

Circular Economy: From Planning to Execution in Jordan

UN-ESCWA Regional Consultation on Circular Economy
Transition in the Arab Region: Opportunities and Challenges
Confirmation

March 3, 2023

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Agriculture Solutions**

Innovative water solutions for sustainable development

Food · Climate · Growth

Global Circularity GAP

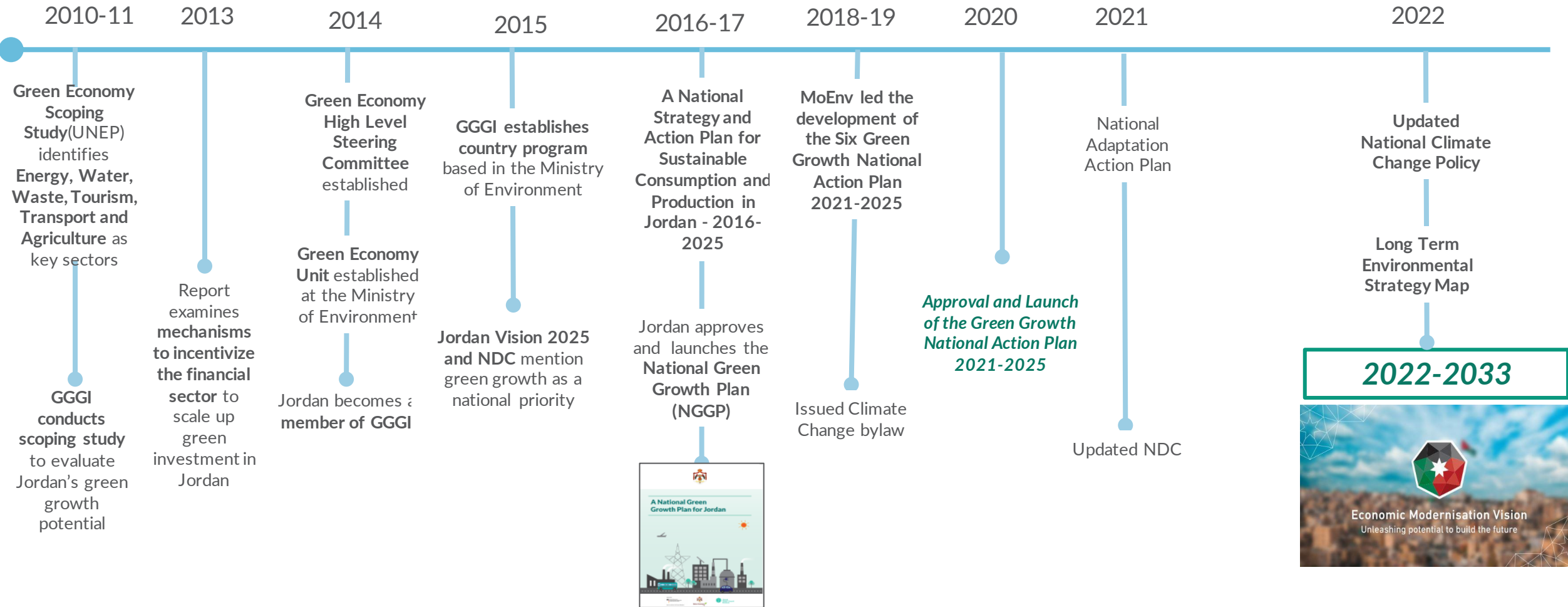


Global Market Potential & Dynamics

The global green technology and sustainability market size was valued at \$10.32 billion in 2020 and projected to reach **\$74.64 billion by 2030**.

- A shift to a greener economy could create **24 million new jobs globally by 2030** if the right policies are put in place.
- 72 million full-time jobs will be lost by 2030 due to heat stress, and temperature increases will lead to shorter available work hours, particularly in agriculture.
- 6 million jobs will be lost, including in the areas of petroleum extraction and refinery, coal mining and production of electricity from coal.
- The transition needs to be just!

