



GLOWA & Strategic Water Planning in Jordan

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Jordan



Water management in Jordan



Water
Authority
Jordan



Ministry of
Water and
Irrigation

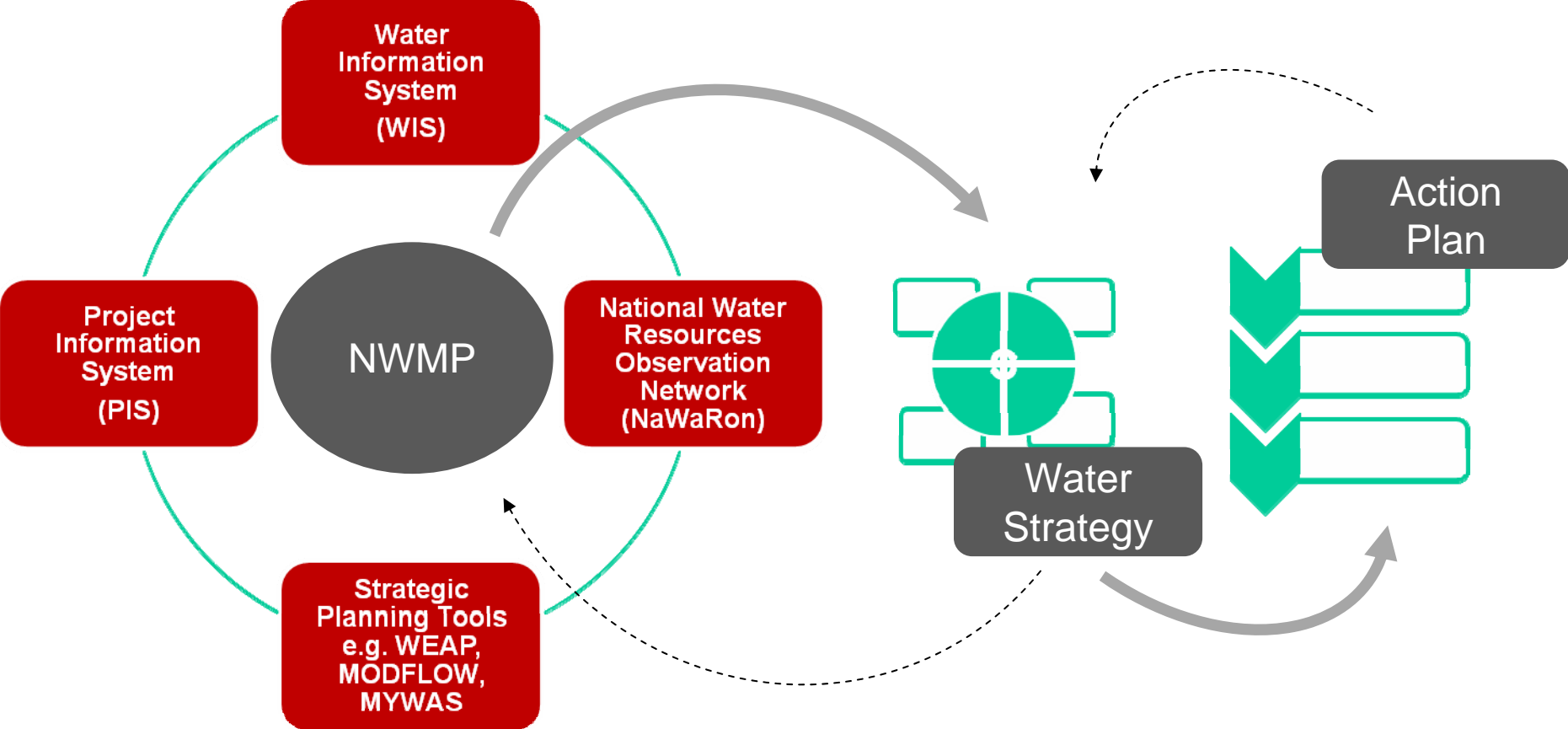


Jordan
Valley
Authority





Strategic Planning Process in MWI





National Water Master Planning Directorate

