

Diagnosing drought for dealing with drought in 3D: Toolbox for increasing drought preparedness in north-east Brazil



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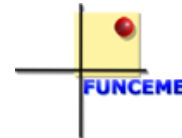
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Project website: 3ddd.wur.nl



FUNDAÇÃO CEARENSE DE METEOROLOGIA
E RECURSOS HÍDRICOS
Governo do Estado do Ceará



Programme

Joint SDG research initiative



◀ List of programmes

➤ **Joint SDG research initiative**

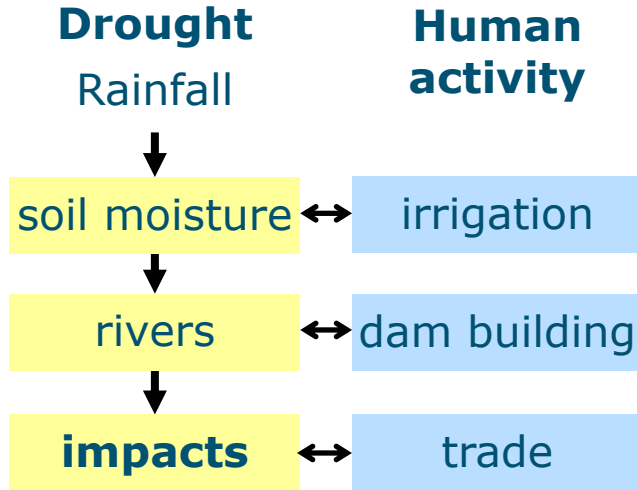
Background

Organisation

Contact

The Joint Sustainable Development Goal research initiative (Joint SDG research initiative) aims to encourage research that contributes to achieving the Sustainable Development Goals in LMICs to the benefit of the most vulnerable people.

Human action matters



+?

local

short-term

import

-?

downstream

long-term

export

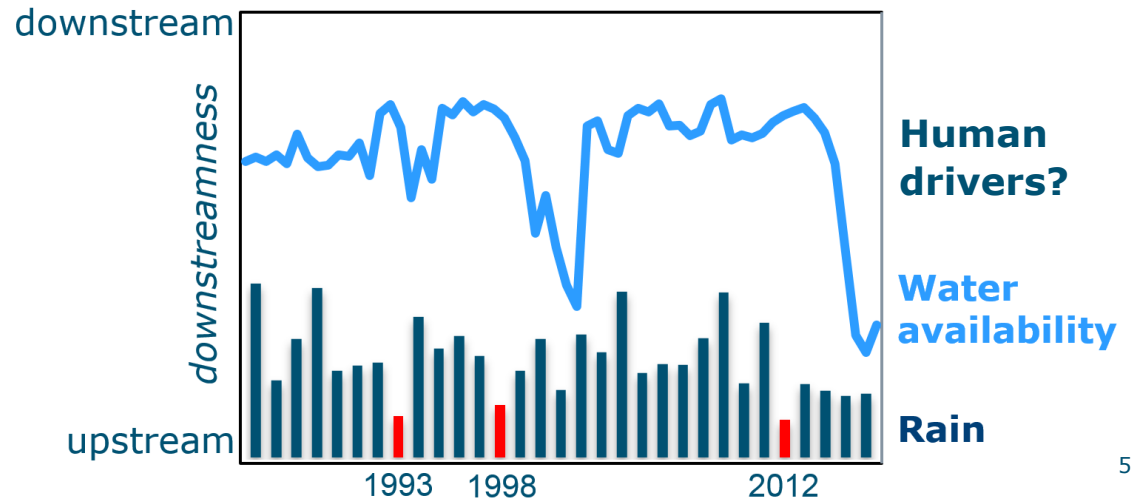
Project aim

Dealing with drought (SDG 2, 6, 10, 13)

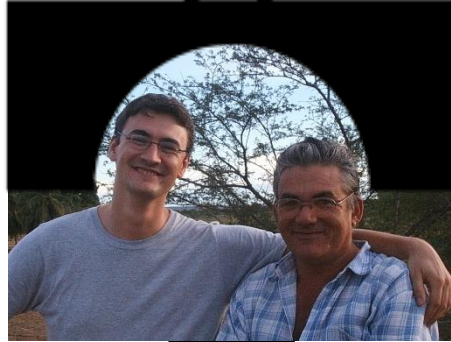
Develop and test the 3D Drought Diagnosis approach for an improved understanding of the **emergence** and **evolution** of human-modified hydrological drought.

