



Presentation from
**2016 World Water
Week in Stockholm**

www.worldwaterweek.org

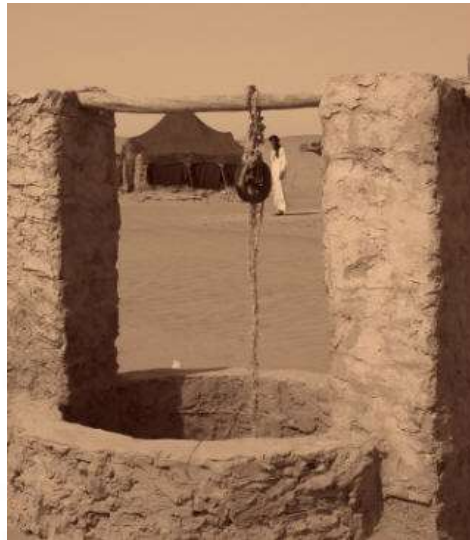
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World Water Week

Transboundary aquifers governance and climate change adaptation

Wednesday 30/08/2016

Transboundary Aquifers, SDGs and Climate Change



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Context and background

F. Sindico, Transboundary Water Cooperation and the Sustainable Development Goals, UNESCO-IHP Advocacy Paper, 2016, Doc. 2016/SC/HYD/SDGs-1, available at
http://www.strath.ac.uk/media/faculties/hass/law/scelg/Transboundary_Water_Cooperation_and_the_SDGs.pdf

F. Sindico, “Paris, Climate Change and Sustainable Development”, 6.1-2 Climate Law (2016), pp. 130-141

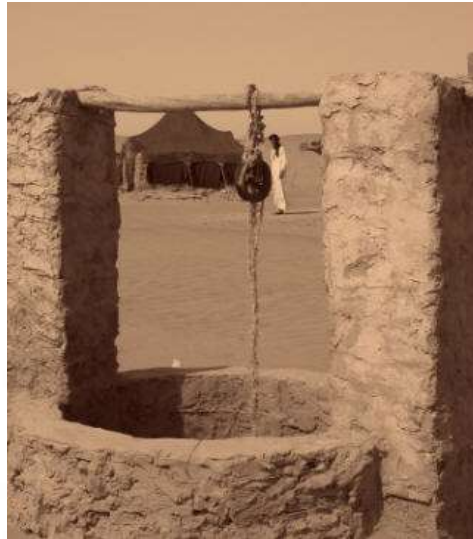
Strathclyde LLM in Climate Change Law and Policy

Outline

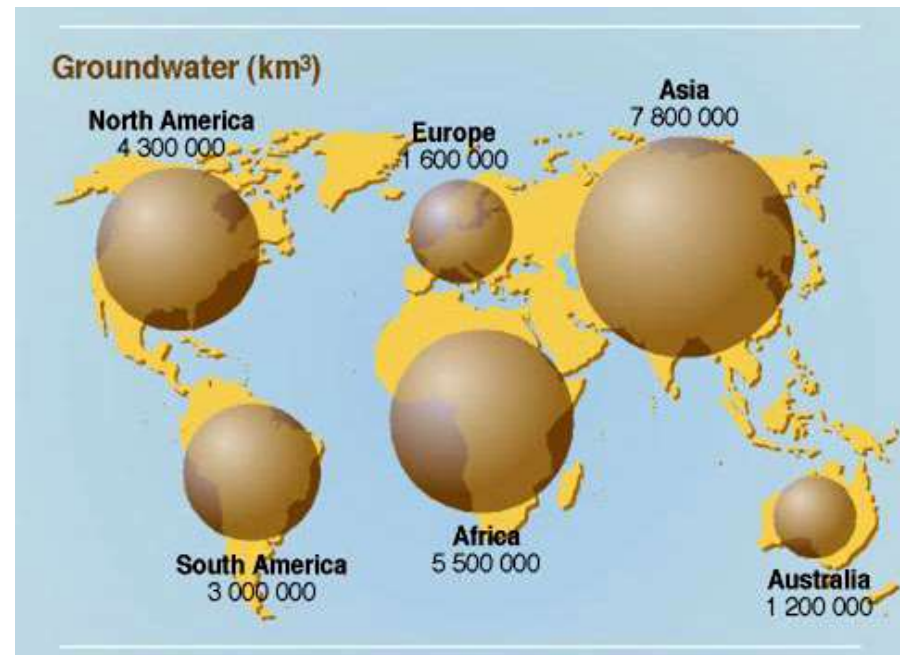
Transboundary aquifers

Sustainable Development Goals and transboundary aquifers

Climate Change and transboundary aquifers



Transboundary Aquifers



Transboundary Aquifers



- 40% of the world population lives in transboundary rivers and lake basins
- 276 transboundary surface water basins and **592 transboundary aquifers**
- Examples of problems and challenges in the context of climate change adaptation
 - Overexploitation
 - Pollution
 - Competition over different uses