National Water Master
Planning Directorate

National Water
Master Planning
(NWMP) Unit



Modeling
National Water Master Plan
Knowledge management

Water
Information
System (WIS)
Unit

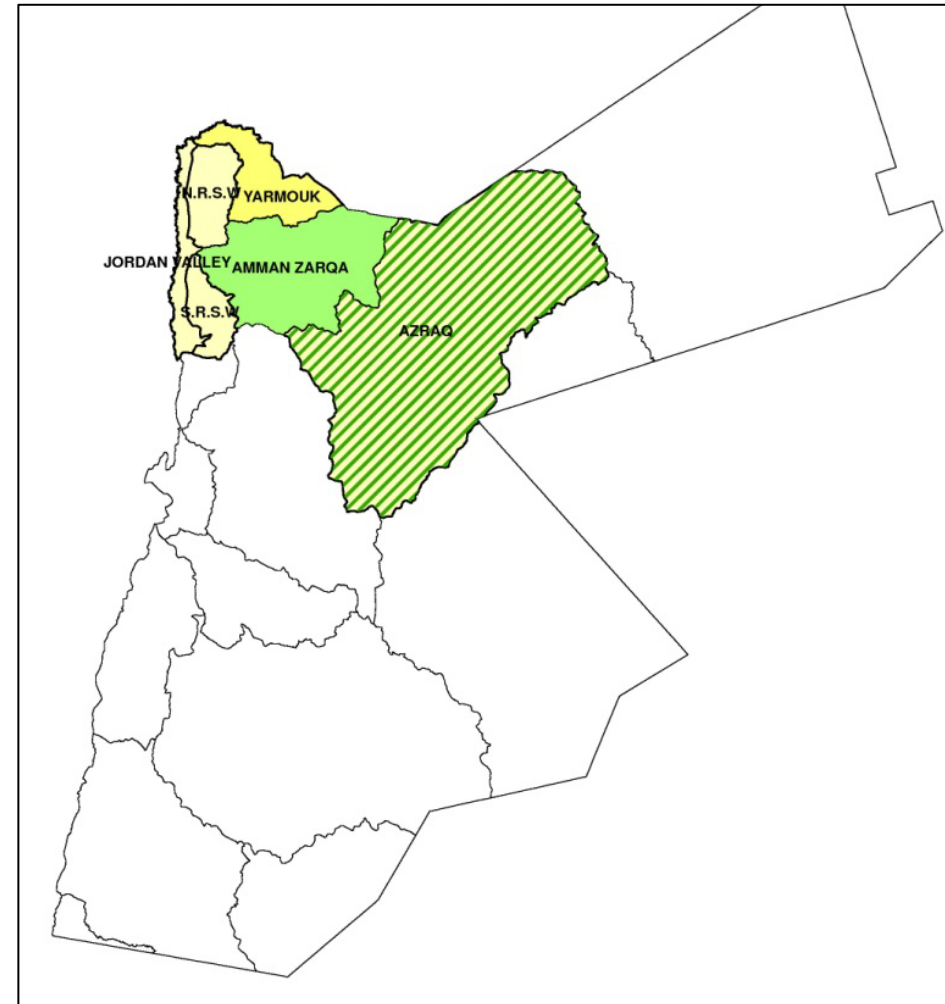


Data collection & dissemination
Supply & demand data
Telemetry network
Water balance/budget



