

Alliance for Water Stewardship Standard



Global Best Practice

by

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Presented to SAFMA Regional Conference
Cape Town 11 October 2018

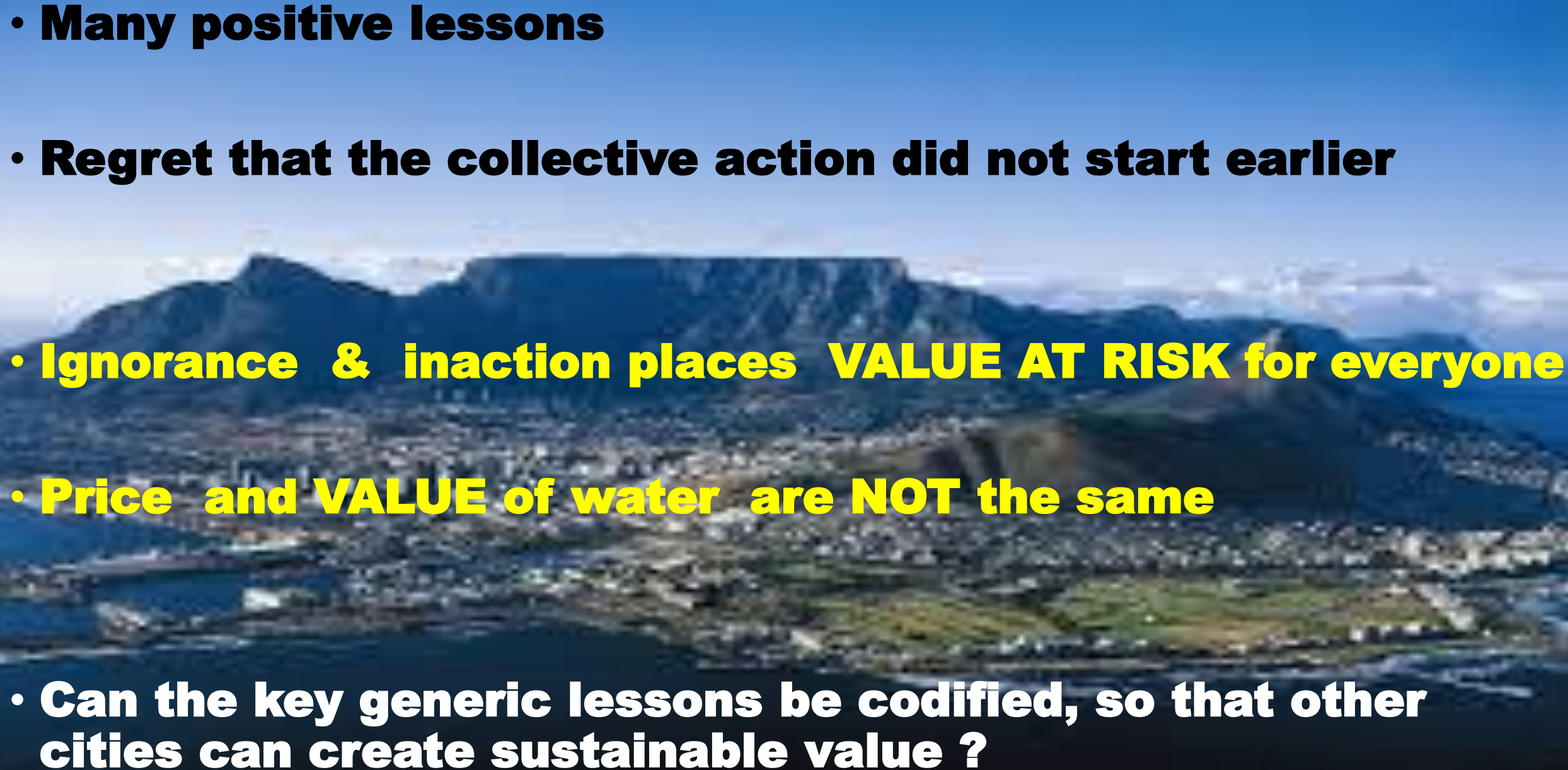
- **What is water stewardship ?**
- **Why is water stewardship so vital to sustaining VALUE ?**
- **How to create value through the water stewardship standard ?**



What is **Water Stewardship**?