Green Growth/Green Economy Planning in Jordan



Green Growth/Economy Planning and Mainstreaming

JORDAN - Green Growth National Action Plan 2021-2025



AGRICULTURE SECTOR

Green Growth National Action Plan 2021-2025

March 2020



ENERGY SECTOR

Green Growth National Action Plan 2021-2025

March 2020



TOURISM SECTOR

Green Growth National Action Plan 2021-2025

March 2020



TRANSPORT SECTOR

Green Growth National Action Plan 2021-2025

March 2020



WASTE SECTOR

Green Growth National Action Plan 2021-2025

March 2020



WATER SECTOR

Green Growth National Action Plan 2021-2025

March 2020



National Objectives of the Green Growth National Action Plan 2021-2025

Enhanced Natural Capital

Ensures natural resources are protected, restored and valued as enablers of sustainable, resilient growth

Sustainable Economic Growth

Economic development by greening key service sectors and investment in low-carbon, climate resilient infrastructure

Social Development and Poverty Reduction

Ensures access to opportunity for all, including women, youth and vulnerable groups, by creating jobs and increasing access to public services

Resource Efficiency

Reduces the wastefulness of various economic activities through investment in innovation and circular economy approaches

Climate Change Adaptation and Mitigation

Supports resilience to climate change impacts and reduction of greenhouse gas emissions to achieve international targets

Agriculture Sector GG-NAP

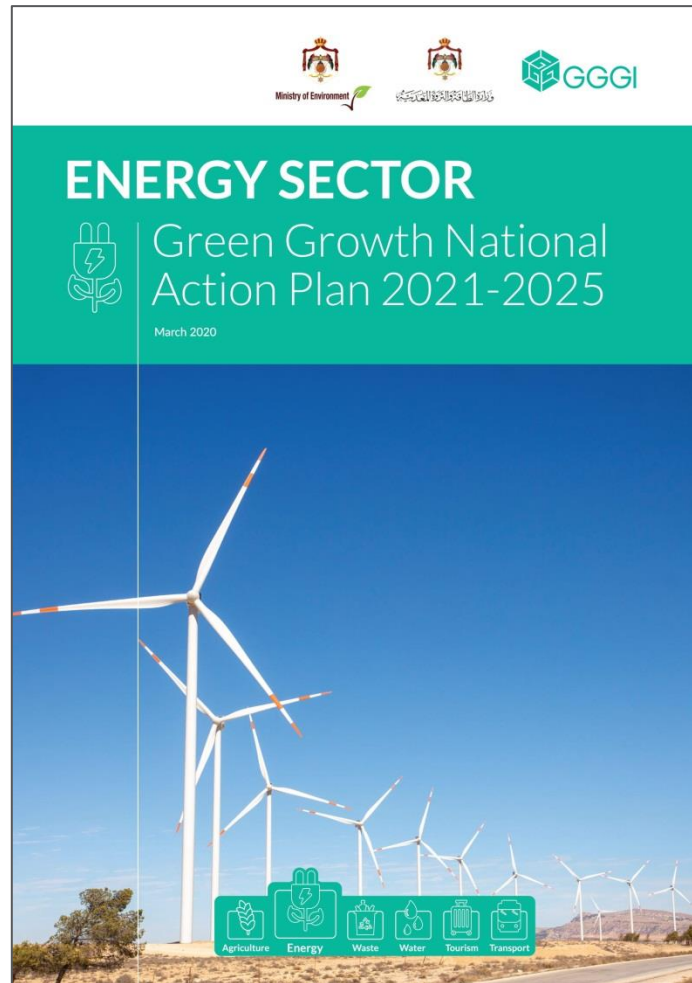


14 Actions

- 8 improve resilience to climate change
- 11 promote rural development and poverty reduction
- 12 promote sustainable economic growth

- Increase investment in **future-oriented techniques, technologies and business models** that will contribute sectoral growth.
- Improve the **processes and tools** for sectoral planning across the full agricultural and food production value chain, from farm to market.
- Reduce the **environmental impact of the sector** by mainstreaming **landscape restoration, forestry and resource efficiency** measures into agriculture sector activities.
- Increase opportunities for farmers and rural communities to **improve their skills and access to finance** to promote sustainable livelihoods and decent, green jobs in the sector.

Energy Sector GG-NAP



12 Actions

- 11 reduce GHG emissions
- 11 promote sustainable economic growth
- 8 promote resource (energy) efficiency

- Supports Jordan's objectives to **achieve a cleaner energy mix** through renewable energy and **reduction in national GHG emissions**.
- Promotes the **revitalization of the energy services market** and the pursuit of energy sector innovation as a driver of future economic growth and employment.
- Increases the readiness of key national institutions to **attract climate finance**.
- Emphasizes the importance of **achieving energy efficiency** through green building and construction, electric transport, and appliances.

