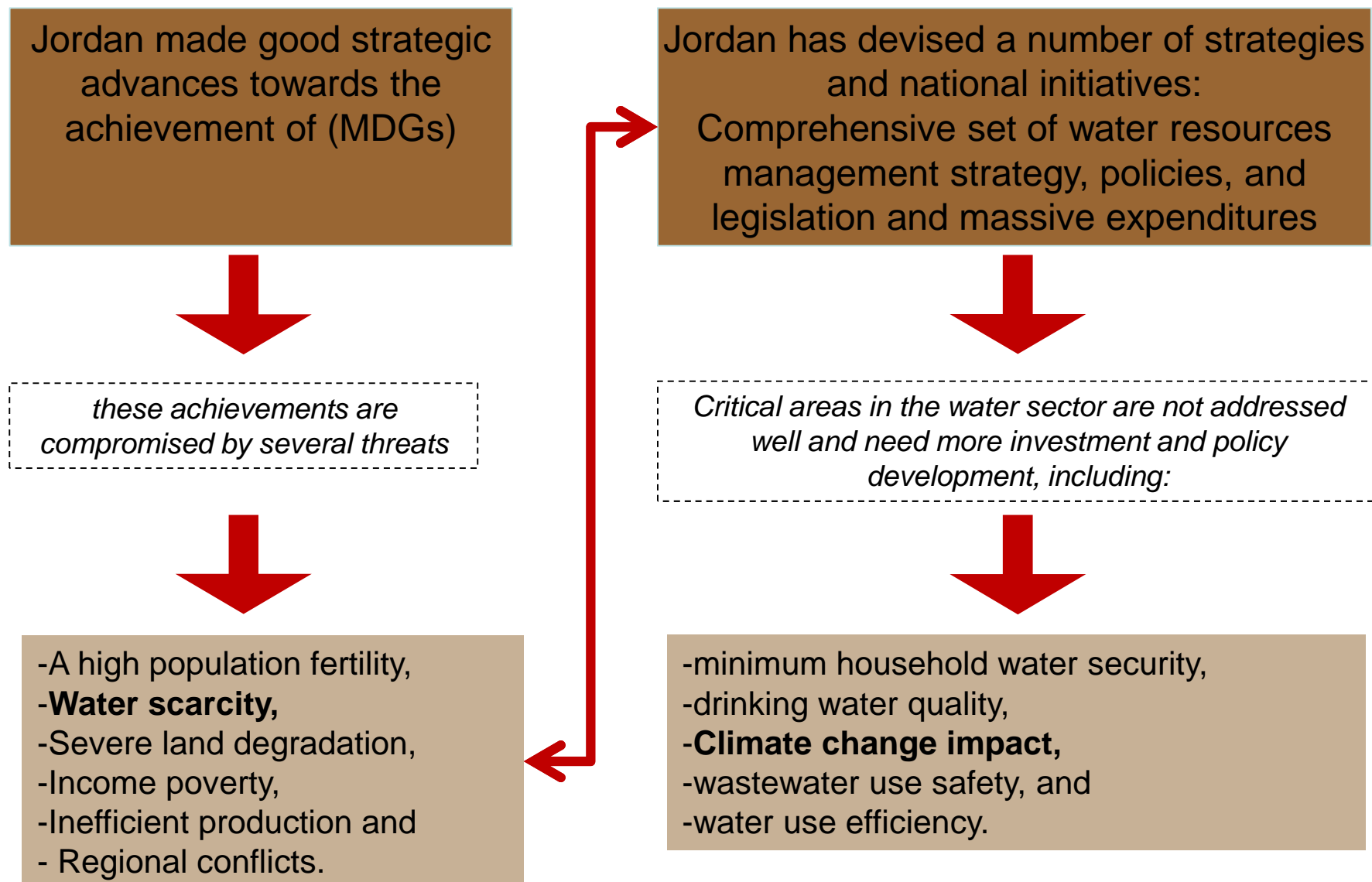


Climate Change Adaptation Under Uncertainty in Developing Countries - JORDAN Case