Innovation

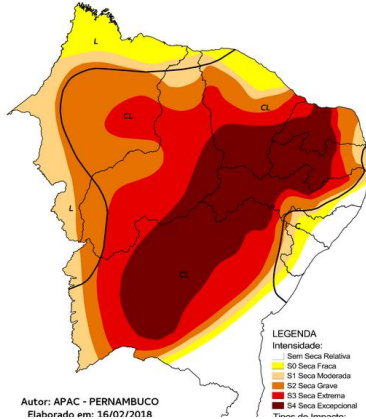
- Including human actions in drought research: water use, management, trade
- Improved theoretical understanding of socio-hydrological dynamics



Hydrology



Society



Drought monitoring

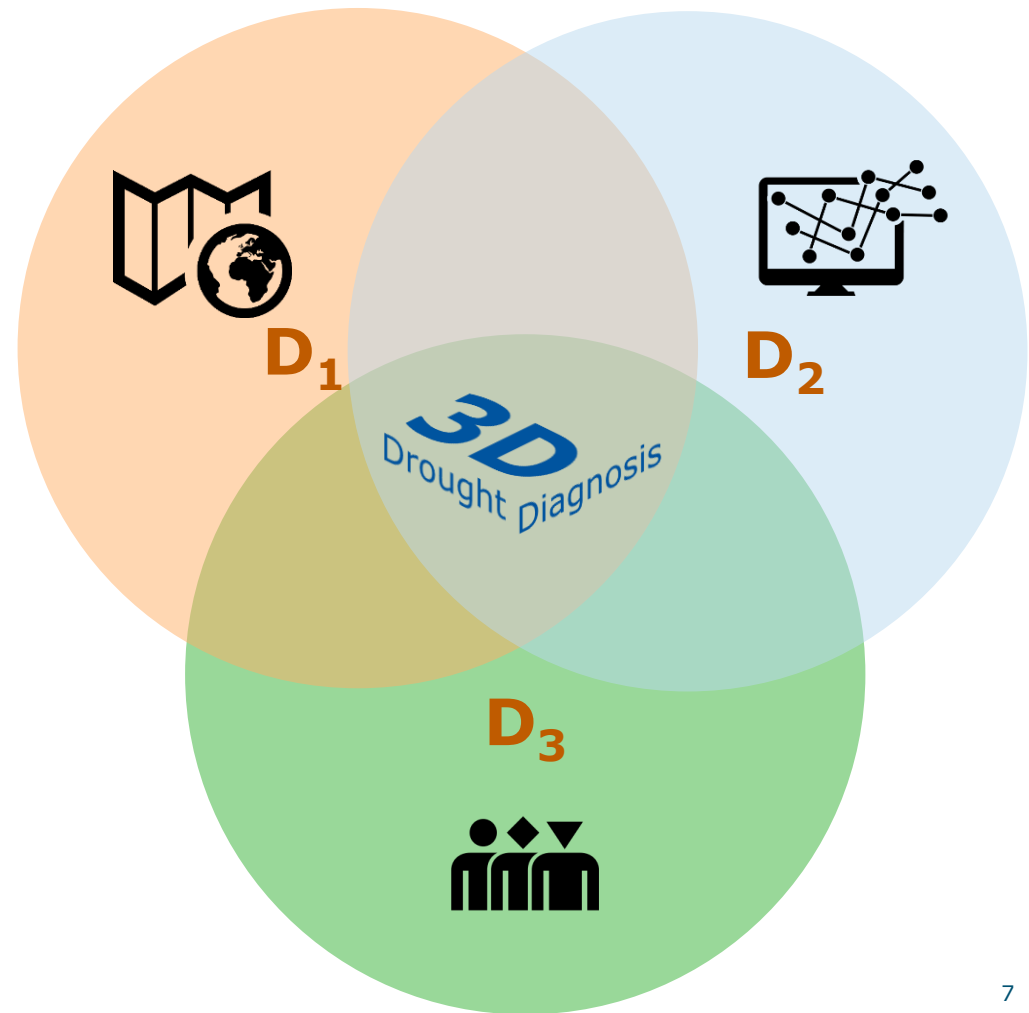
**Theory
+
Action**

Water
ACCOUNTING+

Water management

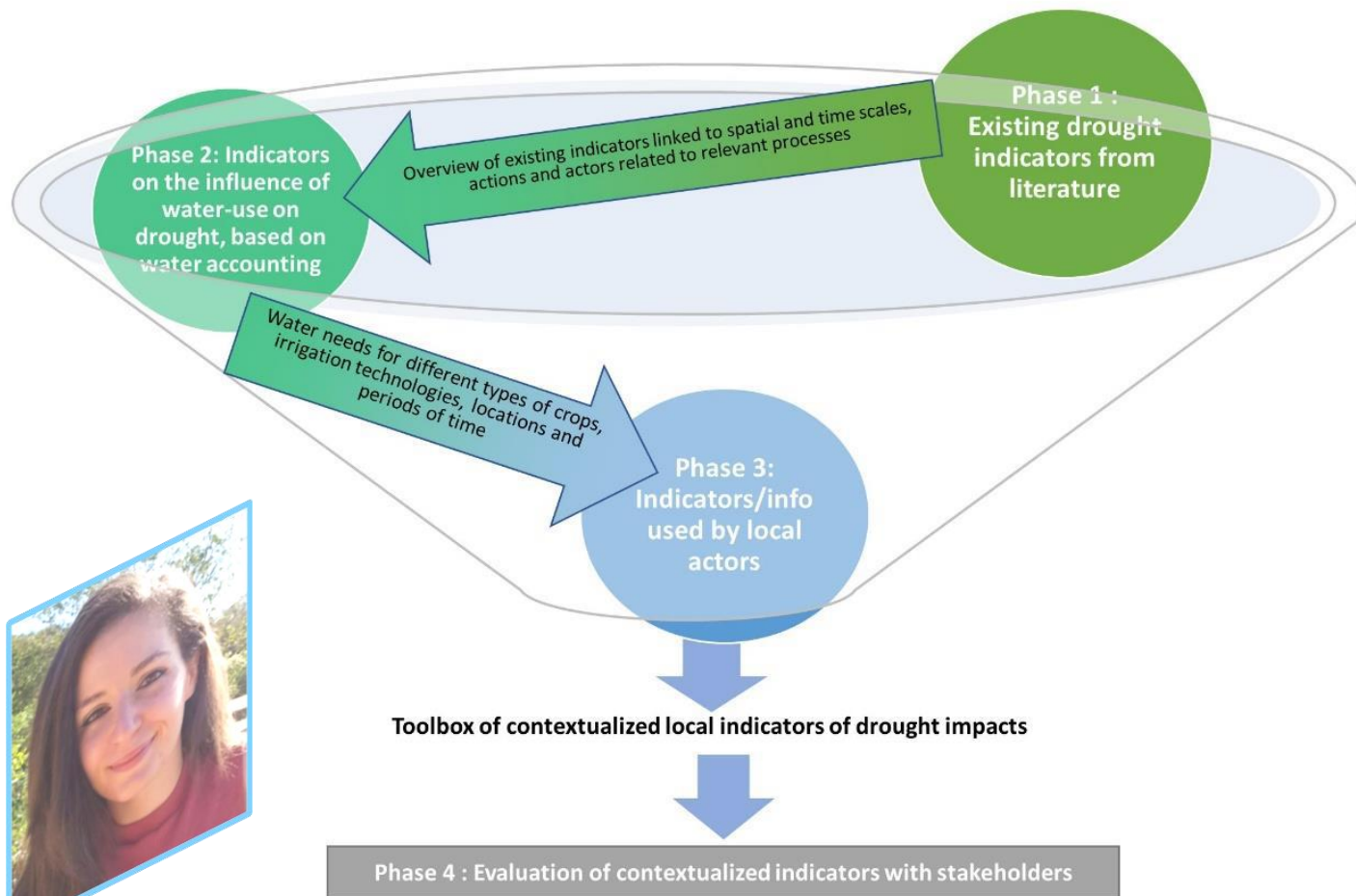
Approach

- Project D_1
Water-related human
