پیاپتن راه کارهایی برای نجات تالاب‌های در حال خشک شدن ایران

TOWARDS A SOLUTION FOR IRAN’S DRYING WETLANDS
HAMOUNS
دی ماه ۱۳۹۲ – Jan 2014
Jan 2014 – دی ماه 1392
دریاچه ارومیه

LAKE URMIA
Lake Urmia – Oct 2013

دریاچه ارومیه – آبان 1392
Lake Urmia – Oct 2013

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تجارب موفق بين الملل

Int’l Best Practice
Int’l Best Practice

• Don’t use “drought” or “climate change” for poor water use management

• Reform agriculture to conserve water

• Don’t let water “savings” feed new demand
Int’l Best Practice

• Engage communities

• No cost-free solutions

• Restoration: First pilot – then scale-up

• Operate at the basin scale
KEY RECOMMENDATIONS
For HAMOUNS
Hamouns

Urgent actions:

A3. Share water in a way that will maintain essential ecosystem service

A4. Reduce evaporative losses from Chahnimeh
Hamouns

Medium term:

A.6. Improve trans-boundary cooperation

A7. Adopt an integrated wetland basin management approach
For LAKE URMIA
Lake Urmia

Urgent actions

B5. Mobilize a public campaign to conserve water

B4. Reduce Agriculture water use

B7. Implement Health protection measures
Lake Urmia

Medium term

B9. Prepare a Long-term development vision for the basin

B12. Optimize the water allocation system
برای تالابهای کل کشور

For IRAN
General – Iran

Urgent

C1. Implement a national awareness campaign and programme to conserve water

C3. Build Capacity for ecosystem-based management of wetlands
General – Iran

Medium term

C4: Introduce water pricing

C5: Review and adjust land and water use planning and strategies
Thank you
FULL LIST OF SUMMARIZED RECOMMENDATIONS
HAMOUNS

Urgent Actions (to be implemented within 1-2 years)

A1: Better share and gather information

A2: Clarify, simplify and rationalize Hamoun institutional management arrangements
HAMOUNS

Urgent Actions

A3: Share water in a way that will maintain essential ecosystem services

A4: Reduce evaporative losses from the Chahnimeh reservoirs

A5: Create awareness and provide education
HAMOUNS

Recommended medium-term actions

A6: Improve transboundary cooperation

A7: Adopt an Integrated Wetland Basin Management approach

A8: Increase the efficiency of water use to conserve water
LAKE URMIA

Urgent Actions (to be implemented within 1-2 years)

B1: Strengthen the institutional structure

B2: Update the Integrated Management Plan

B3: Establish a Lake Urmia Sustainability Fund
LAKE URMIA

Urgent Actions

B4: Reduce agricultural water use

B5: Mobilize a public campaign to conserve water

B6: Ecological restoration of (part of) the lake – “embayments”
Urgent Actions

B7: Implement health-protection measures (especially related to salt/dust storms)

B8: Develop a monitoring system on the condition of the basin and the lake
Recommended medium-term actions

B9: Prepare a long-term development vision for the Basin

B10: Continue with water conservation measures

B11: Do not prioritize certain supply-side measures
LAKE URMIA

Recommended medium-term actions

B12: Optimize the water allocation system
IRAN - General

Urgent Actions (to be implemented within 1-2 years)

C1: Implement a national awareness campaign and programme to conserve water

C2: Reform agriculture to conserve water
IRAN - General

Urgent Actions

C3: Build capacity for ecosystem-based management of wetlands
IRAN - General

Recommended medium-term actions

C4: Introduce water pricing

C5: Review and adjust land and water use planning and strategies

C6: Review the national dam construction programme
IRAN - General

Recommended medium-term actions

C7: Make better use of Strategic Environmental Assessments

C8: De-centralise water governance

C9: Develop information and early warning systems
Recommended medium-term actions

C10: Restore dried wetlands

C11: Pursue international best practice approaches to manage trans-boundary basins and wetlands