

Site Suitability Analysis for water management using Geospatial Technologies in arid areas

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Context

- Water scarcity is more pronounced in the African arid and semi arid Lands (ASALs) as showing in Figure 1.

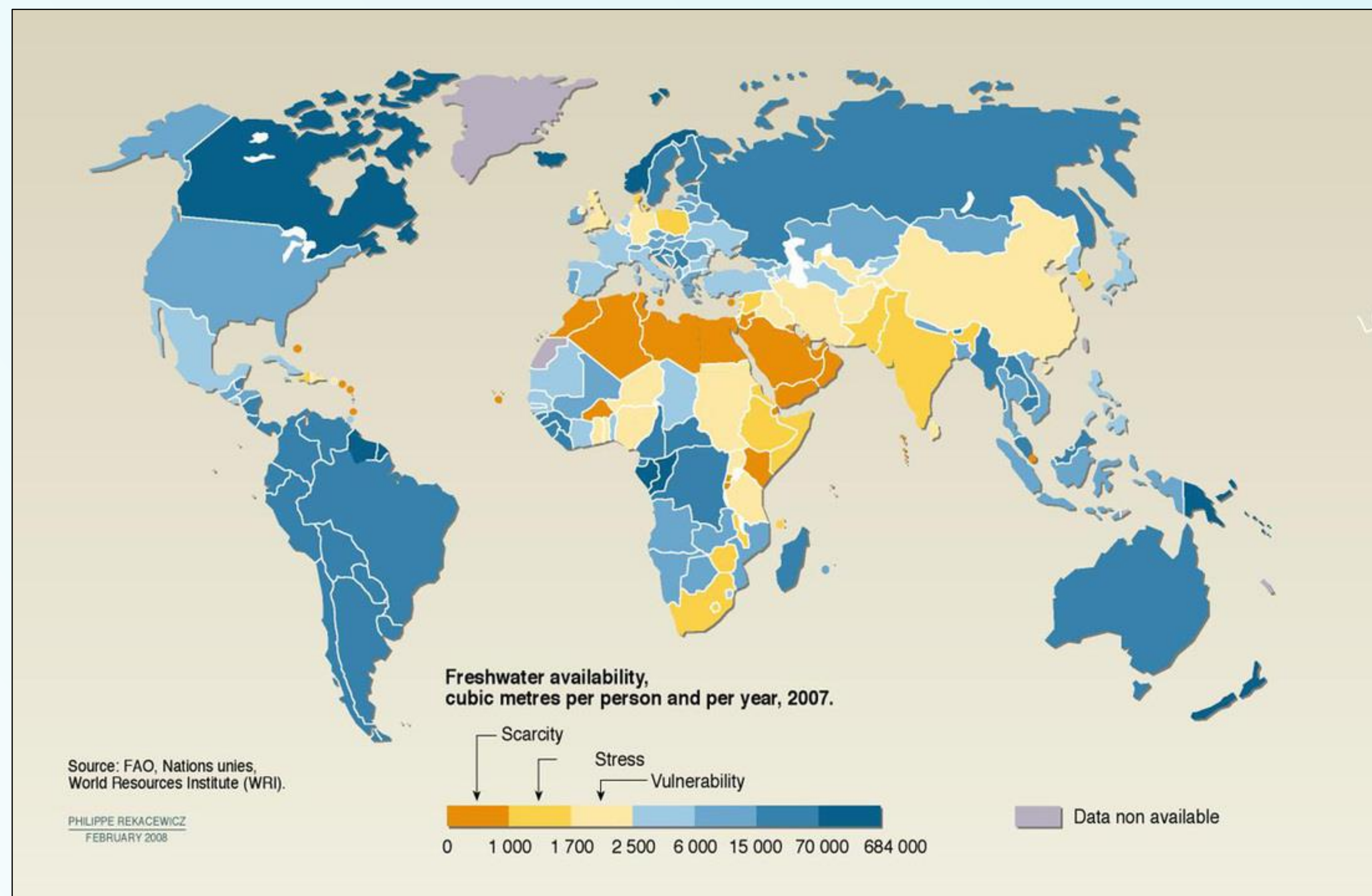


Fig 1. World water scarcity level

- Water harvesting using dams and its suitable management will help to extend the land-use period (Pedroza-Sandoval et al 2017).
- Geo-spatial tools can be used to identify and manage suitable sites for dam construction, but such expertise is still lacking.