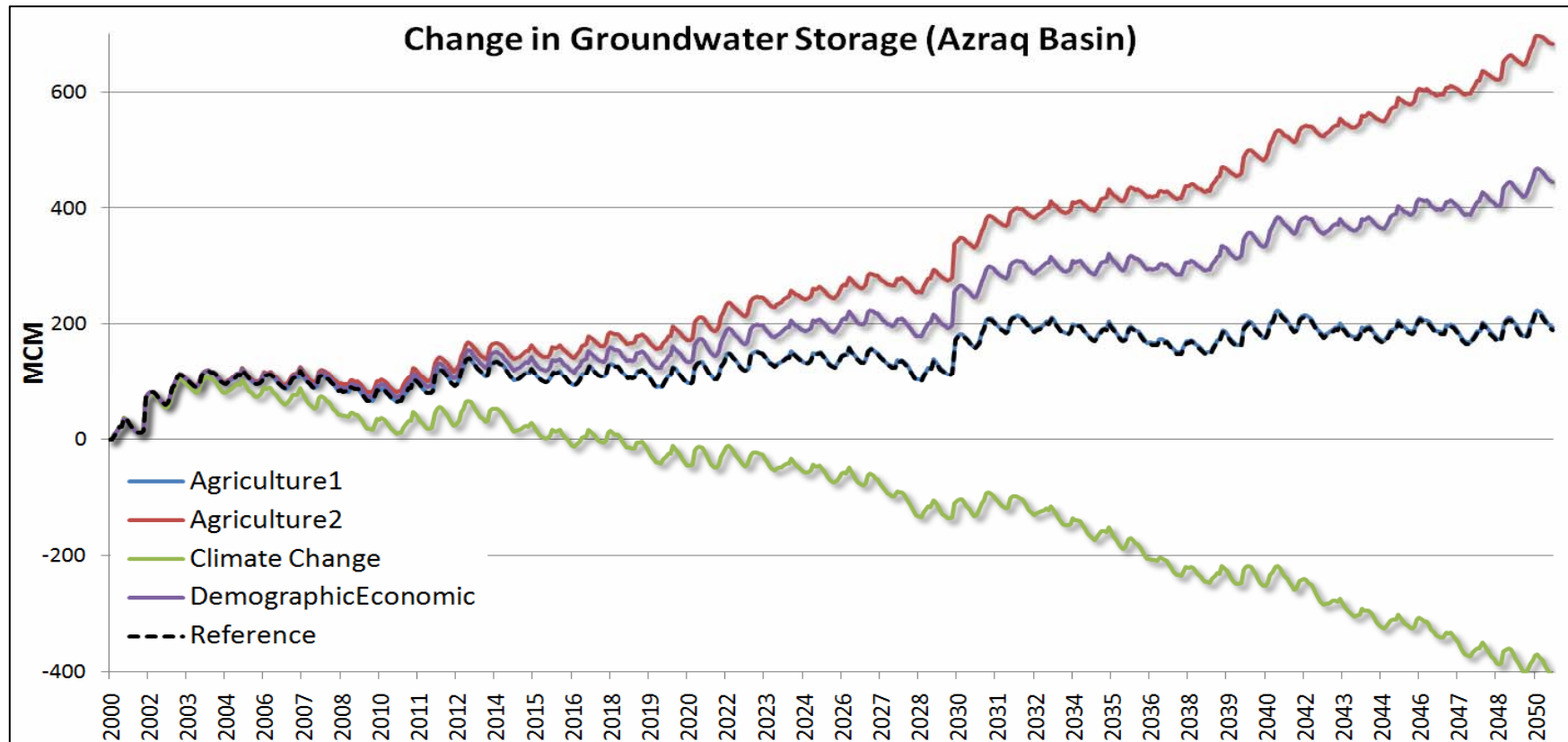
NWMP progress to date

- Azraq, Amman Zarqa, Yarmouk, Jordan Valley complete
- Remaining 11 basins to be completed by Autumn 2011
- MODFLOW Groundwater model of Azraq to be linked to WEAP
- Amman Zarqa MODFLOW to be linked end of year
- Complete first draft of revised NWMP by end of 2011
- WEAP- MYWAS model for Yarmouk started by end 2011