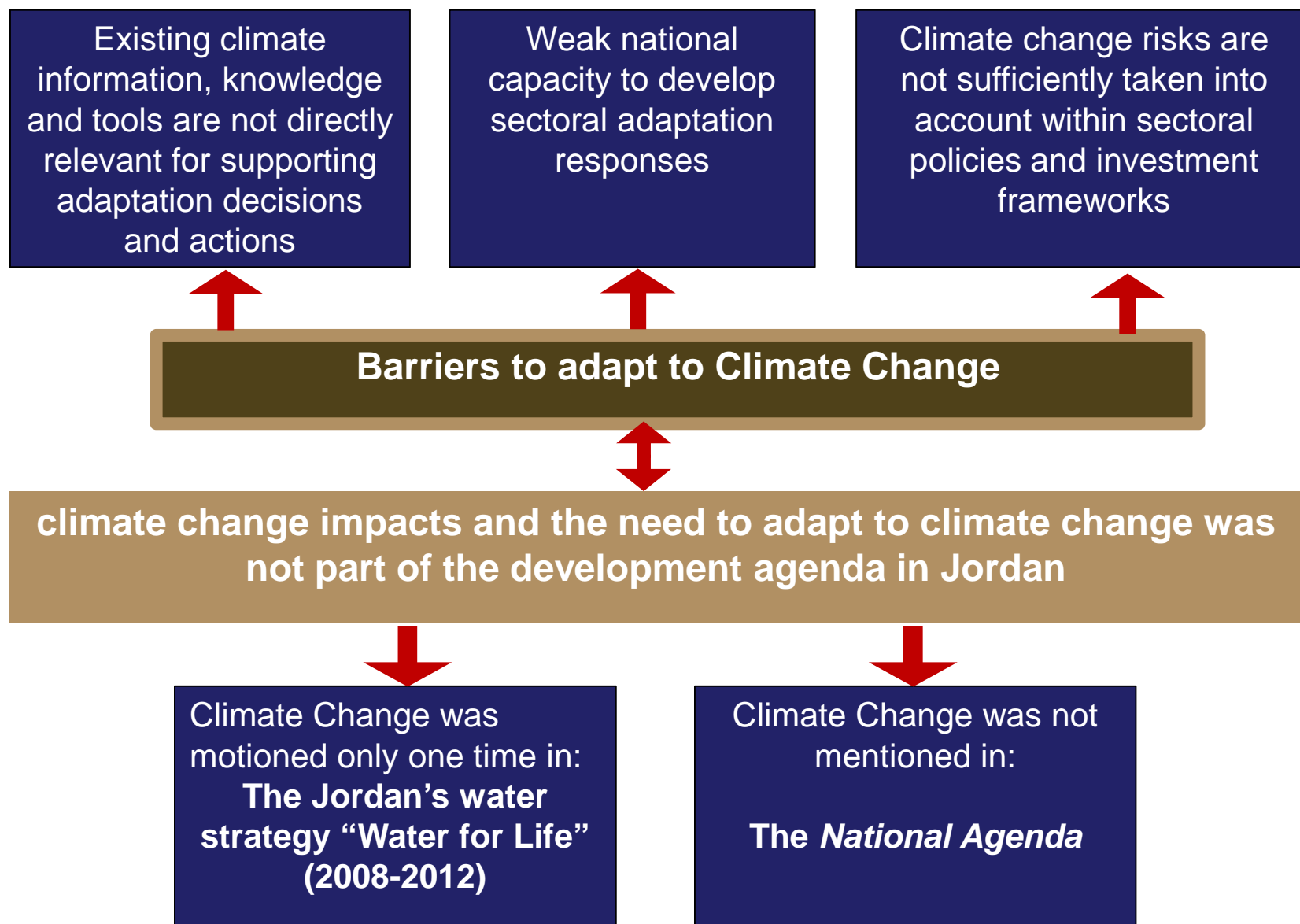
Adaptation to Climate Change to Sustain
Jordan's MDGs Achievements

