



Presentation from
**2015 World Water
Week in Stockholm**

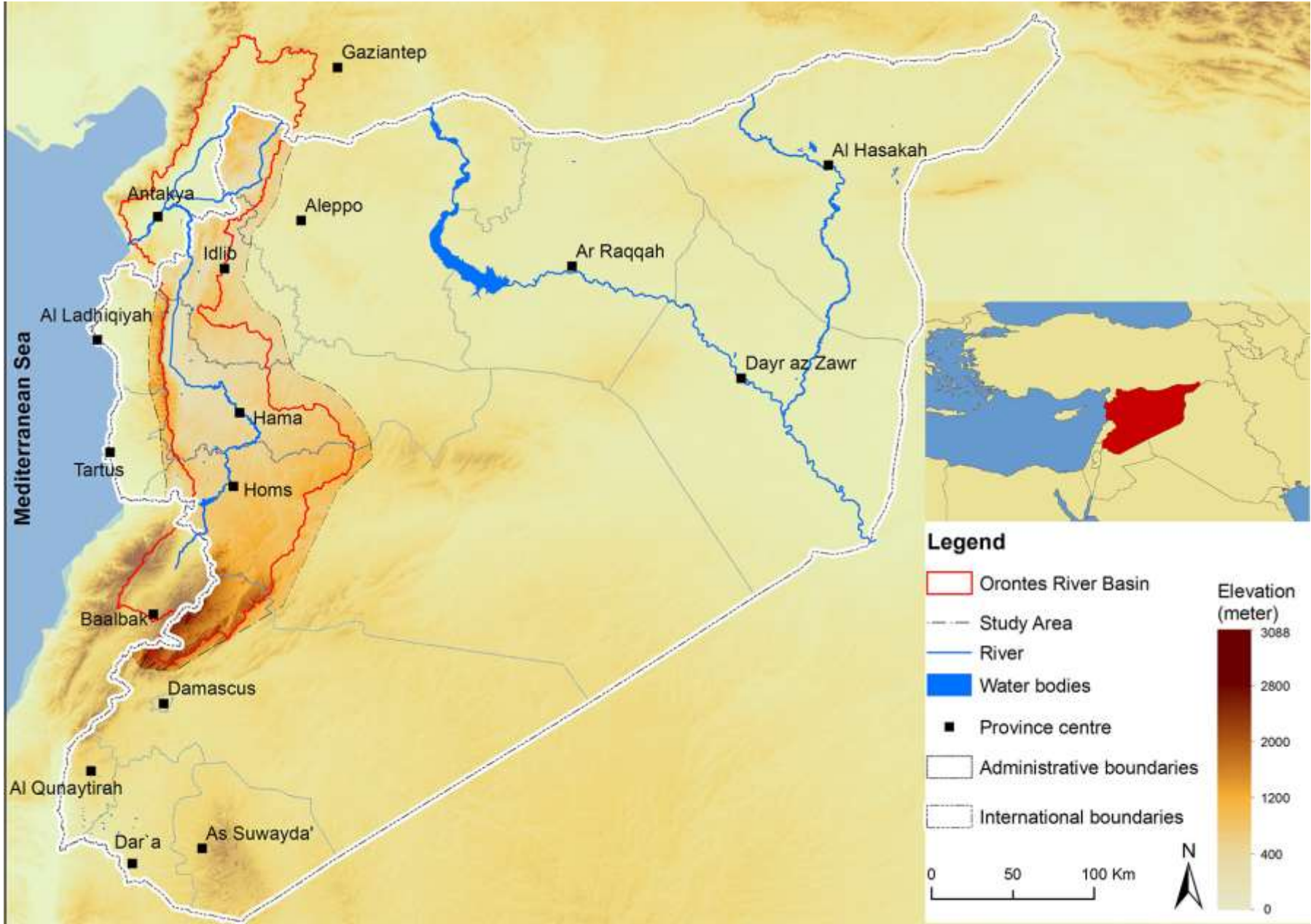
www.worldwaterweek.org

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The Orontes River Basin Water in the Syrian Conflict