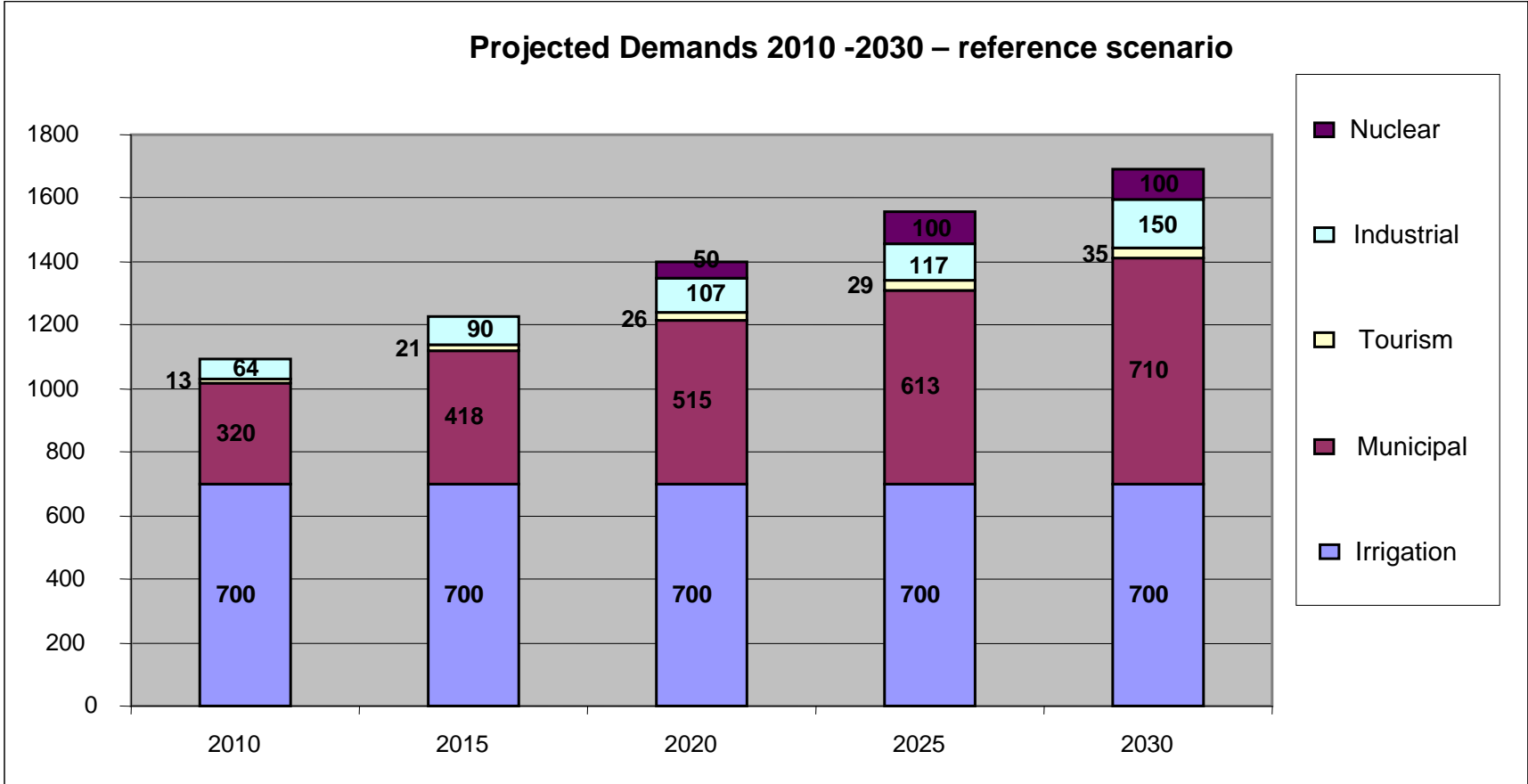


Typical results (1) – basin level



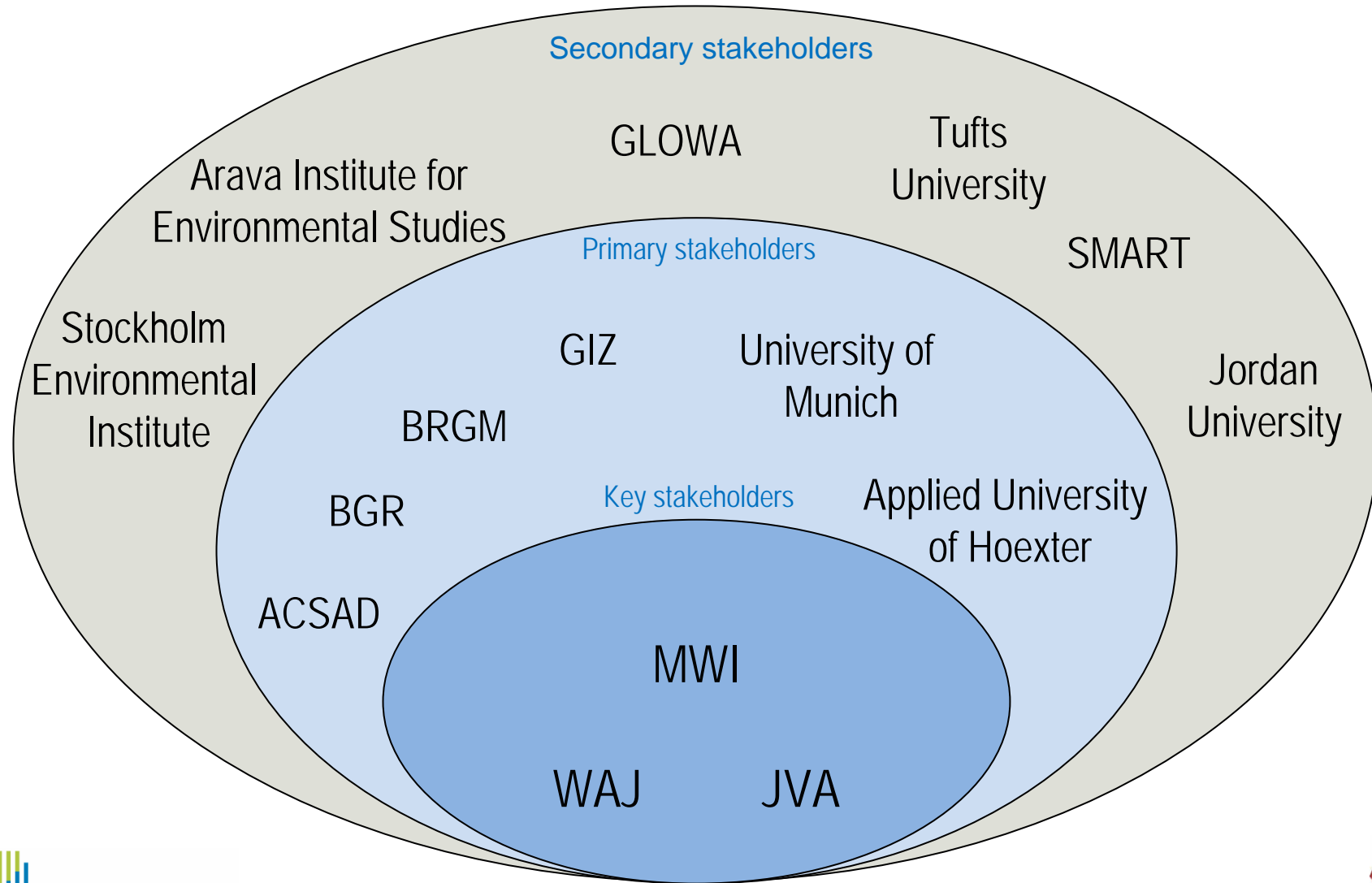


Typical results (2) – national level





Collaborative network



Strategic Water Planning in Jordan



Joint working with GLOWA

- Involved from the beginning
- Provided information to GLOWA project
- Joint training activities
- GLOWA regional models outputs provided to MWI