- **Water stewardship is the behaviour that Cape Town displayed to get through the drought crisis**
- **Commit**-- to working together
- **Gather & understand** Work off the same set of facts & figures
- **Plan** .. Together.. Co-create OPTIONS & co-consider their CONSEQUENCES
- **Implement**
- **Evaluate**
- **Communicate** transparency & candour
- **Used good business thinking** ...whole systems; interest-based bargaining; economies of scale; institutional memory; learn-learn-learn;

Lessons from Cape Town

- **Many positive lessons**
 - **Regret that the collective action did not start earlier**
 - **Ignorance & inaction places VALUE AT RISK for everyone**
 - **Price and VALUE of water are NOT the same**
 - **Can the key generic lessons be codified, so that other cities can create sustainable value ?**
- 

YES

International Alliance for Water Stewardship has developed a Water Stewardship Standard



Implementing the AWS standard helps sites to

- Understand their water use in the context of a catchment
- Build internal capacity through a stepwise learning framework
- Manage water risks at site level and through supply chains
- Engage effectively and build trust with local stakeholders
- Demonstrate real leadership in addressing water challenges

Two parts to **RISK** that destroys **VALUE**

Event

**Systemic
event**

Response

**Systemic
response**



Cape Town produced a **SYSTEMIC** response

- **Next time the systemic response will be much better**
- **How do we know this?**
- **Because you have ...**BEEN THERE DONE THAT !****

Question in investors minds, is

How can we know a facility's ability to sustain value in the face of a water crisis in its catchment or supply chain ?

*The Alliance for Water Stewardship Standard was the result of an international, four-year, multi-stakeholder process **which responded to the growing need for EVIDENCE of robust water risk and impact mitigation efforts.***



AWS is a global, MEMBER based organisation



Why is water stewardship so vital to sustaining VALUE ?



CITIES OF THE PRESENT AND FUTURE

Water sensitive urban design reconfigures cityscapes with softer surfaces that slow flow and allow penetration. More water is reused and recycled, limiting demand.



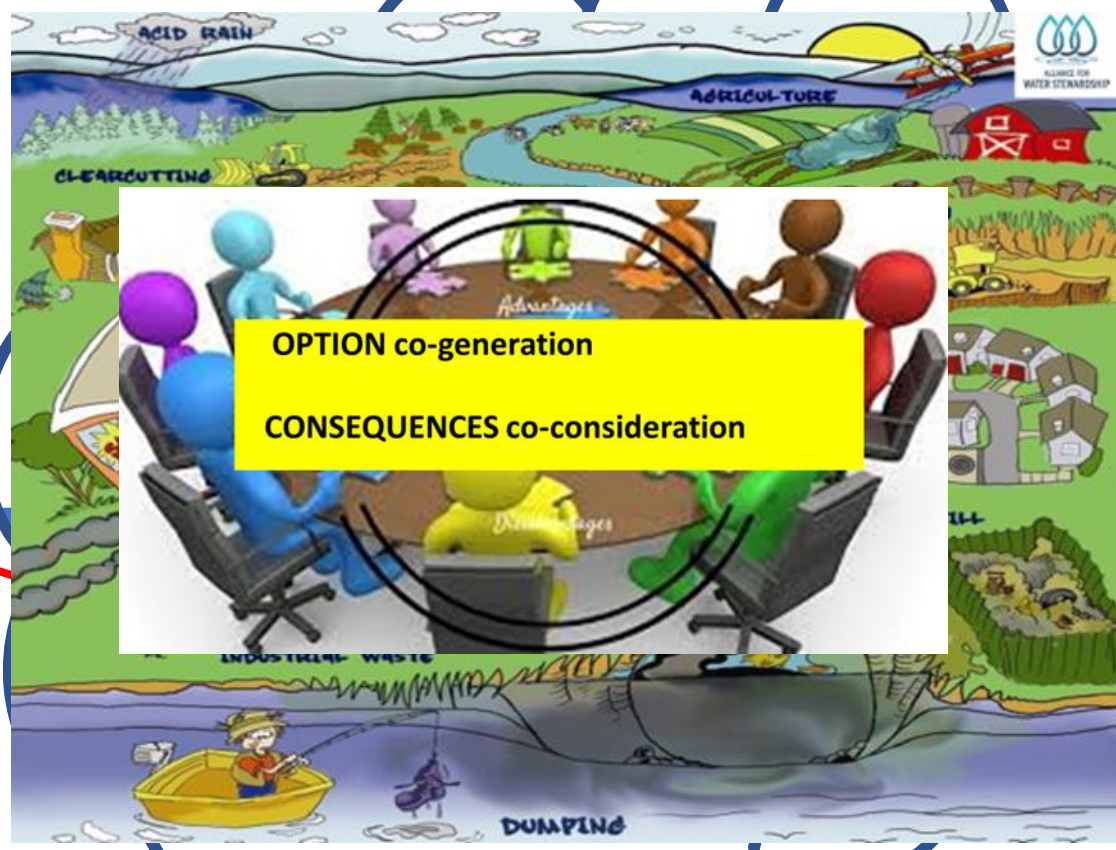
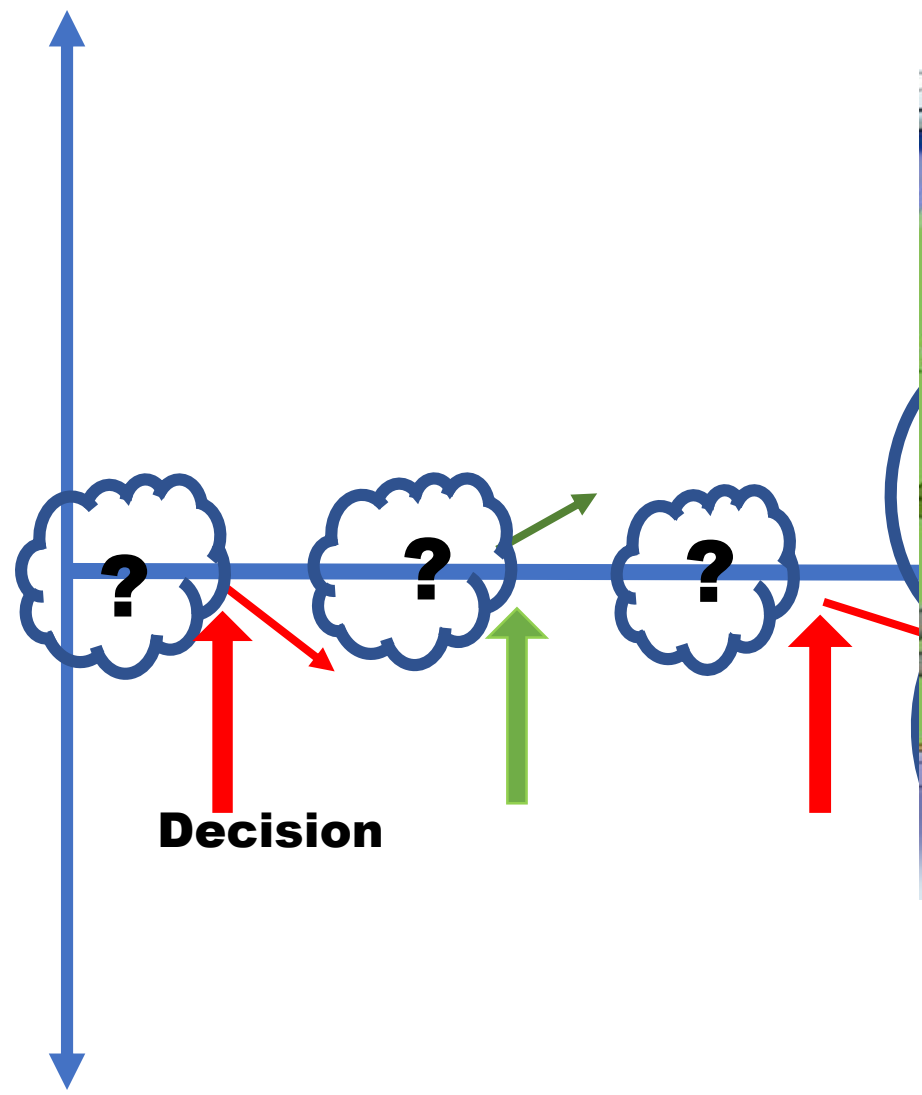
We are confronting a 21st century climate with 20th century infrastructure & 19th century institutions & norms



