

Transboundary 'hydro-hegemony', ten years later

Jeroen Warner (corresponding author)

Naho Mirumachi

Becca Farnum

Mattia Grandi

Filippo Menga

Mark Zeitoun

Corresponding author details:

Jeroen F Warner, PhD

Associate Professor of Disaster Studies

Wageningen University

Hollandseweg 1

6706 KN WAGENINGEN

The Netherlands

Email jeroenwarner@gmail.com; jeroenwarner@wur.nl

Phone: *(31) 317 485533

Transboundary 'hydro-hegemony', ten years later

Abstract

The article places the theorization and analysis of hydro-hegemony in the context of the scholarship on transboundary water conflict and cooperation. We discuss critiques, developments and debates in this domain over the past 10 years, in particular focusing on the 'London school' contributions, showing how thinking on the theorization and analysis of hydro-hegemony – and hydropolitics – has moved beyond the state-centricity, the tendency to see hegemony as solely negative and the conceptually hegemonic potential of hydro-hegemony itself. Various strands of International Relations theory – Realism, neo-institutionalism, critical theory – have left their mark on the 'school'. Intense interaction between analysts and pragmatic practitioners is also found to invite [or incite!] eclecticism, as well as to promote vibrancy.

Keywords: hydro-hegemony, transboundary water conflict and cooperation, hydropolitics, water wars

Introduction: The Evolution of Hydro-Hegemony Analysis and its Criticisms

Ever since Naff and Matson (2) and Starr and Stoll (3) proclaimed international water wars, violent open conflict over water has preoccupied politicians, journalists and academics. Amidst researchers and scholars, transboundary water conflict potential quickly turned into a ‘numbers game’ (4) seeking to predict war over water with the help of increasingly sophisticated datasets (5,6,7). Allan’s early claim that the water wars thesis was alarmist and unfounded gained grudging acceptance (63). Wolf (9) showed that there has not been a conflict over water only since Nebuchadnezzar sought control over the Mesopotamian Tigris and Euphrates and pointed out the overriding evidence of thousands of water treaties concluded since. The 1990s saw a shift within the scholarship from fears of water wars to upbeat expectations of co-operation between states over water, a ‘reflexive modernisation’ narrative epitomised by Ohlsson and Turton (10). This article examines scholarly trends in the theorisation and analysis of hydro-hegemony against this backdrop.

The London Water Research Group (LWRG or London Group) originated in the University of London’s School of Oriental and African Studies at the turn of the millennium. The core group was largely composed of students and colleagues of Professor John Anthony (Tony) Allan, a key advocate for recognising the central role of politics in water issues, particularly in arid regions. At that time, . The London Group quickly spotted a missing component in mainstream approaches: a robust understanding and deployment of ‘power’ as an analytical tool. To address the gap, they developed the Framework of Hydro-Hegemony¹.

The present contribution sketches developments, critiques, and ways forward beyond hegemonic concepts as seen by representatives from the London Group that launched it. To structure an overview of the debate and to point at next steps in this new domain, the article addresses and accommodates criticism levelled at the theoretical framework and analysis of hydro-hegemony. The article considers three main areas of critique: state centricity and territorial traps (including the role of institutions and the agency of non-hegemons and non-state actors); assumptions of negativity and the immutability of (hydro-)hegemony; and the potential for hydro-hegemony itself to be a hegemonic concept. The development of the theoretical Framework was significant as it challenged the then ideologically dominant school of thought in water resources governance focusing on management.

‘Politics’, the London group argued, was not ‘the problem’ standing in the way of proper water management (1); rather, ignoring the political unduly put some actors at a disadvantage. The Framework of Hydro-Hegemony extended and refined these critiques, emphasising the importance of power in transboundary river basin relations.

The LWRG argued that the trending confidence in ‘cooperation’, even if well-intended, did not necessarily warrant or lead to peaceful and benign outcomes (17). Cooperation may be forced rather than voluntary, sabres may be rattled but not used, and treaties may never go beyond exchange of technical data. Moreover, conflictive relations between states are often not about merely water but instead compounded with other issues such as state legitimacy, personality clashes, access to other resources and historic grievances (the ‘shadow of the past’) (12). Water can act as a convenient, highly visible arena for escalating these issues. Perhaps the most challenging argument put forward by the London Group was that the presence of international organisations and of signatures under a treaty do not guarantee cooperative behaviour (13), and so are not accurately counted as ‘cooperative events’ in quantitative studies. Structural conflict may well underlie these relations and may sporadically come to the surface.

The preliminary conceptual framework laid down by Zeitoun and Warner (14) and its companion piece on counter-hegemony (15) sought to uncover the political context in which water is contested as well as the various strategies and tactics used to secure and control water allocation. Subsequent work utilised power analysis (primarily that of Lukes, a topic we will return to) in order to develop a framework focusing on how conflict and cooperation co-exist, rejecting static dichotomies of conflict or cooperation occurring in river basins (16).

1

□ Warner coined the term ‘hydro-hegemony’ in his 1992 MSc thesis, but only really elaborated on the concept through his interactions with the London group.

These studies brought transboundary water interaction centre stage in analysis, offering an alternative understanding to work simplifying hydropolitical realities as embodying either conflict *or* cooperation (17, 18, 19). This alternative approach enables a better understanding of transboundary water interactions by moving from simplistic, dichotomous claims assuming that ‘the next war will be about water’ or ‘water scarcity leads to peace’ to more fully examining situations characterised by neither militarised conflict nor friendly relations. This does not hold for all basins: some are not conflictive, and even when there is (potential) conflict, water resources may not become politicised (20). But there are plenty of shared watercourses where conflict is seen and simplifications of causal outcomes of water management cannot be made. These basins, the London Group asserts, are best served by analysis that places power asymmetry and hegemony at its core.

Hydro-hegemony analysis did not fall out of thin air. The role of power asymmetries and resistance to power play in transboundary basins had been dealt with before, e.g. in Lowi (21) and Shapland (22). Its more hidden, discreet operation, however, including at the discursive level, was relatively new. Applying different theoretical forms of power to transboundary water analysis was first performed by Marwa Daoudy (88). Building on this, hydro-hegemony analyses looked into the effects of hard and soft power in maintaining the *status quo* of water allocation, frequently referring to Lukes’ (23) three faces of power: decision-making power (the power to ‘win the game’), non-decision-making power (the power to set the agenda), and ideological power (control over discourse) along with derivatives.