Transport Sector GG-NAP



13 Actions

- 10 contribute to sustainable economic growth
- 12 contribute to GHG emissions reduction
- 7 contribute to social development and poverty reduction

- Increase **access to public transport services** (and reduce reliance on individual car ownership) through an increase in private and public funding
- Increase **public-private dialogue and collaboration** in key transport sub-sectors, including tourism and logistics
- Enhance the enabling environment for Jordan's **transition toward greater electric mobility**
- Contribute to a **reduction of transport-sector GHG emissions** and support the implementation of Jordan's NDC

Waste Sector GG-NAP



16 Actions

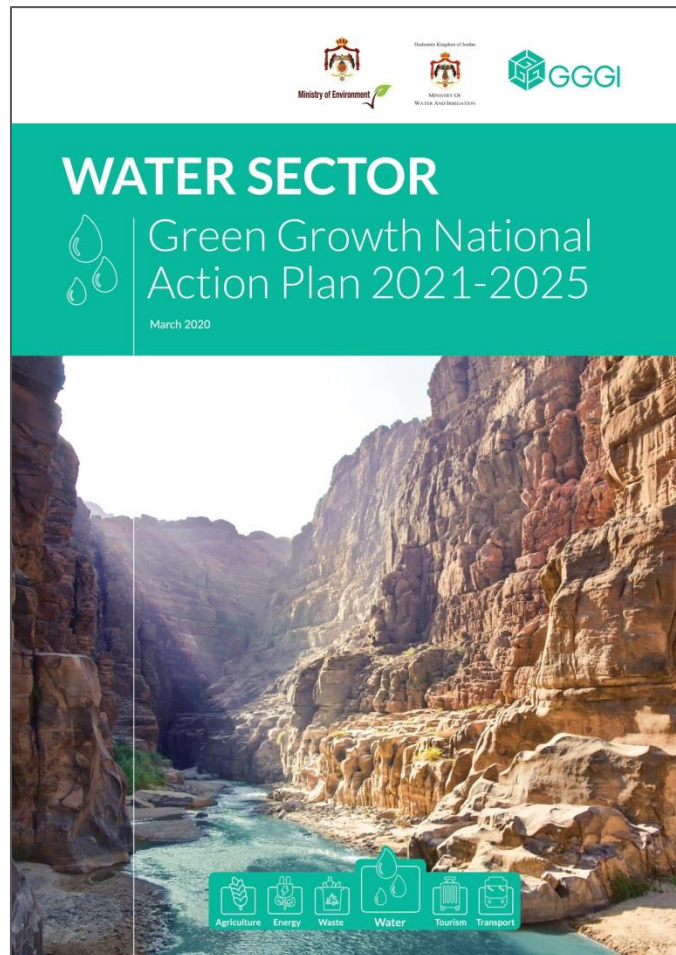
14 promote sustainable economic growth

11 promote resource efficiency

8 promote climate action

- **Increases diversion of waste** away from landfills, through the reduce, recycle and reuse approach
- Builds a **'virtuous cycle'** and **sustainable business model** which offsets the cost of waste management for urban areas
- Encourages **private sector investment and job creation** in the circular economy through innovation, market development and public-private dialogue
- **Mainstreams critical waste streams** into sector priorities, including construction and demolition waste, e-waste and hazardous waste

