

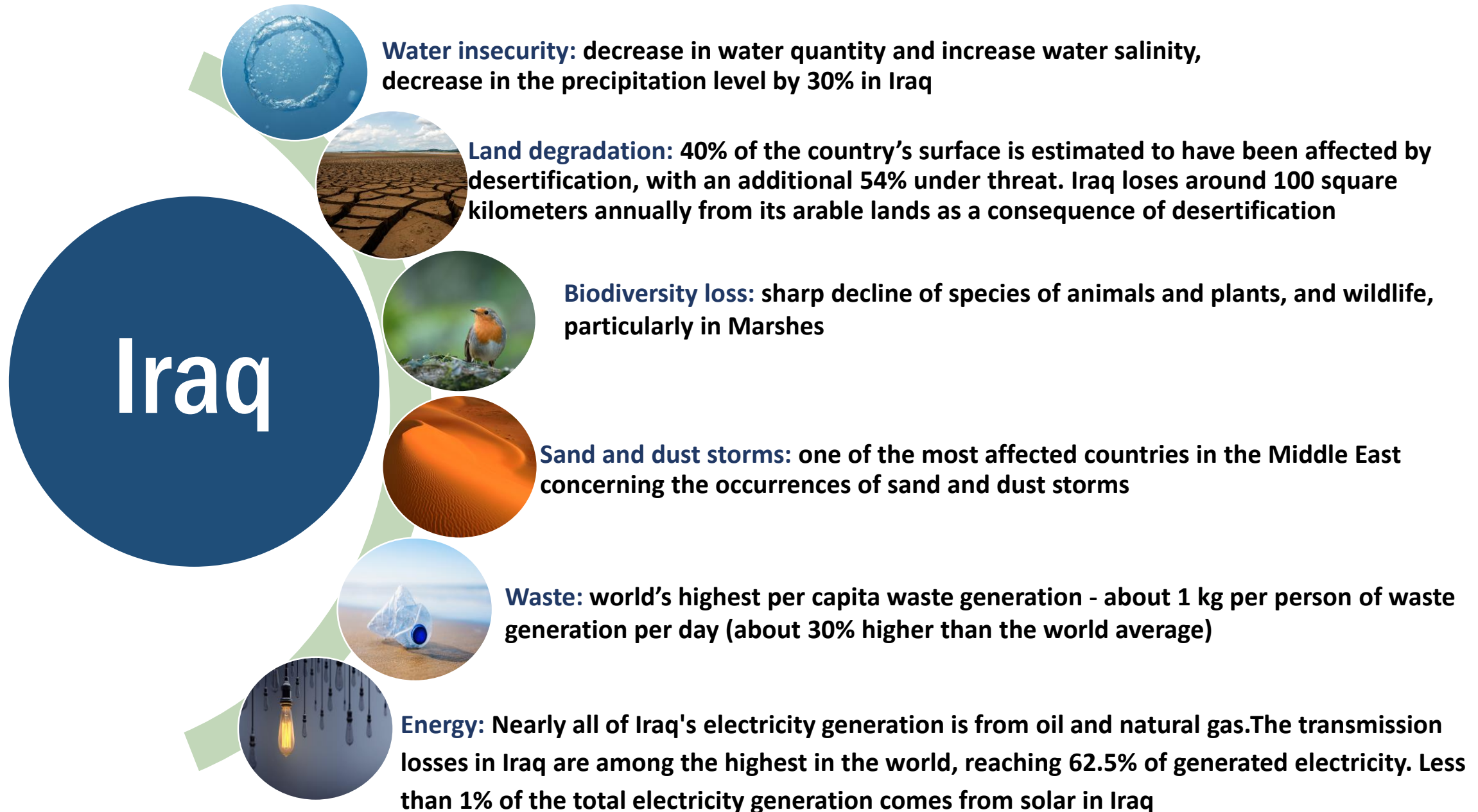


SDGs localization workshop

SDG 13 (Climate Action)

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Climate Vulnerability Context



Climate Change as a key driver of negative changes

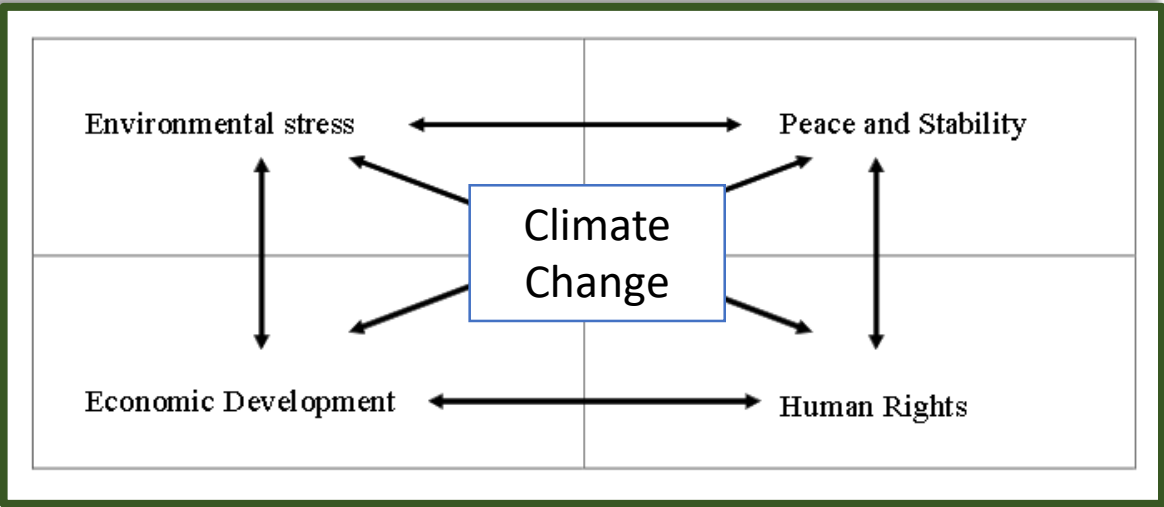
- ✓ The temperature in Iraq is increasing 2 to 7 times faster than global temperature rise.
- ✓ Iraqi population's continued growth will result in an increasing requirement for water and agricultural output.
- ✓ Severity and frequency of droughts will increase along with dust and sand storms.



