



ICWRS

WG1.10: Deep Explanation and Evaluation for Practices in Hydrological Changes (DEEPHYC)

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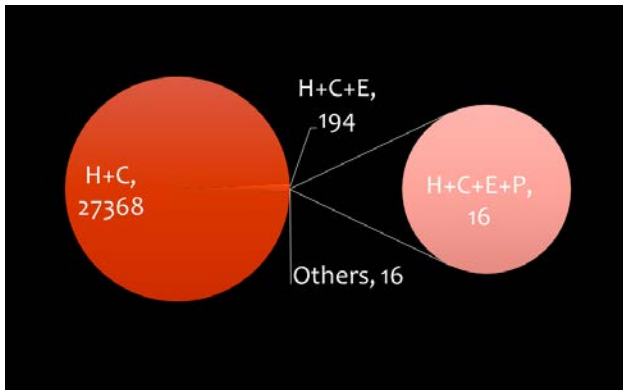
Motivation

More attentions have been paid to the spatial pattern and temporal trend of hydrological changes. Deep explanation and evaluation behind are in shortage, especially for practices.

Goals

Literature amounts 1935-2023

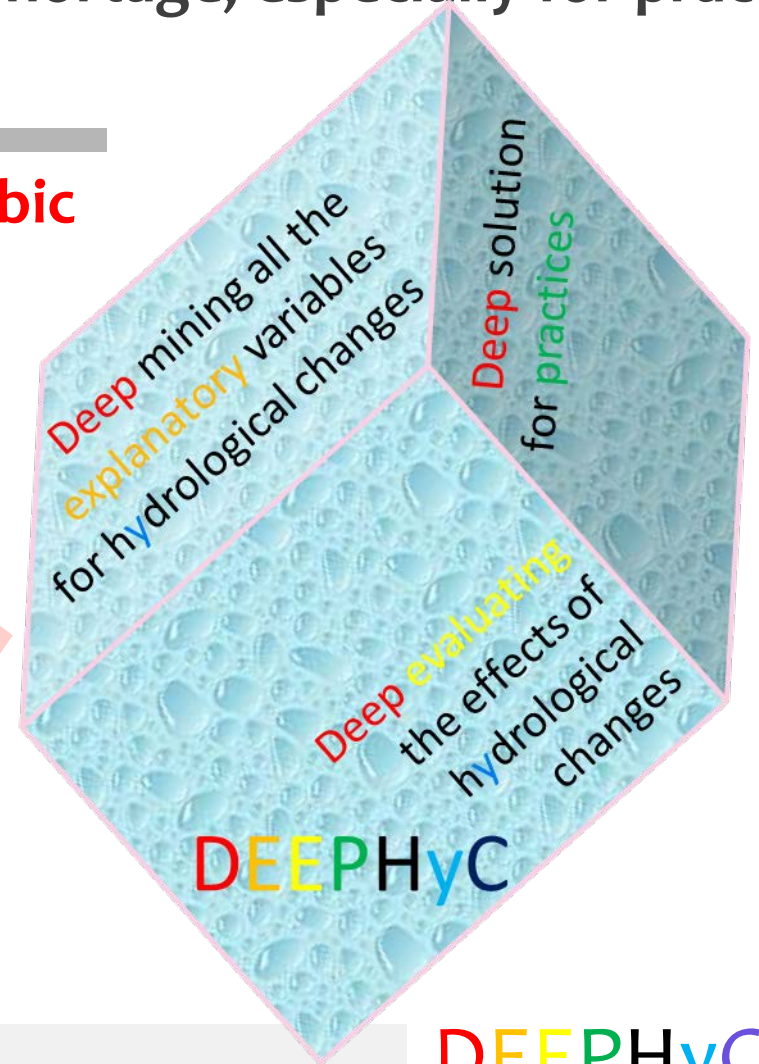
To build a 3-D Water-cubic



Phase 3: Deep solutions (2032-2033)

Phase 2: Deep Evaluation (2028-2031)

