



GREEN
CLIMATE
FUND

Green Climate Fund- GCF

Middle East -Regional Portfolio

Dr Amgad Elmahdi
Head of Middle East
Aelmahdi@gcfund.org

Where We Focus

GCF seeks to have an impact within eight mitigation and adaptation Result Areas

Mitigation

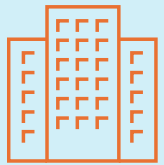
Reduced Emissions from:



**Energy generation
and access**



Transport



**Buildings, cities,
industries and appliances**



**Forests and
land use**

Adaptation

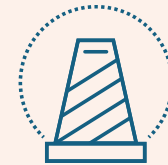
Increased Resilience of:



**Livelihoods of people
and communities**



**Health, food and
water security**



**Infrastructure and
the built environment**



**Ecosystems and
ecosystem services**

GCF-2 Targeted Results 2024-7

Supporting **paradigm-shift** across sectors

FOOD: 190M+
adopting LECR
agriculture &
fisheries

ECOSYSTEMS :
120+ Mha
conserved,
restored, sust.
managed

INFRASTRUCTURE:
45+ countries
develop or secure
LECR infrastructure

CLEAN ENERGY:
20+ countries
expand RE access /
share in energy mix

ENERGY DEMAND:
18+ countries shift to
clean/efficient
transport, building,
industry sectors

Addressing urgent & immediate
resilience needs for particularly **vulnerable countries**

50+ countries protected by new or
improved early CIEWS

40+ approved proposals for
adaptation, including for locally-led
action

Thematic Investments in the Region: Water-Food-Energy

// Water Security & Resilience //



Advance water treatment

Priority interventions:

- Centralized/modular WWTPs & collection network
- Water desalination tech



Secure reliable water access

Priority interventions:

- Bulk water storage to buffer seasonal stress
- Energy-efficient pipeline and pumping infra
- Smart water management & collection



Enhance water ecosystem

Opportunistic interventions:

- Aquifer recharge & managed groundwater systems
- Transboundary water cooperation projects

// Sustainable Agrifood Ecosystems //



Promote climate-resilient agri-production

Priority interventions:

- Modern irrigation systems
- Drought-tolerant and salt-resistant crop varieties



Strengthen supply chain and reduce loss

Priority interventions:

- Cold storage and off-grid preservation tech
- Post-harvest handling & packaging improvements
- Efficient logistics for small producers



Scale ecosystem-linked solutions

Opportunistic interventions:

- Restoration of degraded farmland & rangeland
- EWS and climate data to manage shocks

// Clean Energy & Energy Transition //



Carbon technology and solutions¹

Opportunistic interventions:

- Capacity building for Article 6 readiness
- NbS with carbon market co-benefits
- Carbon capture and storage technologies



Scale up renewables and distributed energy

Priority interventions:

- Utility-scale green infra & energy efficiency upgrade
- C&I / off-grid systems
- Battery energy storage systems



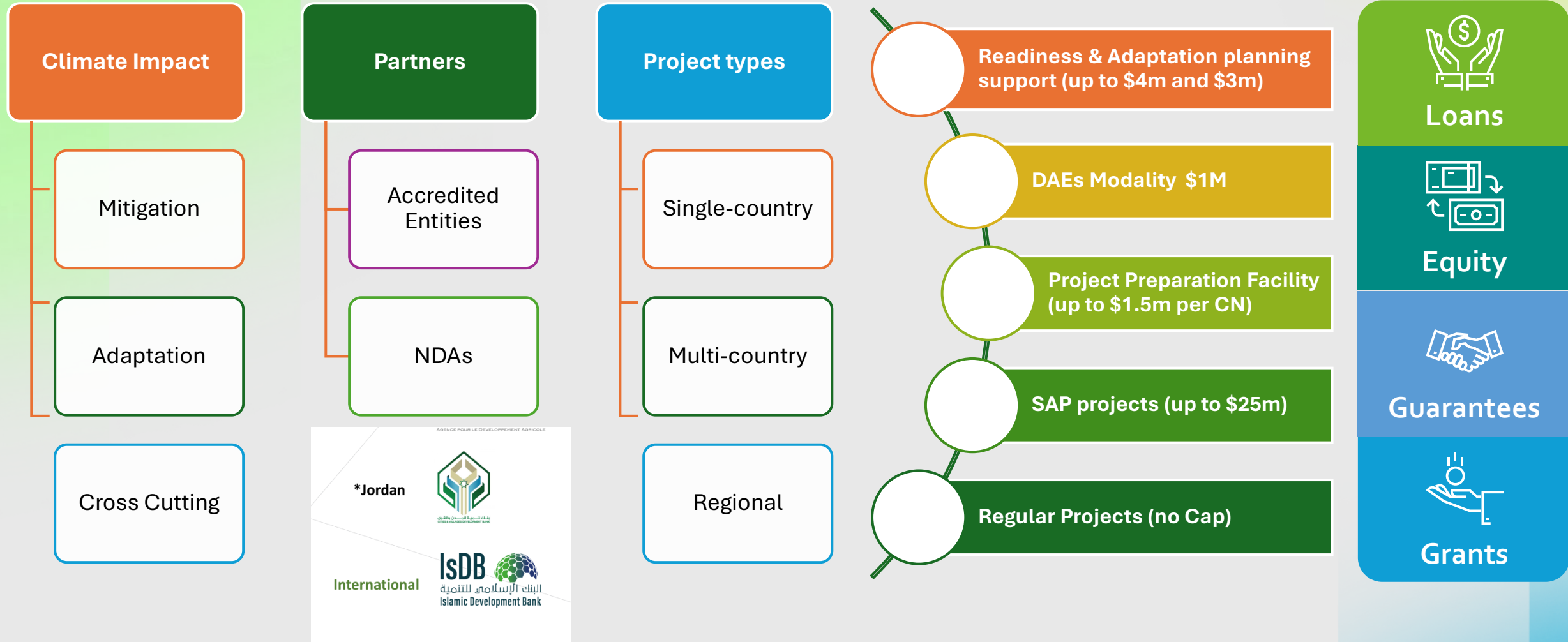
Shift to low-carbon transport system

Priority interventions:

- Electric bus and taxi fleets for public transport
- EV charging infra

Prioritizing cross-cutting enablers as the three sectors are deeply interconnected

Role & Business Model of GCF



Readiness FINANCING MODALITIES

2024-2027

DAE Modality

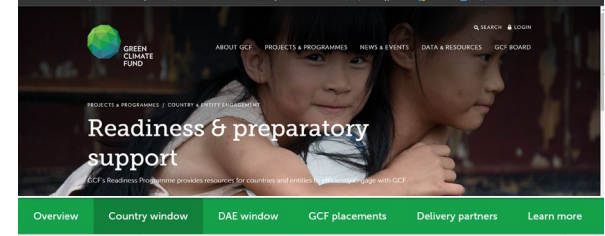
- Total envelope **\$ 1 m** per entity over 4 years