dimensions (PhD1)
- Project D_2
Socio-hydrological
dynamics (PhD2)
- Project D_3
Structured
dialogues (PhD3)



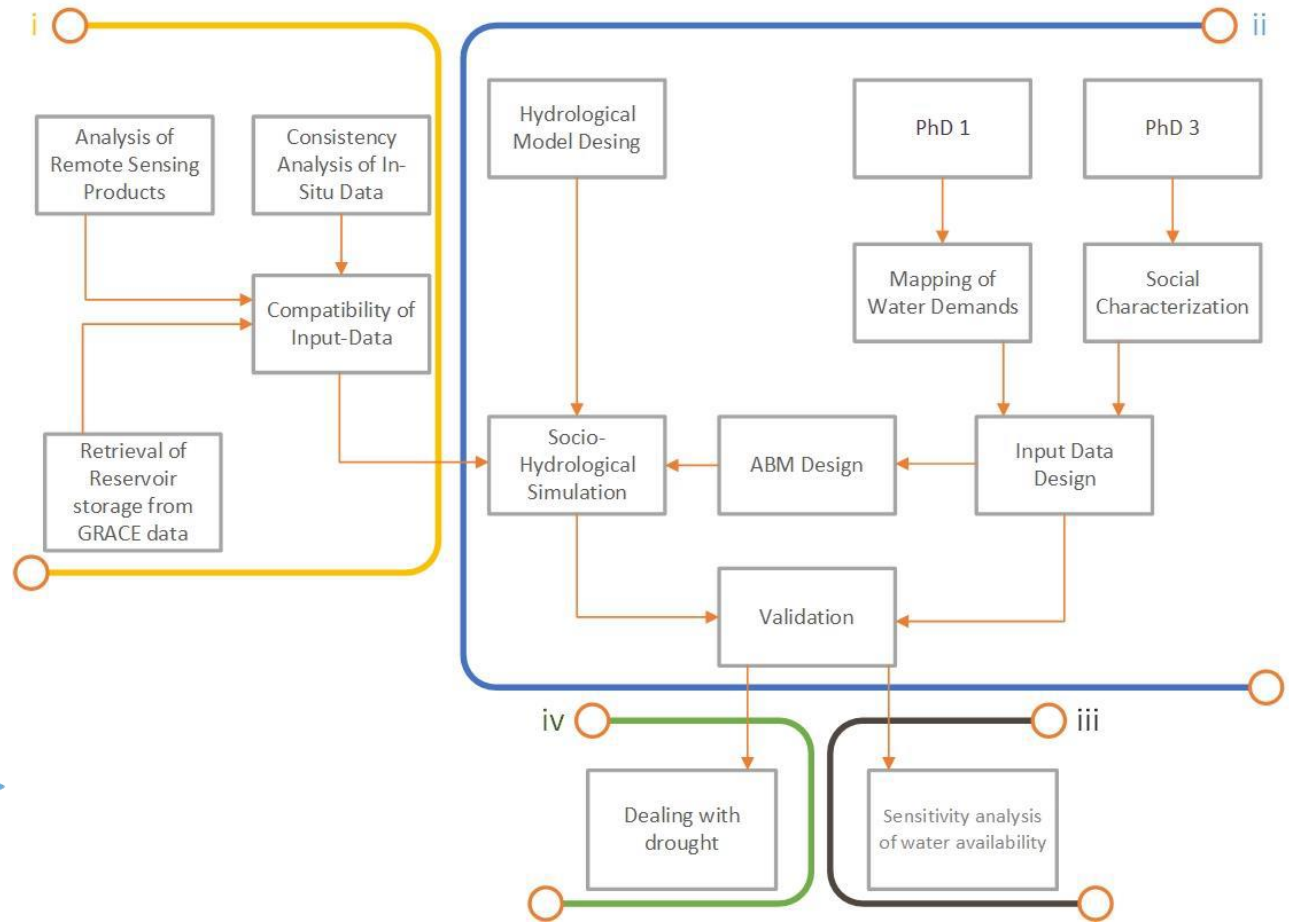
Project D₁ Water-related human **dimensions** (PhD1)

