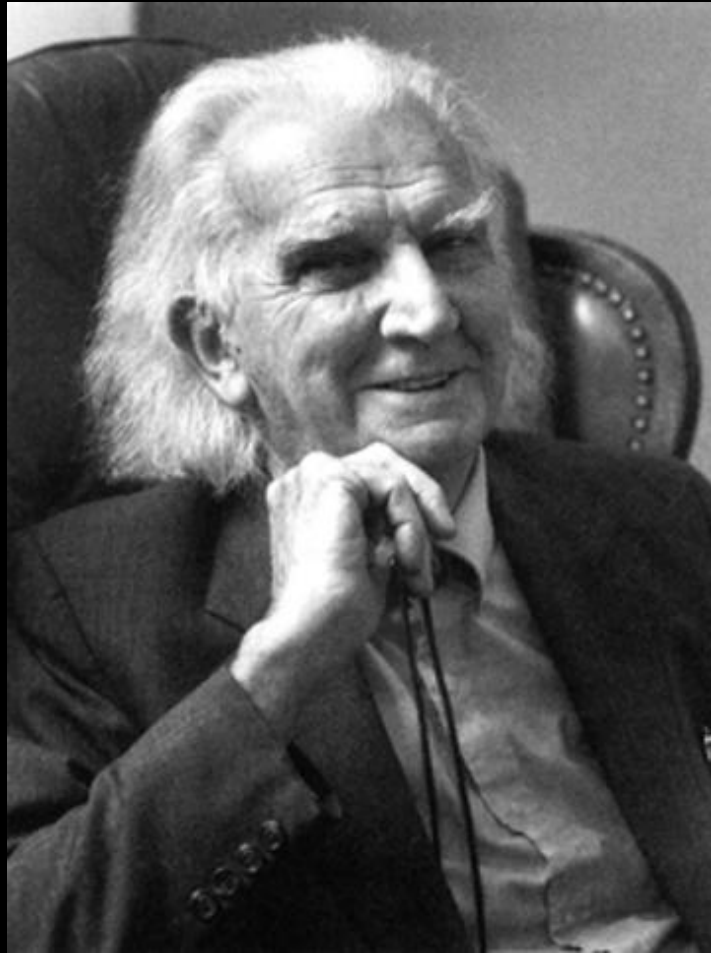


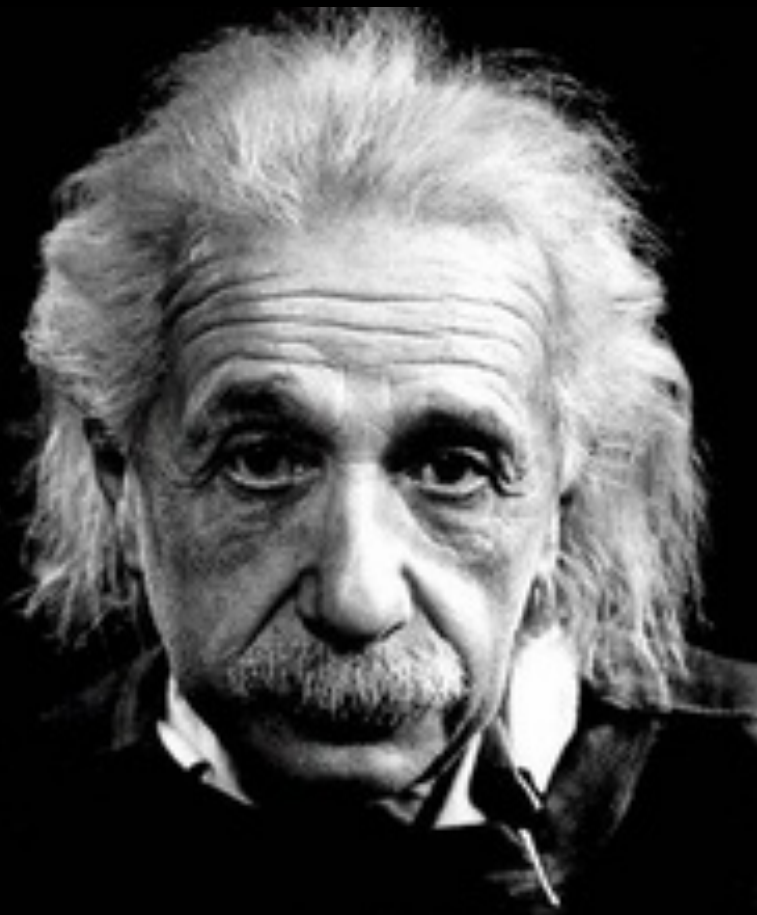
Socio-environmental synthesis for water governance?