DAEs

Country Modality

Total envelope **up to \$ 7 m** per country over 4 years (**\$ 7.32 m LDC/SIDS**)

NDA



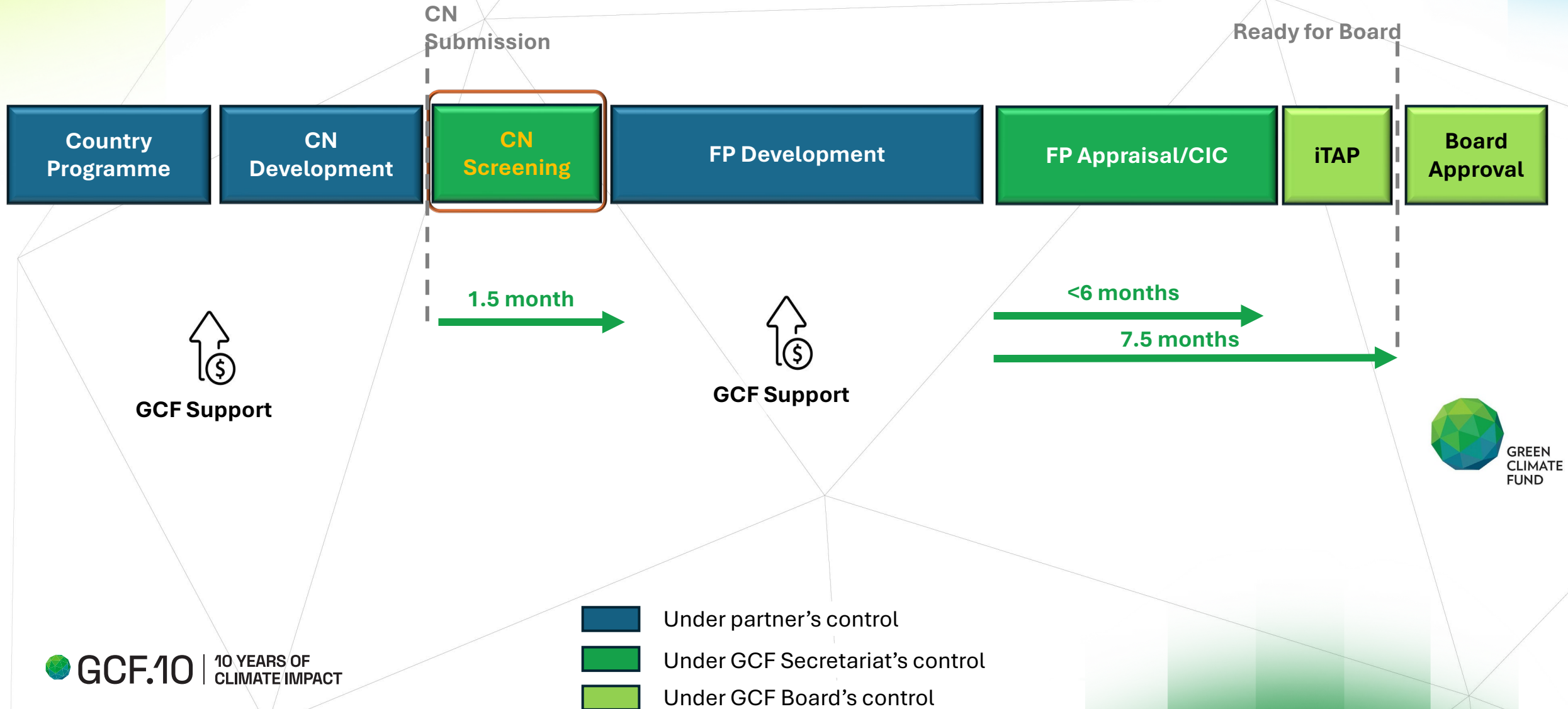
\$ 320k per LDC/SIDS country over 4 years

\$ 4 million per country over 4 years + **\$ 3 million** NAP.1

Trigger
< \$250k remaining in committed funds

Up to \$ 3 million of NAP.2 implementation.