The Orontes River Basin



The Orontes River Basin

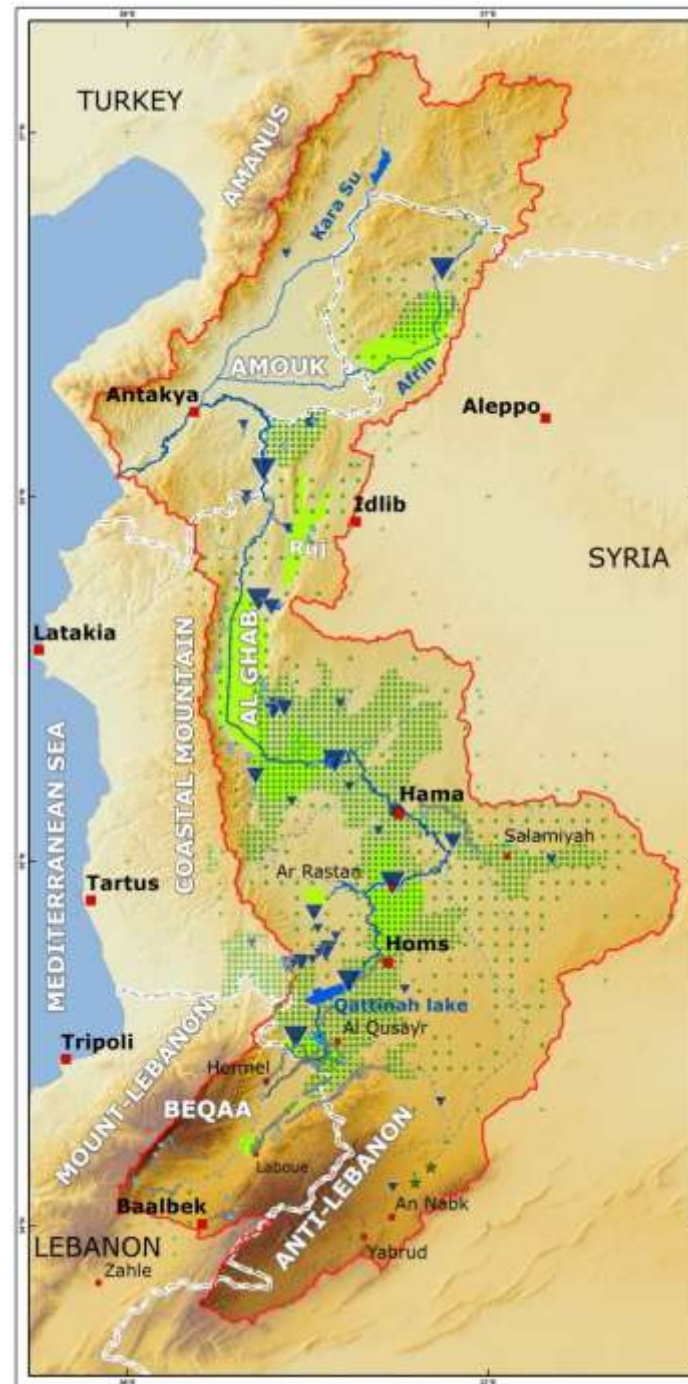
Main Objectives

To produce a multidimensional assessment of water resources and management issues in an historical and spatial perspective

To produce baseline elements for the definition of a water strategy

Partner institutions

Graduate institute of International and Development Studies
Swiss Institute of Technology Lausanne
University of Neuchâtel
University of Lausanne
Center for Advanced Agronomic Mediterranean Studies
Lebanese Agricultural Research Institute
Litani River Authority
MEF University, Istanbul



The Orontes River Basin
Contemporary Water Infrastructures
Lebanon and Syria

Dam storage capacity (in million cubic meter)

- ▼ < 1
- ▼ 1 - 50
- ▼ 50 - 250

Main irrigation schemes

Wells density

- Less than 1 well / 100 ha
- 1 - 5 wells / 100 ha
- 5 - 10 wells / 100 ha
- More than 10 wells / 100 ha

Ancient hydraulic structures still in use

- Canal
- Qanat
- Qanat converted in canal
- Noria
- Watermill

- Orontes stream bed (natural course)
- Orontes stream bed (artificial course)
- Main permanent tributary (natural course)
- Main permanent tributary (artificial course)
- Main temporary tributary (natural course)
- Main permanent tributary (artificial course)