Transboundary Aquifers



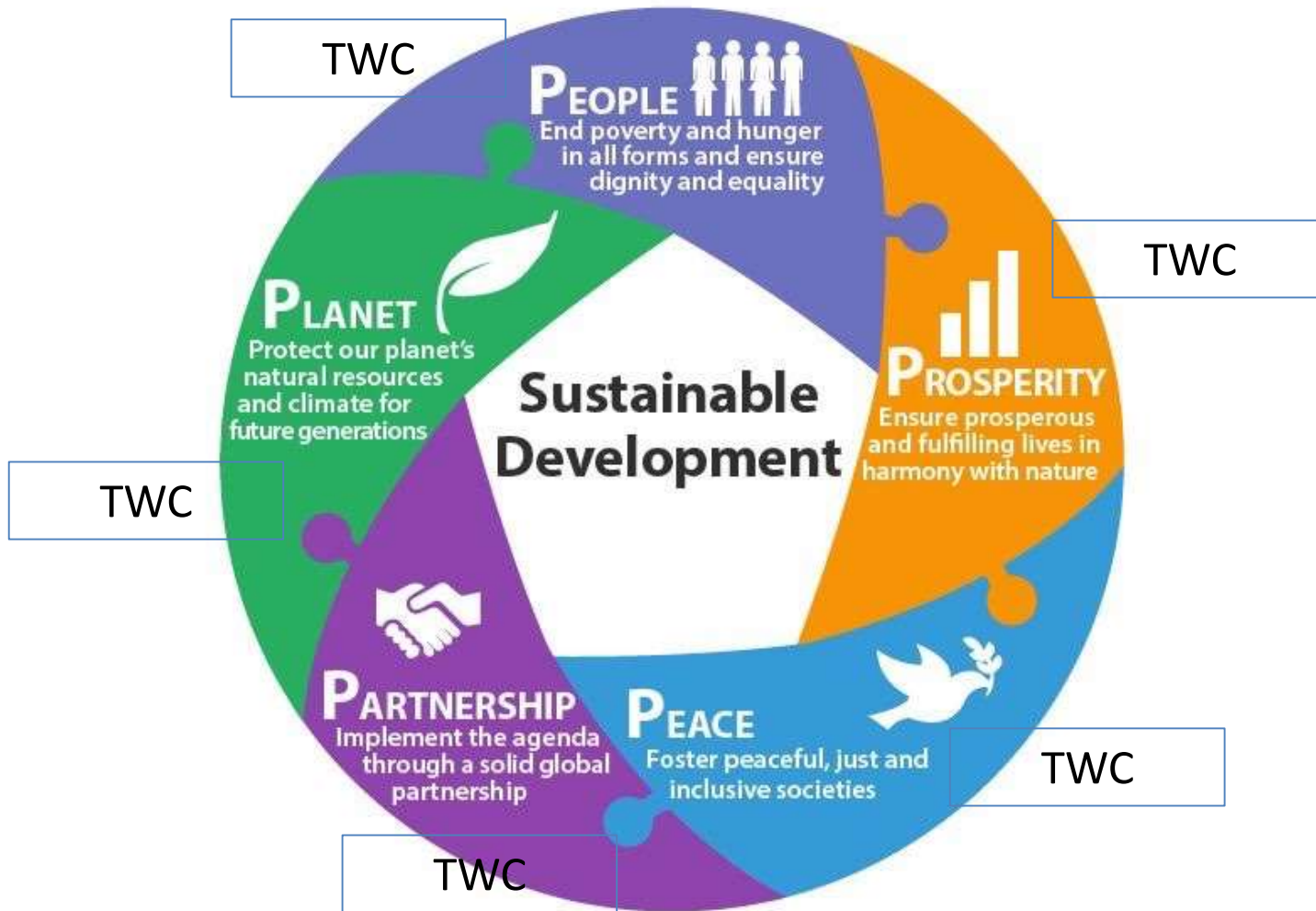
- United Nations Watercourse Convention
- UNECE Water Convention
- Bilateral and multilateral arrangements (**more than 200**)
- Customary international law
- Draft Articles on the Law of Transboundary Aquifers
- UNECE Model Provisions on Transboundary Groundwater
- Bilateral and multilateral arrangements (**6**)
- Customary international law