Dr. Jampel Dell'Angelo

jdellangelo@sesync.org



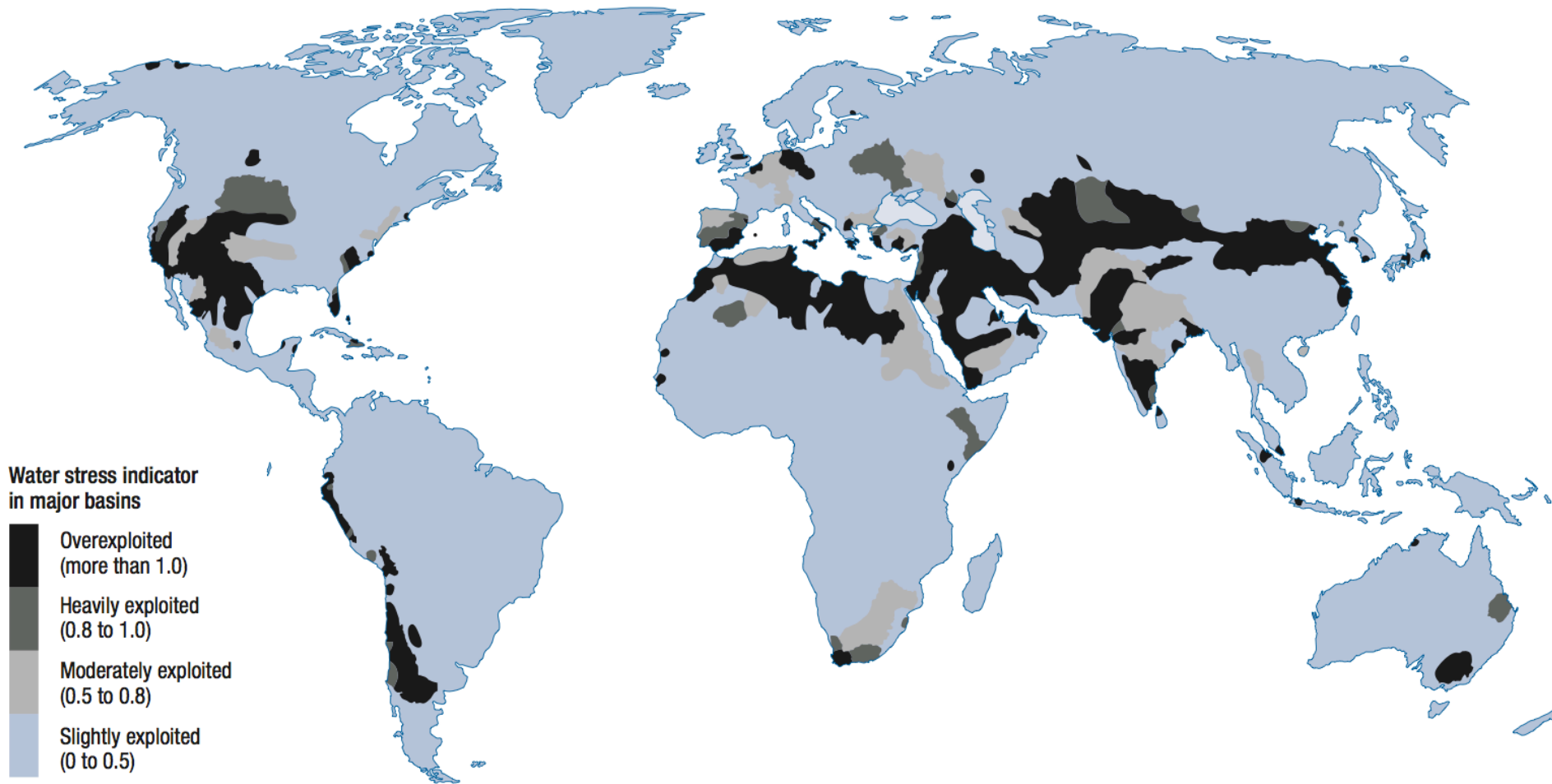




Sustainability of water systems?