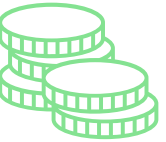
Project Cycle & Support



Journey to Access Climate Finance



Project Stages



Access
Climate
Finance



NAP1 \$3M



Readiness \$4M



DAE \$1M

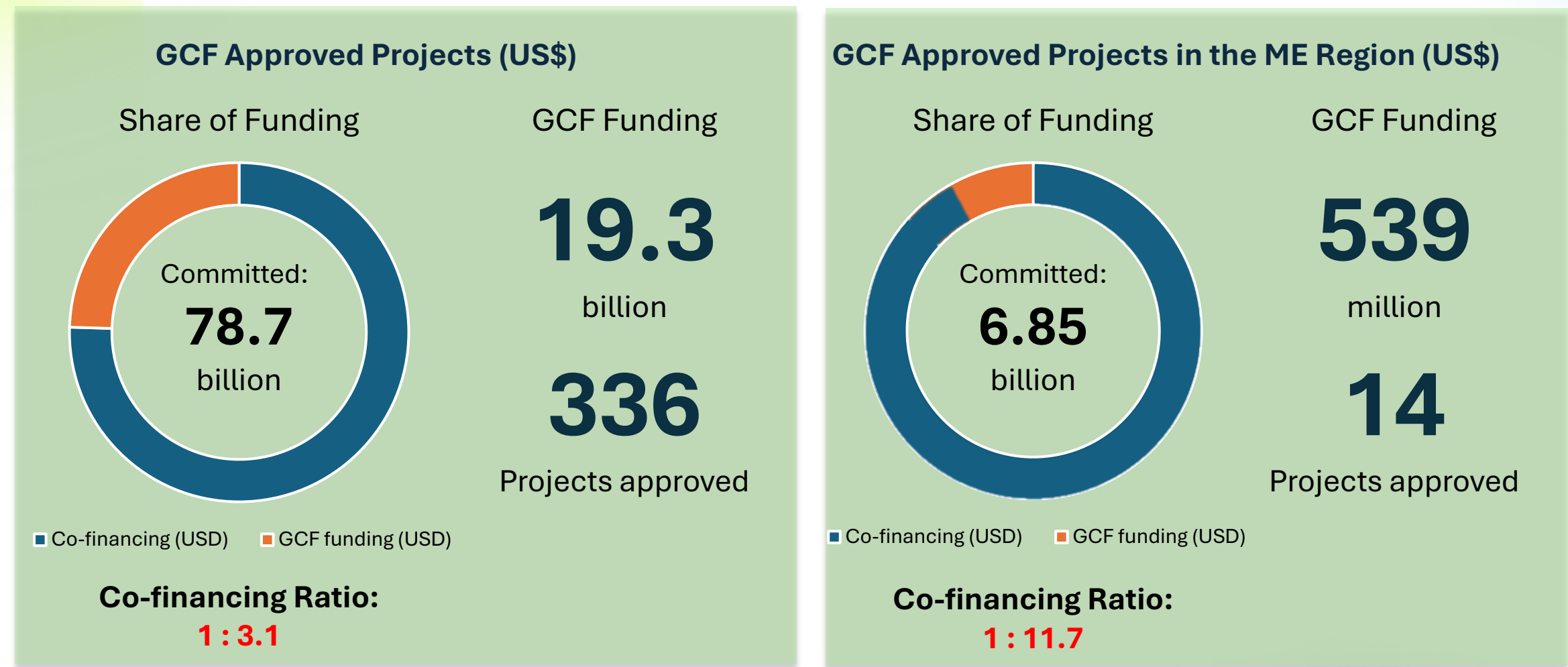


PPF \$1.5 M

GCF Support

ME Portfolio

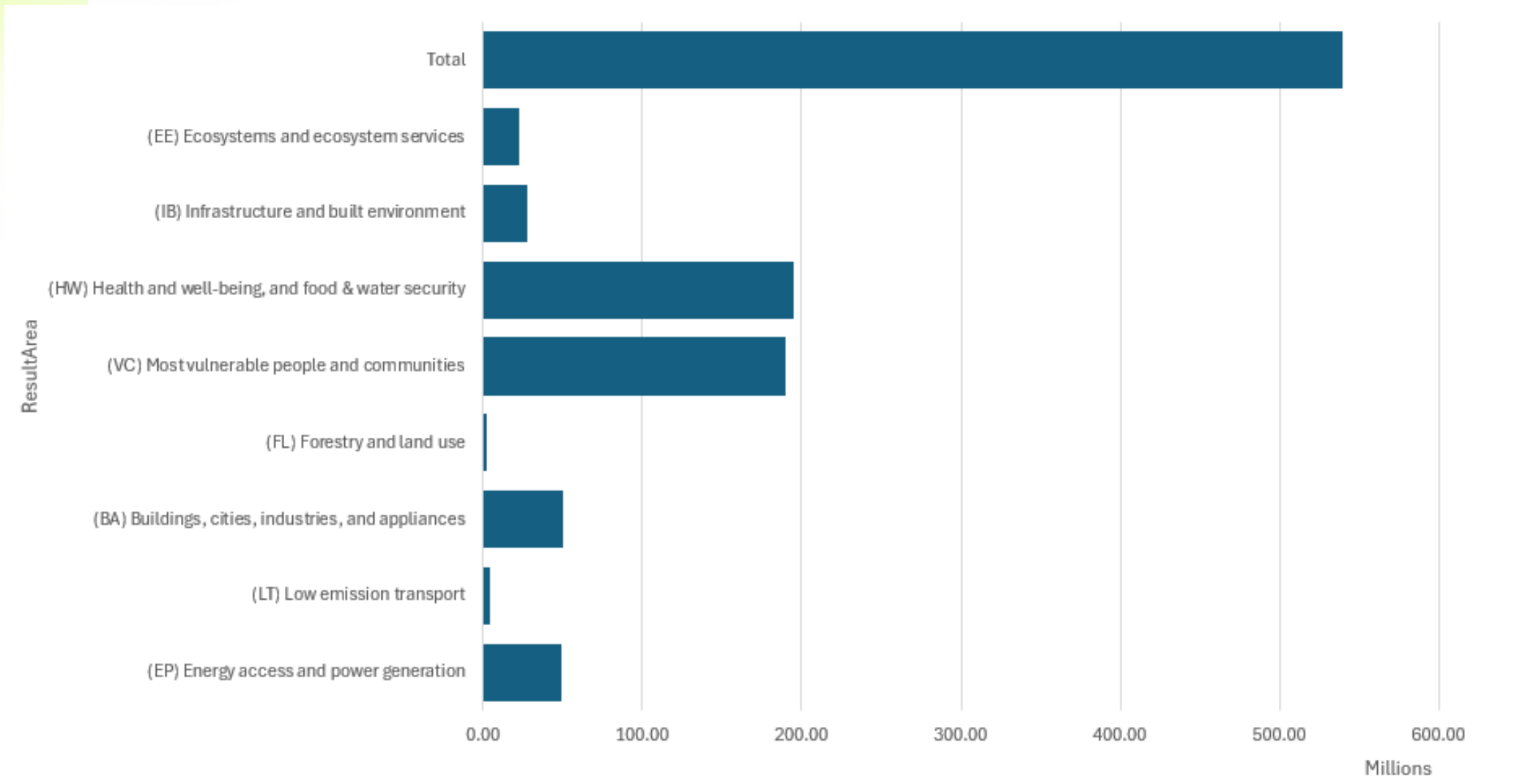
Overview on Approved Projects



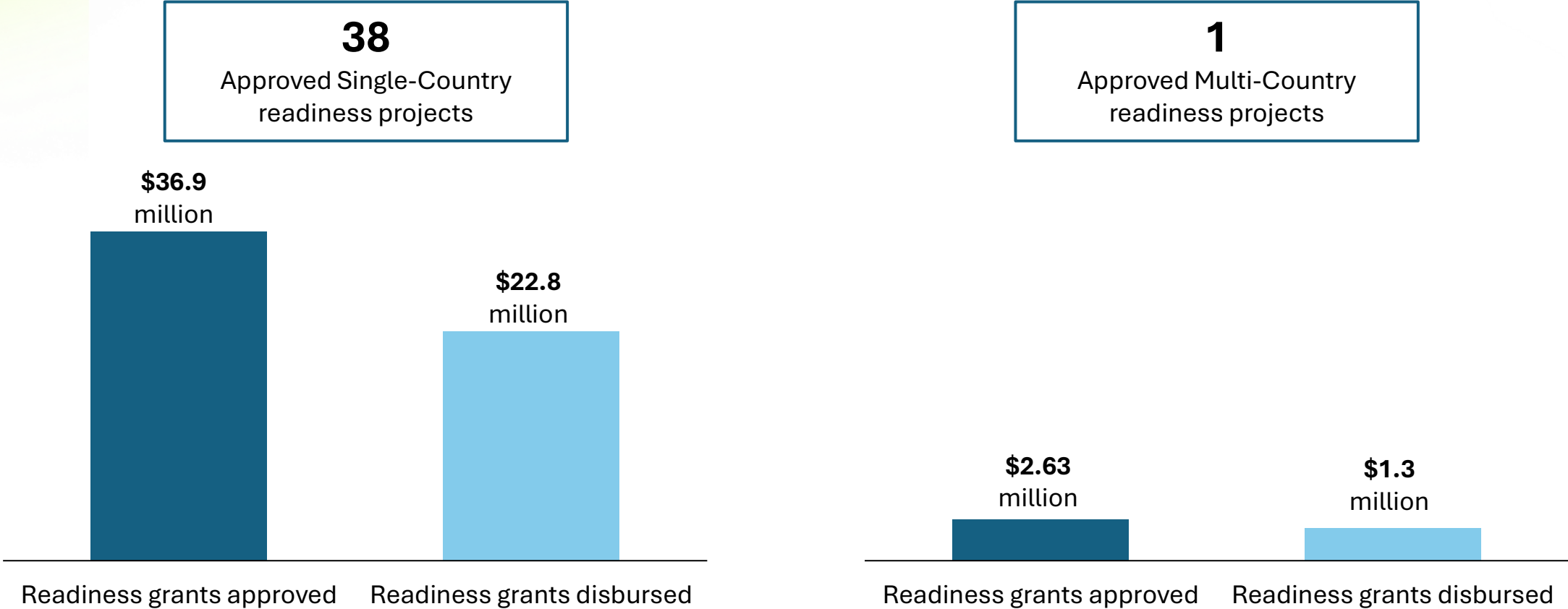
GCF Project Overview in the ME Region

Country	No. of Multi-country projects	No. of Single Country projects	Amount of GCF Funding (USD million)
