

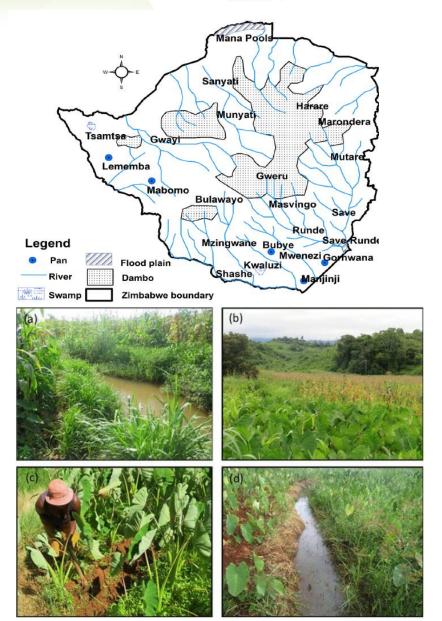
Wetlands and agriculture in Zimbabwe: Trade-offs dilemma

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Introduction/Context

- Wetlands cover 3% of Zimbabwe total area
- Natural wetlands dambos, floodplains, pans & swamps
- 21% are classified as stable, 18 % severely degraded & 61% moderately degraded
- 42% of wetlands in communal areas & 28% resettlement areas
- Major use agriculture





Livelihoods, drivers & regulation

- Benefits food security, income generation etc.
- Wetland agriculture drivers:
 - Moist conditions
 - Fertile soils
 - Population growth
 - Macro-economic challenges
 - Climate change (frequent droughts) etc.
- Laws and policies for sustainable wetland agriculture – EMA Act, Policy and Management Guidelines
- Lack of comprehensive and updated www.wetlands inventory







Wetland agriculture – practices and threats

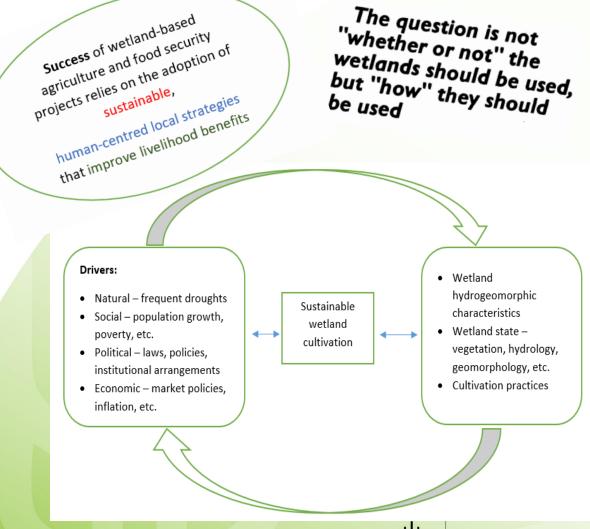
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- Wetland threats ranking 1st cultivation & 2nd livestock grazing
- Cultivation methods ox-drawn ploughs???, ridges & furrows
- Degradation draining, increased levels of nutrients and pollutant loads, increased water abstraction, gullies, etc.
- Shift towards sustainable wetland agriculture
 - conservation farming practices -infiltration pits, sand traps, crop rotation, vegetation strips, animal and green manure and compositing, botanical pesticides, removal of invasive species,



Future of wetlands and agriculture

- Understand and balance trade-offs
 - Assess suitability of farming practices wetlands with different hydrogeomor characteristics
 - Strengthening local and indigenous knowledge systems
 - Comprehensive wetlands inventory information
 - Integration of near real time EO based wetland monitoring and assessment platforms, e.g. WeMAST for timely interventions
 - Strengthening enforcement of laws and policies



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Thank you!