



Sustainable Water Supply and Resources Management

A Case Study from the town of Hababah, Amran Governorate, Yemen

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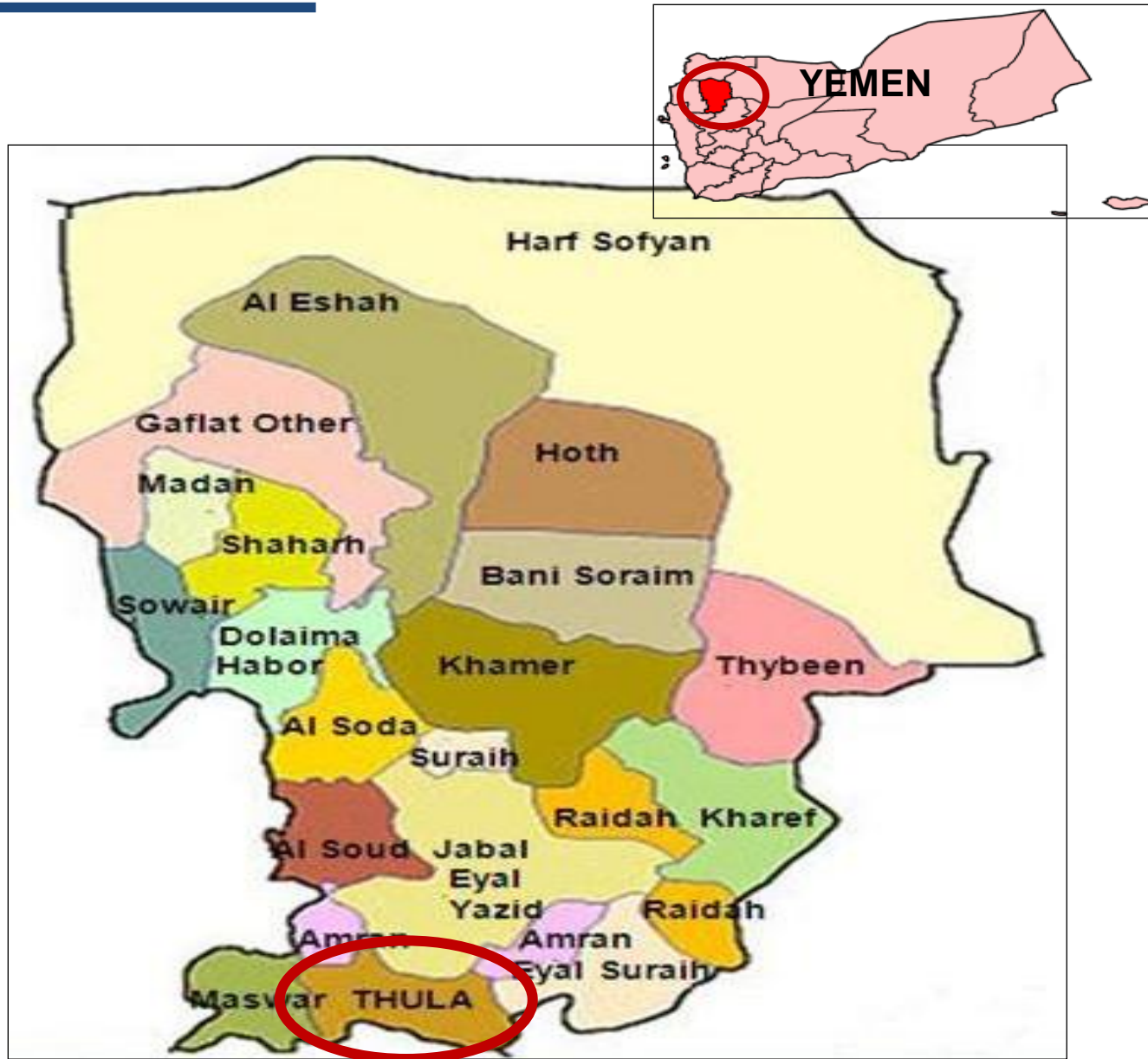
Outline

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Sustainable human development