Bahrain	-	1	2.3
Iran	-	-	-
Iraq	-	2	49.5
Jordan	7	3	456.1
Kuwait	-	-	-
Lebanon	2	-	4.0
Oman	-	-	-
Qatar	-	-	-
Saudi Arabia	-	-	-
Palestine	-	1	27.4
Syria	-	-	-
United Arab Emirates	-	-	-
Yemen	-	-	-
Total			539

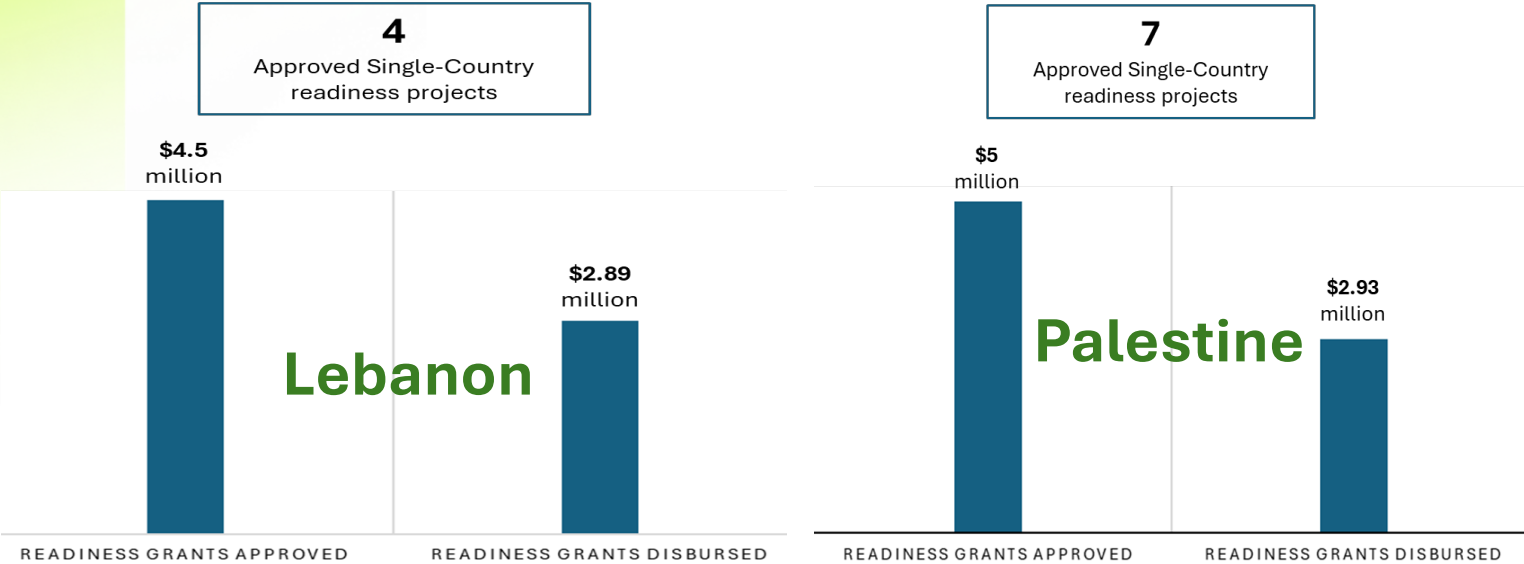
GCF Portfolio in ME Region by result area (USD \$M)



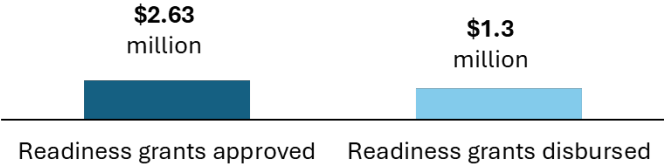
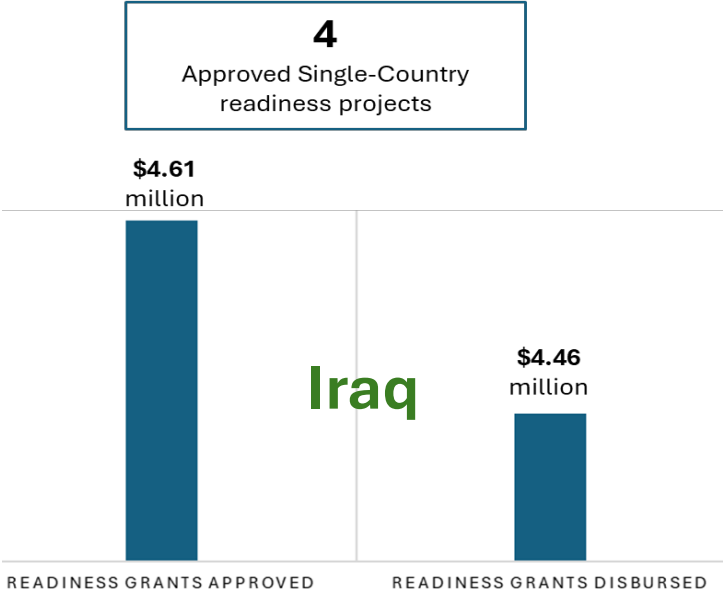
GCF Approved Readiness in the ME Region



