



Challenges

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About Jordan

The Jordan biodiversity remains exposed to major threats which have led and continue to cause sharp destruction of natural ecosystems and loss of their functions and services, and severe declines in the flora and fauna numbers and distribution, including the threatening and extinction of flagship habitats and species for the terrestrial and aquatic ecosystems.



About

The threats of biodiversity include a set of direct threats and other underlying causes.

The Direct Threats to Biodiversity are:-

1. Habitat Destruction.
2. Invasion of Alien and Exotic Species.
3. Genetic and Living Modified Organisms.
4. Climate Change.
5. The Issue of Refugees

Challenges

- **Habitat Destruction:-**

Uncontrolled urban expansion occurs in the form of deforestation, rangeland degradation, and transformation of forests into agricultural and urban areas, all due to the increase of Jordan's population and industrial development accompanied with inadequate planning and management controls of land and sea.



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The challenge of mining increases in the case of strategic resources and minerals such as water, oil, oil-shale, gold and copper upon which all conservation as well as human well-being agendas and priorities would easily be compromised due to Jordan's pressing economic needs and priorities.

Main Needs

- For that we hope to have sharing knowledge and experience with other in Restoration and Resilience projects especially for forest.

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- **Invasion of Alien and Exotic Species :-**

Introduction of alien species is a major threat to native animal and plant species. Alien species and invasive exotics can become pests by adapting to habitat changes and causing destruction to natural habitats and agricultural areas. On the other hand, feral species, which invaded the country long ago, might affect their wild relatives through competition and interbreeding.

Main Needs

- The case study and analysis for one of invasive alien species is done , it about Acacia where it be occur in impact and it distribute in around countries and Yemen. For that it will be great chance if we can have an project with technology transfer to stopping distribution of Acacia.



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- **Genetic and Living Modified Organisms:-**

The accelerating trend on biotechnology, although foreseen to improve the quality of life and economic development, includes an increasing level of risk on national biodiversity especially in relationship to the transfer and application of Living Modified Organisms (LMOs).

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Jordan, being a center for genetic resources associated with food security at the national –and more importantly– the global levels, needs to address such a potential risk and its consequent threats with the maximum level of caution and readiness in terms. of legislative frameworks, technical and logistical capacities as well as monitoring and inspection.

Main Needs

- It is necessary for Jordan to contribute with other parties whom have success story at these field and it be great chance if we cooperate with other to modify our genetic bank especially we have more than 2600 plant species.

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- **Climate Change :-**

Jordan is vulnerable to climate change, and some features of projected climate change in Jordan include:

- (i) Increase in temperature of 1-2 degrees centigrade by 2030-2050;
- (ii) Increase in evaporation accompanied by soil moisture reduction;
- (iii) Diminished recharge of aquifers and oases, projected shrinkage of grasslands (which extend over 10% of Jordan);
- (iv) and, projected shift of semi-arid rangeland (which extends over 80% of Jordan) to become arid desert.

Main Needs

- Reviewing the National Network of Protected areas and make assessment for management programs which done in facing the climate change issue is very important for Jordan.
- The assessment will be more effective if done in cooperation with international consultant and will be more effective process if share that with countries have same conditions.

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- **The Issue of Refugees:-**

In addition above, 1.5 Million of refugees increase the above challenges, especially if we see at Geographic map, about 95% of refugees located in north area of Jordan, these area is Mediterranean area and include forest ecosystem which are no more than 1% of Jordan area. And it rich of ground and surface water.

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- Refugees issue increase the other challenges with direct increase, in addition that the difficult economic situation at last years push government concern go to change priorities of local budget, which case to have low provisions for most our programs.

Main needs

- Most of refugees located at north region of Jordan where it is Mediterranean area and include forest ecosystem which are no more than 1% of Jordan area. And it rich of ground and surface water.
- 1.5 million will increase the pressure at resource and loss it, for that it is necessary to make assessment of situation and put a plan to keep what still and restoration program for what lost.

A scenic landscape featuring a calm body of water in the foreground, reflecting the surrounding green hills and a clear blue sky. The hills are covered in lush vegetation, and the sky is a uniform, bright blue. In the center of the image, the words "Thank you" are written in a bold, black, italicized font. The overall mood is peaceful and serene.

Thank you