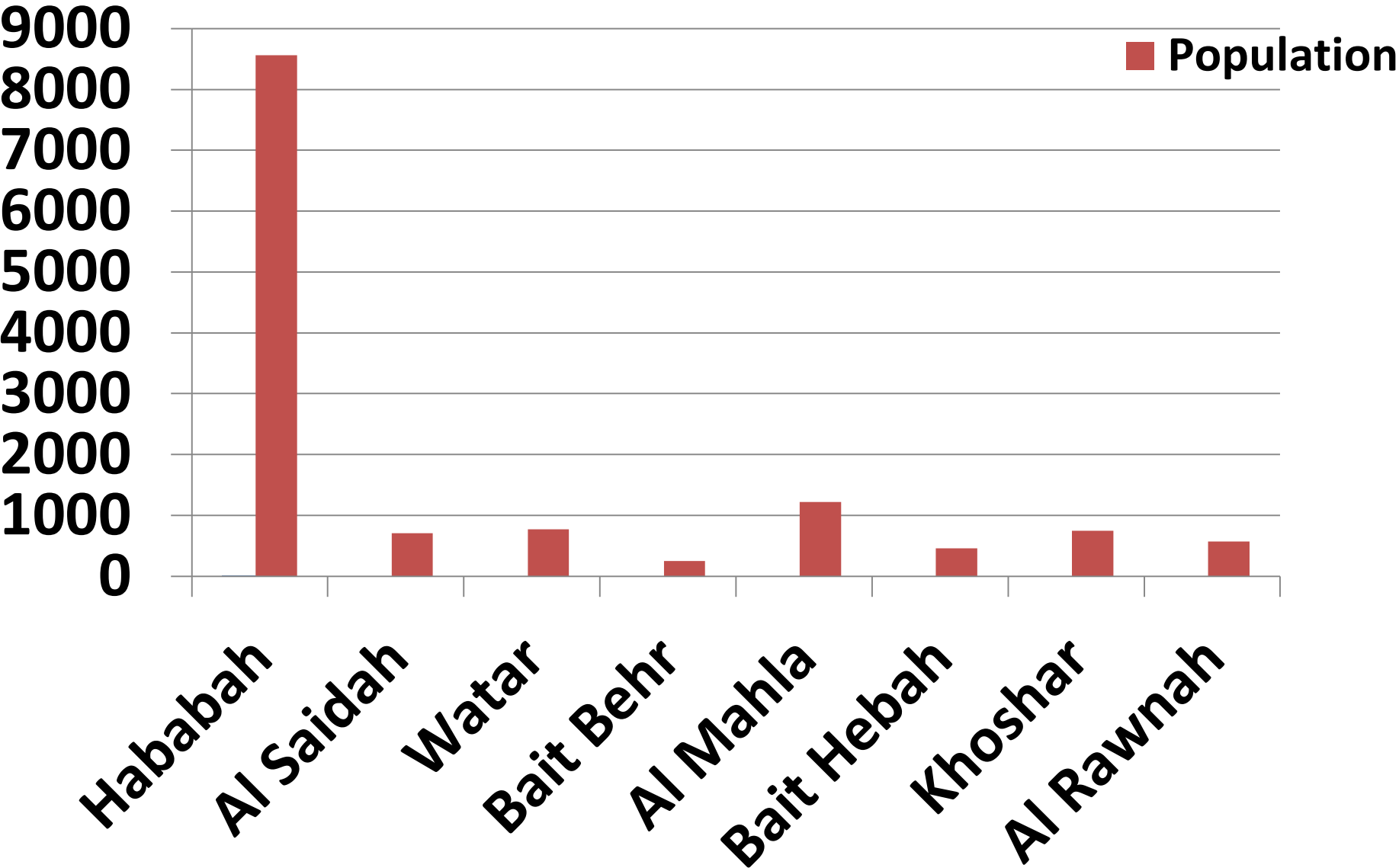
- Is dependent on the availability of water
- Role of community participation on sustainable water supply & resources management
- How they have helped to improve the conditions in poor rural areas and protected the resource for future generations

Introduction



Map of Amran Governorate

Demographic indicators, (Census 2004)