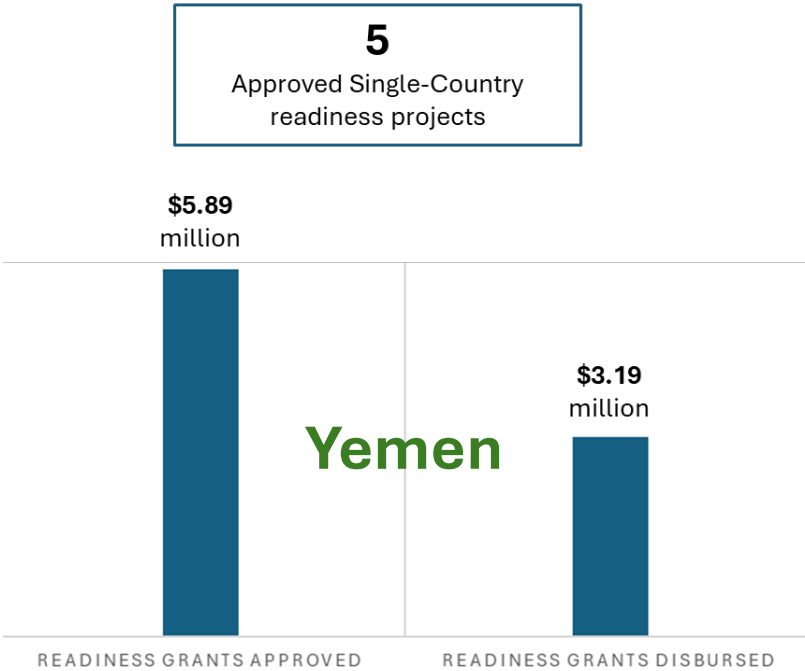
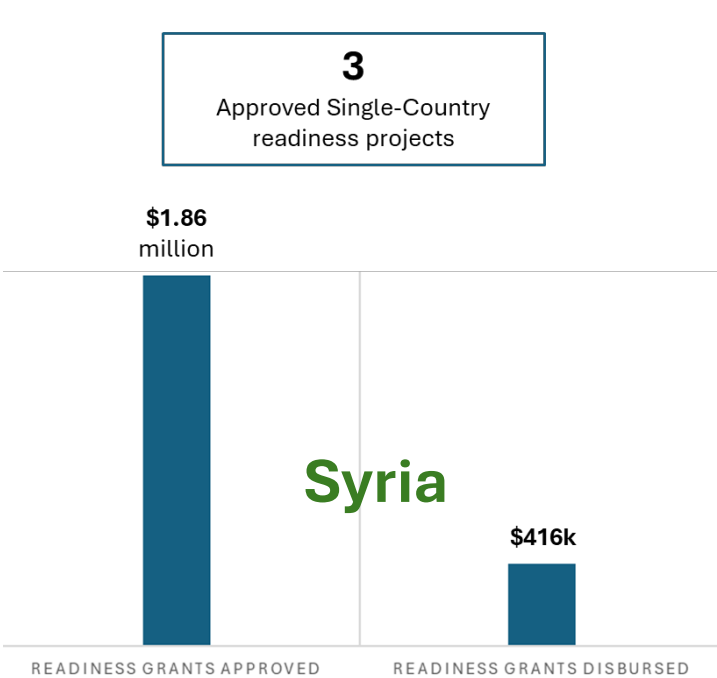
GCF Approved Readiness



Multi-Country
Lebanon, Palestine, Iraq,
Oman, Jordan



GCF Approved Readiness



Active Accredited Entities

- Active International AEs (with approved FPs in the region) include: **AFD, AFDB, EBRD, FAO, FMO, IUCN, MUFG_BANK, PCA, UNDP, UNEP, World Bank, ACTED, SCA)**

National AEs

Jordan



*MDLF-Palestine
CAC Bank-Yemen
Oman Dev Bank-OMAN
Middle East Bank-IRAN*

Regional AEs

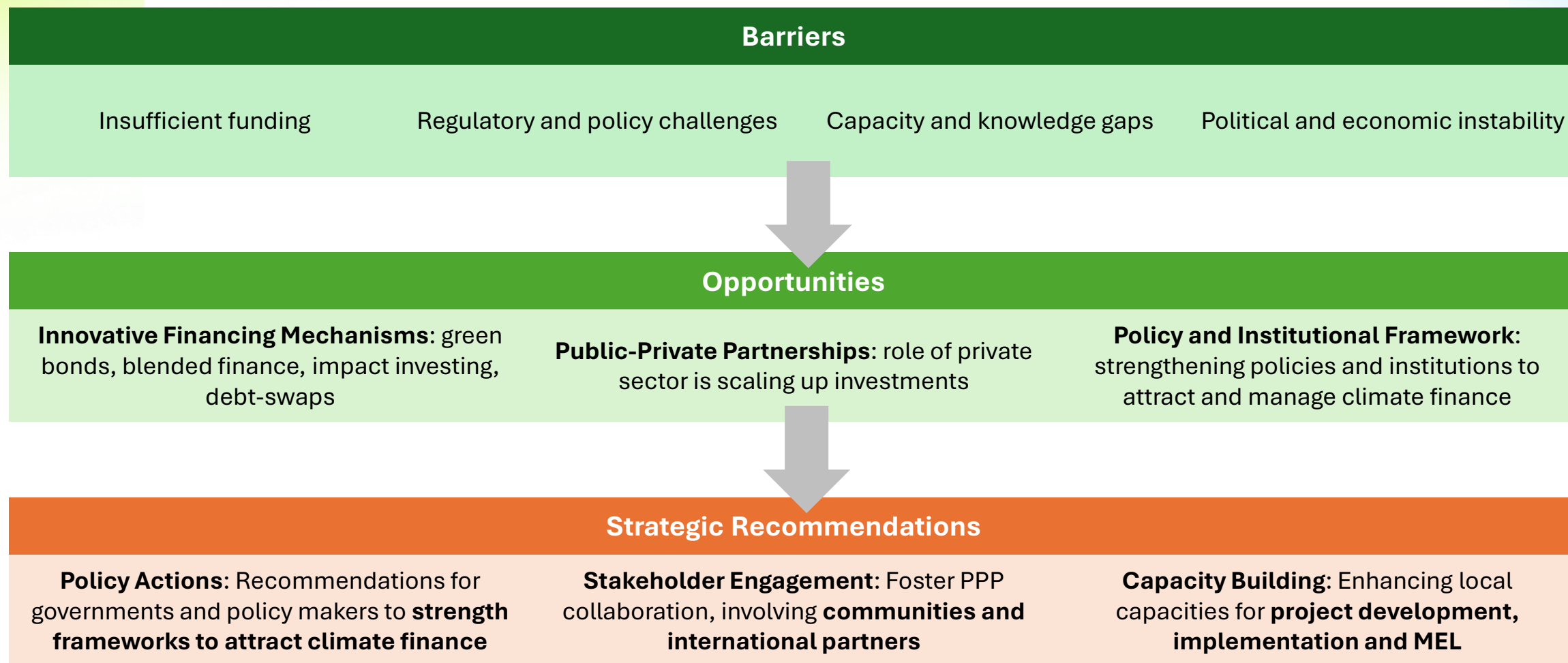
*AFESD-Arab Fund for Economic
and Social Development*