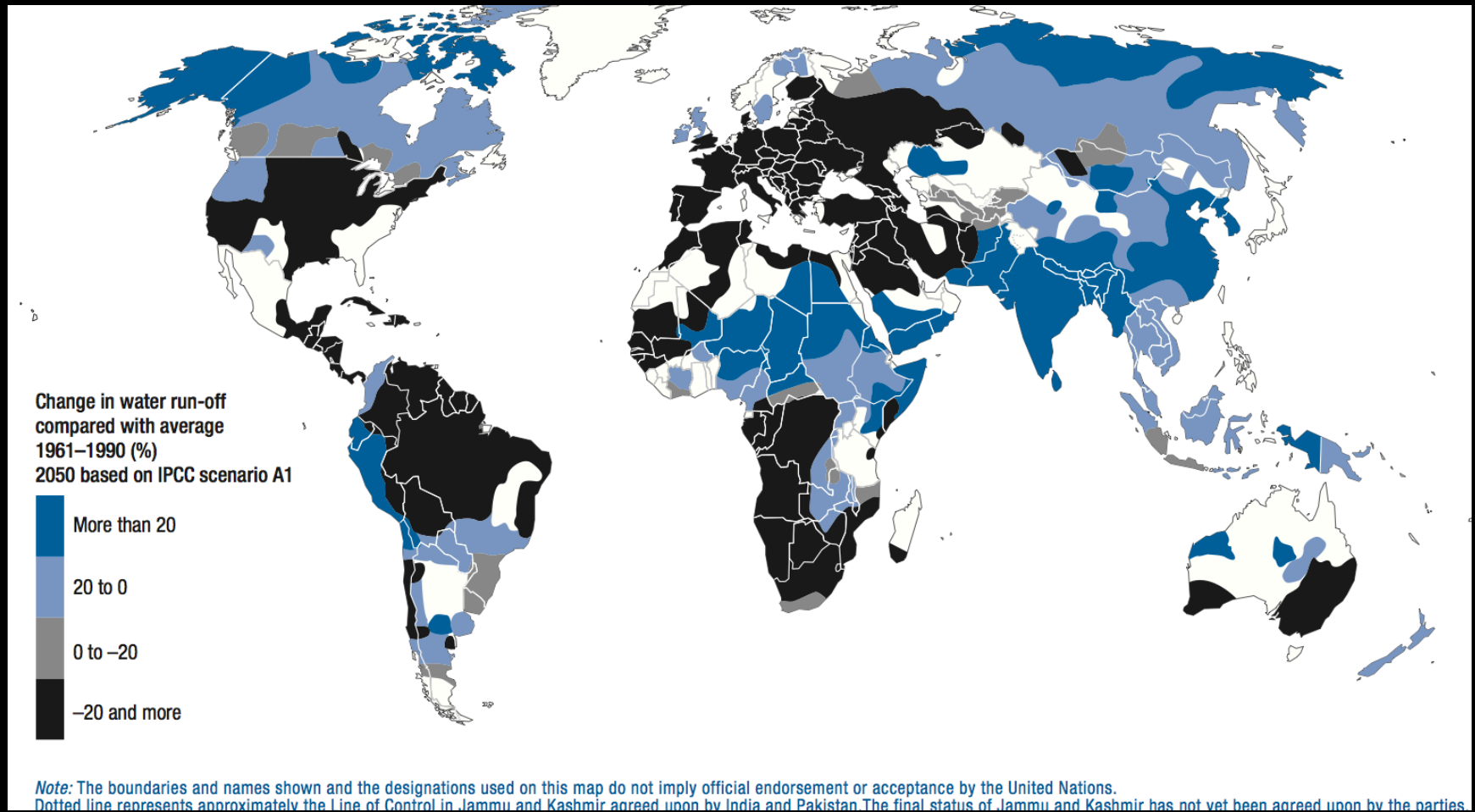
Water overuse effect on river basins



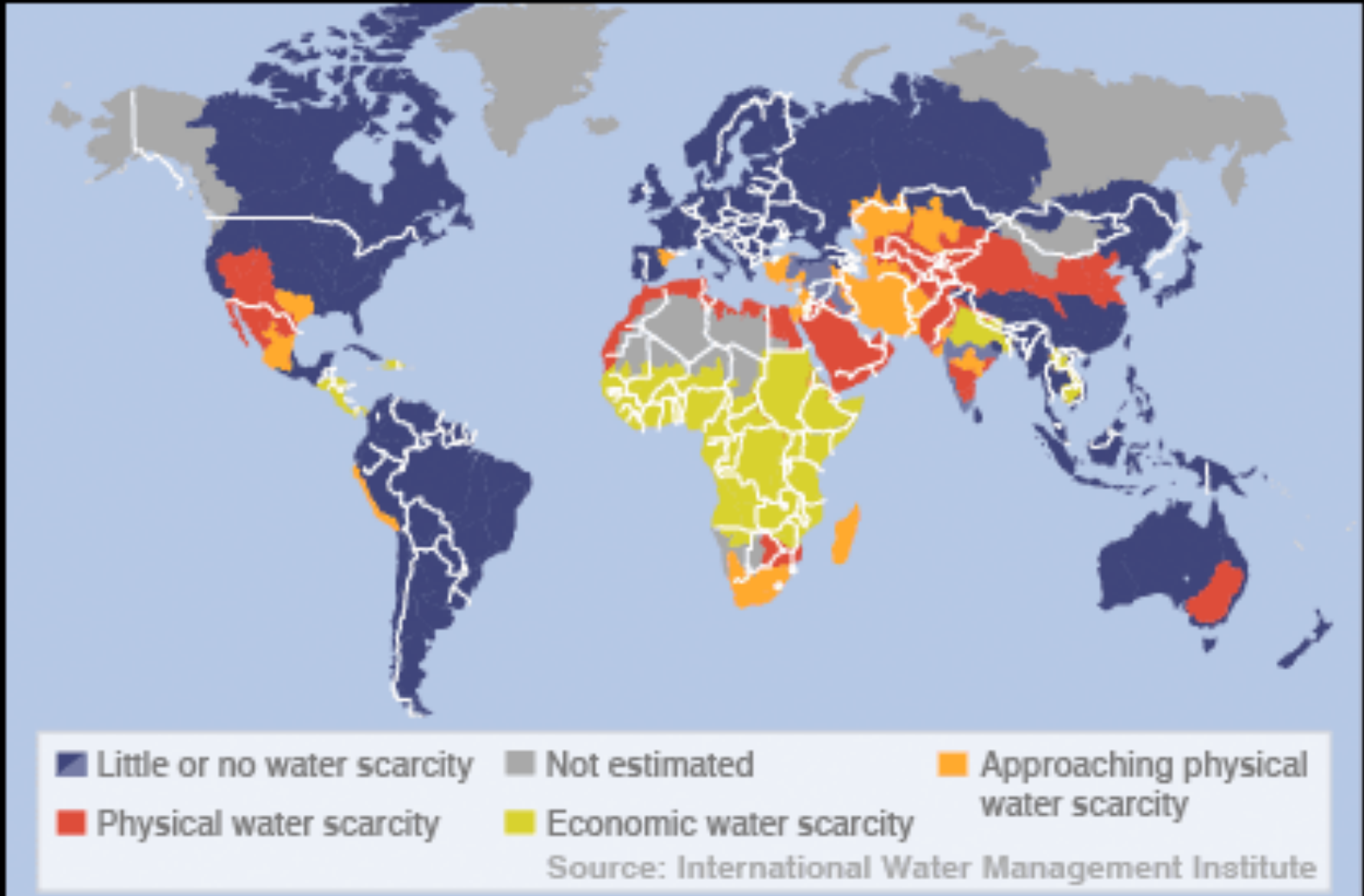
Note: The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

Source: Smakhtin, Revenga and Döll 2004.

Effects of Climate Change on Water Scarcity



Increasing water scarcity



1600 liters for a 100g burger



“The water crisis is a problem of hungry people more than thirsty ones”

(Paolo D’Odorico personal communication)

“795 million people in the world do not have enough food to lead a health active life”

(WFP 2015)

19 October 2015: Water War in Cerasia



TRIDENT JUNCTURE



Worried Sicilian farmer Domenico with his baffled donkey Arturo



...Same kind of “thinking”

The case of the Flint Water Crisis

- Flint water crisis AKA socio-hydrological symptoms of a science crisis?

3 questions

- What is socio-environmental synthesis?
- What is actionable science?
- How socio-environmental synthesis relates to water governance?







Governance for water security

(Pahl-Wostl, Palemer & Richards 2013)

- 1.governance arrangements need to support evidence- based decision making, and the application of good governance principles to assess trade-offs between different water security dimensions;

Governance for water security

(Pahl-Wostl, Palemer & Richards 2013)

- 2. more attention needs to be devoted to incompatible framings between different governance domains and how a lack of communication and integration can be overcome;

Governance for water security

(Pahl-Wostl, Palemer & Richards 2013)

- 3. more experimentation with, and comparative analyses of, combinations of governance modes are needed; and of methods and tools associated with those modes that may be transferred to other water security contexts;

Governance for water security

(Pahl-Wostl, Palemer & Richards 2013)

- 4. development is needed of indicators of the trade-offs between different water security dimensions to enable assessment of multi-criteria policy goals, to provide guidance for adaptive management approaches in their implementation in practice.

Thanks for the attention!

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