



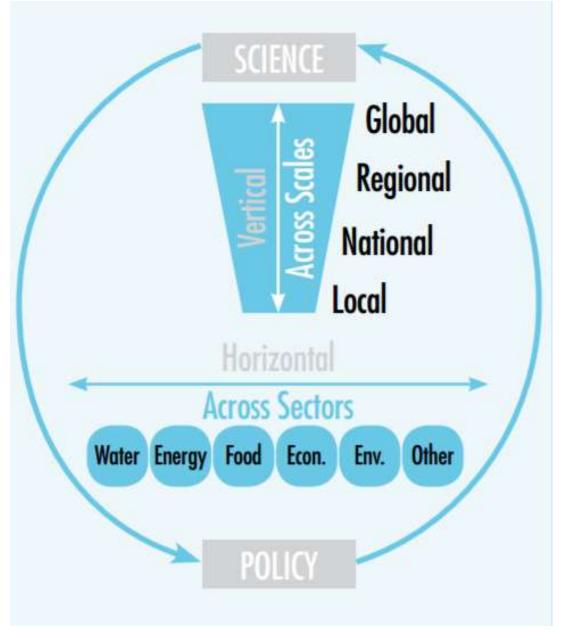


Research Group

Bassel Daher Austin Mitchell

XVI World Water Congress | Cancun, Mexico | May 29, 2017

- Challenges in communication across disciplines interconnected with water within the scientific sphere
- Challenges in effective communication mechanisms between policy and scientific spheres
- Disconnect caused by difference in timeframes, agendas and priorities of science and policy spheres → leading to delay in sciencepolicy response and feedback



Daher, B., WEF Nexus Research Group (2017). **IWRA Sustainability in the Water-Energy-Food Nexus: Bridging Science and Policy Making**. *Policy Briefing Water International*, 6

Nations Unies Conférence sur les Changements Climatiques 2015

COP21/CMP11



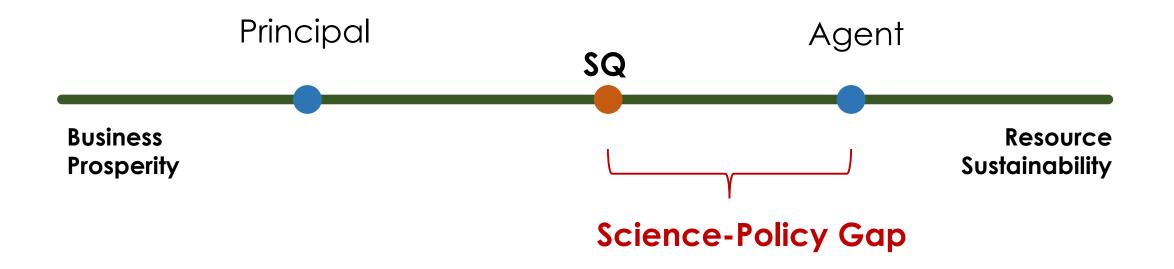


PARIS2015 UN CLIMATE CHANGE CONFERENCE COP21.CMP11

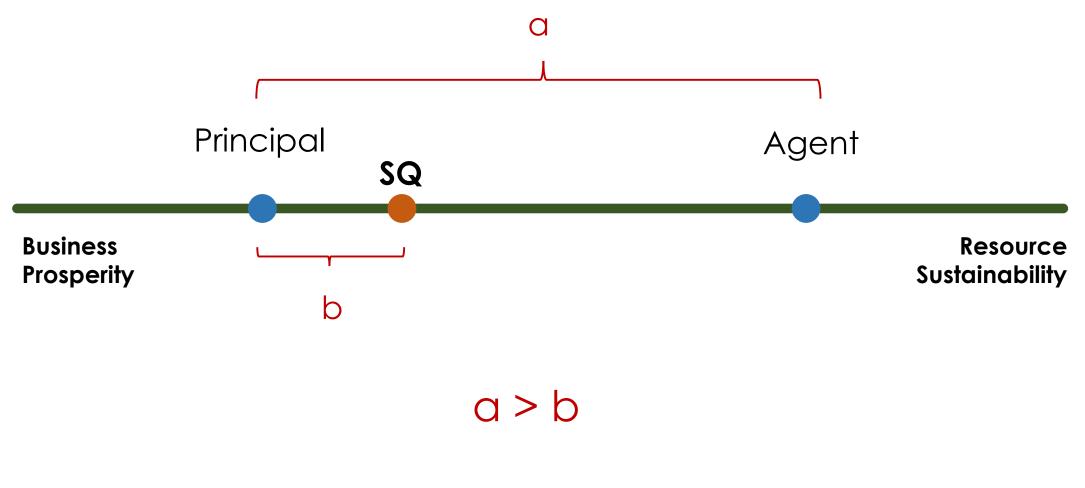


- What role do different players' value systems have in determining delegation outcomes?
- What role do **external shocks** play?
- How do both affect on the sciencepolicy gap?