For the purposes of this paper, we address critiques of the theorisation and analysis of hydro-hegemony from a variety of sources. The LWRG purposefully borrows from and builds on multiple scholarly traditions and understandings of hegemony, considering both radical and neo-institutional perspectives. Rather than rejecting various critiques out of hand, and all too aware of the problems arising from unquestioned adherence to any school of thought, the London Group has constructively engaged with the critiques while also holding to the crucial belief that power and politics is key to understanding transboundary water arrangements. In showing the hard (infrastructural) and soft power associated with such prescriptions in transboundary water management, hydro-hegemony analysts open up hegemonic concepts for closer scrutiny to see what they *do*. The London Group has always benefited from dialogue between academics and practitioners in its conferences, adopting and engaging with the same discourses it seeks to critique. The London Group, then, is no exception to the policy and practitioner groups under analysis: we ourselves continuously risk getting caught up in hegemonic discourse and practice (see 35). However, our intent is to continue providing alternative perspectives and seek ways of reflecting on and engaging with water management practices in a way that is sensitive to the implications of power asymmetries.

Building on a discussion paper prepared for one of the London Group’s semi-annual international meetings (35), this section considers three primary critiques levelled at the LWRG and Framework of Hydro-Hegemony: issues of state-centricity and the territorial trap of the river basin as the scalar unit; the prevailing conceptualisation of hydro-hegemony as immutable and inherently negative; and the possibility that hydro-hegemony may itself become hegemonic as a concept, drowning out other issues in and approaches to transboundary water interactions. These criticisms challenge the analysis of hydro-hegemony, and by extension much hydropolitical analysis, to be more explicit about its theoretical assumptions and understandings of hegemony. The critiques have helped the notion of power-laden transboundary water interaction advance several steps by addressing common issues in hydropolitics literature, including a narrow understandings of territorial space and simplistic approaches to international political economy.

Issue 1: State-centricity and the Territorial Trap

As Furlong (36) has pointedly noted, much hydropolitical, and indeed hydro-hegemony analysis has fallen prey to the territorial trap – ‘the reification of sovereignty as complete state control over a fixed unit of territorial space; the severing of domestic and foreign politics; and the state as prior to and a container of society’ (37). In the early scholarship on water wars, conflict was tantamount to conflict over (i) river basins, meted out between (ii) sovereign states and conflicts were parsed as (iii) zero-sum. As we will show below, these critiques have been addressed through the development of the hydro-hegemony scholarship.

Most hydro-hegemony analyses have concerned contested river basins, shared by neighbouring states. This

ontology easily reinforces the dominant role of the state as a main and monolithic actor, responsible for and in control of the territorial space of the river. Such an assumption risks missing out the fact that the state's decision do not necessarily represents the interests of all within it (38), and that state control may well be contested. The framework of hydro-hegemony has fallen into this trap in which the river basin was the hegemonic, taken-for-granted scale of analysis, along with scholarship on water governance on Integrated Water Resources Management (IWRM) and stakeholder participation often bound by these same units (28). Usual suspects for hydropolitical analysis have been the transboundary rivers Jordan, Euphrates and Nile, as well as the Orange-Senqu and Mekong. Authors like Lebel et al (39) however showed that the Mekong has plenty ungoverned spaces and counterhegemonic practices, while South Sudan on the Nile and Syria and Iraq on the Euphrates and Tigris are obviously ill-fitting examples of undivided states in control of water representing the population along neatly delineated geographical borders.

Before the theorization of hydro-hegemony, there had been attempts to break through river centrality of the water conflict literature by zooming in on transboundary aquifers (22). Since then, there have been notable exceptions to the river basin focus combining hydro-hegemony analysis: Ferragina and Greco's (40) work on the politics of the Disi aquifer, shared by Jordan and Saudi Arabia, and Messerschmid (41) on the aquifers shared by Israel and Palestine and Gomez (42) on the Guarani aquifer shared by Brazil and its neighbours. Menga (20) focused on the hegemonic politics of the Aral Sea region in Central Asia. However, much of this literature reverts to viewing the role of the state and analysis is bound up in how the state legitimises its actions. While the study of aquifers has opened up scope for analysis, these studies have yet to change fully the fundamental treatment of space and state agency.

Given its focus on the river basin as its original unit of analysis, and its origins in international relations theory, it is no surprise that hydro-hegemony too has been critiqued as state-centric. But while its origins have contributed to the problem, they may also present part of the solution. Hydro-hegemony has from the start been an eclectic theoretical mix, in which different (meta)theoretical strands can easily be identified – and perhaps leveraged to move beyond simplistic understandings of the state or a particular territory. Realism and neo-institutionalism are important directions that are mixed and matched. In Realist thought, hegemonic power is tied to a particular state calling the shots or acting as a 'balancer' in a region or in the world. Neo-institutionalism sees institutional engineering and complex interdependence as ways to overcome hegemony. Critical theory sees a global, neoliberal elite calling the shots though the debate on whether states are handmaidens of business is still unresolved (51a). Hydro-hegemony analysis has evolved along several lines and also sought to take on board critiques of myopic hydropolitics. Varying interpretations of hydro-hegemony, rather than being a limitation to the body of work given the corresponding lack of singular definition, demonstrate disciplinary assumptions in how order, structure and agency are understood. Making use of the interdisciplinarity of hydro-hegemony analysis provides a potential way forward.

Within international relations, the theory of hegemonic stability (52) bestows hegemonic power 'with leadership responsibilities and privileges' (53). Non-hegemony may seek to counterbalance rather than fight hegemonic power to make sure no power becomes overweening. The resulting *de-facto* 'arrangement' between hegemony and non-hegemony brings order and stability. From a Realist perspective, hegemony set the rules of international relations and maintain the status quo in their constellation, while disgruntled actors may oppose the rules or the status quo; Turton and Funke (54) and Daoudy (55) have most clearly represented this Realist strand. While Realism is mostly focused on military power and violent conflict, some Realists consider soft (especially economic) power as well as hard power necessary to be hegemonic. While classical Realists would argue that hegemony is not at work on a basin or regional level but only on the global one, neo-Realists scholars identified regional hegemony in *regional security complexes* (56), a lead notably followed by Turton and Funke (54) after Schulz (57).

By treating states as unitary actors, the state centric approach is 'underpopulated': it risks failing to identify key actors. 'Blackboxing' the state 'takes preferences for granted' and negates the way 'domestic elites' are enmeshed in transnational networks to realise their ambitions (51a). The role of narratives in transboundary networks in cementing or resisting hegemony is a development area in hydrohegemony. While the London group has incorporated critical theory from the start, its rather loose adaptation of neo-Marxist thought has exposed hydro-hegemony to its most trenchant criticism in papers by Selby (58), Davidsen-Harden, Naidoo and Harden (59) and Atkins (60). Selby has even claimed that Zeitoun and Warner (14) 'exclusively' conceptualise HH at the interstate level. While Selby is justified in noting hydro-hegemony analysis is

essentially Realist in crucial aspects of its London-school conception, we contend that it has moved quite a bit beyond that. As hydro-hegemony analysis branched out, state centrality is by no means its key feature.