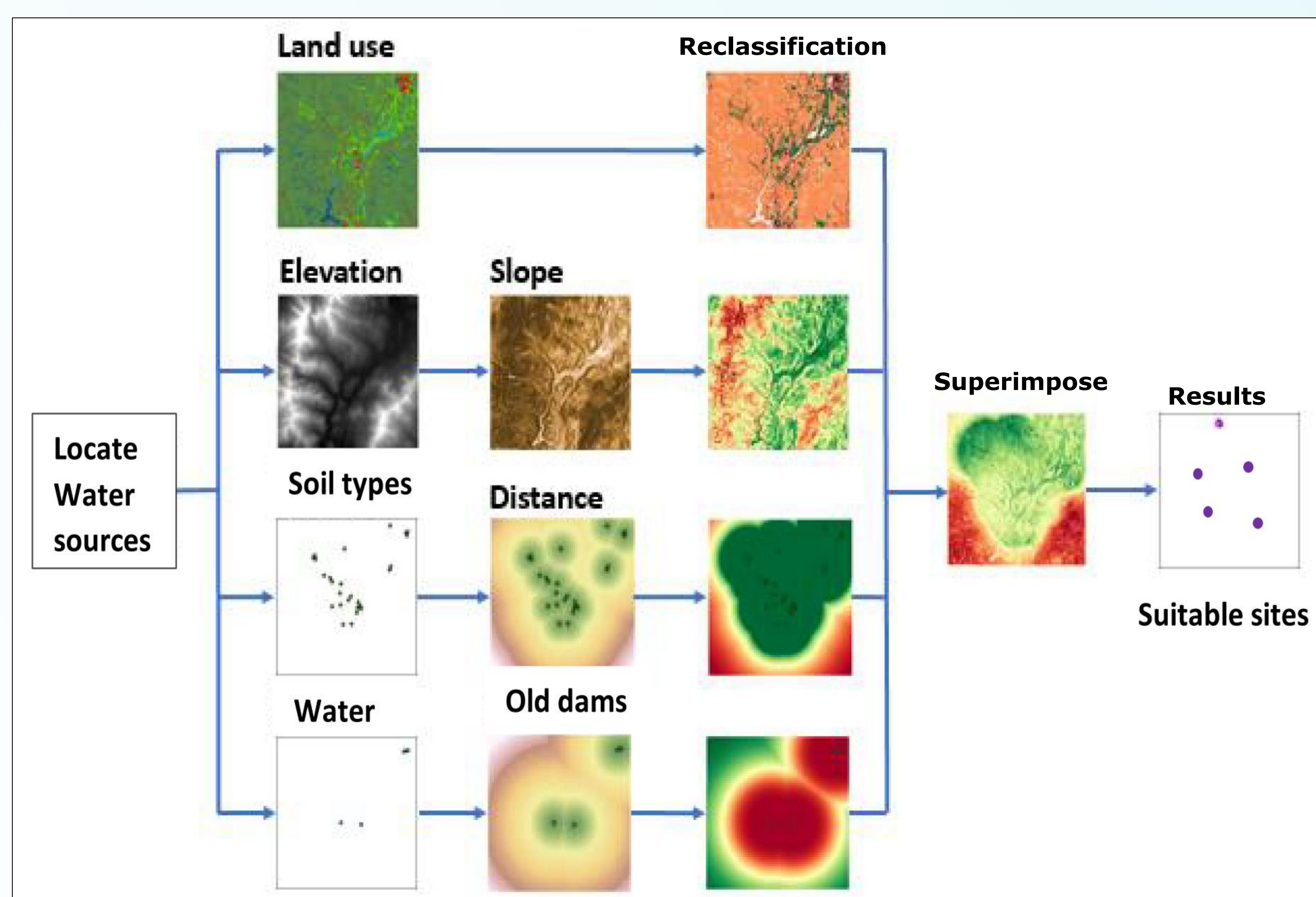
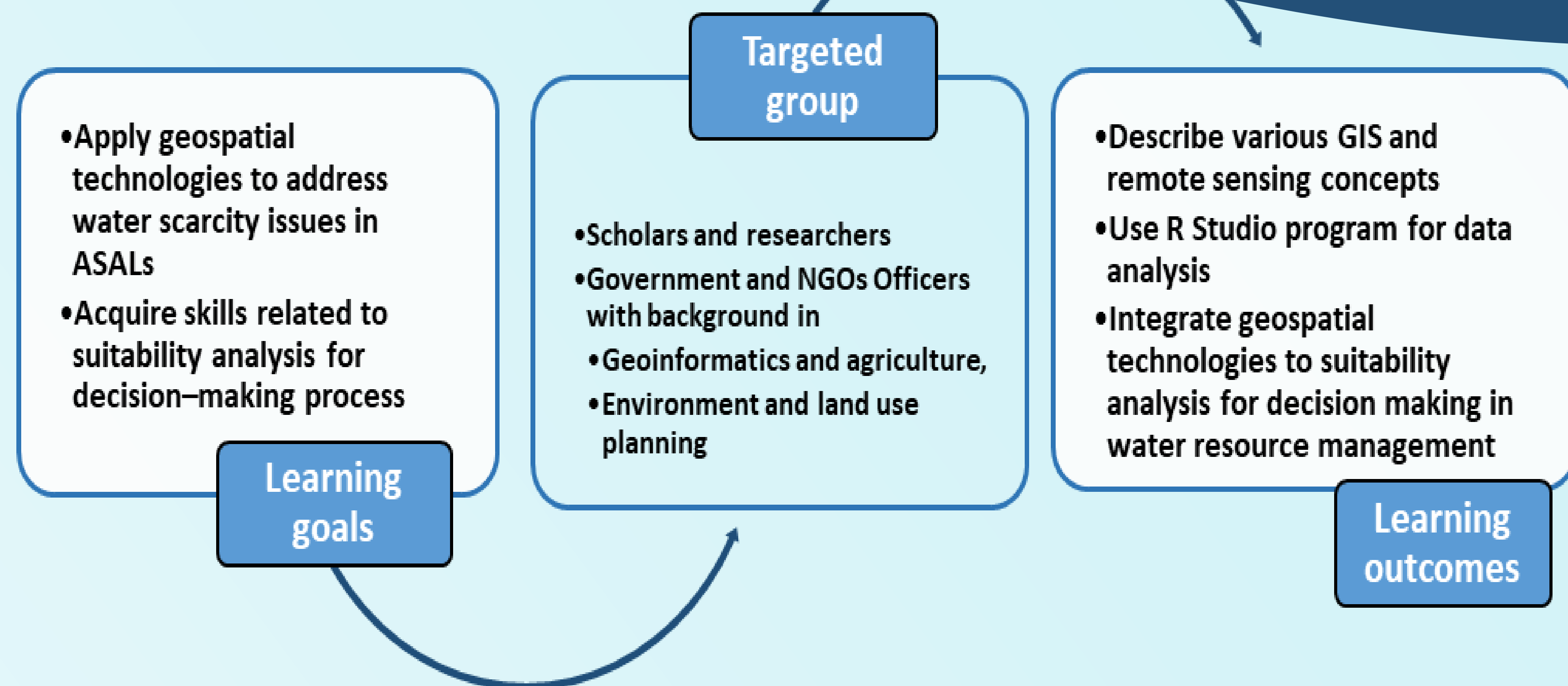


Fig 2. Site suitability analysis process



Photo 1. Constructed dam to address water scarcity

Learning goals, target group and outcome



Learning environment and course content



Learning theory paradigms



Experiential Learning



Information



25 slots available



- Deadline: 25th June 2020
- 10-14 August, 2020



Sun Beach Hotel, Benin



For more details, visit www.geowater.org

References

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- Pedroza-Sandoval, A, Trejo-Calzada, R, & ... (2017). Water Harvesting and Soil Water Retention Practices for Forage Production in Degraded Areas in Arid Lands of Mexico. *New Perspectives in ...*, books.google.com
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