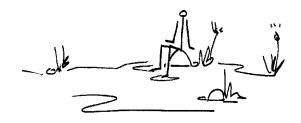
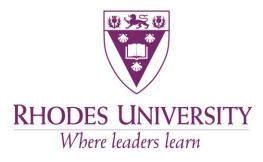
Institutional arrangements for complex social ecological systems: catchments and WMA's

Tally Palmer

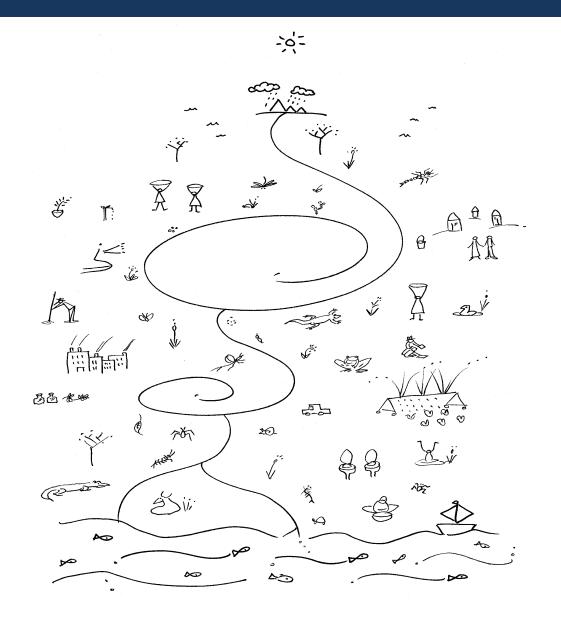
Institute for Water Research



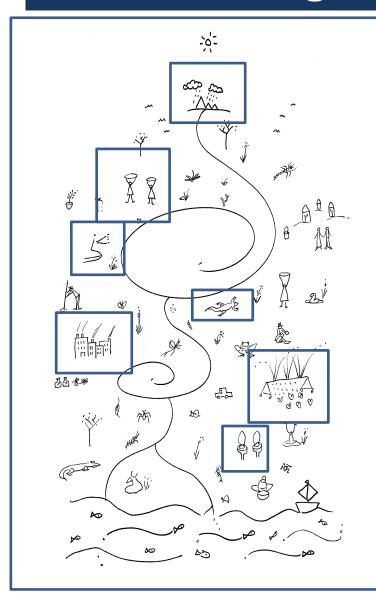




We all live on this planet, in a catchment

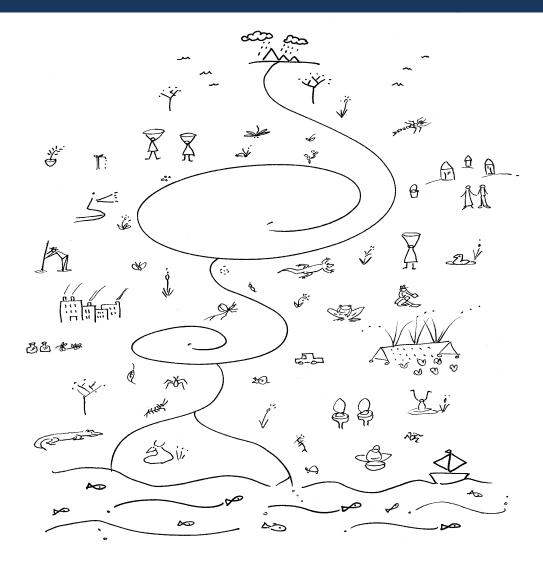


Why is implementing policy, strategy and legislation so hard?



- so many interacting parts
- non-linear processes
- feedbacks
- water by its nature connects and integrates
- even with the principles of equity, sustainability and efficiency
- ALL people CANNOT have ALL THEY WANT at the same time in the same place
- discontent and disappointments are experienced as "wicked problems"
- need new approaches:
 MAKING IMPLEMENTATION REAL

Seeing catchments as social-ecological systems (integrated or holistic)