The state-oriented bias in hydropolitical analysis was further broadened when Sadoff and Grey (43) highlighted direct and indirect environmental services related to rivers. The concept of 'benefit sharing' (44) was reflected in Phillips' Transboundary Water Opportunity analytical model (45). Recent policy and academic debates feature the water-food-energy(-climate change) nexus (46), which address the connections and relative interchangeability of environmental services. The development of these analysis is largely policy-driven, to seek 'improved' water management and avert situations of water scarcity. While such policy debates are indeed part of global hegemonic discourses as mentioned above, they also open up opportunities for scholarship to demonstrate that the water embedded in tradeable (agro-)commodities (as virtual water) or how kinetic hydro-energy can likewise be commoditized and exchanged. The insights from scholarship in turn demonstrate that these policy debates render analysis devoid of politics of the water, its services and as commodity, tending to disregard the disbenefits and externalities of collaboration and would benefit from any form of politics-sensitive analysis, hydro-hegemonic or otherwise (47). A similar example comes from Allouche et al (48), who note that the water-energy-food nexus privileges large structures such as dams, which are known to displace people, foster state influence over the hinterland and more recently objects of 'financialisation' (49)². Allouche et al (48) also observe that the nexus is framed in security terms: an ever expanding menu of (state and human) security concerns imperilling the stable access to resources: water security, food security, energy security and climate security were all considered to be in crisis from 2008. 'Securitisation' (50) bestows special powers, bypassing the political process to legitimise extraordinary measures. The 'securitisation of everything' can then legitimise pre-emptive measures, foregoing a deliberative process based on a unfounded belief in the control predictability of risks (51). While moving away from zero-sum calculations of water issues is helpful, here we caution against depoliticised decision-making, to which analysis of hydro-hegemony scrutinises the discourses and the underpinning power that entrenches thinking that is blind to the creation and effects of dis-benefits and externalities. These issues help move beyond the river basin as the primary unit of analysis in international water issues. The emphasis on trade and big infrastructure legitimised through the water-energy-food nexus also open the door to economic organisations and other actors.

Hydro-hegemony analysis has incorporated an understanding that transnational companies and INGOs are major actors on the global scene. Cascão (15), for one, shows how non-state actors are instrumentalised by domestic elites to further development goals. Warner (61) and Conker (62) highlighted the importance (but have not claimed the dominance) of transboundary private and civil-society actors by the example of the hegemonic politics of the Ilisu Dam on the river Tigris, to which Turkey is upstream. Mirumachi (16) uncovers how the political economy of the basin states propels bilateral and multilateral developments. In this they follow neo-realists, such as Keohane and Rosenau, who have such 'populated' their analytical world with transnational actors, issue regimes, business networks, transnational advocacy groups', terrorist organisations' have become part of decisional authority (51a).

States can seize on the proliferation of MNCs, Hensengerth argues, to increase their power and actively steer networks but require leveraging transboundary networks for this. The logic of government has, in this sense, changed. The construction industry, banks and also global activists are key players in understanding the transboundary politics of dams, while the international political economy of virtual water put the relations between states and markets in agricultural trade centre stage. Public-private elite collusion is identified at the state and global level in global virtual water hydro-hegemony (64). The authors note that only five transnational companies, Archer Daniels Midland, Bunge, Cargill, and Louis Dreyfus and Glencore, or the so-called 'ABCDG', control 80% of global agricultural trade and in so doing the water contained there. Their operations are actively supported and facilitated by national governments. From a recognition that 'issues of power and privilege also dictate communities' access to river basin resources beyond and within states', a distinct scholarship is being built up within the London Group that explores Virtual Water hegemony (e.g. 64; 35). 'Virtual water' is subject to capture through large traders (64), further juxtaposing a divide between those who gain benefits from such global trade system and those who merely deal with disbenefits, detached

² Financialization describes attempts to reduce all value that is exchanged (tangibles or intangibles, future or present promises, etc.) into a financial instrument. According to its critics, financialization reduces any work product or service to an exchangeable financial instrument, like currency, and thus facilitates to trade in these financial instruments, as well as land and water grabbing (65a).

from ways to seek recourse within this global system. This line of analysis has flirted with a systemic ('world systems') approach to hegemony, which put core-periphery economic relations centre stage (65a, b).

The focus on the role of transnational actors has also enabled an engagement with political ecologists (66) to look at the politicised environment (an early forerunner was Turton (67); also (36). Zeitoun *et al.* (68) engage with current ontological debates in the social sciences that explore how the social and the natural coproduce each other in the 'waterscape' drawing on the case of the upper Jordan basin. The waterscapes approach helps to "explore the ways in which flows of water, power and capital converge to produce uneven socio-ecological arrangements over space and time, the particular characteristics of which reflect the power relations that shaped their production (69). Moreover, the interface with political ecology and hydro-hegemony analysis has incited a greater emphasis onto (environmental) justice issues as seen in (70), dealing with the process and outcomes of structural inequality.

Issue 2: Assumptions of Negativity and Immutability of Hegemonic Power Relations

Negativity

Hydro-hegemony scholarship generally presents hegemony as a fact of life (cf. Moffitt 2009), in which actors can only seek to change the nature of hegemony. This may be a problem in some languages and cultures than in others, especially in those where 'hegemony' has such a negative ring. After all, linguistically, hegemony denotes positive leadership qualities, that of a vanguard and guide (*hegemon*). In the original framework of hydro-hegemony, Zeitoun and Warner (14) expressed a reformist rather than revisionist or revolutionary belief in the possibility of positive forms of hegemony, parsed as leadership, reflecting Realist (*Realpolitik*) leanings. In a Realist scenario, benign hegemons promote transboundary cooperation, taking on the burdens of a hegemon in contributing disproportionately to infrastructure and diplomacy that maintain stability of a mostly uncontested transboundary water arrangement. However, in contrast, empirical insights are limited on positive cases of hegemony in hydro-hegemony scholarship (35): critical scholarship tends to focus on hegemony when it has gone wrong. There is ample scope to research not only 'bad' leaders and destructive uses of hegemonic power (bullying) but also positive case studies (visionary leadership) (see also 71). Students of hydro-politics have expended rather less energy on the question why some, if not most, non-hegemons choose to follow the pattern set by the hydro-hegemon, whether inspired by opportunism or defeatism. In this regard Haugaard and Lentner (72) point at 'strategic cooperation'. Positive hegemony would be a hegemonic order from which all riparians would benefit: a plus-sum rather than a zero- or negative sum outcome. Past work of the London School sheds light on how compliance is often a resultant outcome in situations of power asymmetry (18). Integrative strategies can be seen in the efforts at demonstrating in international fora a normative role of the leadership [cite TBWI 2]. However, this is highly contested. An example is the role of the Republic of South Africa in its hydro-political constellation. While Turton and Funke (54) identify South Africa as a benign hegemon, promoting the 'common good', Furlong (36) arrives at the opposite conclusion from a political ecology perspective, claiming South Africa promoting harmful neoliberalism. Sebastian & Warner (73) do not go that far, but claim South Africa may well be involved in a 'water grabbing' strategy. Integrative strategies can be seen in the efforts at demonstrating in international fora a normative role of the leadership [cite TBWI 2]. However, this is highly contested. An example is the role of the Republic of South Africa in its hydro-political constellation. While Turton and Funke (54) identify South Africa as a benign hegemon, promoting the 'common good', Furlong (36) arrives at the opposite conclusion from a political ecology perspective, claiming South Africa promoting harmful neoliberalism. Sebastian & Warner (73) do not go that far, but claim South Africa may well be involved in a 'water grabbing' strate

