Climate Governance in Relation to Urban Water Management in the Middle East and North Africa

Nesma Hassan University of Waterloo

BACKGROUND

WATER: The region – which is at a very high risk of extreme water events due to climate change including drought and degraded water quality (Abou Rayan & Djebedjian, 2016) – lacks collaboration over water (Eissa & Khalil, 2021). For example, Israel hegemonic control over the Jordan River Basin, making Jordan, Lebanon, Palestine and Syria vulnerable (Shah et al., 2018). Increased water demand coupled with increased human impact put our water sources at risk and call for more effective climate law design and implementation.

CLIMATE CHANGE AND ACTION: There is evidence of climate action in the region, however, it lacks in political will, well-defined responsibilities and long-term visions (Eissa & Khalil, 2021) Interventions are also sometimes short-term, such as desalination solutions which do not address the fundamental drivers of climate change (Shah et al., 2018)

GOVERNANCE: Governments in the region are heavily centralized, with most fiscal and strategic decisions taken at the national level (Edo et al., 2020; Eissa & Khalil, 2021). In most cases, urban water is managed by national or subnational bodies (Edo et al., 2020). Lack of coordination between and within government units (Eissa & Khalil, 2021).

Based on frameworks by Hölscher et al., 2019 and Eissa & Khalil, 2021, as well other literature, propellers of effective climate governance include:

- City-level governance (Anguelovski & Carmin, 2011; Hölscher et al., 2019; van der Heijden, 2019)
- Governance to influence actor-dynamics, rather than to control (Hölscher et al., 2019)
- Multi-level and multi-sectoral collaboration, requiring strong communication and coordination (Eissa & Khalil, 2021; Hölscher et al.,
- Data collection and monitoring; deep understanding of the water-related risks and vulnerabilities (Hölscher et al., 2019).

- There is existing climate action from a few subnational-level governments (Eissa & Khalil, 2021)
- Climate action for SDG 13 is moderately increasing in the region (Sachs et al., 2021)
- Forerunners like Istanbul and Abu Dhabi have decentralized urban water management (Edo et al., 2020)

- Governments have a governance-to-control mindset
- Governments in the region are heavily centralized, allowing minimal autoonmy for local-level units(Eissa & Khalil, 2021)
- Lack of prioritization of climate action (Eissa & Khalil,
- · The region suffers from poor law and policy enforcement (Edo et al., 2020)
- Lack of disaggregated data and deep knowledge around urban water and climate change impacts (Loudyi & Kantoush, 2020; Mourad et al., 2019)
- Regional platforms and relations can be activated for knowledge and technology sharing
- Climate law and policy can be designed to address social and economic development issues (Eissa & Khalil, 2021)
- True decentralization in the region is expected to require a couple of decades (Zaki, 2019)
- Political instability and conflict within the region







RECOMMENDATIONS FOR EFFECTIVE **CLIMATE GOVERNANCE**

PERSPECTIVE SHIFTING

- 1. The role of governance is to facilitate transformation, enable innovation, cope with disruption, and unsettle embedded unsustainable practices
- 2. Climate action is strongly interlinked to social and economic development, as it will specially impact physical aspects such as water usability. This will also require clear and explicit political will for climate law and action

EFFECTIVE IMPLEMENTATION:

Decentralization; defined spheres of government; coordination and communication between and across government levels and units; collaboration with other actors and sectors

REFERENCES