The Cape Drought is just the beginning

Creating Value

Destroying Value



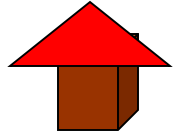
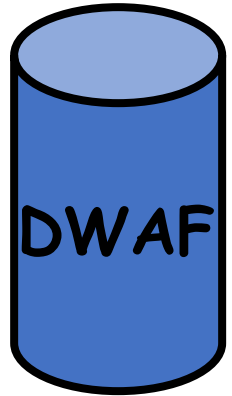
DWS

Time

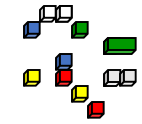
Why does the Department of Water & Sanitation (DWS)

not just ... DO ITS JOB ?

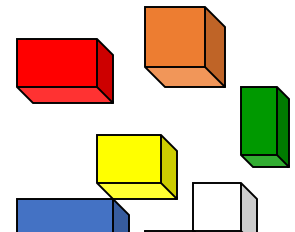
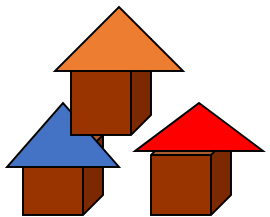
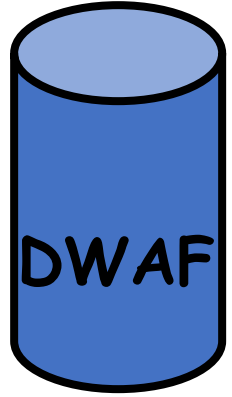
1960