A Stockholm Water Week Session organised in 2006 by the London Group found that neither hegemons nor non-hegemons (seen from the Israeli or Jordanian perspectives, respectively) are necessarily pleased with their label. Their self-image or preferred public image may be quite different. While the object of study doesn't need to identify with how analysts see them, it should give pause for thought to the analyst about more sophisticated labelling. It also reinforces and legitimises the multiplicity of definitions of 'hegemon' and 'hydro-hegemon'. There is not one approach to or understanding of hegemony. Within international relations, different schools of thought conceptualise it differently. Moving past the bounds of IR scholarship, other disciplines and non-academics also use the idea in a variety of ways. Rather than advocating for one particular approach as 'correct', the London Water Research Group seeks to call attention to these different uses and learn from each.

Immutability

While hydro-hegemony may seem determinant in transboundary water politics, it is certainly not a concrete state of affairs. The case of the Nile River Basin demonstrates how the downstream hegemonic position of a country like Egypt can change after attempts at resisting and challenging the status quo. Moreover, Turkish hegemony in the Tigris-Euphrates river basin is incomplete and subject to what Sumer (74) calls 'corrosive forces'. A systematically contested hegemonic project, he implies, may not be seen as a 'perfect' hegemony, while the Government of Turkey also did not resort to systematic coercion and capture (see also 62).

However, hydro-hegemony analysis has attempted to explain how non-hegemons may resist hegemons (e.g. 15). Given the remarkable durability of power relations on rivers over time, the potential of counterhegemonic agency of non-hegemons has perhaps not been given enough credence as pointed out in the case of Ethiopia by Tawfik (75) and in the case of Bangladesh by Thomas (#).

This is a useful point as material power dynamics may change, while at the discursive level states may actively choose to redefine their status through a new set of strategies and tactics. Cooperation may be intentionally declared as a strategic alternative to open conflict. Or a state may choose to develop cooperation in parallel with conflict, in which case 'the different sides' divergent interests – their respective goals, intentions and guiding principles – are not laid to rest, but merely change their form' (41). Turkey and Syria have been in a process of appeasement since 2001, and Syria even in 2008 declared that 'we have always been friends'. This signified a move opposite from the Nilotic turn of events, where the negation of any conflict used to be the norm set by Egypt, and veiled consent became open standoff (19).

Hydro-hegemony is thus not and should not be considered inevitable or unchangeable. The potential of hydro-hegemony to be intentionally impacted by various actors was discussed further in the most recent of the London Water Research Group's publications. "Transboundary water interaction III: contest and compliance" examines and theorises counter-hegemonic strategies in what may otherwise be stagnant relations.

Issue 3: Hydro-Hegemony and Hegemonic Concepts

As neo-Gramscians argue, hegemony is different from dominance. Crucial to this is the manufacture of 'common sense' and their spread in key positions in society – or, at a basin scale, in the political constellation governing shared waters. This notion has roots in thinking of Italian power theorists such as Mosca and Gramsci. While Mosca (24), in his doctrine of the 'political class' explained how a small minority can maintain power, Gramsci (25) turned this question on its head, asking how a regime can be overturned.

The critical perspective tends to see a hegemony of values that may be but need not be linked to a particular state, but rather to a ruling elite for a particular global hegemonic project. This elite may create a common sense, a dominating political and ideological force that results from a broader geopolitical order in which the action or interest of a hegemon may not be required at all: 'where issues have achieved a certain international discursive hegemony, the propensity of state actors, be they hegemons or subordinates, to act beyond them can be limited' (38).

Davidson's (26a) analysis on hydro-hegemony of Southern Africa however drew on post-Marxist interpretations of hegemony along the lines of Laclau & Mouffe.(26). Unlike class struggle taking centre-stage as in classical Marxist notions, in Laclau & Mouffe's argument the vitality of fundamental antagonisms become drivers of politics. Hegemony in this approach is strongly bound up with fixing meaning. All social life consists of meaning, and as meaning can never be fully fixed, it must be constantly reproduced and reconstituted (27), there is space for resistance and change, promoting a 'logic of difference', hardening friend-enemy antagonisms.

Analysis of hydro-hegemony aims to shed light on these seemingly common-sense, partially fixed meanings and antagonisms. This is important as the scholarship on hydropolitics is often tied up with policy debates on water governance. These debates can demonstrate how hegemonic concepts in the water sector come and

go.³ A hegemonic project (i.e. a project that seeks to bring a change into a hegemonic order) will “attempt to weave together different strands of discourse in an effort to dominate or structure a field of meaning, thus fixing the identities of objects and practices in a particular way” (31, p. 102). For this, discourse plays a key role in devising ‘empty signifiers’, like screens onto which actors can project their hopes and fears, around which coalitions converge. These empty signifiers are significant not because of their content but their effect that brings actors together (32, 33). Policy narratives tend to acquire a life of their own and are not easily debunked by contradicting empirical evidence, as “they continue to underwrite and stabilize the assumptions” for policymaking “in the face of high uncertainty, complexity, and polarization’ (34). Even if scientific analysis may indicate otherwise, narratives tend to be persistent and resilient because they are appealing, simple and draw on common sense (30). The scholarship on hydro-hegemony attempts to examine and moreover challenge these narratives and supposed common-sense approaches to water management.

As discussed in the **Introduction**, the ‘water wars’ rationale was for many years a hegemonic ‘common-sense’ concept (4). This rationale was successfully countered by another ‘common sense’ idea of water peace and cooperation. Hydro-hegemony has, in turn, countered the cooperation claim. If this upward march continues, ironically, (hydro)hegemony itself may become a hegemonic concept. Chase-Dunn *et al* (71) warned against this type of dynamic in 1994, and now its application to hydro-hegemony is in danger of ‘becoming one of those common academic words that is thrown around too much, used to refer to too many things without clear definition or focus’ (35). Participants in the London Water Research Group’s International Workshops on Hydro-Hegemony have regularly requested clarification on what is meant by the use of the term hegemony – with no definitive answer given. Analysts may be tempted to see hegemony everywhere, making the term shorthand for ‘power exercise we don’t like’.

