

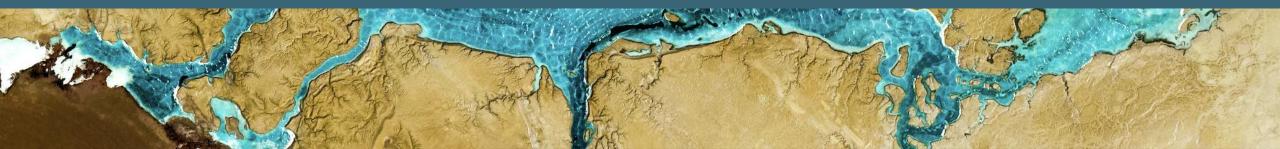


International Conference on Water, Peace and Security: Water as a catalyst for peace and cooperation
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Geopolitical Risk Assessment of Water and Climate in the Tigris-Euphrates Basin: From Transboundary Tensions to Local Vulnerabilities in Iraq and Syria

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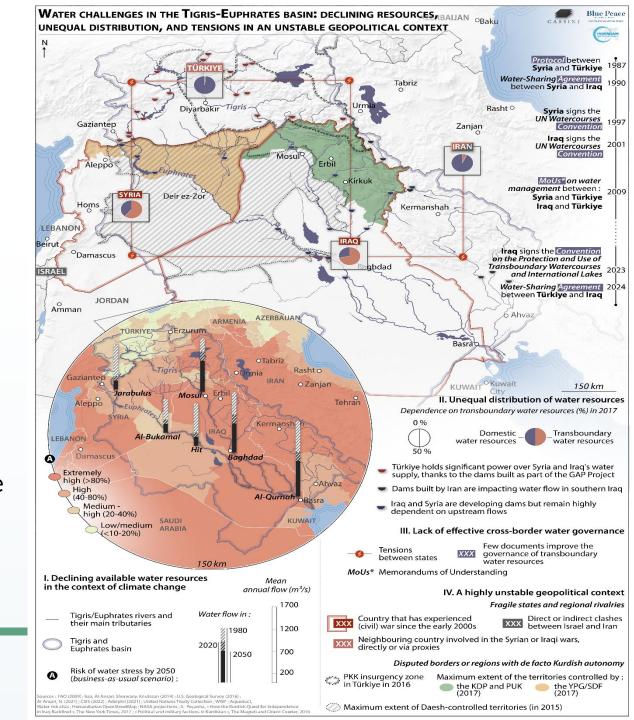


The Defining Challenge: Water Insecurity in the Basin

A Perfect Storm in a **Chronically Unstable Geopolitical Context**

Beyond this backdrop, the basin faces three intensifying pressures:

- Climate Stress (drought and increased volatility)
- **Upstream Interventions** (unilateral developments, reduced downstream flows)
- Fragmented Governance (lack of basin-wide cooperation)
- The Downstream Impact: Iraq and Syria face acute vulnerabilities and chronic scarcity.



Connecting the Dots: A Multiscale Geopolitical Approach



To provide a multiscale geopolitical risk assessment linking regional tensions to local vulnerabilities, commissioned by Première Urgence Internationale (PUI).

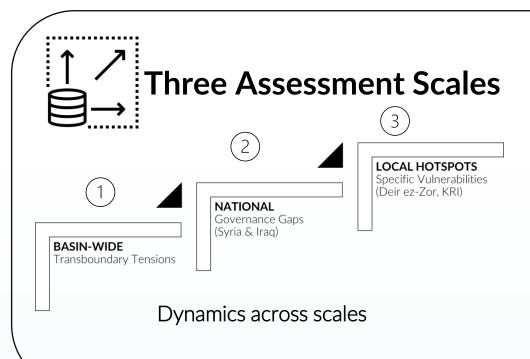








Multiscale Assessment Methodology Diagram





The Analysis Engine

Applied Across All Scales (1, 2, 3)



Stakeholder Consultations (Interviews)

Territorial Diagnostics (Cartographic Analysis)



Geopolitical Reasoning (Actor Mapping and Strategies).