Water Sector GG-NAP

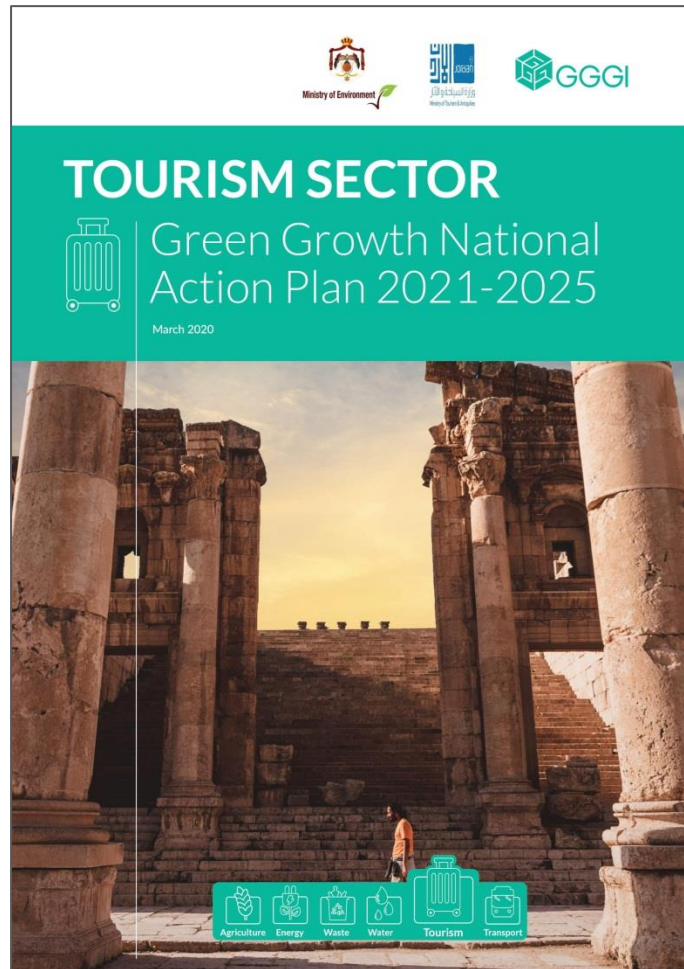


19 Actions

- 12 promote sustainable economic growth
- 13 increase resilience to climate change
- 9 increase resource (water use) efficiency

- Address key challenges related to both supply and demand side management, through **implementation of infrastructure and building community stewardship** of resources.
- **Introduce incentives and financing mechanisms** to reduce the overall cost of water resource management on public resources.
- **Increase access to water and sanitation** for vulnerable members of society, including school children and displaced persons.
- Increase the capacity of public sector decision makers to use **incentive structures, data and policy innovations** in water sector management