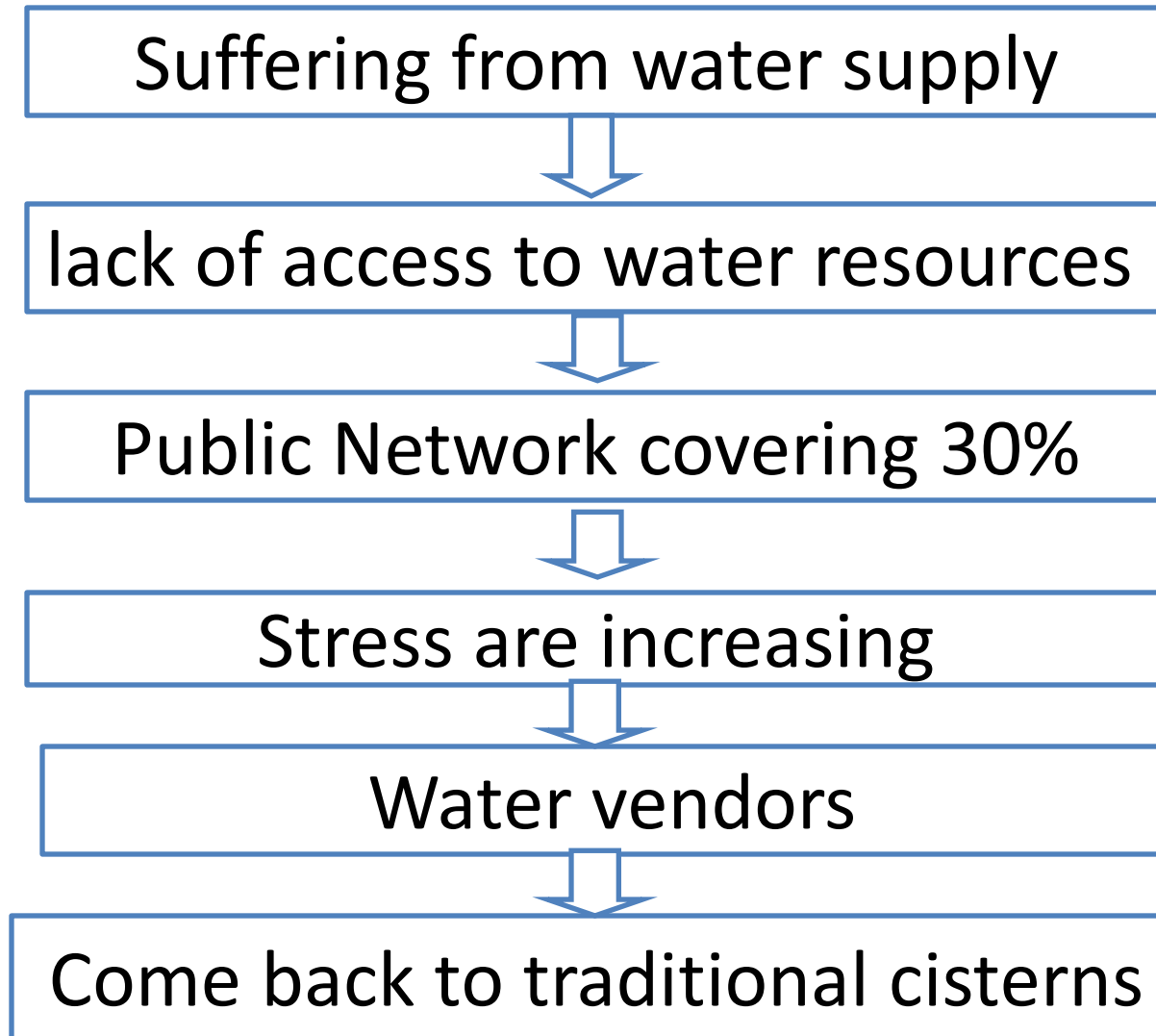
Water Resources

- Rain/runoff,
- surface water e.g. springs
- Cisterns

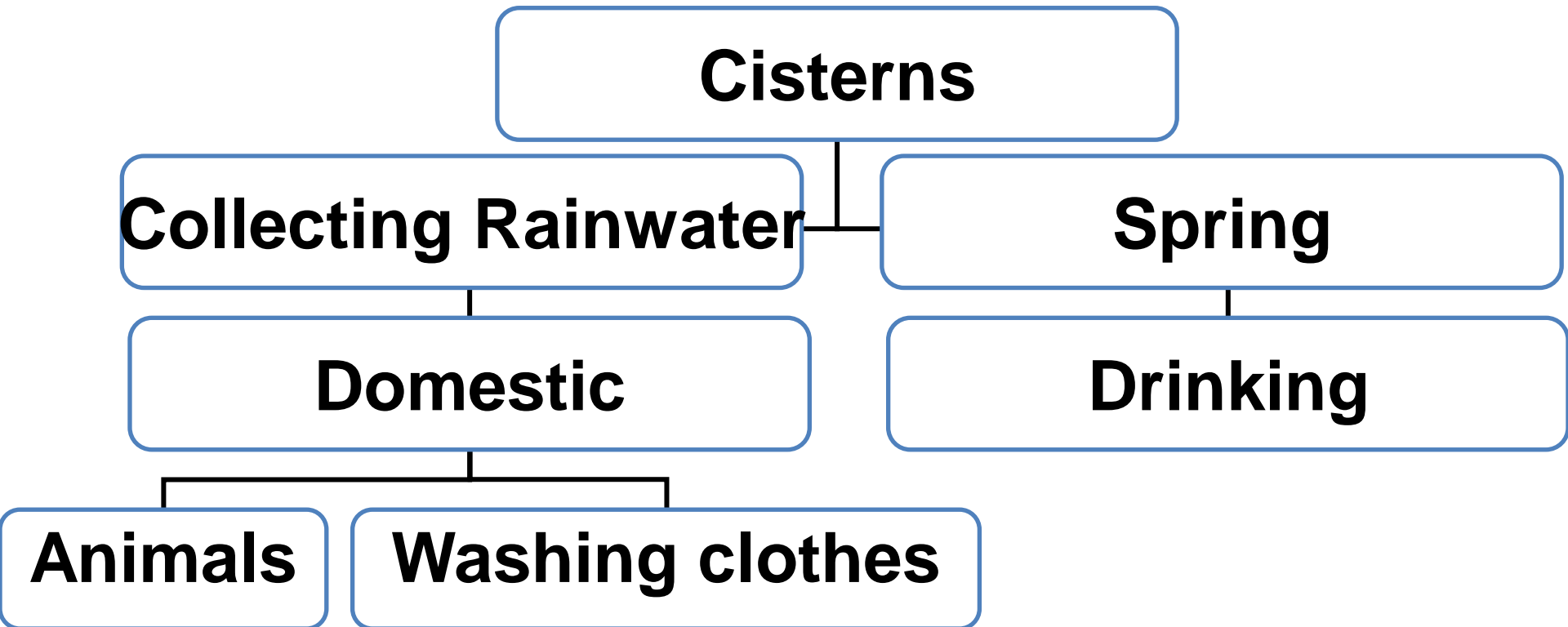
Water Challenge

- Limited resources
- How to manage this finite resource, today & in the future?

Water Status in the area

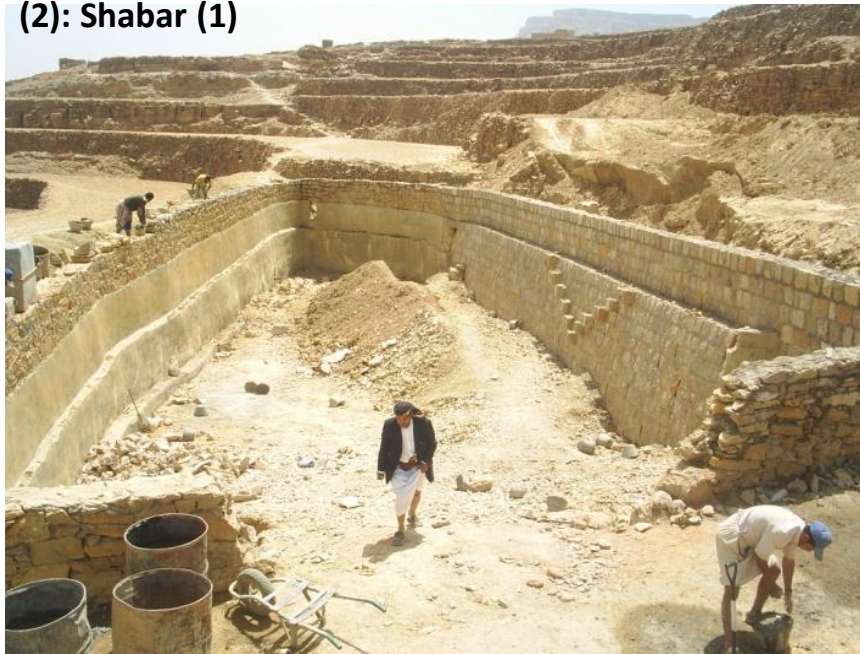


Cisterns classifications



e.g Cisterns

(2): Shabar (1)



(4): Shabar (2)



e.g Cisterns

(1): Al Hajarn



e.g Cisterns



e.g Cisterns

(6): AL Sannaf



Output

- > 15 cisterns
- Capacities 70,000 m³
- 2/3 of capacity have been used each year
- > 2,000 families & 20,000 inhabitants

Conclusions

- Cisterns help people to alleviate poverty & contributing significantly in a sustainable manner
- Rebuilt and rehabilitated cisterns promotes other villages and towns to start sustainable use of water resources

Thank you