TWC normative framework

Sustainable Development Goals and TBAs

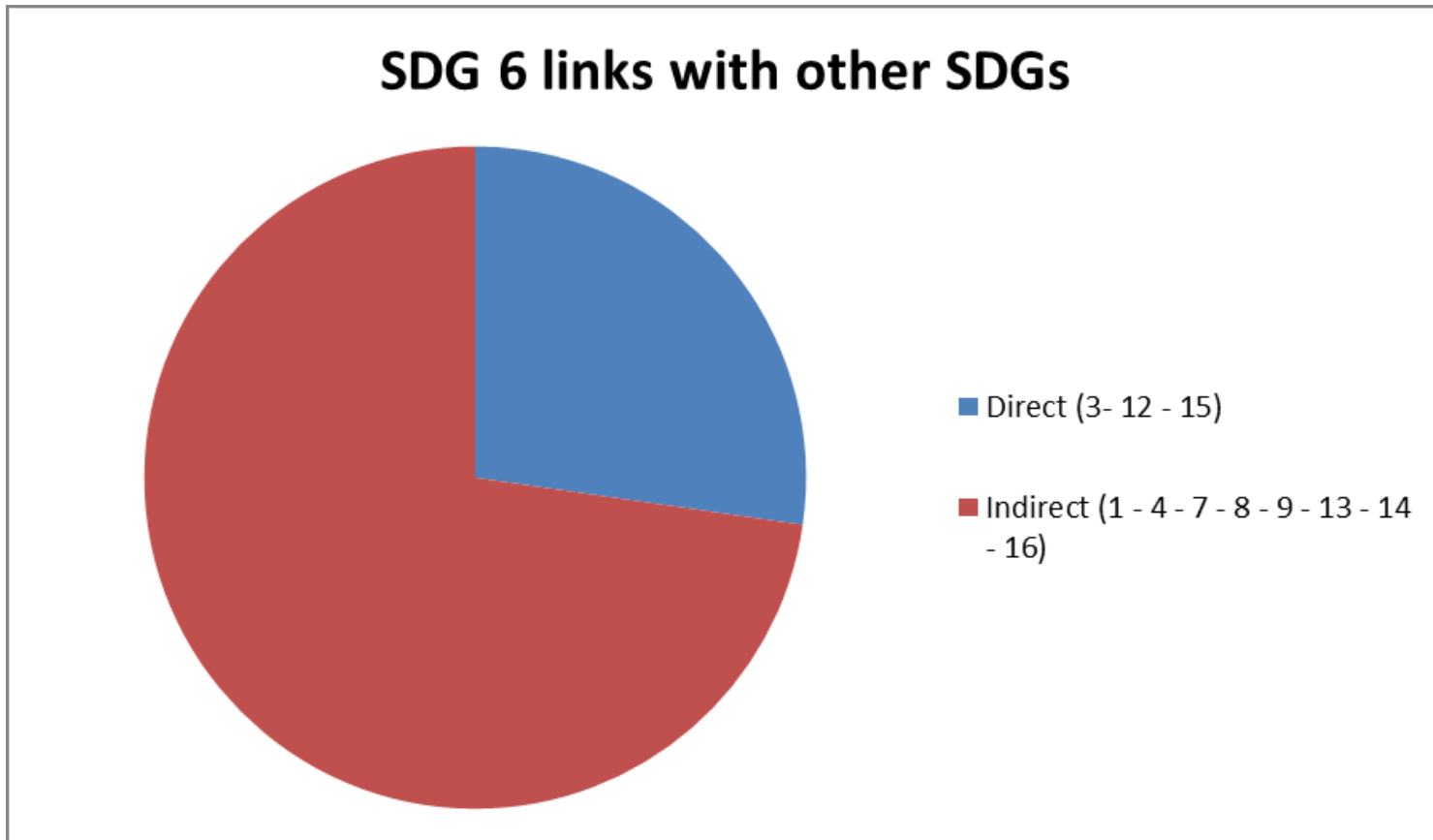


Sustainable Development Goals and TBAs



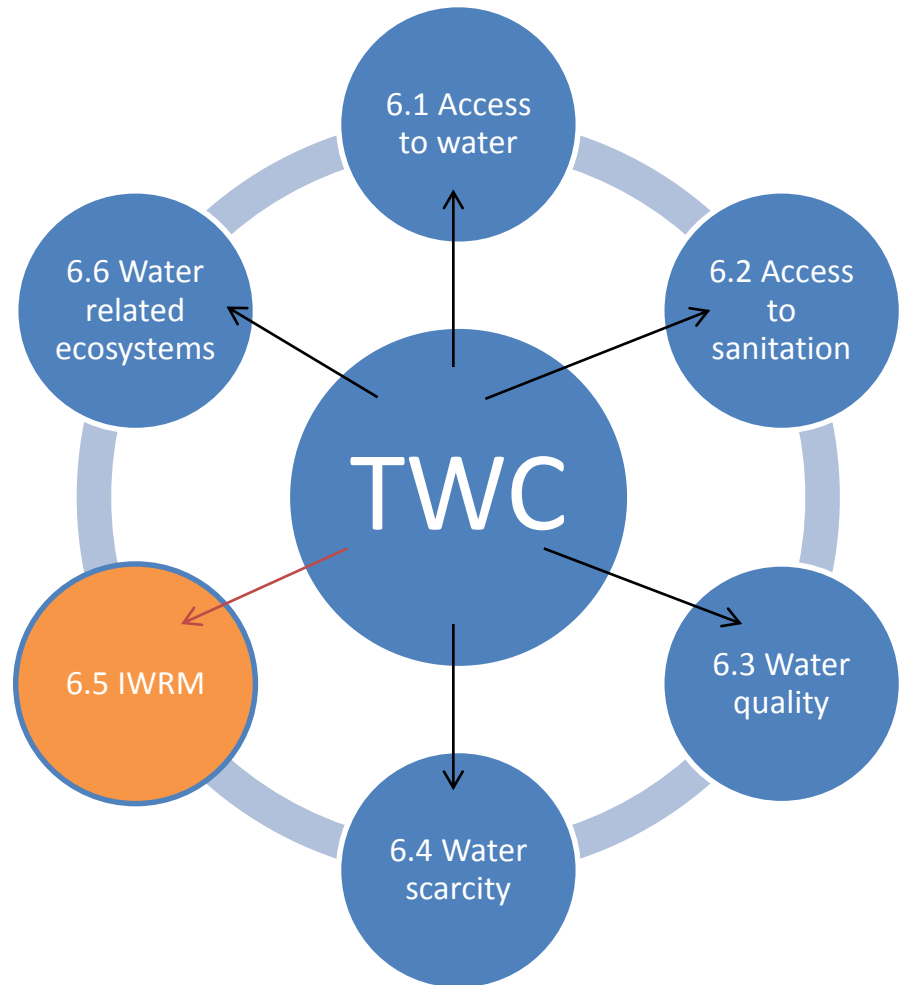
Sustainable Development Goals and TBAs

- SDG 6 relates directly and indirectly to at least other 11 SDGs (31 links)



Sustainable Development Goals and TBAs

- SDG 6
- Target 6.5 “By 2030, implement integrated water resources management at all levels, **including through transboundary cooperation as appropriate.**”



Sustainable Development Goals and TBAs

- At least 21 of the 31 SDG 6 / SDG links include a TWC component

SDG 6	Other SDGs
6.1 Access to water	4.1, 4.2, 11.1
6.2 Access to sanitation	11.1
6.3 Water quality	2.4, 7.a, 12.4, 14.1, 15.4, 15.5
6.4 Water scarcity	2.4, 7.a, 15.4, 15.5
6.5 IWRM	13.2, 15.4, 15.5, 16.1
6.6 Water-related ecosystems	7.2, 15.1, 15.8