BeryTech

International AE



Big Questions – Mobilizing Climate Finance



Country Highlights in the ME Region

Barriers

- **9 countries** with NO projects approved
- **10 countries** with NO single-country projects approved
- **1 country** with **approved Multi-Country projects**, but NO Single-Country project
- **7 countries** in pipeline
- **1 Multi-Country project** in the pipeline covering 5 countries (Iraq, Jordan, Lebanon, Oman, Palestine)

Mobilized Finance

- GCF approved **14 FP (7 Multi-Country and 7 Single-Country)** in ME region:
 - GCF \$539m
 - Co-financing \$6.31b
- GCF approved a total of **\$39.6m** in readiness support

Challenges

- Many countries in ME region have **high fragility** (e.g. Yemen being an LDC; Syria ranking 4th highest FSI among 179 countries in 2024).
- **Climate Variability:** Countries in ME region also have low capacity to climate change
- Many countries in the ME region are **under-restriction** such as Yemen, Iran, Iraq, Syria, and Lebanon.

Priorities

- **With NO Projects Approved:** Iran, Oman, Syria, Yemen
- **With NO single-country projects approved:** Iran, Lebanon, Oman, Syria, Yemen
- **With Conflict and fragility:** Lebanon, Palestine, Syria, Yemen, Iraq
- **Sector Priorities:** Water security, Sanitation, Food Security, energy transition
- **Underserved Sectors:** Health, Education, Transportation

Take home Message





@GCFOfficial



greenclimatefund



green-climate-fund



@theGCF

Thank You



GCF.10

10 YEARS OF
CLIMATE IMPACT

Dr Amgad Elmahdi

Head of Middle East

Aelmahdi@gcfund.org



[Dr. Amgad Elmahdi](#)



[@Dr_AmgadElmahdi](#)

Role of Climate Finance in Mitigation & Adaptation



- **Mitigation Projects:** Examples of renewable energy projects, energy efficiency initiatives, and sustainable transport solutions

- **Impact:** Reduction in greenhouse gas emissions, promotion of sustainable development



- Scaling up **renewable energy** in **Egypt** through renewable energy integration and leveraged investments.
- GCF Finance: Grant **\$4.7M** and Loan **\$150M**
- Co-Finance: **\$852.3 M**
- Impacts: **18.9m** Tonnes Reduced
- AE: **EBRD**

- **Adaptation Projects:** Water resource management, resilient infrastructure, agricultural adaptation strategies

- **Impact:** Enhanced resilience, reduced vulnerability of communities and ecosystems



- Strengthen vulnerable **farmers' climate resilience** - particularly women who play a critical role in **Jordan's** agricultural sector.
- GCF Finance: Grant **\$25M**
- Co-Finance: **\$8.2 M**
- Impacts: **212.4K Beneficiaries**
- AE: **FAO**

Role of Climate Finance in Mitigation



- **Mitigation Projects:** Examples of renewable energy projects, energy efficiency initiatives, and sustainable transport solutions
- **Impact:** Reduction in greenhouse gas emissions, promotion of sustainable development

Case study: FP039 Egypt Renewable Energy Financing Framework

GCF funding: US\$ 154.7 million in loan and grant

Total project funding: US\$ 1,000 million

Accredited Entity: EBRD

Impact: 18.9m tonnes of carbon emission reduced



- Scaling up **renewable energy** in **Egypt** through renewable energy integration and leveraged investments
- Supported Egypt in opening up the renewables sector to help it meet its target of **20% renewable energy**
- A comprehensive technical assistance to enhance renewable integration and auction policies, successfully brought **down tariff from US\$c 8.5 to under US\$c 2.5**, within 2 years
- The framework has since been replicated in other countries – Kazakhstan, South Africa for renewables as well as for the water sector and for industrial decarbonization

Role of Climate Finance in Adaptation

- **Adaptation Projects:** Water resource management, resilient infrastructure, agricultural adaptation strategies
- **Impact:** Enhanced resilience, reduced vulnerability of communities and ecosystems

Case study: FP155 Building resilience to cope with climate change in Jordan

GCF funding: US\$ 25.0 million in grant

Total project funding: US\$ 33.3 million

Accredited Entity: FAO

Impact: 212.4K beneficiaries



- Strengthen vulnerable **farmers' climate resilience** - particularly women who play a critical role in **Jordan's** agricultural sector
- The project **increases new supplies of water** by recycling wastewater and harvesting rainwater
- By **reducing the demand on groundwater sources** through efficient cropping and water use practices, the project bolsters vulnerable farmers' climate resilience - particularly women who play a critical role in Jordan's agricultural sector