Spring

Water body

Watershed

Province capital

District capital

Others cities

International boundaries

0 20 40 Km



Lebanon and Syria

Research domains

Topography hydrology
Hydrogeology
Climatology
Archeology
Demography
Agriculture and land use
Water infrastructures
Industries
Water pollution
Water management
Policies and institutions
Transboundary issues

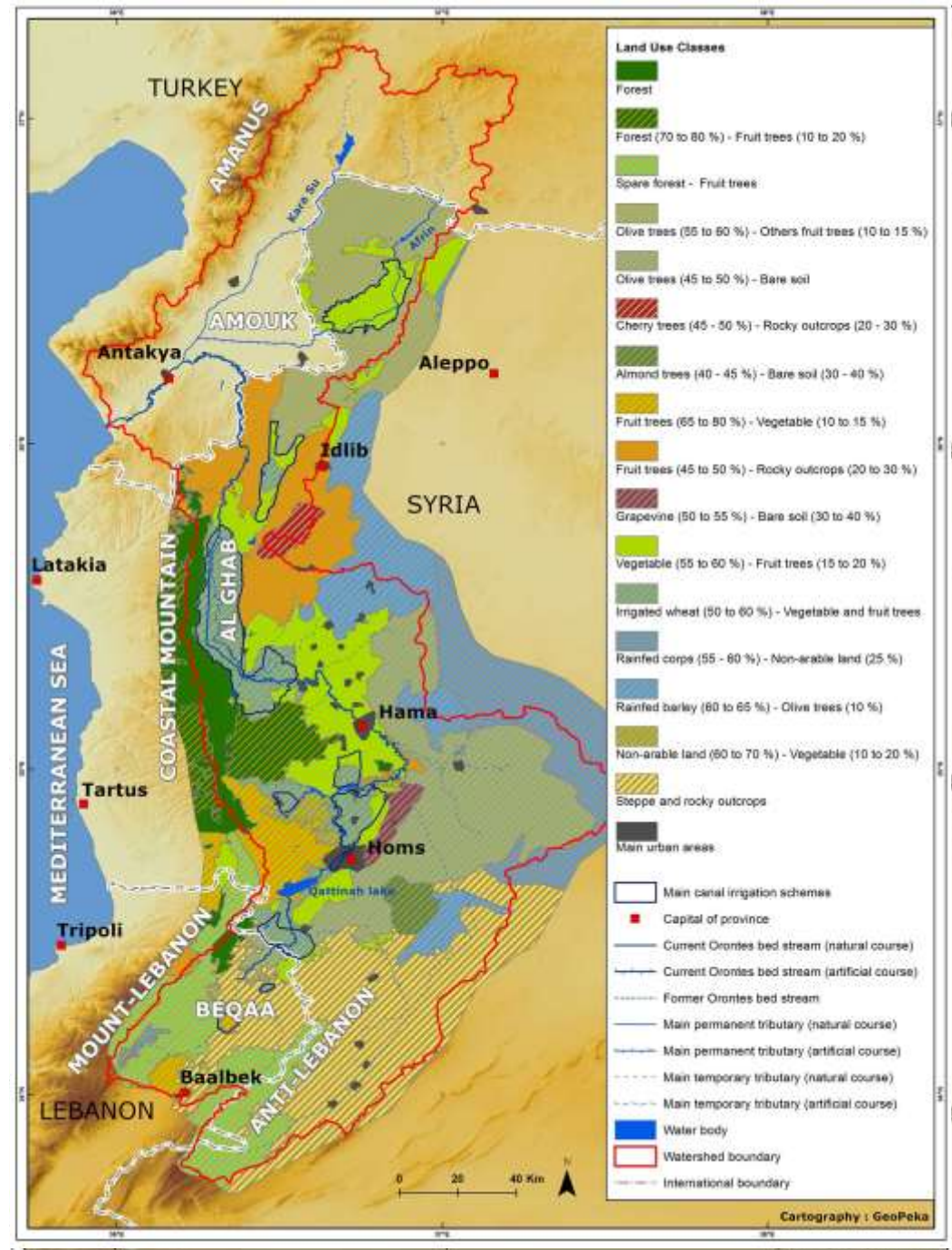
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e **Atlas**
of the Orontes River Basin