Sarra Kchouk



Project D₂ Socio- hydrological **dynamics** (PhD2)

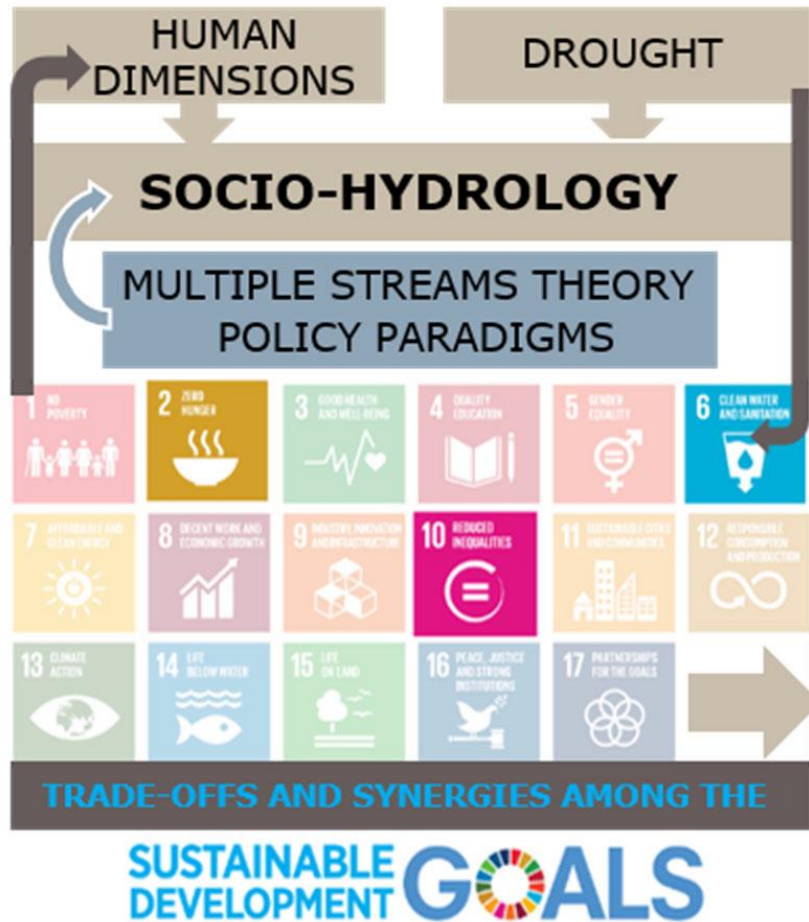
Germano Gondim



Project D₃ Structured **dialogues**

(PhD3)

Louise Cavalcante



**Drought
preparedness**
*at national, state
and local levels*



**Thank
you!**