Effective implementation requires good governance by appropriate institutions

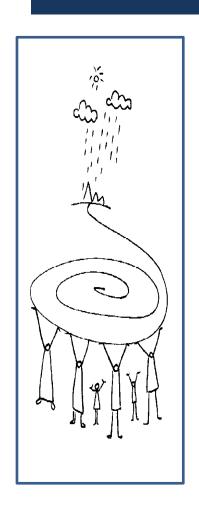
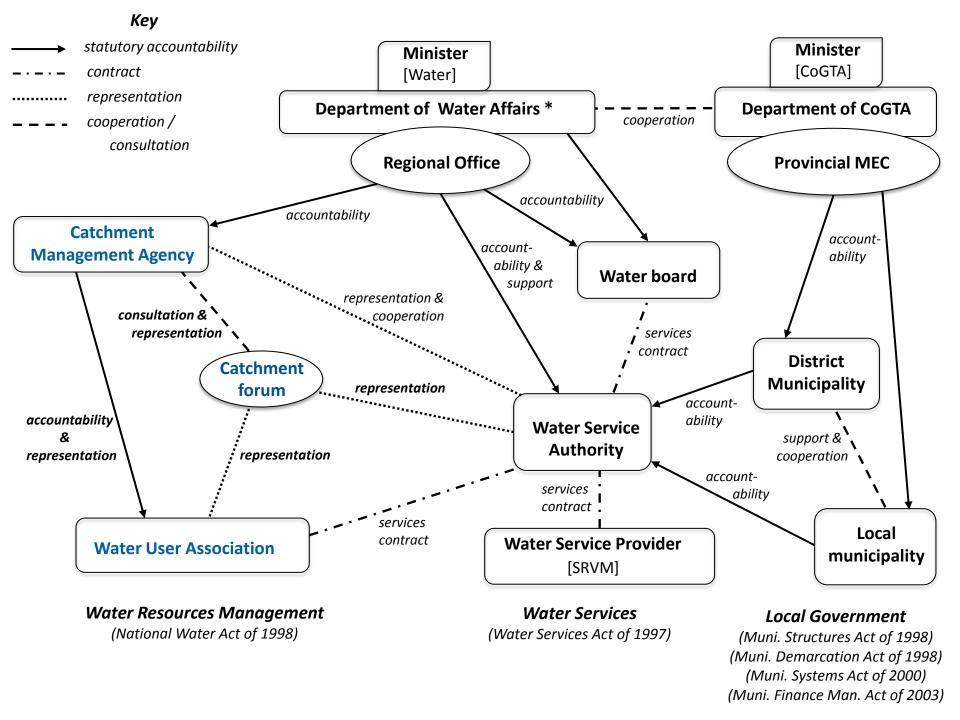
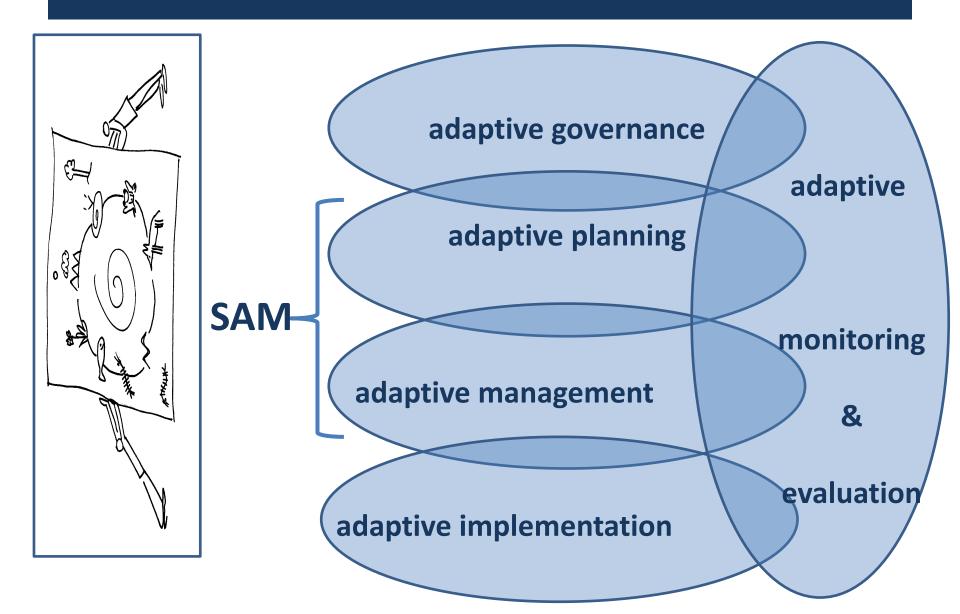




Figure 12: Water management areas in which CMAs will be established



Adaptive processes



Catchment management forum workshops

HOGSBACK /ALICE



FEEDBACK

CONCERNS

- 1. ECOSYSTEM HEALTH
- 2. WATER INFRA MANAGEMENT
- 3. COMMUNICATION OF INFO
- 4. POLLUTION & WASTE OF HO
- 5. PRODUCTIVITY OF LAND



- 1. FORMALIZE CMF
- 2. DEVELOP CMF VISION
- 3. ELECT CHF STRUCTURE
- 4. PROVIDE INFORMATION
- 5. BE AN ACTIVE PARTICIPANT

STAKEHOLDER IDENTIFICATION

- Higher Education/Learning Institutions Traditional Leaders
- Traditional Healers
- Local Communities
- Religious Groups
- Farmers
- -Government Dept.s & Municipalities -Civil Society Organization S
- NGO'S
- Women Associations
- Businesses (eg. Car Wash, Hair Salonsetc