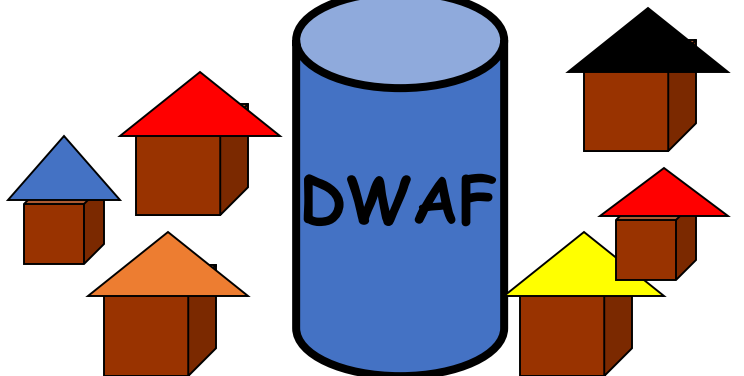
Issues



1980



2006



Stake

Knowledge balance ?

- | | | | |
|--|--|--|--|
| | 1 No Poverty
Lack of water is the most extreme form of deprivation for the poor | | 9 Industry, Innovation and Infrastructure
Infrastructure is essential to deliver water at scale |
| | 2 Zero Hunger
Water is essential for growing food and enhancing nutrition | | 10 Reduced Inequalities
The rich have more access to water while the poor often pays more |
| | 3 Good Health and Well-being
Health and hygiene requires clean water | | 11 Sustainable Cities and Communities
Urbanisation provides massive threats and opportunities for water provision |
| | 4 Quality Education
Access to schools for girls impacted by availability of water and sanitation | | 12 Responsible Consumption and Production
Water is often wasted across society and business can improve efficiency |
| | 5 Gender Equality
Women literally carry a disproportionate burden to provide water for the family | | 13 Climate Action
The most pressing mitigation action on climate change is water security |
| | 6 Clean Water and Sanitation
Water and sanitation are closely linked, while reducing pollution and water use both enhance availability | | 14 Life Below Water
Rivers pollute the oceans while desalination can provide drinking water |
| | 7 Affordable and Clean Energy
All forms of energy require water for production | | 15 Life on Land
Natural infrastructure and biodiversity prevent floods and droughts and help to clean water for human consumption |
| | 8 Decent Work and Economic Growth
Economies thrive or decline based on water availability | | 16 Peace, Justice and Strong Institutions
Water governance is the single biggest challenge and potential solution for global access to clean water |
| | | | 17 Partnerships for the Goals
All water risks require action at a scale where partnerships are essential |