Is the scholarship on hydro-hegemony too obsessed with hegemony and hegemonic powers? Duarte Lopes (78) thinks so, and has critiqued the hydro-hegemony framework for under-estimating the power of interdependence, institutions and integration. Her liberal-institutionalist critique of HH argues states can work together perfectly well without hegemonic politics. They can decide it is in their best interests to establish common rules impinging on their sovereignty. She takes relations between Spain and Portugal as an example, where the European Union fostered a greener, IWRM-based value system enabling collaboration. Non-hegemonic states may try to influence rules through their participation in international institutions (18, cf 79). However, this piece of work also draws on the state-centric legacy of hegemonic analysis. A more nuanced explanation drawing on the role of institutions beyond state borders is found in the adaptive water governance literature. Pahl-Wöstl *et al* (80: p. 422) define global water governance as “the development and implementation of norms, principles, rules, incentives, informative tools, and infrastructure to promote a change in the behavio[u]r of actors at the global level in the area of water governance”. These aspects can be underpinned by empirical observations such as even within the durable stability of the European Union, however, riparian neighbours can run into intense diplomatic arguments in which the non-hegemon, such as Belgium on the river Scheldt, invoked historic grievances against the Netherlands (83; 84). As normative agreement expands, the coercion aspect becomes less important, as hegemons become leaders moulding multilateral institutions in their image.

There are certainly numerous examples where water is not conflictive and politicised because there is plenty for all, or where it is not clear-cut who the hegemon is (Central Asia, see Wegerich 2008). Where water relations and allocative arrangements are disputed, this liberal-institutionalist body of work sees potential for ‘breaking hegemony’. A situation with no hegemony, referred to as ‘a-hegemony’, a situation of power-free ‘authentic deliberation’, remains a theoretical possibility the London group has so far not displayed much

3

□ (Regional or global) ‘development’ is a particularly powerful ‘empty signifier’. The currently hegemonic liberal imagination sees human development as an ever upward-pointing arrow of enlightenment. This requires conceptual attractors, which of necessity display asymptotic tendencies towards integration such as with Integrated Water Resources Management (IWRM). IWRM became a globally hegemonic movement, together with Multi-stakeholder participation and the river basin level (28,29), currently replaced by Adaptive Management and the Nexus. Like any ‘empty signifier’ or Nirvana Concept, as coined by Molle (30), it is not very clear what IWRM actually entails. Yet, it is translated into prescriptive policies, so that now even authoritarian regimes such as Myanmar now claim to have participatory, integrated river basin plans.

affinity with. It is certainly helpful to allow for multiple voices, creating a pluralism of knowledge fora and demonstrating a deliberative kind of politics to 'level the playing field'. We also need to remind ourselves now and then that the mere fact of writing about hegemony risks making it bigger, reifying it and turning it into a monster. An alternative option would be to 'decentre' it, to ignore it and focus on alternative spaces. We would argue however that there is an elephant in the room that won't go away once we stop obsessing over it (92).

The absence of a hegemon, after all, is not the same as 'absence of hegemony'. A hegemonic order can be maintained despite a decline of overt hegemony (52), and hegemony can be decoupled from specific hegemons. The reverse of that coin implies that it does not take the emergence of a new hegemon for a hegemonic order to change

From neo-institutionalist literature, we accept the importance of organisational factors such as procedural rules and the creation of specialised institutions that can correct for (but also reinforce) power asymmetries. But participation and organisation are not limited to the planned and designed types preferred in the neo-institutional literature. A coherent alliance and agenda however surely help reinforce or upset the ruling common sense, as they allow or negate alternative norms and discourse becoming sanctioned.

Alliances may organise for or against hegemonic order and sediment into institutions. After Newell (82) and Mukhtarov and Cherp (29), we can see organisation (institutional power) as a third key factor next to discursive and material power in upholding or eroding hegemony. The organisational factors shed light on the ways an alternative norm could become accepted. Social movements such as water protest movements based on an alternative identity can push open doors (81).

From a critical/radical perspective, counter-hegemonies may be identified challenging the 'common sense' wrested in international academic and trade fora, a global counterhegemonic movement briefly alluded to by Zeitoun & Warner⁴. While Mukhtarov and Cherp (29) focus on the rise of Integrated Water Resource Management as a hegemonic discourse, Atkins (60) even argues 'neoliberalism', as in the idea that water is an economic rather than a social good, is the hegemonic power at the global level. 'Water as an economic good' brings individuation and legalisation of water rights, seen as a commons by its opponents (85). In Palestine, the hegemonic idea of 'water as an economic good' supported the PA's trial of pre-paid water meters in the West Bank, for example, even as the 2002 Palestine Water Law defined water as a public good. The resultant system stabilised the water supply for some but worsened the most vulnerable groups' existing insecurity (86). Such conditions create overlapping hydro-hegemonies, as the water security of marginalised Palestinians is threatened by both Israeli occupation and the Palestinian Authority's interest in World Bank investments and international trade development – a stranglehold very well described in Selby (89).

Another arena of contested global hydro-hegemony that comes to mind, in line with Atkins, are the World Water Forums of 2009 (Istanbul) and Mexico (2012). Bazaar-like triennial mega-gatherings bring together public, private, multilateral and civil-society actors from all over the world and are primary loci for cementing new catchwords and orthodoxies (61). At the fifth WWF 2009 in Istanbul, a widely varied Turkish and international coalition contesting water liberalisation gathered in an alternative Water Forum to discuss issues and their strategy, in part drawing on the London Group. The subsequent World Water Forum in Mexico was shaken by assertive voices from Andean countries denouncing the promotion of privatisation and deregulation. In doing so, they juxtaposed Andean Identity vs. neo-liberalism, promoting indigenous values. The potential for Andean identity to be an alternative political force was spearheaded by Bolivian President Evo Morales, previously co-opted by the United Nations as protector of the Andes. It promoted a wholly different ontology (a conception of 'what is'), postulating a symmetry between human and nonhuman actors. This resonated with a Western obsession of looking for authentic values and created an unexpected counterhegemonic alliance (87). Alternative 'memes' such as *buen vivir* and *Pachamama*, and the claim that water is sacred, were bandied about with scant regard to the finer points of the Andean cosmology or the

⁴ "There are a number of critical scholars representing this non- or counter-hegemonic perspective – in the manner of feminists exposing male hegemony; thinkers from developing nations taking issue with "western" neo-liberal hegemony; bottom-up environmental and anti-globalisation activists and others (..) Just as the mainstream discourse defined by the hegemons may go unchallenged, however, discourse that resists hegemony runs the risk of being self-referential, like a mutual back-slapping society" (14, p. 440)

rather contradictory practice in Bolivia and Ecuador, where traditional collective use and rapacious water resource development go hand in hand. Many researchers, consultants and policymakers present at the Forum probably found it hard to identify with neoliberal values. Still, the image stuck and made the global headlines, to the palpable annoyance of World Water Council dignitaries. They found themselves in the 'wrong' corner of the arena in an agonistic 'friend-enemy' pairing. Since then, the Andean counterhegemonic coalition has remained a force to be reckoned with. Hydro-hegemony scholars can learn from these examples to continue pushing against dominant discourses and widen the scope of work.

