NDC.



- Targeting the decommissioning of 5GW of fossil fuel plants,
- The installation of 10GW of wind and solar capacity,
- Upgrades to the national electricity grid, including energy storage facilities.



# Chile: Strong Signals and Private Sector Participation



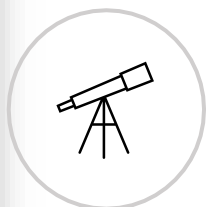
## STRONG MARKET SIGNALS

- 2019: One of the first nations to set a net-zero goal, later enshrined in the Climate Change Framework Law (“the Climate Act”)
- 2022: Increased ambition to reach 100% zero-emission electricity generation by 2050, and a share of 80% of renewables in generation by 2030
- That same year, binding agreement (of voluntary origin) not to install new coal plants and retire or repurpose all existing fleets by 2040



## POWER MARKET LIBERALIZATION

- 1982: Pioneer in enabling private sector participation in power sector
- 2004: Non discriminatory grid-access
- 2008: Annual RE electricity generation quotas
- 2014: Net Billing Law allowing to sell surplus back to the grid at regulated price



## LONG TERM RE AND GRID PLANNING

- Energy Agenda 2014-18: setting out short- and medium-term priorities
- 2015: National Energy Policy 2050 laying out Chile’s strategic vision for energy development up to 2050
- Transmission Law of 2016: enacted to enhance the state’s role in energy planning, introduce non-discriminatory open access to the grid, and improve transmission grid interconnectivity

# Brazil: Strong Governance and National Investment Platform



## MARKET STRUCTURING

- 1990s: RE auctions pioneer leading to strong participation in government-led solar and wind
- Privatization of power market
- 2009: reverse auction system to further decrease the cost of RE power vis a vis FIT
- Brazilian transmission industry is open to the private sector through concessions / public auctions

## ENERGY PLANNING GOVERNANCE

- Framework of regulatory bodies: ANEEL (the Regulatory Agency in 1996), ONS (the National Operator in 1998), CCEE (the Electric Energy Trade Chamber in 1999), and EPE (the Energy Planning Agency in 2004)
- Robust and consistent energy requirement planning processes through Brazil's Energy Planning Agency (EPE), responsible for long-term studies (up to 30 years) and the development of short- and mid-term plans (up to 10 years) for generation and transmission expansion, as well as auction management
- In particular: clear estimates for required levels of investment in transmission infrastructure



## ROLE OF DEVELOPMENT BANKS – NATIONAL INVESTMENT PLATFORM

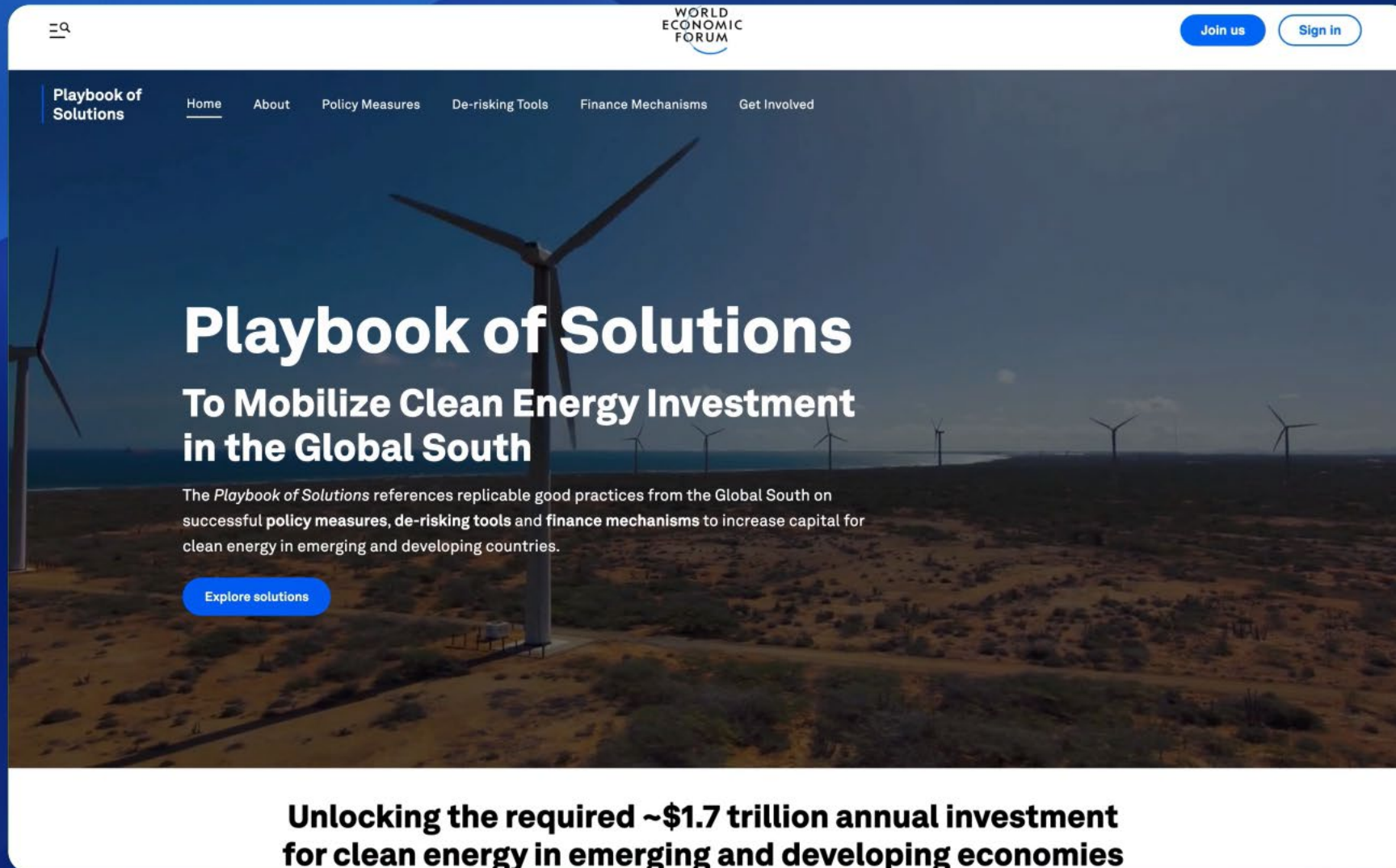
- The BNDES financed 80GW out of the 123 GW additional capacity build out between 2001 and 2023
- The BNDES played a pivotal role as the 'national platform' for clean energy investment, facilitating blended finance with participation from MDBs and international institutions
- 2023: the Inter-American Development Bank (IADB), in partnership with Brazil's Ministry of Finance, initiated a hedge currency (potential coverage of USD 3.4 billion of investments)





# Factors Impacting Investment Decisions





**Discover 100 solutions to unlock clean energy in the Global South**



Thank you

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