Creating Value

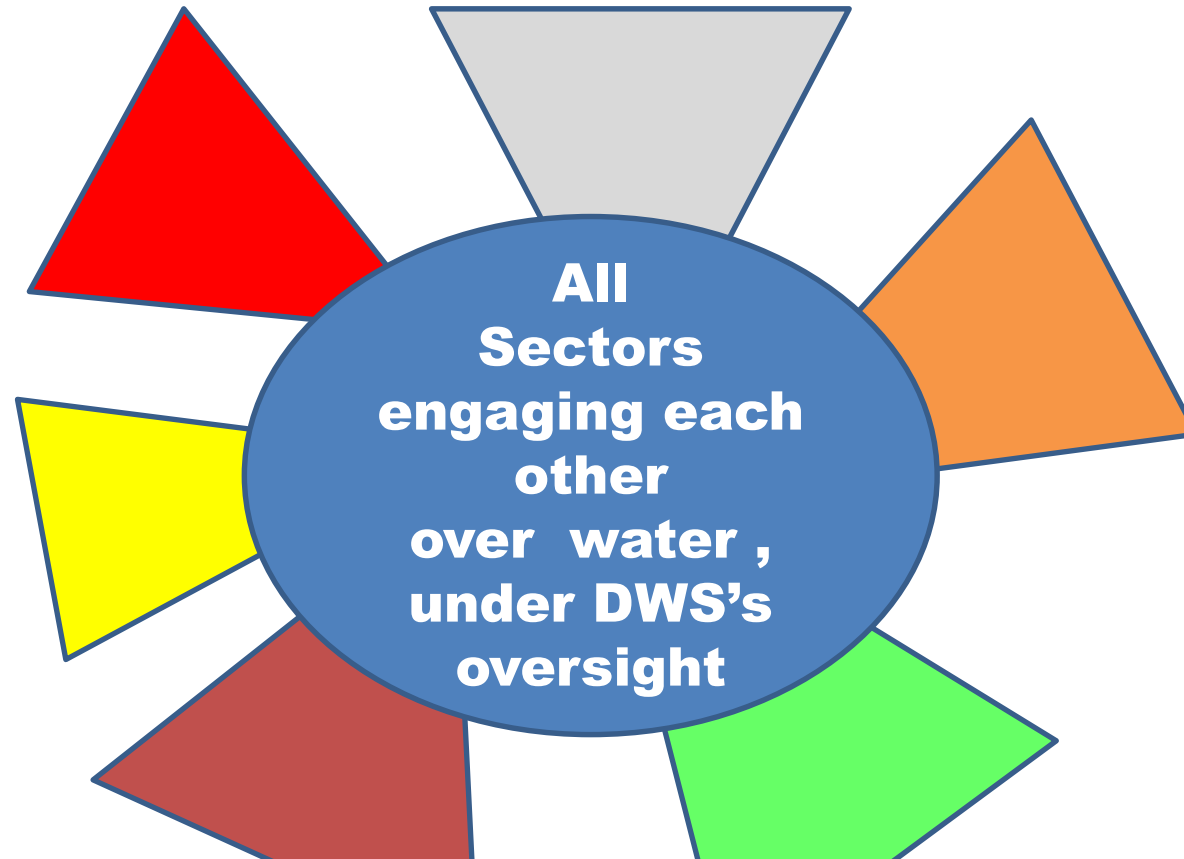


**Key DWS created
organisations in this space**

Time

Destroying Value

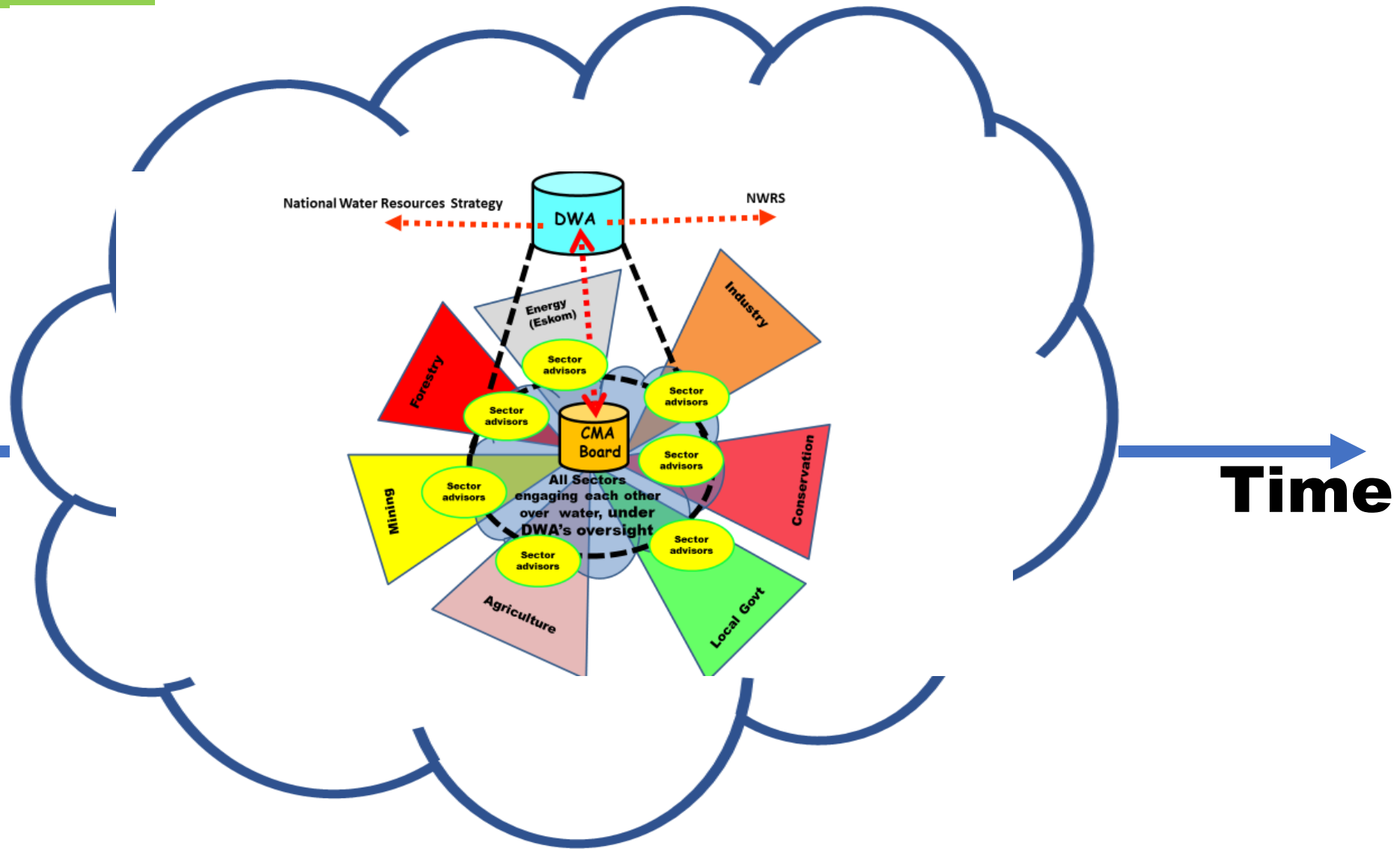
1998 NWA started movement to **collective engagement** by all sectors of **society**