European Climate Change Adaptation Conference, 2013

Programme Rationale



Programme Rationale



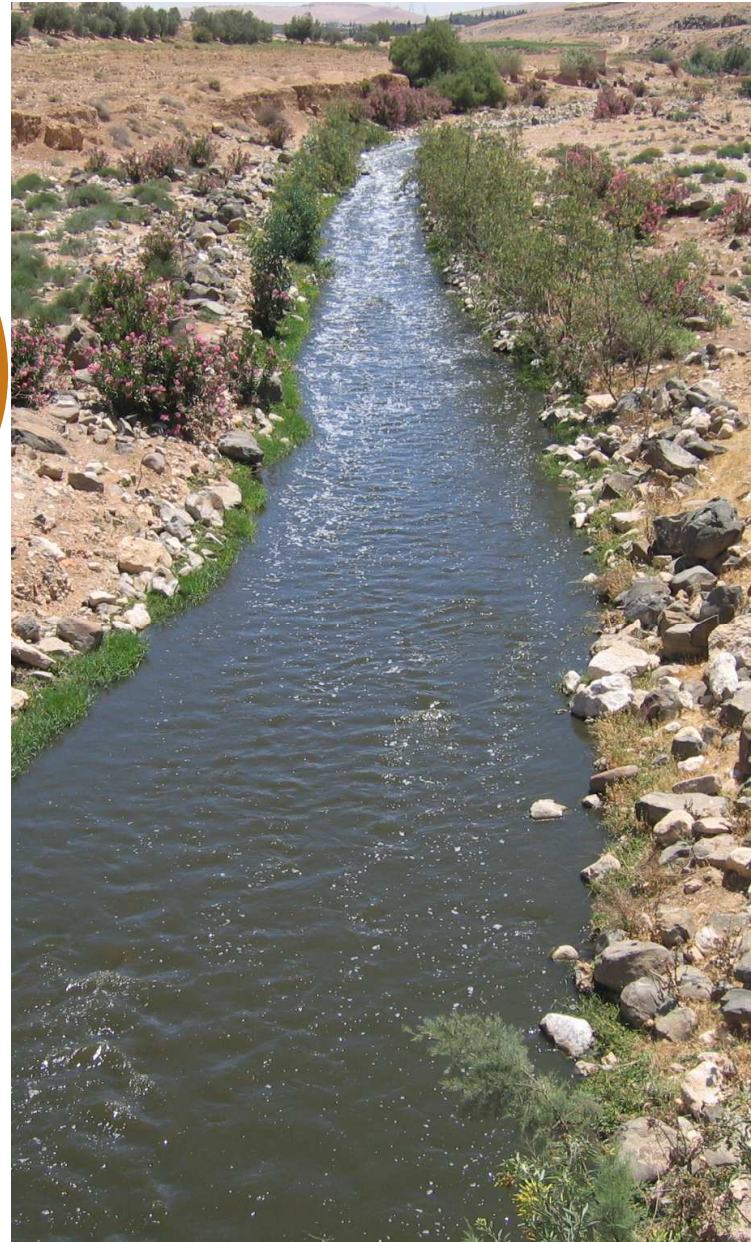
A Response Mechanism to the threats

So, a new initiative has been developed to address climate change adaptation by developing and implementing :

a programme

To:

Enhance the capacity to adapt to climate change by addressing Jordan's long-term adaptation needs.



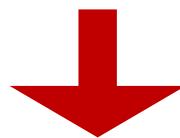
Programme Objective:

Strategy



Seeks to develop Jordan's key government and civil society counterparts' capacity to adapt to climate change threats to health, food security, productivity, and human security under the conditions of severe water scarcity that is expected to be compounded by climate change.