PSF – portfolio and impact



Theme

- Adaptation
- Cross-cutting
- Mitigation

73
Projects

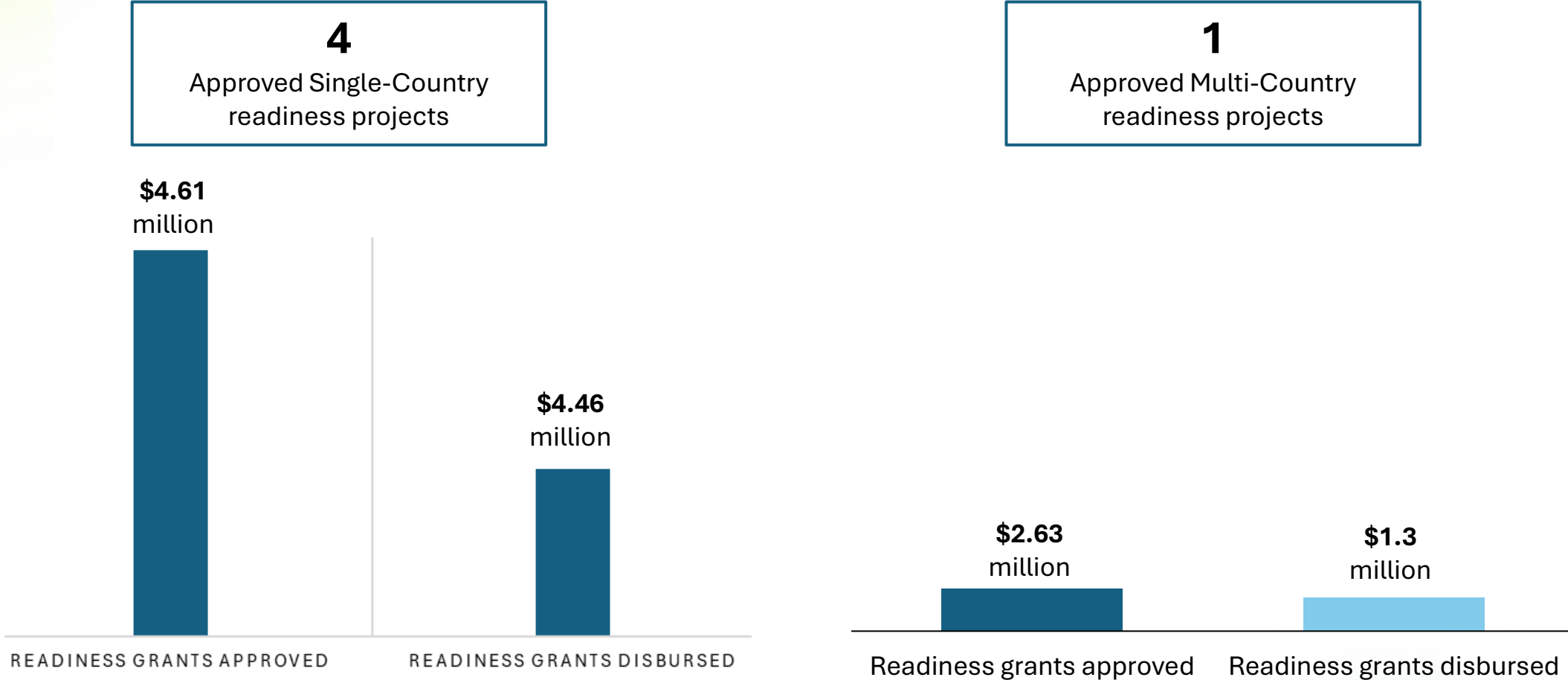
\$6.4B
GCF financing

\$24.8B
Co-financing

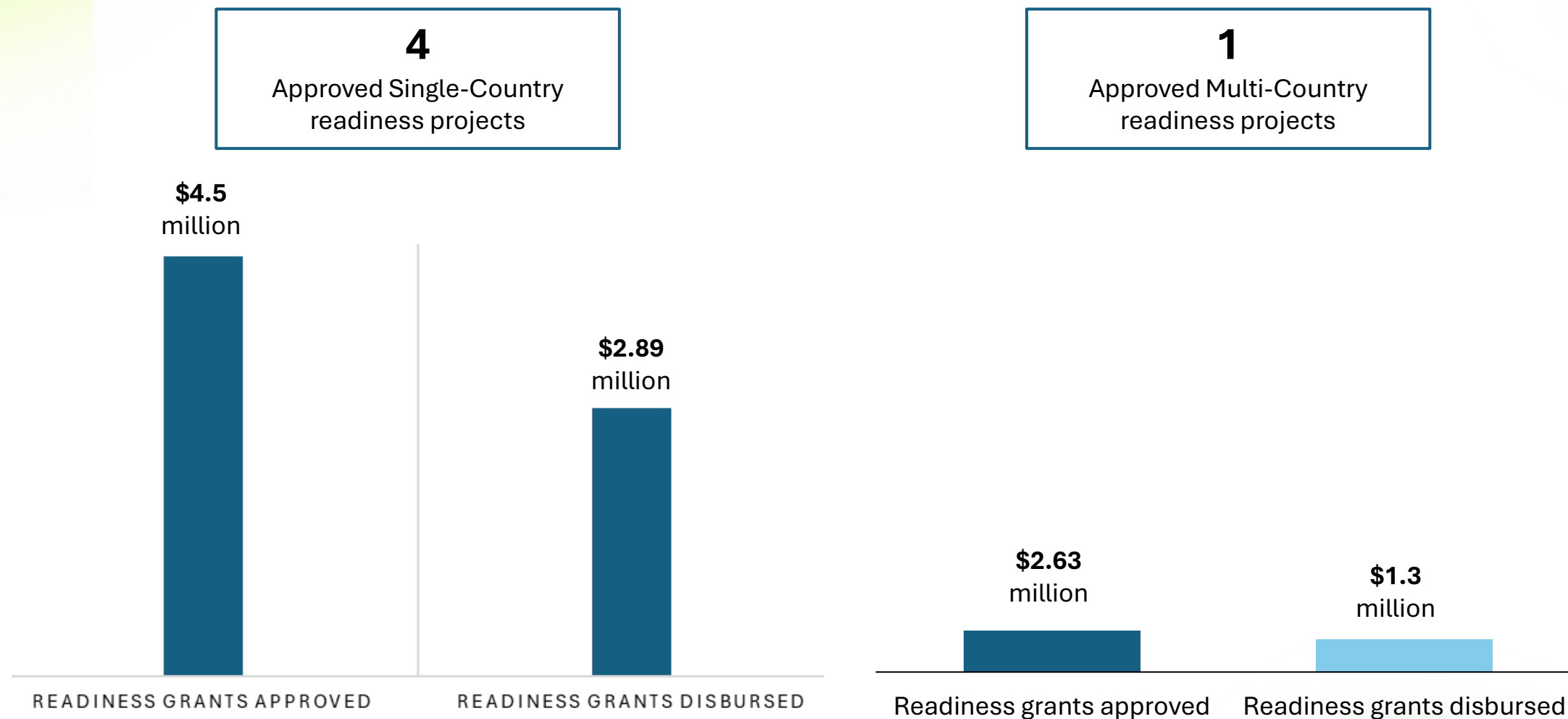
1.6Gt
Lifetime
CO₂

573M
Beneficiaries