CMAs

Creating Value

Destroying Value



Water Standard application

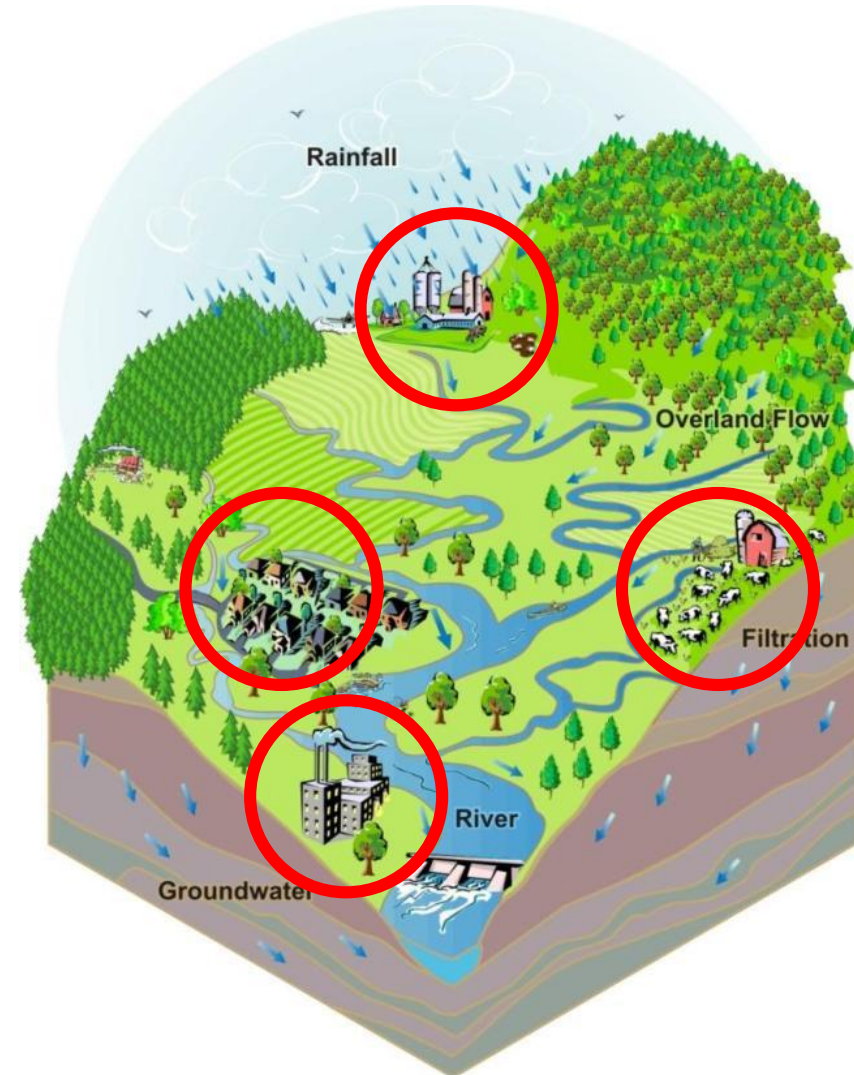
- Major water using site or facility

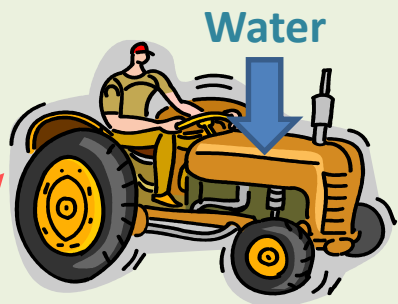
Relationships with stakeholders

- Other water users
- Communities
- Ecosystems

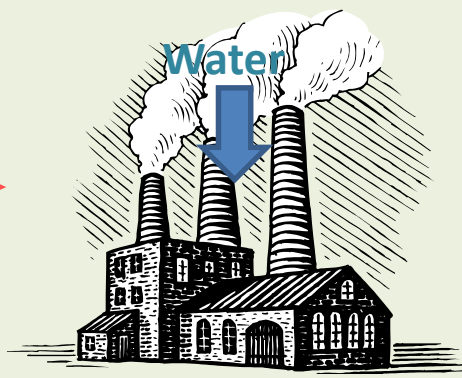
Impacts on catchment

- Water Balance
- Water Quality
- Important water related areas
- Water governance