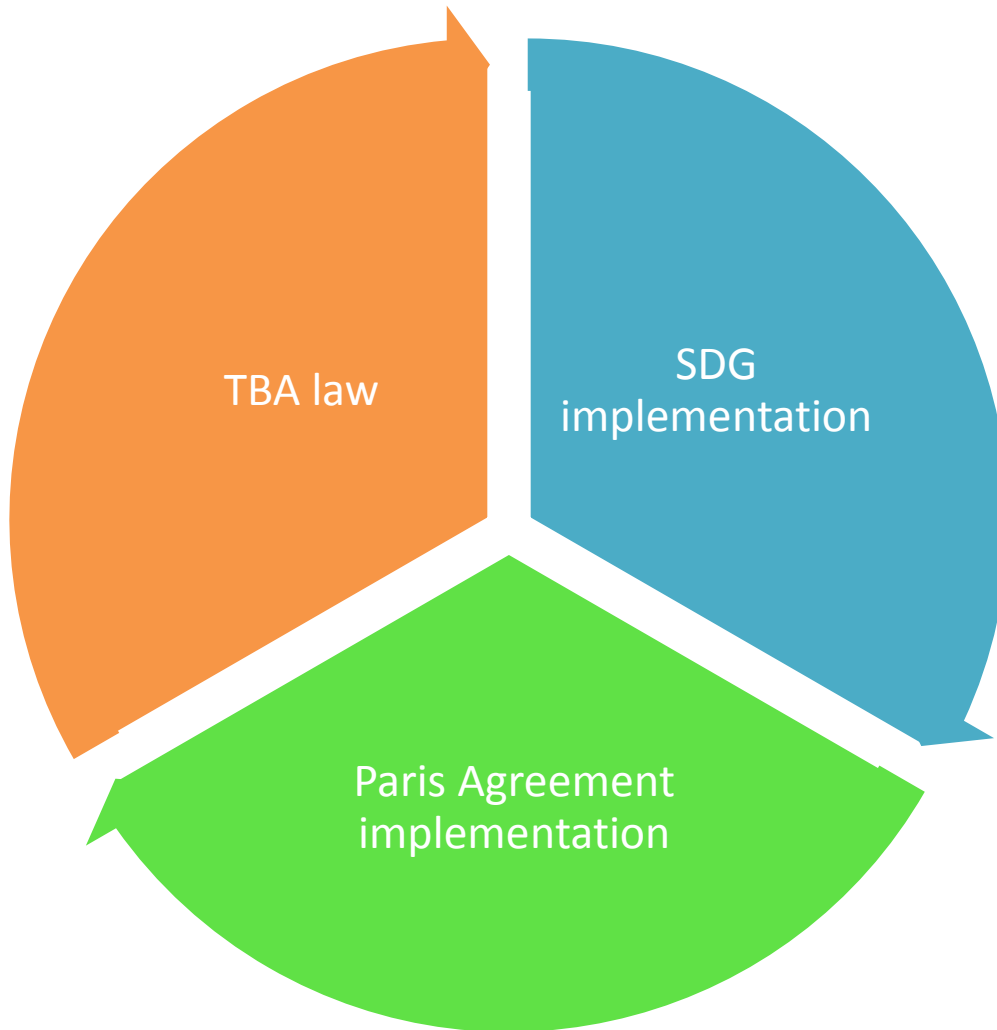


Climate Change and TBAs

- Implementation of the Paris Agreement
 - National climate change adaptation plans
 - Loss and Damage policies



Conclusions



- Implementation of the SDGs and of the Paris Agreement
- Through national actions, policies, plans (bottom up approach)
- These actions need to pay attention to TBAs
- By doing so a country is more likely to meet SDG 6.5 and to effectively tackle climate change

Thank you!

Francesco Sindico

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Resources:

- **F. Sindico, Transboundary Water Cooperation and the Sustainable Development Goals, UNESCO-IHP Advocacy Paper, 2016, Doc. 2016/SC/HYD/SDGs-1, available at [http://www.strath.ac.uk/media/faculties/hass/law/scelg/Transboundary Water Cooperation and the SDGs.pdf](http://www.strath.ac.uk/media/faculties/hass/law/scelg/Transboundary_Water_Cooperation_and_the_SDGs.pdf)**
 - **F. Sindico, “Paris, Climate Change and Sustainable Development”, 6.1-2 Climate Law (2016), pp. 130-141**
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