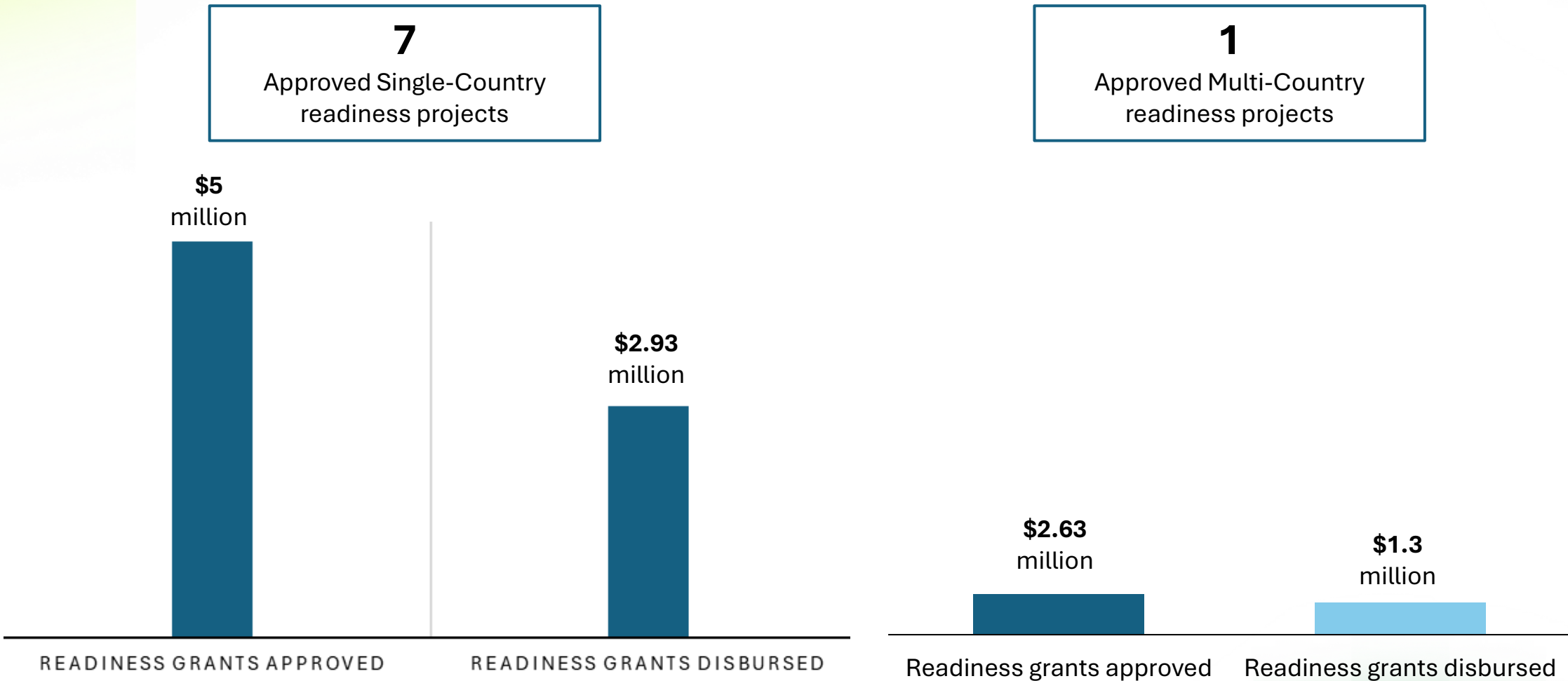
GCF Approved Readiness for Iraq



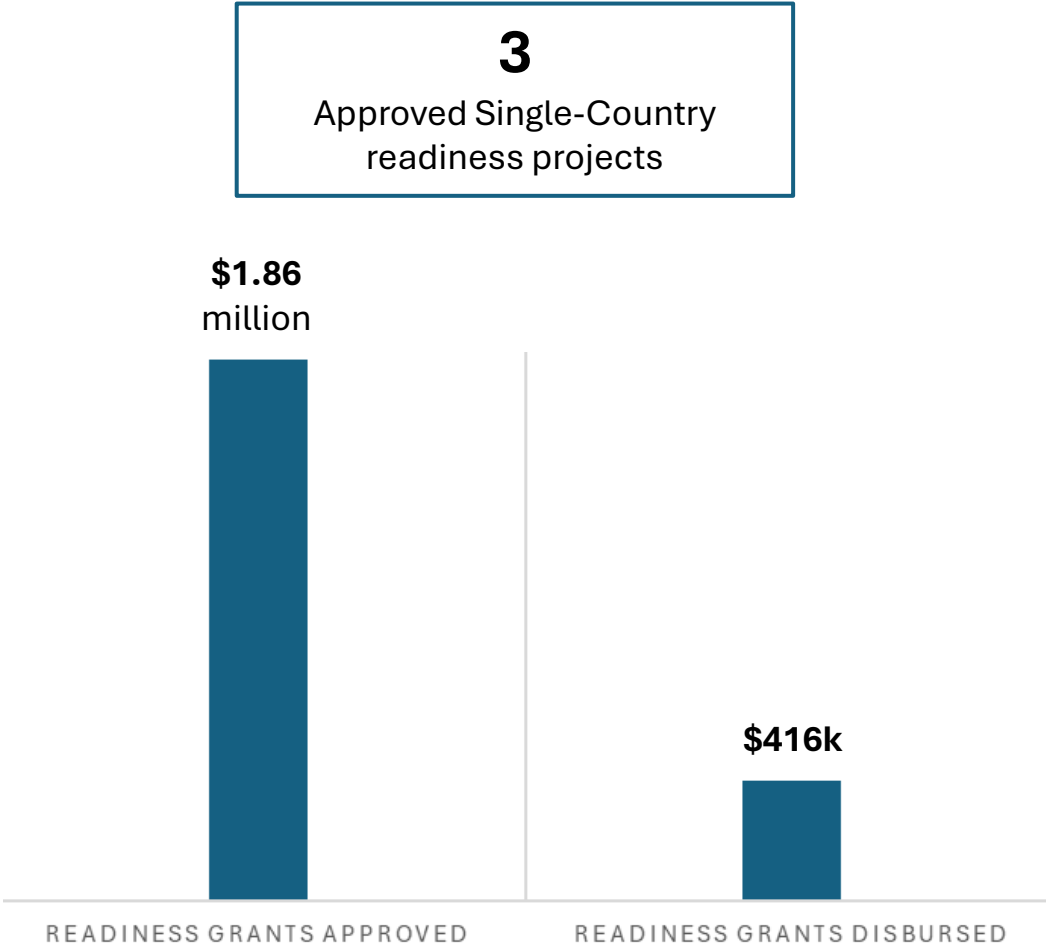
GCF Approved Readiness for Lebanon



GCF Approved Readiness for Palestine



GCF Approved Readiness for Syria



GCF Approved Readiness for Yemen