Producer



Processor



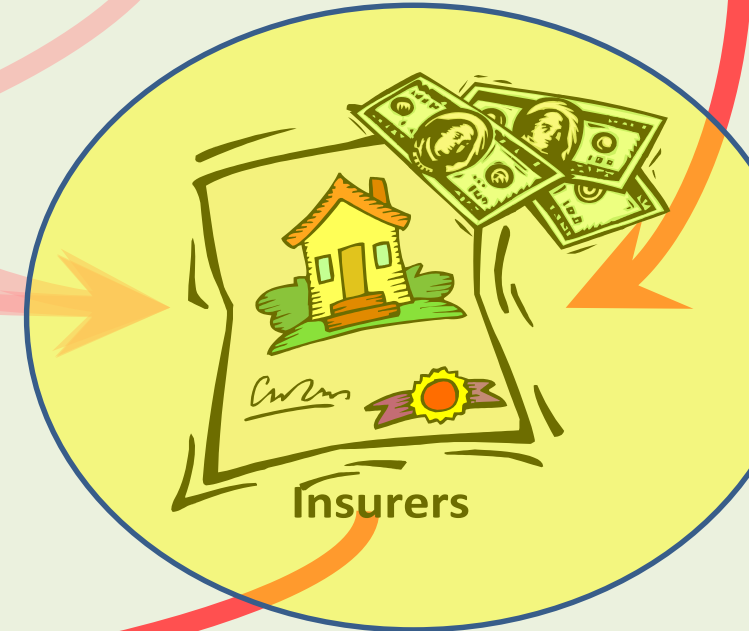
Retailer



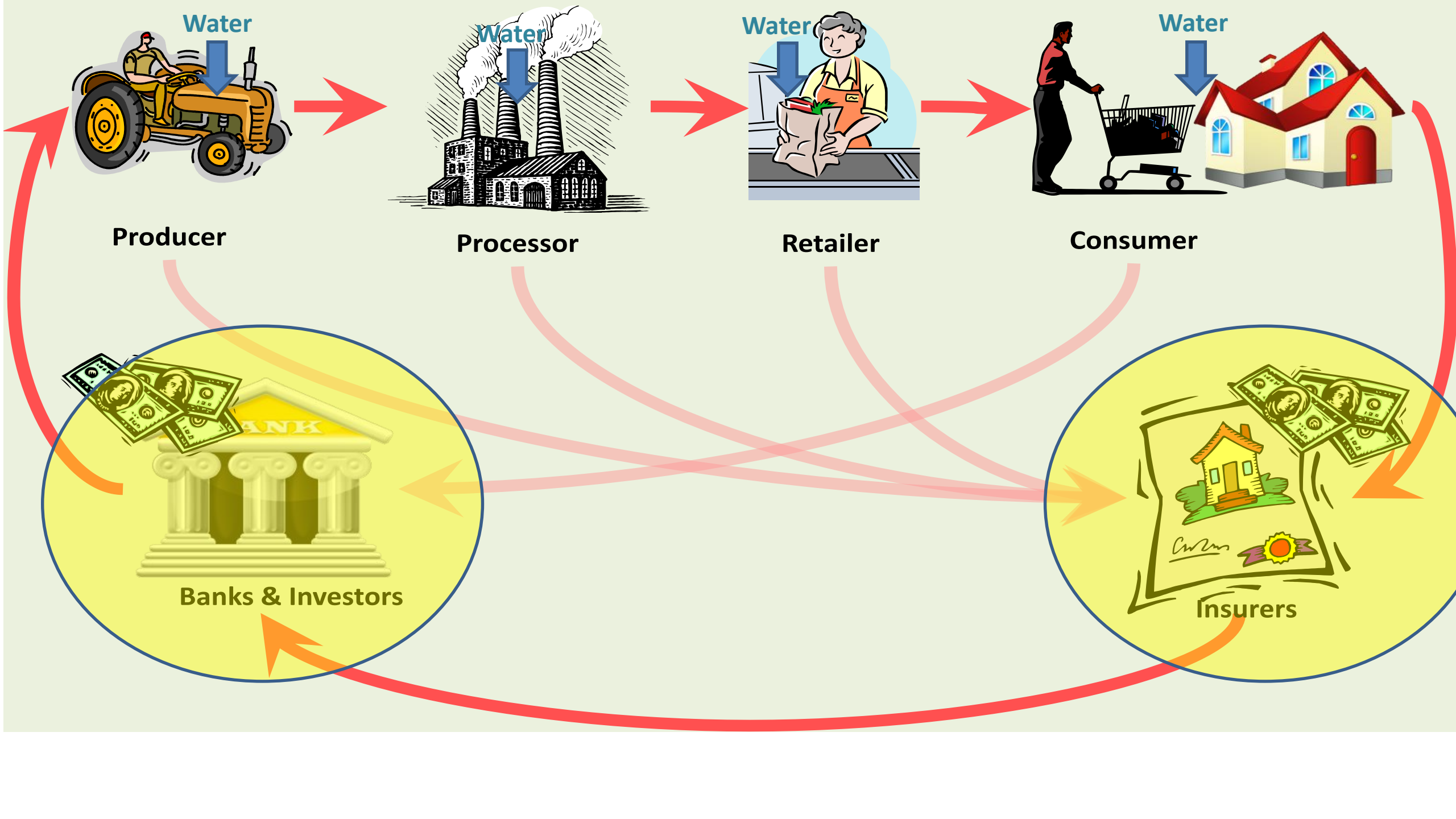
Consumer