Conclusion: The Last Ten Years, the Next Ten Years

Ten years of writings on hydro-hegemony have brought fundamental shifts and major expansions in thinking around transboundary water interactions. A microcosm of the progress of hydropolitical literature in general, hydro-hegemony analysis has broadened its scope beyond the river basin, the state and negative connotations of hydro-hegemony. It has found its place as an alternative conception of transboundary water relations in a wide range of water-related literature, such as the normally optimistic writings on water diplomacy (11), and the normally pessimistic writings of critical geography. It has successfully contributed to both scholarship and policy debates to moving the perspective from 'water wars' to less visible water conflict and political strife, which may flare up in 'water riots' but often stays latent. Thanks to interdisciplinary dialogues within and outside the academic and nonacademic world, those engaged with hydro-hegemony analysis have not laid doctrines and instead benefited from the eclecticism brought about by cross-disciplinary and cross-sector fertilisation of ideas.

As a result, this alternative concept of transboundary water relations does not follow a neat or consistent progression from one paradigm to another. The engagement with multiple strands of international relations, political ecology and international political economy (particularly its neo-institutionalist version) has refined the scope and focus of hydro-hegemony analysis, continuing to demonstrate its relevance and contribution to the evolution of hydropolitics literature in general. The issue of scale in hydro-hegemony continues to require attention, and there is outstanding work to be done sharpening analysis on what is and what is not hegemony so as to avoid labelling every power difference as hegemony. Properly responding to critiques of the London Group and extant hydro-hegemony scholarship calls for a wider examination into agency, institutions and processes. Ten years after the introduction of the Framework of Hydro-Hegemony, considerable progress has been made – and considerably more work is yet to be done. Addressing these issues, and expanding the extent of empirical work directly tied to hydro-hegemony analysis, should be at the forefront of the hydropolitical scholarship agenda for the next ten years.

References

- (1) World Water Council. Water and Politics. Understanding the Role of Politics in Water Management, Marseille, February 26-27, 2004.
- (2) Naff, T., Matson, R. (1984). Middle East water: the potential for conflict, (Westview Replica Edition), Westview Press, Boulder, USA.
- (3) Starr, J.R. and Stoll, D. 1988. *The Politics of Scarcity: Water in the Middle East*, Boulder, Colo., Westview.
- (4) Trottier, J. 2000. Water wars: the rise of a hegemonic concept. UNESCO=IHE PC-CP project, Delft. Online: <http://armspark.msem.univ-montp2.fr/bfpvolta/admin/biblio/Trottier.pdf>
- (5) Bernauer, T. 1995. The Effect of International Environmental Institutions: How We Might Learn More. *International Organization* 49/2: 351-377.
- (6) Tir, J., & Ackerman, J. T. (2009). Politics of formalized river cooperation. *Journal of Peace Research*, 46(5), 623-640.
- (7) Beck, L, T. Bernauer, T. Siegfried, T. Bohmelt 2014. Implications of hydro-political dependency for international water cooperation and conflict: Insights from new data. *Political Geography* 42; 23-33.
- (8) Katz, D. 2011. Hydro-Political Hyperbole: Examining Incentives for Overemphasizing the Risks of Water Wars. *Global Environmental Politics* 11:1

- (9) Wolf, A.T. 1995. *Hydropolitics Along the Jordan River: The Impact of Scarce Water Resources on the Arab-Israeli Conflict*. United Nations University Press.
- (10) Ohlsson, L. & Turton, A. 1999. The turning of a screw: social resource scarcity as a bottle-neck in adaptation to water scarcity. Occasional Paper 19. SOAS Water Issues Study Group, School of Oriental and African Studies / King's College, London.
- (11) Islam, S. and Susskind, L. 2012. *Water diplomacy: a negotiated approach to managing complex water networks*.
- (12) Sebastian, A.G. 2009. *Transboundary Water Politics: Conflict, Cooperation, and Shadows Of The Past in the Okavango and Orange River Basins of Southern Africa*. PhD Dissertation, University of Maryland.
- (13) Kistin Keller, Elizabeth J. 2012. *Critiquing Cooperation: Transboundary Water Governance and Adaptive Capacity in the Orange-Senqu Basin*.
- (14) Zeitoun, Mark, and Jeroen Warner. 2006. Hydro-Hegemony—A Framework for Analysis of Trans-Boundary Water Conflicts. *Water Policy* 8 (5): 435–460.
- (15) Cascão, A. E.. 2008 Ethiopia—Challenges to Egyptian hegemony in the Nile Basin. *Water Policy* 10 (S2) 13-28.
- (16) Mirumachi, N. 2015. *Transboundary Water Politics in the Developing World*. Abingdon, Oxon/New York, NY: Earthscan.
- (17) Zeitoun, Mark and Naho Mirumachi. 2008. Transboundary water interaction I: reconsidering conflict and cooperation. *Int Environ Agreements* 8: 297–316.
- (18) Zeitoun, M.; Mirumachi, N. and Warner, J. 2011. Transboundary water interaction II: The influence of 'soft' power. *International Environmental Agreements* 11(2): 159-78.
- (19) Zeitoun, M., Cascão, A. E., Warner, J., Mirumachi, N., Matthews, N., Menga, F., Farnum, R. 2016 Transboundary water interaction III: contest and compliance. *International Environmental Agreements*. 10.1007/s10784-016-9325-x.
- (20) Menga, F. 2016. Reconceptualising Hegemony: The Circle of Hydro-Hegemony. *Water Policy*, 18(2), 401-418.
- (20a) Warner, J., Wegerich, K. 2010 Is water politics? Towards international water relations/ In: Wegerich, K., Warner, J. eds. *The politics of water*. London: Routledge.
- (21) Lowi, Miriam 1993. *Water and Power. The politics of a Scarce resource in the Jordan valley*. Cambridge University Press.
- (22) Shapland, G. 1997. *Rivers of Discord: International Water Disputes in the Middle East*. St. Martin's Press.
- (23) Lukes, S. 1974 (2005) *Power. A Radical View*. Published in association with the. British Sociological Association. London: Palgrave Macmillan.
- (24) Mosca, G. 1923. *Elementi di scienza politica*. 2nd ed. Torino: Fratelli Bocca.
- (25) Gramsci, A. 1999. *Selections from the Prison Notebooks*. Edited and translated by Q. Hoare and G. Nowell Smith. Elec Books.
- (26) Laclau, E., Mouffe, M. 1985. *Hegemony and Socialist Strategy. Towards a Radical Democratic Politics*. London: Verso.
- (26a) Davidsen, Pål Arne, *The Making and Unmaking of the Politics of Exceptionality. Studying Processes of Securitisation and Desecuritisation in the Orange and Okavango River Basins*. Thesis Submitted for the Degree of Master of Comparative Politics, The University of Bergen, Norway. November 2006
- (27) Livesey, S. 2002. The discourse of the middle ground: Citizen Shell commits to sustainable development. *Management Communication Quarterly*, 15(3): 313-349.
- (28) Warner, J., Wester, Ph. and A. Bolding (2008) Going with the flow: River basins as the natural units for water management? *Water Policy* 10(S2): 121-138.
- (29) Mukhtarov, F., Cherp, A. 2014. The Hegemony of Integrated Water Resources Management, in Squires, V.R., Milner, H.M. and Daniell, K.A. (Eds.) *River Basin Management in the Twenty-First century*. CRC Press.
- (30) Molle, F. 2008. Nirvana concepts, narratives and policy models: Insight from the water sector. *Water Alternatives* 1(1): 131-156.
- (31) Howarth, D. et al. 2000. *Discourse Theory and Political Analysis*. Manchester: Manchester University Press.
- (32) Kooij, H.J., Van Assche, K. & Lagendijk, A. 2014. Open Concepts as Crystallization Points and Enablers of Discursive Configurations: The Case of the Innovation Campus in the Netherlands. *European*