www.water-security.org

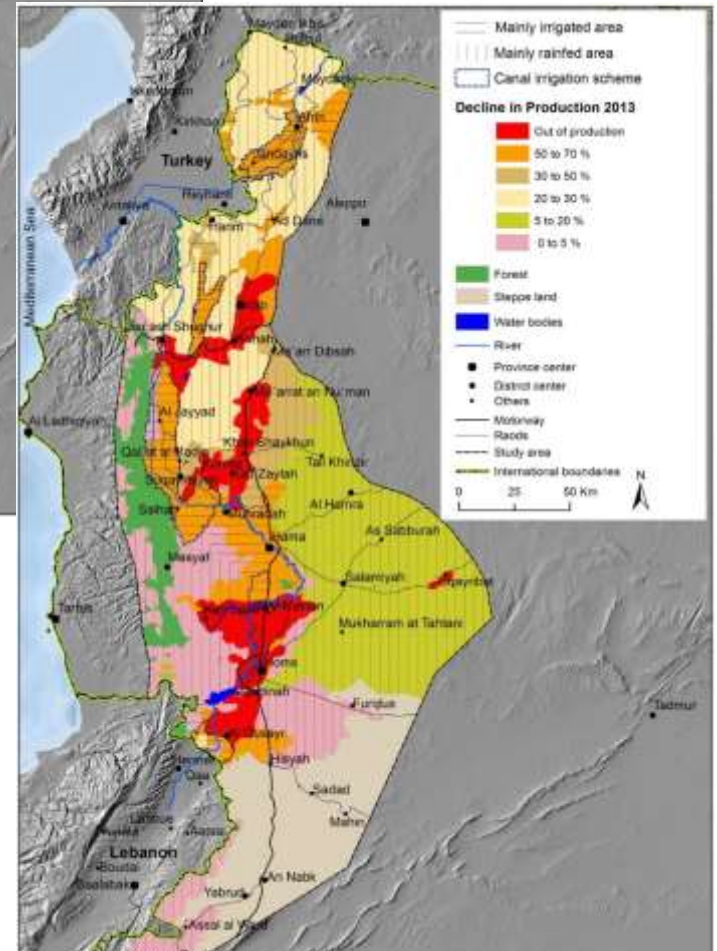
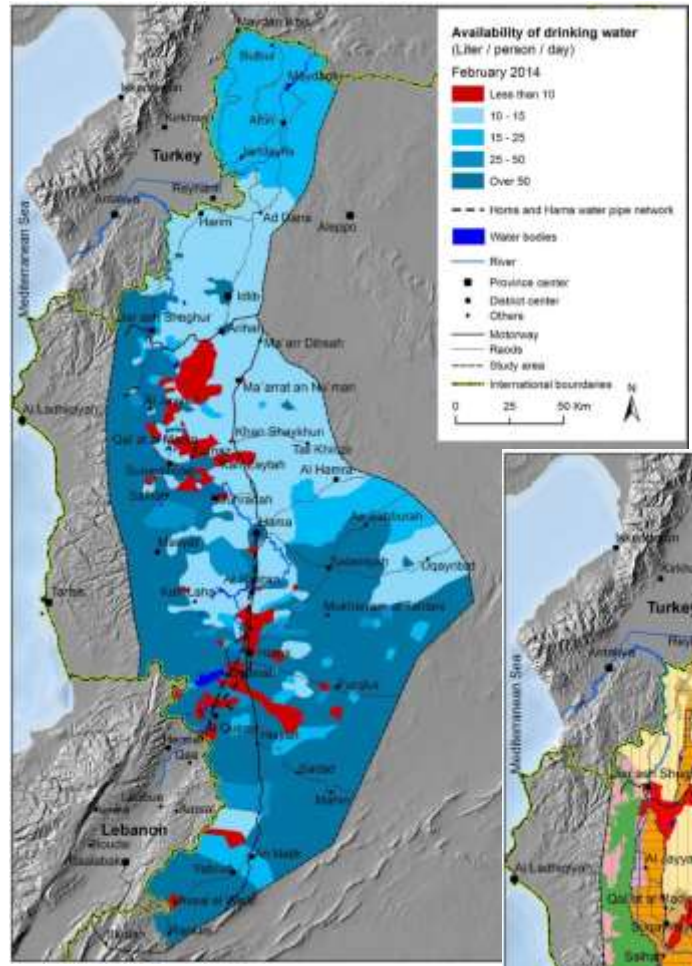