GLOWA's contribution to the WEAP approach for the NWMP

Data

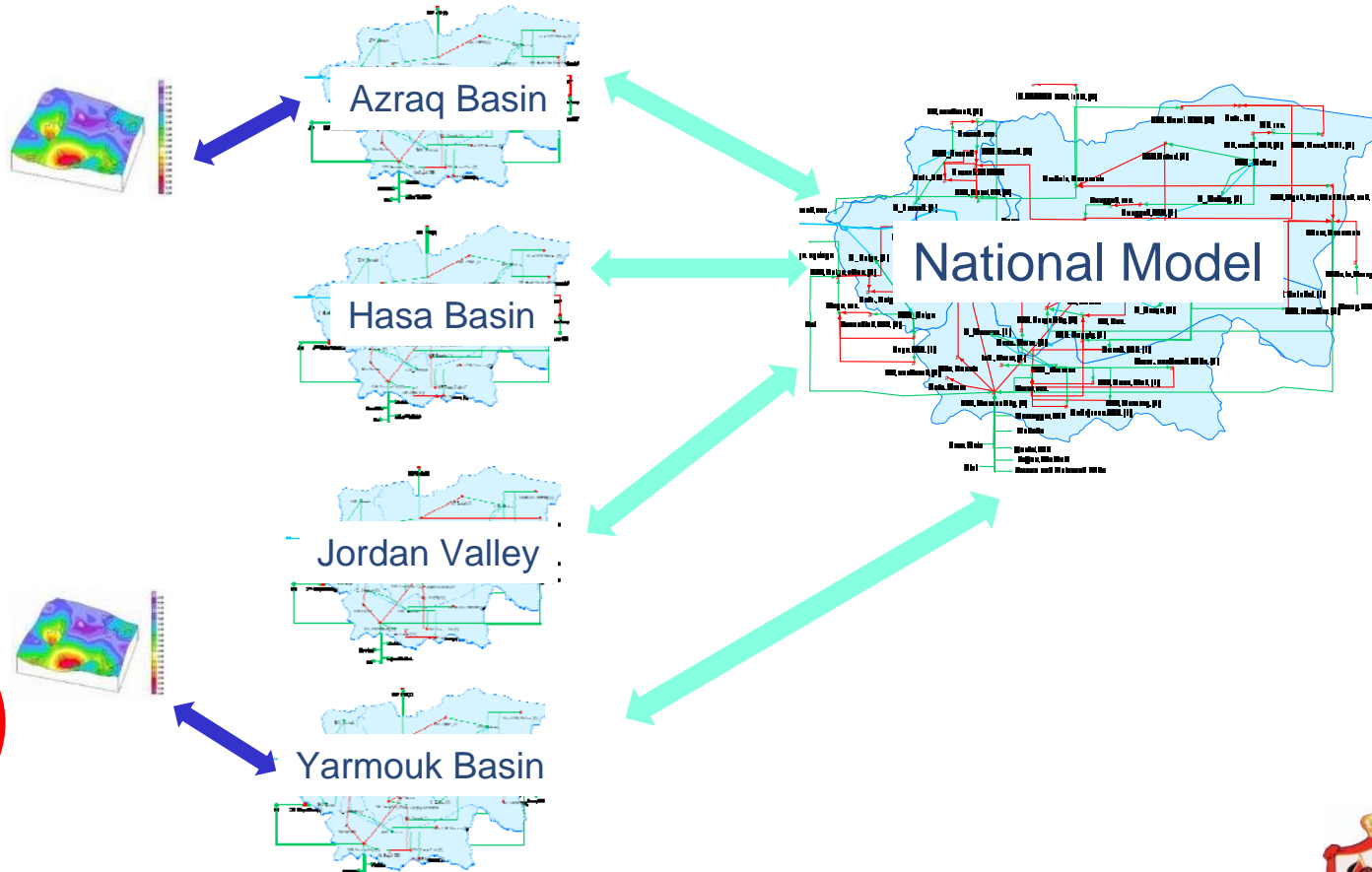
Groundwater basins
MODFLOW

Surface Water basins
WEAP

- WIS
- Telemetry
- WMIS
- IIMS
- **GLOWA**

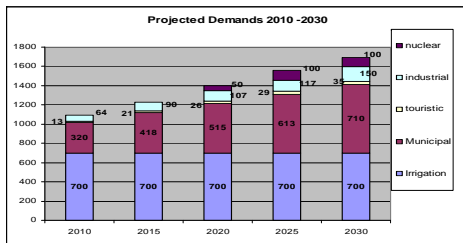
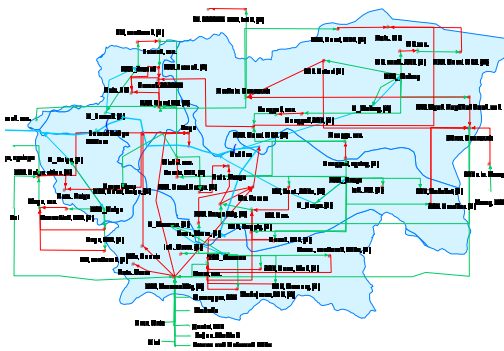