- Roadmap for Donors
- Risk Matrix
- Prioritized Entry Points





Key Finding 1: Regional and National Fragmentation

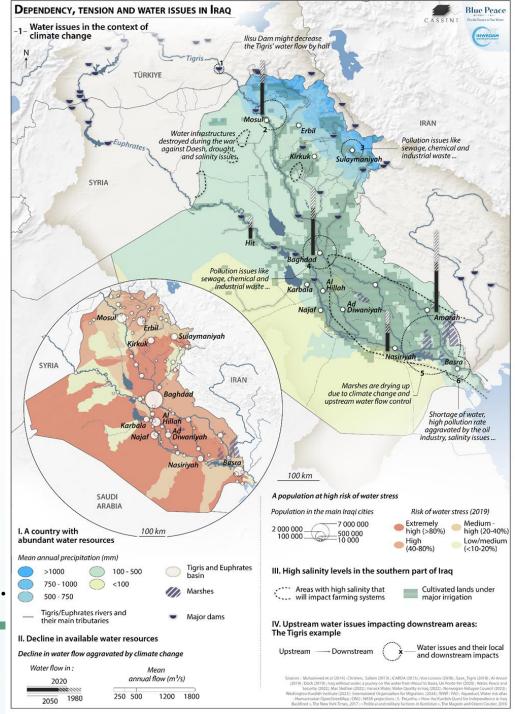
Regional Hydro-tensions:

River flows have declined significantly (up to 40% reduction in Euphrates inflows in specific periods).

Average of water level by month and year of Tabqa Dam in Syria . Source: NES WASH Working Group(a)



- The absence of effective basin-wide cooperation heightens hydropolitical tensions.
- Existing bilateral arrangements are partial and weakly enforced.

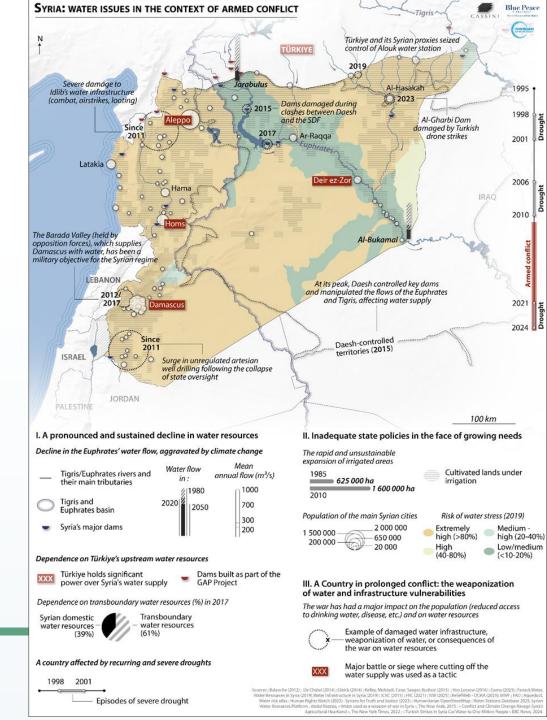


Key Finding 1: Regional and National Fragmentation

National Fragility in Syria:

14 years of conflict have devastated water infrastructure.

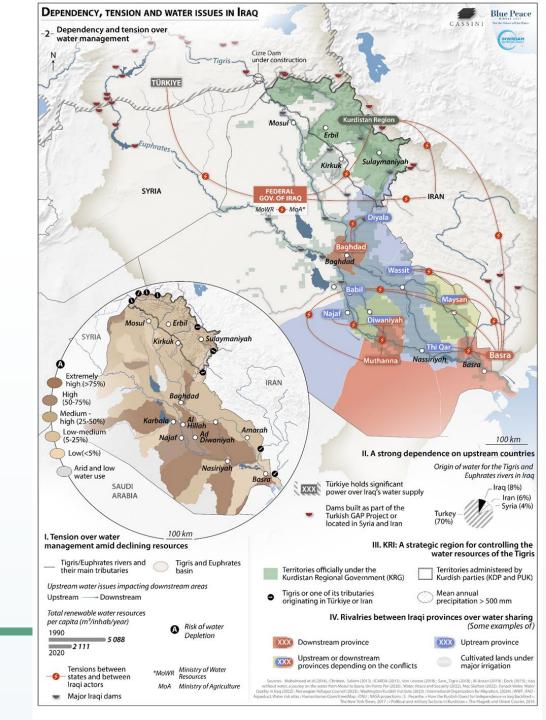
- Approximately two-thirds of treatment plants and half
 of pumping stations are damaged or destroyed.
- Service is undermined by institutional fragmentation and reliance on ad-hoc solutions



Key Finding 1: Regional and National Fragmentation

National Friction in Iraq:

Persistent federal-regional differences between Baghdad and Erbil have hindered the development of a unified water strategy, thereby weakening Iraq's overall climate resilience.