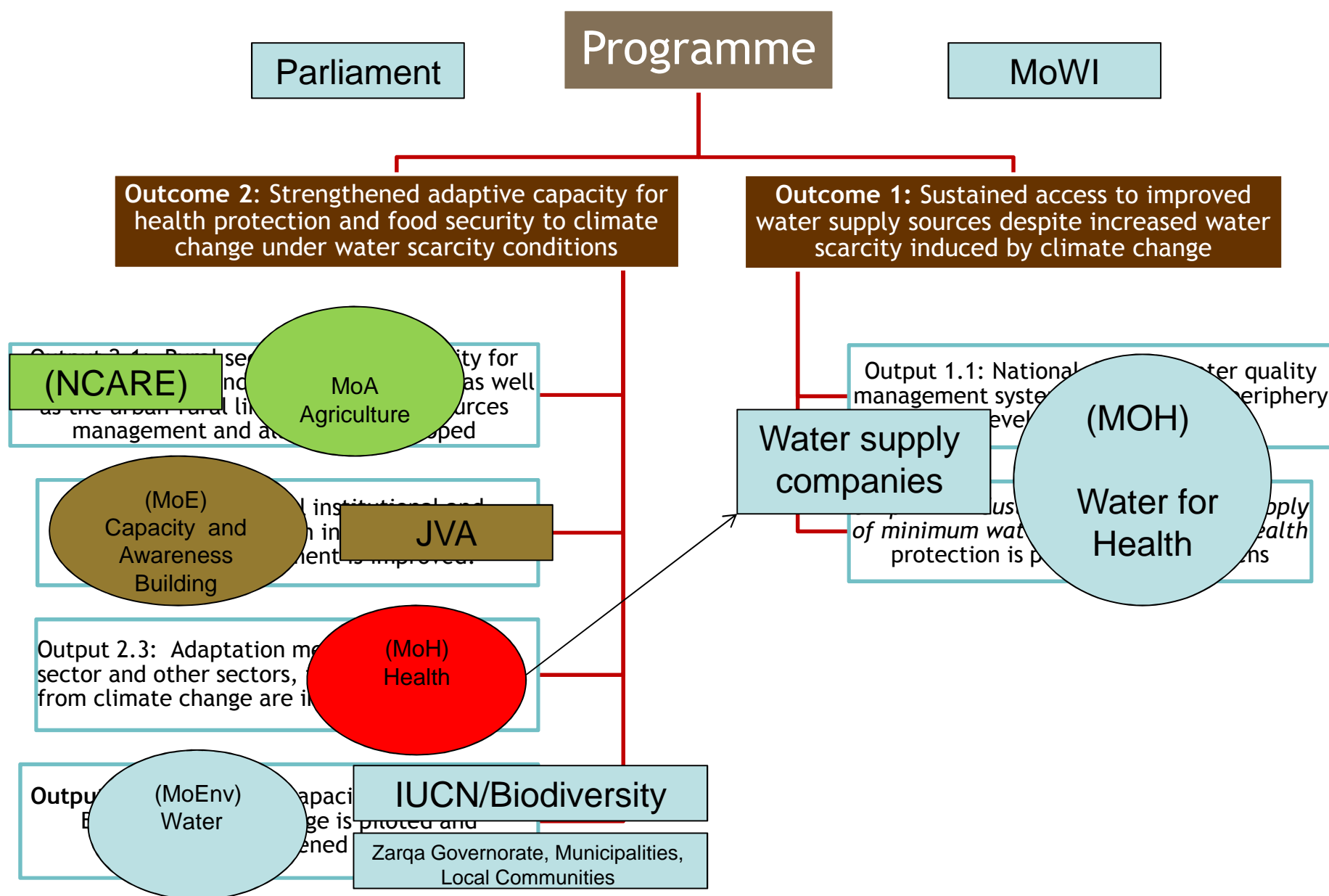
Aim



Play a major role in mainstreaming climate change adaptation strategies in national policy, planning and investment frameworks as a response to climate change impacts on key sectors such as water, agriculture, environment and health.



Programme Components and Partners:



Outcome 1/ Water Safety Plans (WSPs):

Completed the implementation of **Water Safety Plans (WSPs)** in 5 pilot areas.

Conducted a **comprehensive training** programme to develop the capacity of concerned staff

Formalized a **permanent committee** at Miyahuna to coordinate the implementation of WSPs;

Supported the **establishment of a new WSP Division** at MOH

Supported MOH to **create in 2012 a new committee on water quality** surveillance chaired by the Minister of MOH;

The results of the **minimum water requirements** for health protection survey is soon to be made public

Miyahuna is in the process to **issue a policy statement that will include the WSP approach**; the company's Board is reviewing the current draft

Outcome 2/ Conservative Agriculture:

Identification and dissemination of climate resilient techniques and the development of a more resilient and productive wheat variety

Demonstration of a model farm reusing treated wastewater should be completed end of March 2013 and used as training and demonstration center.