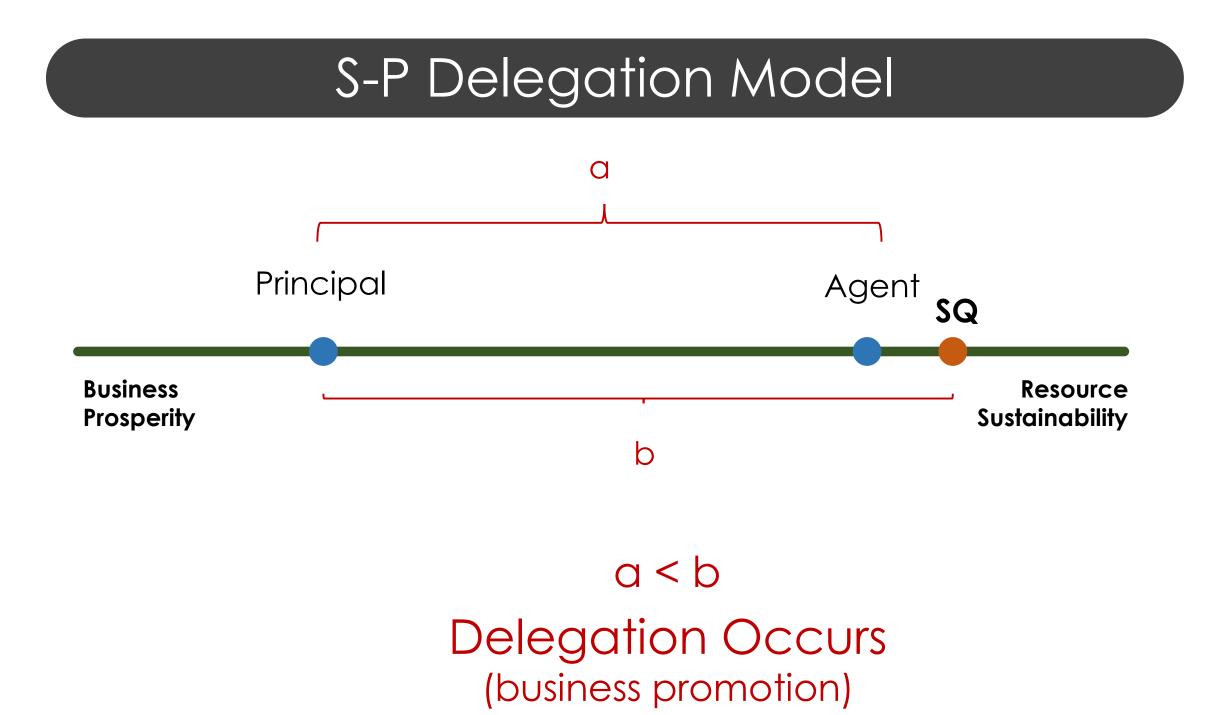
S-P Delegation Model



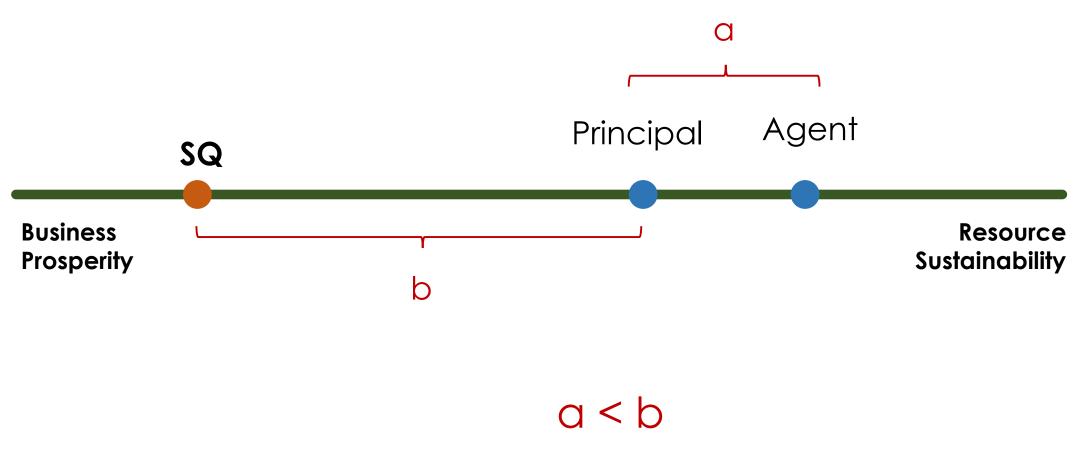
S-P Delegation Model



No Delegation

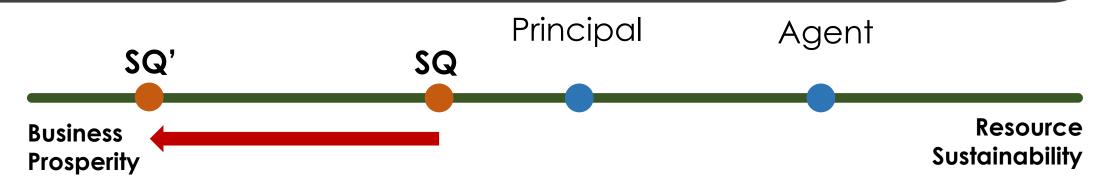


S-P Delegation Model



Delegation Occurs (business regulation)

Resource Shock



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World news Australia suffers worst drought in 1,000 years

"My government will do everything in its power to help Australia meet its Kyoto Protocol obligations", <u>Rudd promised</u> in December 2007.



Delegation (business regulation)

Technology Shock







- **Gap could be structural** (difference in preferences) and not reconcilable only by communication
- Gap could close if SQ shifts (as a result of technology or resource shock) or the values of the players change
- **Technology/Resource shocks** could reduce the need for regulation thereby improving on the S-P gap without the need for legislative intervention
- Gap among scientists

Thank You