Planning Studies, 22, 84-100.

(33) Torfing, J. 2004. Discourse Theory: Achievements, Arguments and Challenges. In D.R. Howarth and J. Torfing (Eds.). *Discourse Theory in European Politics: Identity, Policy and Governance*, Basingstoke: Palgrave: 1-32.

(34) Roe, E. 1994. *Narrative Policy Analysis: Theory and Practice*. Durham/London: Duke University Press.

(35) Farnum, B. 2014. Creating or Contesting Hydrohegemony. A critique of the London Water Research Group considering academic hegemony and traps in social justice research". Discussion paper prepared for the Seventh International Workshop on Hydro-Hegemony, University of East Anglia, London.

(36) Furlong, K. 2006. Hidden theories, troubled waters: international relations, the 'territorial trap', and the Southern African Development Community's transboundary waters. *Political Geography*, 25, 438-458.

(37) Agnew, J. 1994. The Territorial Trap: The Geographical Assumptions of International Relations Theory. *Review of International Political Economy* 1(1): 53-80.

(38) Furlong, K. 2008. Hidden theories, troubled waters: Response to critics. *Political Geography* 27: 811-814.

(39) Lebel, L., P. Garden, and M. Imamura. 2005. The politics of scale, position, and place in the governance of water resources in the Mekong region. *Ecology and Society* 10(2):

(40) Ferragina, E. & Greco, F. 2008. The Disi project: an internal/external analysis. *Water International* 33(4): 451-463.

(41) Messerschmidt, C. 2005. What price cooperation?—Hydro-Hegemony in shared Israeli/Palestinian groundwater resources. Conference paper 1st Hydrohegemony conference, London.

(42) Gomez, P. 2014. Transboundary groundwater and unsustainable practices of water governance in the Guarani Aquifer: the case of the province of Misiones. 5-2014. Online:

<http://ir.library.louisville.edu/cgi/viewcontent.cgi?article=1512&context=etd>

(43) Sadoff, C.W., Grey, D.. 2005. Beyond the river: the benefits of cooperation on international rivers. *Water Policy* 4: 389–403.

(44) Dombrowsky, I. 2009. Revisiting the potential for benefit sharing in the management of trans-boundary rivers. *Water Policy* 11 (2), 125–140.

(45) Phillips, D.; Allan, A.; Claassen, M.; Granit, J.; Jägerskog, A.; Kistin, E.; Patrick, M.; Turton, A., (2008) *The TWO Analysis: Introducing a Methodology for the Transboundary Waters Opportunity Analysis*. Report Nr. 23. (SIWI, Stockholm).

(46) Hoff, H. 2011. Understanding the Nexus Background paper for the Bonn2011 Nexus Conference. Bonn2011 Conference The Water, Energy and Food Security Nexus. Solutions for the Green Economy 16–18 November 2011.

(47) Mapedza, E., T. Tafesse, A. Haileselassie, F. Hagos, M. McCartney and S. Bekele. 2011 Benefit Sharing as a mechanism for improving Transboundary Water Governance: the case of the Eastern Nile Sub-basin

(48) Allouche, J., Middleton, C., Gyawali, D. 2012. Nexus Nirvana or Nexus Nullity? A dynamic approach to security and sustainability in the water-energy-food nexus. STEPS Centre, Sussex University.

(49) Ahlers, R., J. Budds, D. Joshi, V. Merme, M. Zwarteveen. 2015. Framing hydropower as green energy: assessing drivers, risks and tensions in the Eastern Himalayas. *Earth Syst. Dynam.*, 6; 195–204 www.earth-syst-dynam.net/6/195/2015/

(50) Buzan, B., Waever, O., De Wilde. 1998. *Security: An New Framework*. Hampstead Heath: Harvester Wheatsheaf.

(51) Massumi, B. 2007 Potential Politics and The Primacy Of Pre-emption. *Theory & Event* 10:2.

(52) Keohane, R.O. 1984. *After Hegemony: Cooperation and Discord in the World Political Economy: Cooperation and Discord in the World Political Economy*: Princeton University Press.