Tourism Sector GG-NAP

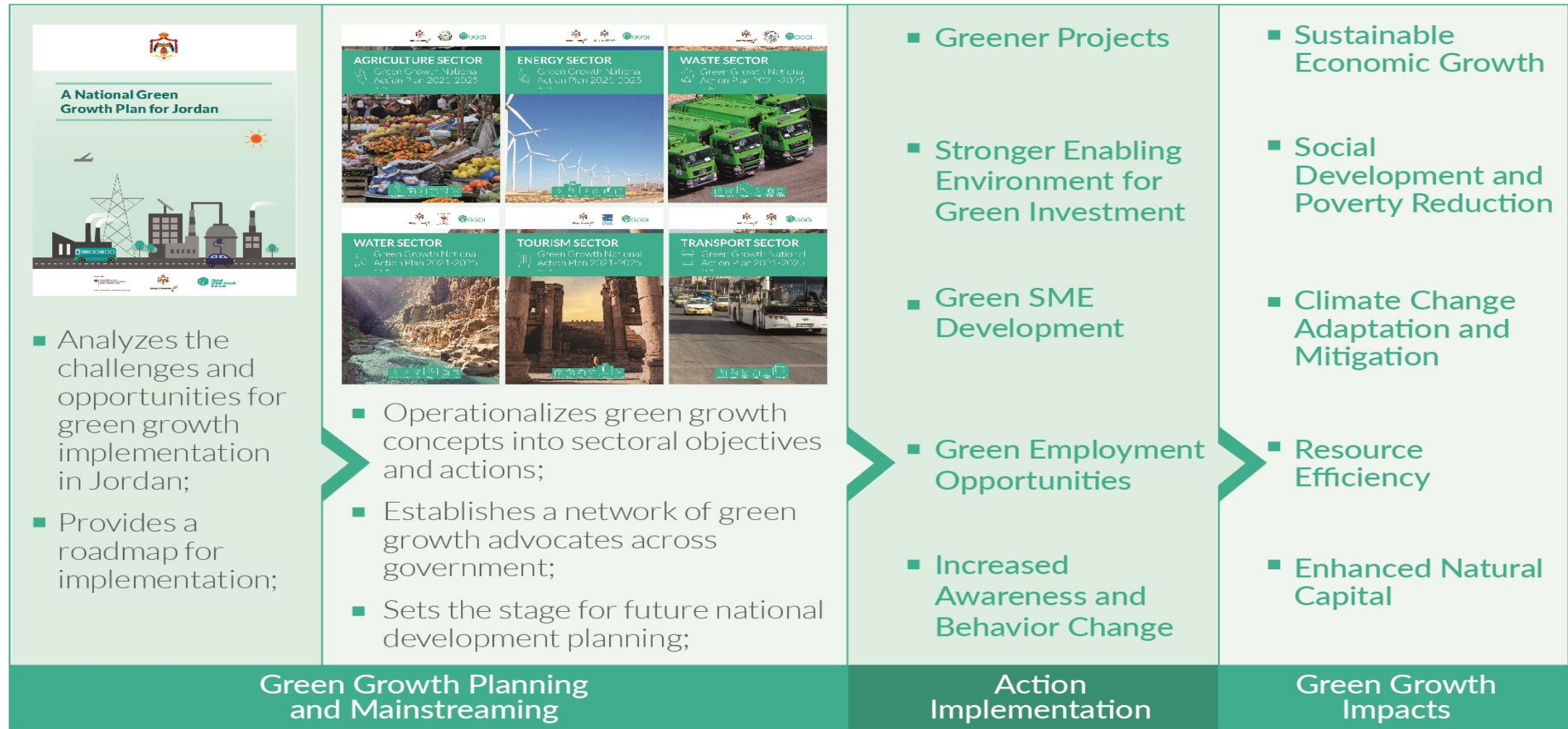


12 Actions

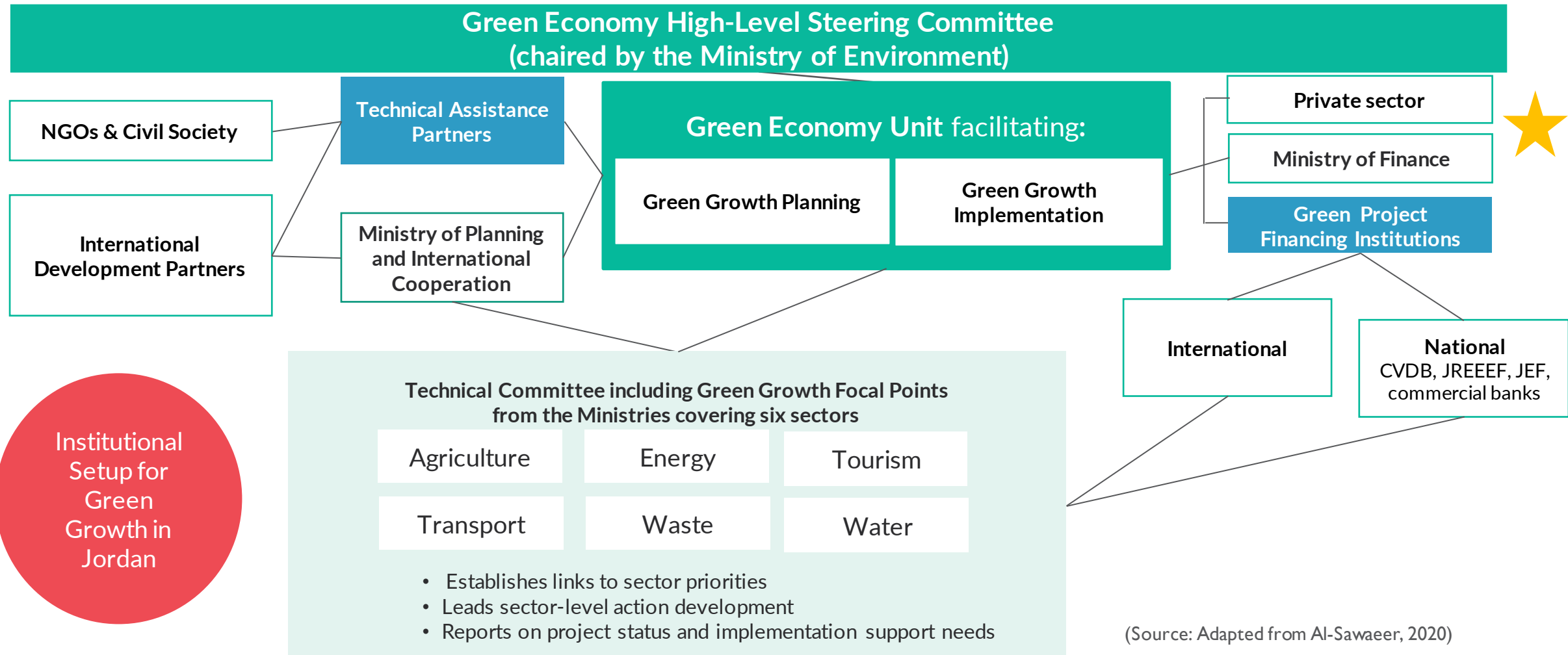
- 11 promote sustainable economic growth
- 10 promote social development and poverty reduction
- 8 promote natural resource protection in the tourism sector