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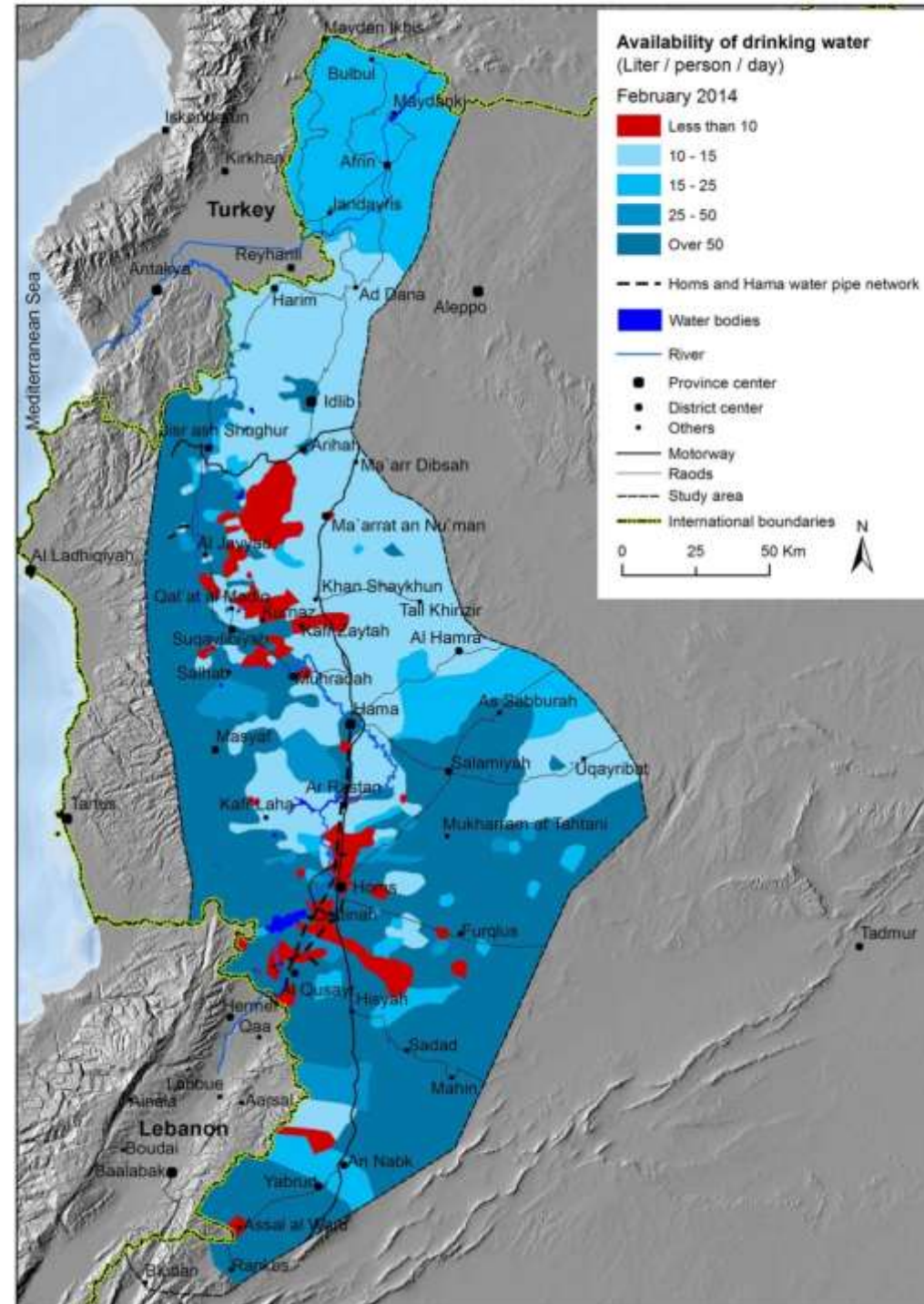