- (53) Herschinger, E. 2010. *Constructing Global Enemies: Hegemony and Identity in International Relations*. London/New York: Routledge.
- (54) Turton, A, N, Funke 2007. Hydro-hegemony in the context of the Orange River Basin *Water Policy* 10 (S2), 51-69.
- (55) Daoudy, M. 2004. Turkey and Syria in water diplomacy 1962-2003, In Zereini, F. and Jaeschke, W. (Eds), *Water in the Middle East and in North Africa: Resources, protection and management*, pp. 319-332. New York: Springer.
- (56) Buzan, B, Waeber, O. 2002. *Regions and Powers. The Structure of International Security*. Cambridge: Cambridge University Press.
- (57) Schulz, M. 1995. Turkey, Syria and Iraq: A Hydropolitical Security Complex, in: Ohlsson, Leif (ed.), *Hydropolitics: Conflict over Water as a Development*. London: Zed Books.
- (58) Selby, J. 2007. Beyond Hydro-Hegemony: Transnational Hegemonic Structures and National Hegemonic Projects. Presentation given at the Third International Workshop on Hydro-Hegemony, 12 and 13 May 2007, London School of Economics, London, UK; London Water Research Group.
- (59) Davidson-Harden, A., Naidoo, A. and Harden, A. 2007. The geopolitics of the water justice movement. *Peace, Conflict and Development* 11.
- (60) Atkins, E, 2014. Beyond State-Fetishism: the Case for Neoliberalism as a Hydro-Hegemon. School of Sociology, Bristol: Politics and International Studies, University of Bristol. Working Paper No. 03-1
- (61) Warner, J. 2010. Hydrohegemonic politics: A crossroads on the Euphrates-Tigris?. In: J. Warner and K. Wegerich (Eds.). *The Politics of Water: A Survey*. London: Routledge.
- (62) Conker, A. 2014. An enhanced notion of power for inter-state and transnational hydro-politics: an analysis of Turkish-Syrian water relations and the Ilisu Dam conflict between the opponents and proponents of the Dam. Doctoral dissertation, University of East Anglia.
- (63) Allan, J.A. 2001. *The Middle East Water Question: Hydropolitics and the Global Economy*. London, UK: IB Tauris.
- (64) Sojamo, S.; Keulertz, M.; Warner, J.F.; Allan, J.A. 2012. Virtual water hegemony: the role of agribusiness in global water governance, *Water International* 37: 169-182.
- (65a) Warner, J., Sebastian, A., Empinotti, V. 2013. Claiming (Back) the Land: The Geopolitics Of Egyptian and South African Land And Water Grabs. *Ambiente e Sociedade* 16(2).
- (65b) Warner, J. 2015. South-South cooperation: Brazilian soy diplomacy looking East? *Food Security* 7(6); 1175–1185.
- (66) Swatuk, L. 2015. Water conflict and cooperation in Southern Africa. *WIREs Water* 2: 215-230.
- (67) Turton, A.R. 1999. Precipitation, People, Pipelines and Power: Towards a Virtual Water' Based Political Ecology Discourse. MEWREW Occasional Paper No. 11. London: School of Oriental and African Studies.
- (68) Zeitoun, M., Eid-Sabbagh, K., Talhami, M., Dajani, M.(2013) Hydro-hegemony in the upper Jordan watershed: Control and use of the flows. *Water Alternatives* 6: 86-106.
- (69) Budds, J. and Hinojosa, L. 2012. Restructuring and rescaling water governance in mining contexts: The co-production of waterscapes in Peru. *Water Alternatives* 5(1): 119-137.
- (70) Zeitoun, M.; Warner, J.; Mirumachi, N.; Matthews, N.; McLaughlin, K.; Woodhouse, M.; Cascão, A.; Allan, J.A. 2014. Transboundary water justice: a combined reading of literature on critical transboundary water interaction and 'justice', for analysis and diplomacy. *Water Policy* 40: 174-193.

- (71) Chase-Dunn, C., Taylor, P., Arrighi, G., Cox, R., Overbeek, H., Gills, B., Frank, A.G., Modelski, G., and Wilkinson, D. 1994. Hegemony and Social Change. *Forum. Merston International Studies Review* 38, 361-376.
- (72) Haugaard, M., Lentner, H. Eds. 2006. *Hegemony and Power: Consensus and coercion in contemporary politics*. New York: Lexington Books.
- (73) Sebastian, A., Warner, J. 2013. Geopolitical drivers of foreign investment in African land and water resources. *African Identities* 12(1): 8-25.
- (74) Sumer, V. 2014. Revisiting the Turkish 'Hydro-hegemony' in the Euphrates-Tigris Transboundary Basin: Not a 'Perfect' Hegemon? Online: <https://www.youtube.com/watch?v=A5>
- (75) Tawfik, R. 2015. Revisiting Hydro-hegemony from a Benefit-Sharing Perspective: The Case of the Grand Ethiopian Renaissance Dam. Discussion Paper / Deutsches Institut für Entwicklungspolitik, Bonn. ISSN 1860-0441
- (76) Watson, A. 2007. *Hegemony and history*. London: Routledge.
- (77) Lustick, Ian, S. 2002. Hegemony and the riddle of nationalism: The dialectics of nationalism and religion in the Middle East. *Logos* 1 (3):18-44.
- (78) Lopes, P. Duarte. 2012. "Governing Iberian Rivers: from bilateral management to common basin governance?", *International Environmental Agreements: Politics, Law and Economics*, 12(3); 251–268. DOI 10.1007/s10784-012-9175-0.
- (79) Keck, M., Sikkink, K. 1998. *Activists beyond Borders*. Ithaca: Cornell University Press.
- (80) Pahl-Wostl, C., J. Gupta, and D. Petry. 2008. Governance and the global water system: Towards a theoretical exploration. *Global Governance* 14:419–436.
- (81) Haufler, V. 1994. 'Crossing the Boundary between Public and Private: International Regimes and Non-State Actors', in: V. Rittberger (Ed.) *Regime Theory and International Relations*, pp. 94-111. Oxford: Oxford University Press.
- (82) Vries, J. de (2008). [Breaking the deadlock: lessons from cross-border spatial projects in Flanders and the Netherlands](#). *DISP* 172; 48-61.
- (83) Warner, J., van Buuren, M.B. 2009. Multi-stakeholder learning and fighting in the river Scheldt. [International Negotiation, Volume 14\(2\)](#): 419–440.
- (84) Donahue, J., Johnson, B.R. 1996. *Water, Culture and Power: Local Struggles in a Local Context*. Island Press.
- (85) Koppelman, Z. and Alshalalfeh, S. 2012 'The Human right to Water in Palestine', Lifesource, Blue Planet project, <http://www.blueplanetproject.net/documents/RTW/RTW-Palestine-1.pdf>
- (86) Boelens, R.A., Vos, J. 2012. The danger of naturalizing water policy concepts: Water productivity and efficiency discourses from field irrigation to virtual water trade. *Agricultural Water Management* 108:16–26.
- (87) Daoudy, M. 2005. *The Water Divide between Syria, Turkey and Iraq: Negotiation, Security and Power Asymmetry*. CNRS Editions, Paris (in French).
- (88) Selby, J. 2013. Cooperation, Domination and Colonisation: The Israeli-Palestinian Joint Water Committee. *Water Alternatives* 6(1): 1 - 24.
- (89)

(90) Gibson-Graham, J.K. 1996: *The End of Capitalism (as We Knew It): a feminist critique of political economy*. Minneapolis: University of Minnesota Press.

“

,

(24)

(25)

(26)

(27)

(29)

(30)

(31)

(32)

(33)

(34)

”

“”

(88) Daoudy, M. 2005. *The Water Divide between Syria, Turkey and Iraq: Negotiation, Security and Power Asymmetry*. CNRS Editions, Paris (in French).

(89) Selby, J. 2013. Cooperation, Domination and Colonisation: The Israeli-Palestinian Joint Water Committee. *Water Alternatives* 6(1): 1 - 24.

(90) Gibson-Graham, J.K. 1996: *The End of Capitalism (as We Knew It): a feminist critique of political economy*. Minneapolis: University of Minnesota Press.