- Increase coordination and collaboration between the **public and private sectors** involved in Jordan's tourism sector.
- Increase the profitability of the sector by **increasing the skills and competitiveness of firms, communities and employees** dependent on the sector
- **Mainstreams sustainability and resilience** into sector-level investment planning
- Presents **investment opportunities in eco-tourism and sustainability** in key touristic locations

Mainstreaming Green Growth in Jordan's National Planning System



Strengthening Cross-Sector Collaboration



Role of the Ministry of Environment

- Support line ministries with technical analysis as needed
- Guide further green growth planning and implementation activities and facilitating collaboration amongst all stakeholders.
- Support line ministries with cross-sector coordination to support project design and implementation.

Implementation
Tracking

Link to Climate /
Environment
Finance

Capacity Building

Communications

Opportunities....Green Funds and Facilities



GREEN
CLIMATE
FUND



J R E E E F
Jordan Renewable Energy & Energy Efficiency Fund
صندوق تشجيع الطاقة المتجددة وترشيد الطاقة
MINISTRY OF ENERGY AND MINERAL RESOURCES
وزارة الطاقة والمعادن



ADAPTATION FUND



gef GLOBAL ENVIRONMENT FACILITY
INVESTING IN OUR PLANET



JORDAN ENVIROFUND
صندوق حماية البيئة



صندوق دعم وتطوير الصناعة



Green
Economy
Financing
Facility



A row of large, colorful, stylized letters spelling 'LOSS AND DAMAGES FUND' in a public space. The letters are white with vibrant, multi-colored patterns. The background shows a clear blue sky and some greenery.

LOSS AND DAMAGES FUND

Opportunities: Youth Green Jobs



Green Skills: are those that enable the environmental sustainability of economic activities.

Green Jobs: are those that cannot be performed without extensive knowledge of green skills.

Green Employment: employment **created** and **sustained** by economic activities that are more environmentally sustainable; contribute to protecting the environment and reduce people's environmental footprint; and offer decent working conditions.

