Water Crisis in Africa? Perspectives from Zambia

World Water Celebration
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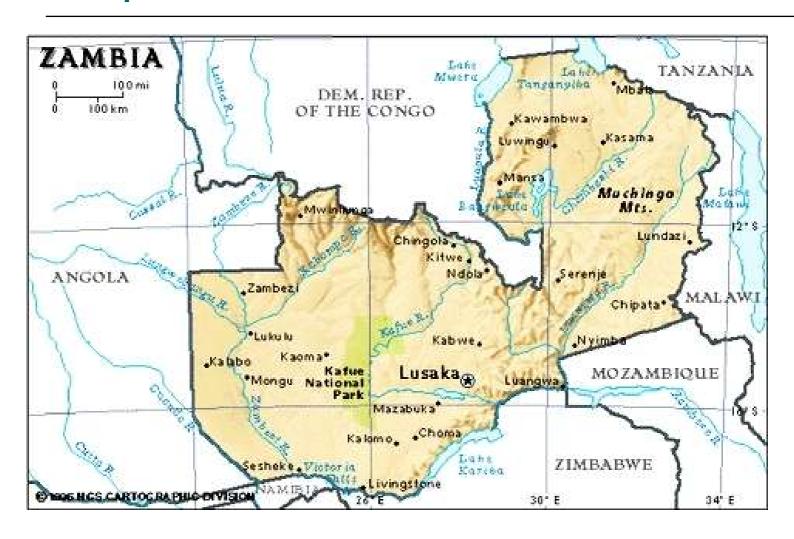
Presentation Flow

- Introduction
 - Water resources and regulation
- Large scale agriculture
 - Commercial farmers individuals and estates
 - Ground water abstraction
- Small scale agriculture
 - Subsistence and income generation
 - Irrigation schemes
 - Surface water
- Industrial water use
 - Mining companies
- Emerging themes

Background

- Available resources
 - Quantity
 - Quality
- Traditional uses
 - Domestic, Industrial, Livestock, Agriculture
- Water related Acts
 - Water Act, Pollution, Water and Sanitation
- Regulation
 - Water Board, ECZ, NWASCO
- National Water Policy
 - Principles, Strategy

Map of Zambia



Large Scale Agriculture

- Water use
 - Ground water and surface water
- Crops produced
 - High margins, export market
- Organisation
 - Local water boards
- Perceptions
 - Water quality and quantity
 - Expanding irrigation
 - Paying for abstraction

Small Scale Agriculture

- Water use
 - Surface water
- Crops produced
 - Low margins, subsistence
- Organisation
 - Water user associations
 - Irrigation schemes
- Perceptions
 - Water quality and quantity
 - Ownership and external intervention
 - Income generation and food security

Industrial use

- Mining
 - Underground, mineral loads
- Parastatals
 - Domestic water
- Private companies
 - Core operations
- Perceptions (management)
 - Charges, licensing

Some emerging themes

- Classification of water
 - Implications on water use and main drivers
- Institutional arrangements
 - Local considerations
- Private sector participation
 - Mixed model for service delivery