**Iraq is the fifth most vulnerable country to the climate change impacts
(GEO-6 Report, UNEP)**

Climate Change: A crisis multiplier in complex context

In Iraq, climate change is expected to further affect food and water security, equality, exacerbate environmental degradation, existing sociopolitical and economic vulnerabilities, undermine livelihoods, inflate the risk of conflict.



SDG 13 – integrator role: Accelerating achievement of SDGs through SDG 13

Mainstreaming Environment and Climate for Sustainable Development

(climate change must be systematically considered in social and economic policies, crisis recovery and reconstruction plans, rehabilitation, development projects)

Mainstreaming is achieved by putting climate/ environment issues at the heart of government by mainstreaming them into economic decision-making processes and national recovery efforts, particularly the national and subnational planning and budgeting processes led by ministries of finance, planning and local government, and supported by ministries of environment.

Climate change and Environment policies, strategies, projects

(implementing SDG 13 accelerates the co-benefits generation across multiple SDGs)

Iraq National Frameworks

- **Iraq Vision 2030** integrates with the environmental goal to create a clean, safe and sustainable environment for the current and future generations.
- **Iraq ratified the Paris agreement** on January 14, 2021.
- **Iraq submitted its NDC (Nov 2021)** to define Iraq's strategic objectives and commitments towards climate change adaptation and mitigation.

National Priorities based on NDC



Iraq aims to achieve reduction between 1% and 2% of its total emissions from 2021 to 2030 through national efforts and 15% subject to the international financial and technical support.



Iraq aims to invest in renewable energies of up to 12 GW by 2030 based on the Cabinet's economic decisions for 2021.



Reduce vulnerability to the negative impacts of climate change, especially in rural communities

UNDP Support in Iraq





Focuses on integrated solutions for climate action that brings benefits across SDGs and for crisis prevention/ recovery goals


1. UNDP Project: Climate action for human security in Iraq's Al Hawizeh marshlands


KEY CHALLENGES:


Al Hawizeh marshes and its communities are facing political, socio-economic and security challenges that could adversely impact efforts to promote sustainable development. The following challenges, coupled with the adverse impact of climate change, hinder the return of the Internally Displaced People (IDPs) from other governorates:

 Severe environmental degradation and a near total absence of the infrastructure required to support everyday life of communities.

 Lack of power supply.

 Lack of sewage treatment facilities, schools, clinics, and other public facilities.

 Lack of access to clean water supply or wastewater treatment or disposal.

 Lack of livelihood opportunities.

PROPOSED SOLUTION:

The project supports crisis-affected communities with a special focus on women's empowerment through:

1. Deployment of innovative clean drinking water supply and wastewater treatment systems.
2. Support livelihoods diversification and ecotourism activities consistently in coordination with government's natural resources management plans.

Thus the project will address the following interlinked development challenges:



Social cohesion



Gender equality



Women's agency



Stability

2. UNDP Project: Sustainable Solutions of Compost Production from Organic Waste in Iraq - Karbala Governorate

Karbala Composting Pilot

- To create a standardized value chain for the waste management in Karbala innovation and technology transfer were be the core action in combination with introduction of financial mechanisms and incentives for communities, SMEs and individual participants involved.
- To ensure sustainability the programme supported the private sector in playing a major role and to be involved in the waste management sector.
- Specifically, the programme supported the construction of a pilot composting facility in Karbala to determine best approaches for producing commercial quantities of compost which will in turn replace chemical fertilizers progressively.
- Based on the lessons learned from the pilot in Karbala Governorate, a national strategy will be developed for upscaling the best practice in other parts of Iraq.



Results contributed to SDGs 1, 3, 9,11,12 and community economic resilience.

3. UNDP Project: Promoting Carbon Reduction Through Energy Efficiency Techniques in Iraq

- to promote low carbon development in Iraq through supporting the design of a regulatory framework for enhancing Energy Efficiency in buildings and the creation of an enabling environment for its operationalization.
- **Reduced electricity consumption has a five-fold benefit:** reduced cost to the user; reduced operational cost to the public utility because of reduced demand; reduced capital costs to the utility because the reduced growth in loads requires less infrastructure development; reduced pollution as a result of power generation; and reduced environmental impact due to extended product lifetime.



Results contributed to SDGs 1, 3, 4, 5, 7, 9, 11, 12

4. UNDP Project:

Improving the healthy nexus between ecosystems and indigenous people of the Mesopotamian Marshes in the face of climate change



To preserve biodiversity and ecosystems in a gender sensitive manner in the face of climate change

The proposed activities aim at contributing to building resilience of local communities to climate change impacts, tackling root causes of biodiversity degradation, and restoring the wildlife population, through and for women empowerment, while bringing co-benefits across poverty reduction, social cohesion, and climate mitigation



Results contributed to SDGs 1, 5, 6, 13, 14, 15



Thank you

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