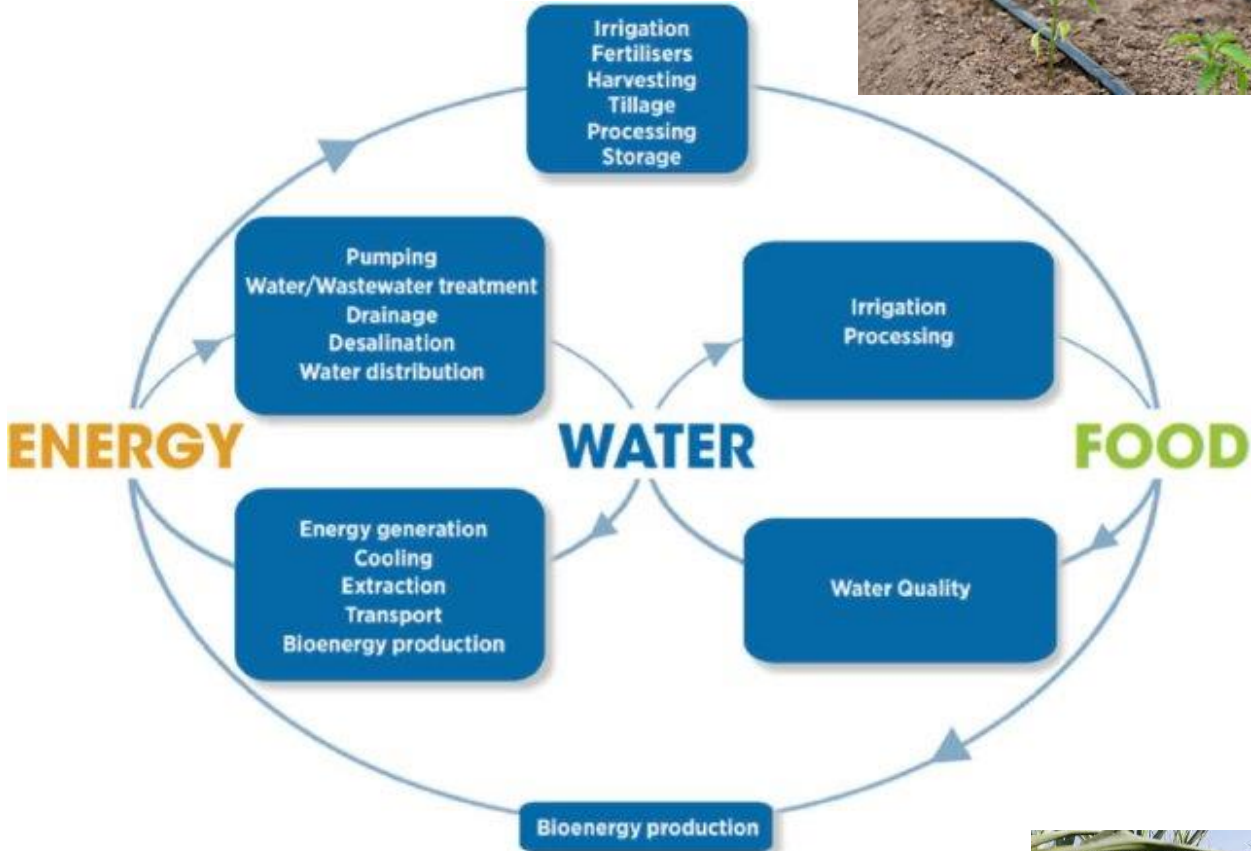
Green Collar Jobs: aren't as easily defined as white or blue, as they can range from manual to managerial. They all have the common goal of improving the quality of our environment by reducing waste and pollution.

Green Innovation: innovative products and processes that reduce environmental impacts, whether the main motivation for their development or deployment is environmental or not.

Green Businesses: Business that create and implement solutions for environmental problems.

(Source: Adapted from Ruba Al-Zu'bi, 2023)

Opportunities... NEXUS





SCALING UP



الجمعيّة العلميّة المالكية
Royal Scientific Society

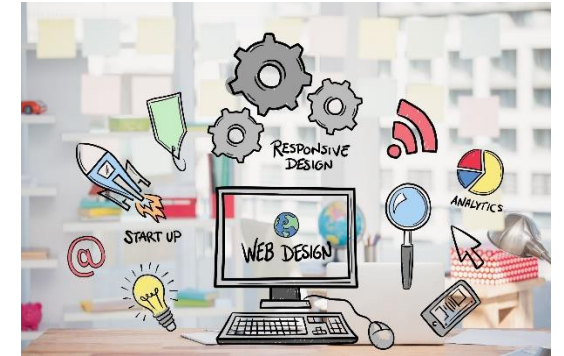
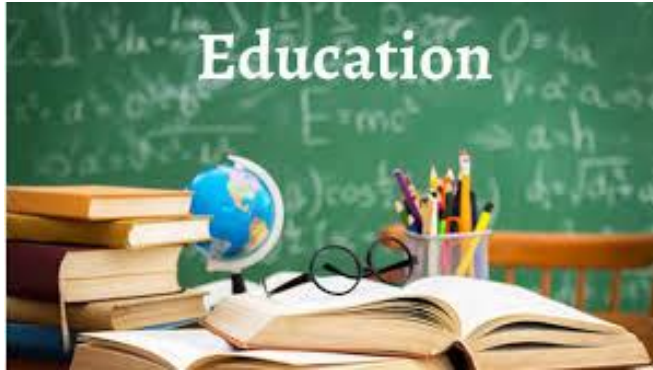


MED TEST II programme in JORDAN – Example



(Source: Adapted from Alsyeed, 2022)

What is Needed?



Thank You!