Water in the Syrian Crisis

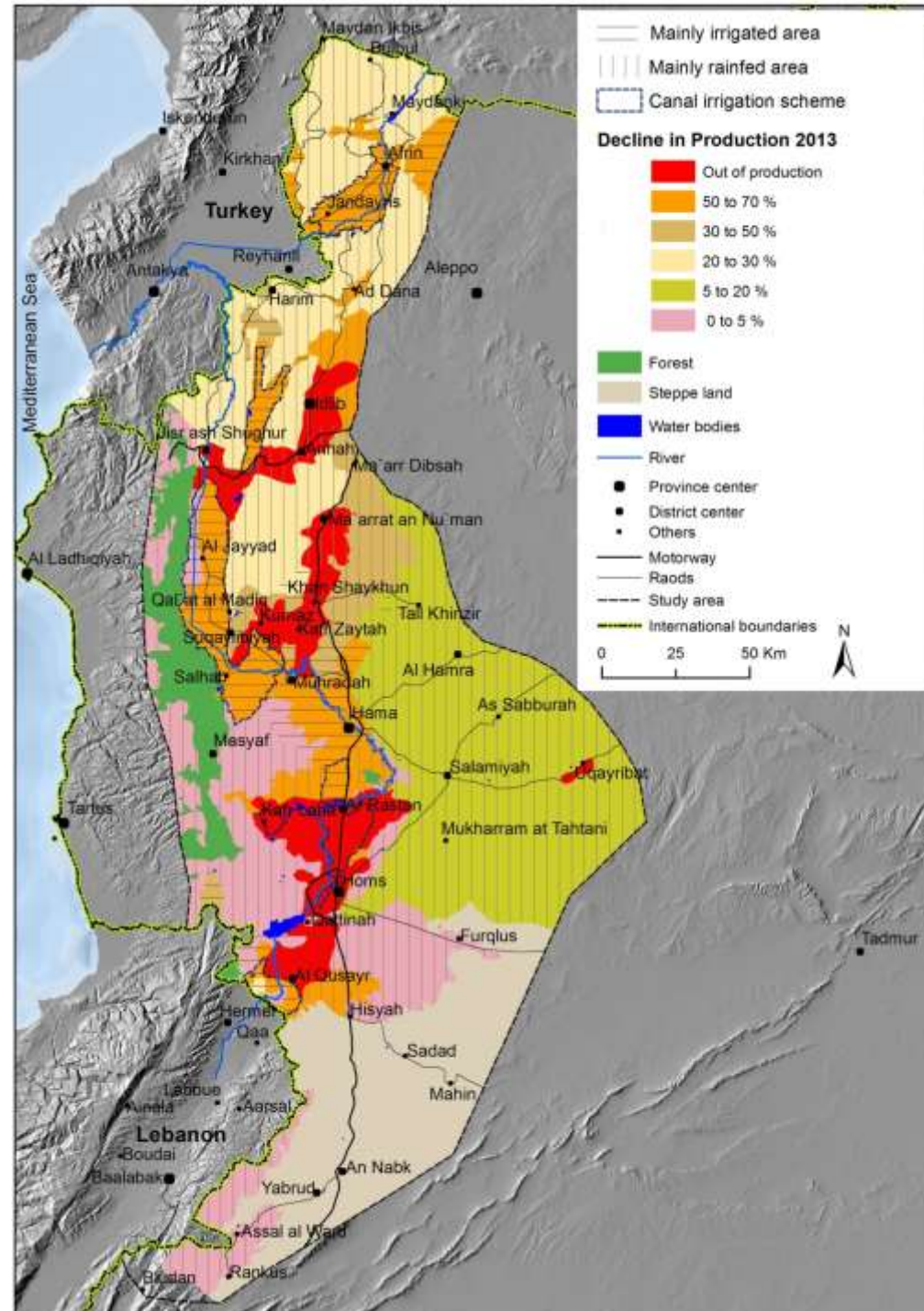
In-conflict humanitarian water aid and post-conflict planning