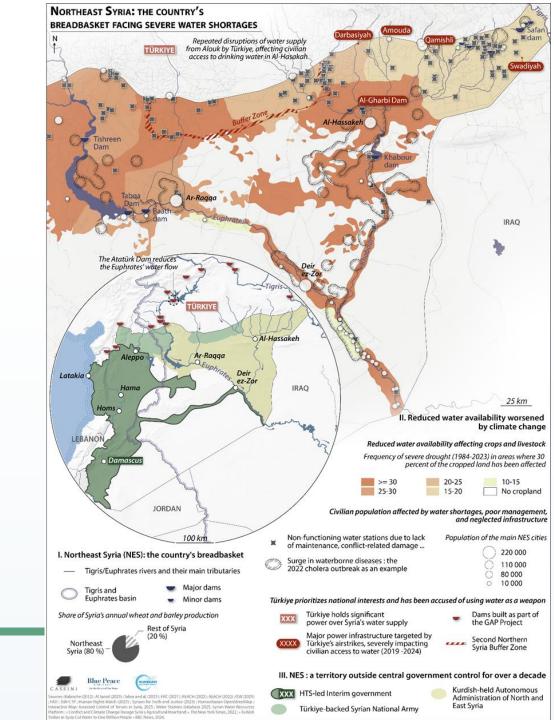


Key Finding 2: Local Hotspots and Vulnerabilities

Local Manifestation: Deir ez-Zor, Syria

Deir ez-Zor Syria Illustrates the acute intersection of public health and water insecurity.

- Faces chronic shortages, infrastructure disruption, and recurrent cholera outbreaks.
- Reliance on unsustainable emergency coping
 mechanisms (trucked water, unregulated wells) is costly.

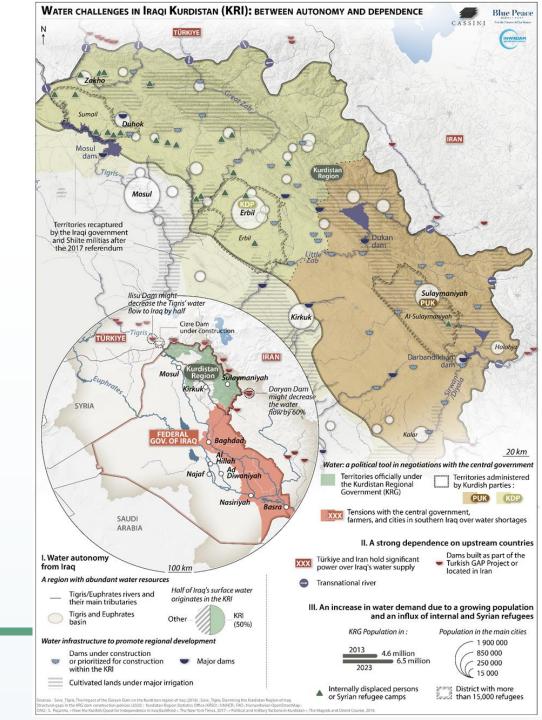


Key Finding 2: Local Hotspots and Vulnerabilities

Local Manifestation: Kurdistan Region of Iraq (KRI):

In Kurdistan Region of Iraq (KRI), competition and environmental stress are driving localized conflict.

- Suffering from sustained groundwater over-extraction and rising competition.
- The presence of displaced populations exacerbates tensions and increases the risk of long-term aquifer depletion



Strategic Priorities:

A Roadmap for Resilience



Near Term:

Stabilize Critical Assets

- Focus on targeted rehabilitation of core assets (treatment plants, pumping stations, irrigation networks).
- Deploy solar pumping and safe wastewater reuse where feasible and promote rainwater harvesting.



Medium Term:

Consolidate Governance & Modernize

- Clarify governance mandates, revitalise monitoring, and enable water-user associations.
- Promote a transition toward drought-resilient crops and reduce reliance on flood irrigation.



Over Time:

Foster Regional Cooperation

Use incremental data-sharing, seasonal coordination, and confidence-building measures.



Strategic Priorities: A Roadmap for Resilience

Core Insights:

- Water scarcity is a geopolitical and governance issue, not just technical.
- Linking territorial diagnostics to policy sequencing provides actionable pathways.
- Framework is replicable across other fragile basins.
- Opportunity: Transforming water stress into regional cooperation.

Water can be a driver of stability, not only a source of conflict.







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