Supported the development of practices for conservation agriculture

As a result of this work, NCARE has now integrated climate change into their research programmes on most crops.

The MoA is revising its *National Strategy of Agriculture for the period 2013- 2020* and conservation agriculture will be introduced in the strategy with a focus on resilience to climate change.

Outcome 2/ Capacity Building on Water and Climate Change Adaptation

Training needs assessments (flood risk assessment, groundwater modeling, trans-boundary water resources management, urban water harvesting, etc)

Conducted training programmes have enhanced the capacities of local communities, youths, decision makers and professionals;

Established the International Center for Water and Environmental Research at Al Balqa Applied University providing expertise and research in the area of climate change and its impact.

Supported the establishment of Jordan IHP National Committee mechanism by the Ministry of Water and Irrigation.

The capacity developed through this training was used for the development of the soon-to-be finalized Climate Change Adaptation Policy.

Outcome 2: Building capacity for Health sector to Adapt to CC

Capacities of MOH technical teams were developed

Development of one climate change adaptation strategy for 6 climate-sensitive health areas (6)

These strategies are now being consolidated into one document titled “***National Health Adaptation Strategy and Plans of Action to Protect Health from Climate Change***”, which should be published very soon.

Findings will be incorporated into the National Health Strategy that is being revised (MoH) for the period 2013-2018

6 CC Adaptation
Strategies



4 Projects to
address CC
impacts



24
Projects

- ✓ heat waves,
- ✓ nutrition,
- ✓ water & food-borne disease,
- ✓ vector-borne disease,
- ✓ occupational health,
- ✓ air-borne respiratory disease

- ✓ a nutrition surveillance system,
- ✓ a national awareness strategy on nutrition and climate change,
- ✓ a real-time surveillance
- ✓ evaluation system for heat waves,
- ✓ the establishment of an occupational surveillance system,
- ✓ raise awareness of the public on adaptation measures against ultraviolet rays,
- ✓ the assessment and mapping of areas which have potential effect on respiratory diseases through production of pollen or other allergens, etc).

- The MOH is fully committed in implementing these 24 projects

Outcome 2: Assessment of Climate Change Impacts on Water Availability and Quality in the ZRB:

- Conduct some assessments and studies to accumulate knowledge in this area and identify potential climate change adaptation options:
 - ✓ *“Assessment of Direct and Indirect Impacts of Climate Change Scenarios on Water Availability and Quality in the ZRB”.*
 - ✓ “Assessment of the Impact of Sanitation Management and Farming Practices on Groundwater Resources in the village of Al-Kfair”.
 - ✓ Identify and support the demonstration of small scale wastewater treatment systems in the ZRB.
 - ✓ It includes the implementation of 20 sites/systems (septic + sand filter systems).



Beneficiaries

Beneficiary type	Reached	Type of service or goods delivered	European Climate Change Adaptation Conference
local population and professionals	850: Citizens/Men 450: Citizens/Women	Capacity Building for Climate Adaptation	
Government organization,	35 National Institutions	Support With Environment Laws and Policies	
Academia, and research	35 National Institutions	Capacity Building for Climate Adaptation	
Local governments and NGOs	65 Institutions 65 Local Institutions	Capacity Building for Climate Adaptation Capacity Building for Management of Natural Resources	
Education	45 Schools 45 Schools	Capacity Building for Climate Adaptation Training on Management of Natural Resources	

Unexpected Achievements

The pioneer role of the JP to move the national agenda on climate change adaptation contributed to raising the awareness of decision-makers on climate change impacts

The contribution in the development of the new *National Climate Change Policy*.

The Ministry of Environment created a Directorate on Climate Change

The MOWI has established a Climate Change and Environment Unit.

The revised National Agenda (currently under processing) will include climate change; particularly the findings from the JP in sectors such as agriculture, health, water, and education.



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