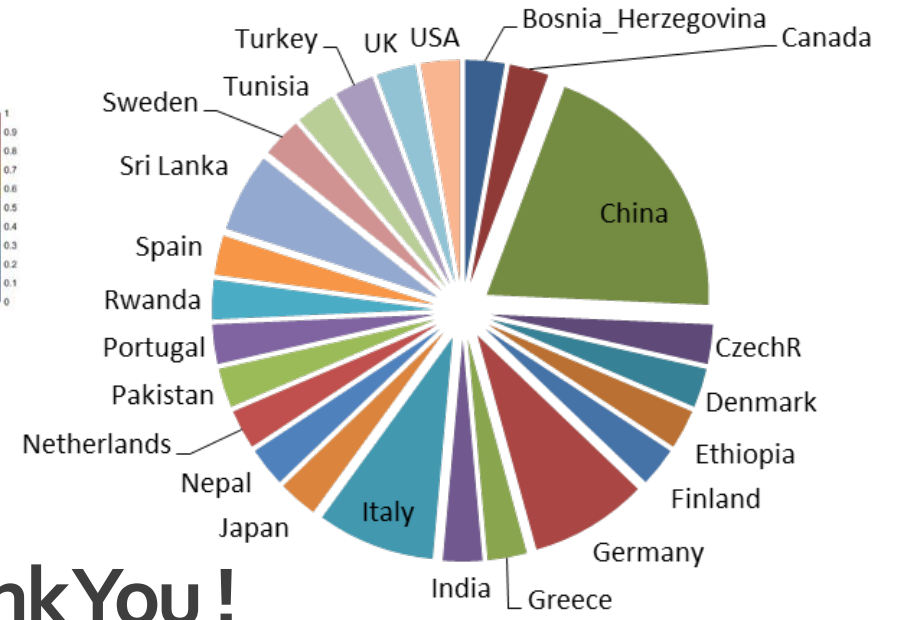
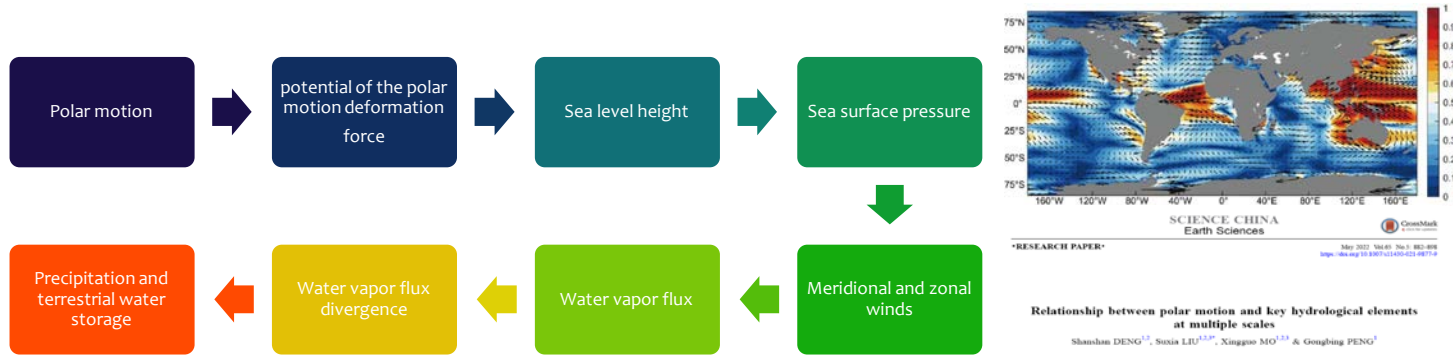
Phase 1: Deep Explanation (2023-2027)



Previous experiences & initiatives

- Distribution of current DEEPHyC members

- How deep can Hydrological changes be explained?



- How deep can Hydrological changes excite others?

AGU ADVANCING EARTH AND SPACE SCIENCES

CLIMATE HAS SHIFTED THE AXIS OF THE EARTH
LOSS OF WATER ON LAND THROUGH ICE MELTING AND HUMAN CAUSE IS CHANGING THE MOVEMENT OF THE NORTH AND SOUTH POLES
21 April 2021

Thank You!
Welcome all to join

- How deep solutions can we obtain to deal with crisis in Hydrological changes

Drivers: Economic development (political agenda), Environmental awareness

Pressures: Pollution input, Input-output, System design

Risks: Greenhouse N concentration, Human health, Ecosystem function

Indicator	Unit	2005	2006	2007	2008	2009	2010	2011	2012
Greenhouse gas emissions	1000 Tg CO ₂ eq	100	100	100	100	100	100	100	100
Water consumption	1000 km ³	100	100	100	100	100	100	100	100
Land use change	1000 km ²	100	100	100	100	100	100	100	100

Targeting sustainable greenhouse agriculture policies in China and Denmark: A comparative study
Sixia Liu^{1,2}, Majken Deichmann^{1,3,4}, Marián A. Moro^{1,5}, Lars S. Andersen¹, Felicitas Li¹, Tommy Dalgaard¹, Ursula S. McKnight^{1,2}

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