Providing modelling inputs

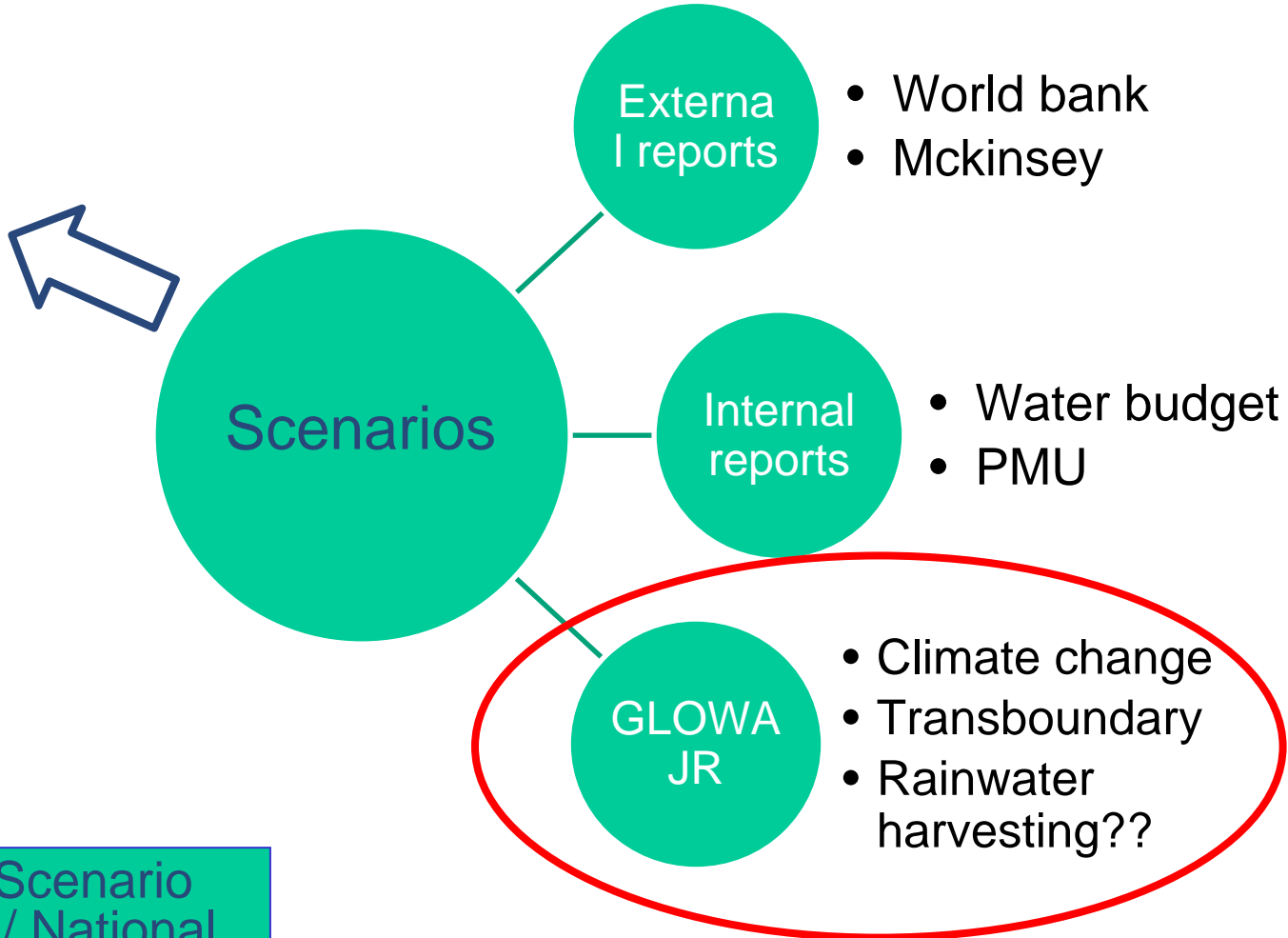


WEAP, MWI & GLOWA

WEAP models



DISC Scenario Library / National Water Master Plan





Decision and Information Support Centre (DISC)

- Web-based Information and Knowledge Management Platform
- Provides link to major internal information for monitoring, management and planning.
- Based on Wiki technology, accessible from MWI internal network

Providing links to GLOWA project outputs

Navigation Reporting Level Data Level Internal Tools Search In other languages

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Decision and Information Support Centre for the Ministry of Water and Irrigation
(Redirected from Main Page)

Amman-Zarka SW > Decision and Information Support Centre for the Ministry of Water and Irrigation > Scenario Library > NWRP/National Water Masterplan > Decision and Information Support Centre for the Ministry of Water and Irrigation

Ministry Water & Irrigation

Information and Reporting Level
National Water Master Plan | Water Strategy | Action Plan | Project Implementation | National Agenda | Sandbox

Data Level
WebGIS Login | WIS Login | WMIS Login | LIMS Login | FIS Login | Telemetric Monitoring Network Log | Scenario Library

Special Projects
Highland Water Forum | BGR | BSRM | GLOWA | SM-AT

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Future developments in partnership with GLOWA

- Countrywide WEAP model
 - Input from transboundary resources
 - Climate change data from GLOWA
 - Providing realistic scenario input data
 - Suggesting new scenarios
- Support for regional WEAP
 - Platform for scientific and managerial discussion and exchange of ideas
 - Joint training?
- Regional climate change research centre??



Thank you for your attention!