Access to drinking water

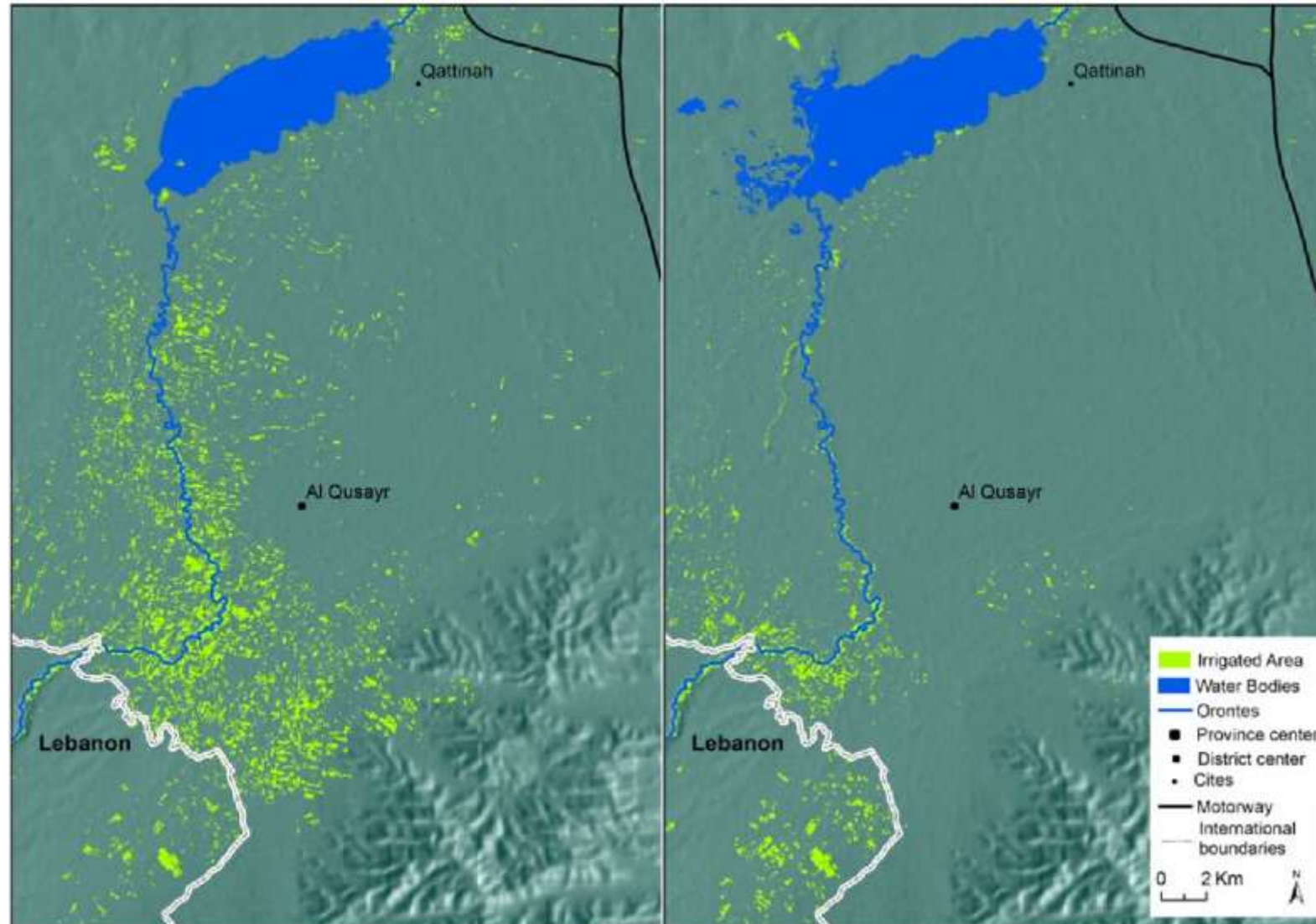


Water for agriculture



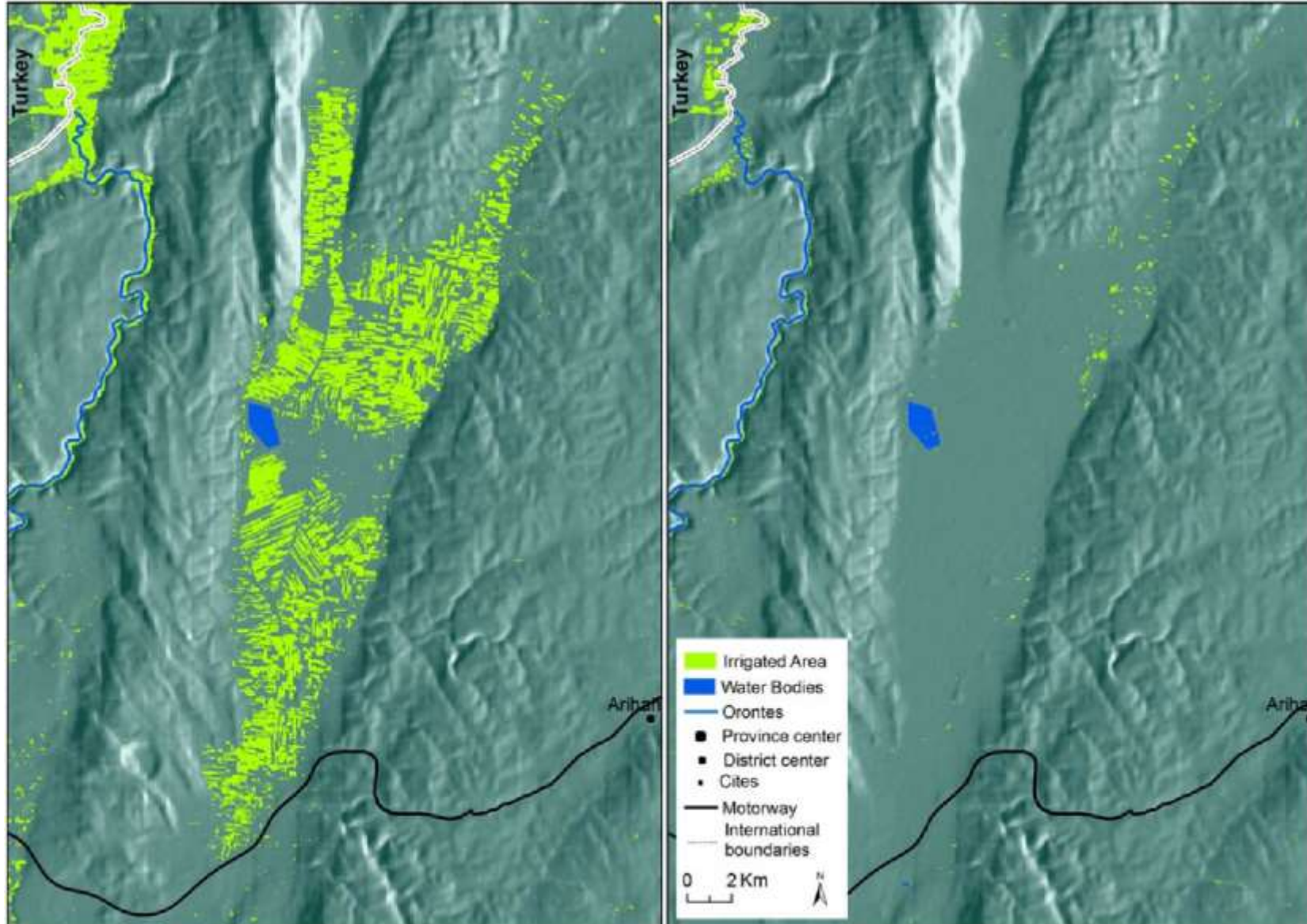
July 2010

July 2013



July 2010

July 2013



Humanitarian needs are increasing and aid is by far insufficient.

Humanitarian aid interventions carried out by international organizations are strongly hindered by a series of obstacles to reach the people in need of assistance.

Syrian Civil Society Organizations are among the most capable bodies to provide support to the population but they receive very little support from international organizations.



Principal objectives

- Strengthen the capacities of Syrian civil society organizations to design and implement humanitarian aid and development assistance projects;
- Contribute to the elaboration by Syrian civil society organizations of humanitarian aid and development assistance projects suitable for submission to the Humanitarian Division of SDC or other donors supporting emergency relief and humanitarian aid in Syria;
- Develop a knowledge base of Syrian civil society organizations active in humanitarian aid, development assistance and/or post conflict planning;
- Provide baseline elements for the design and implementation of a medium term humanitarian aid and development assistance program involving Syrian civil society organizations.