Banks & Investors

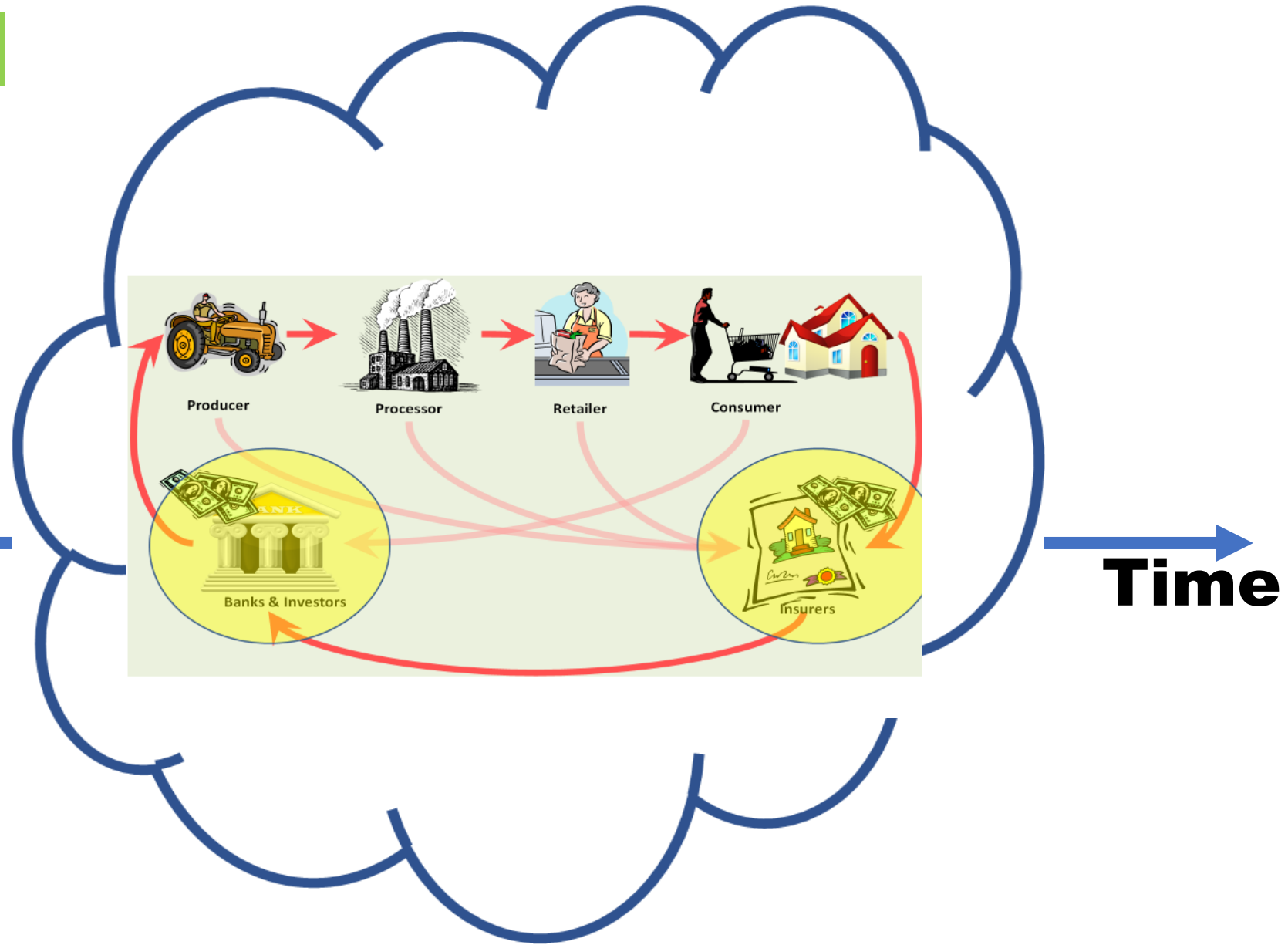


Insurers



Creating Value

Destroying Value



E. coli O104:H4

E.Coli

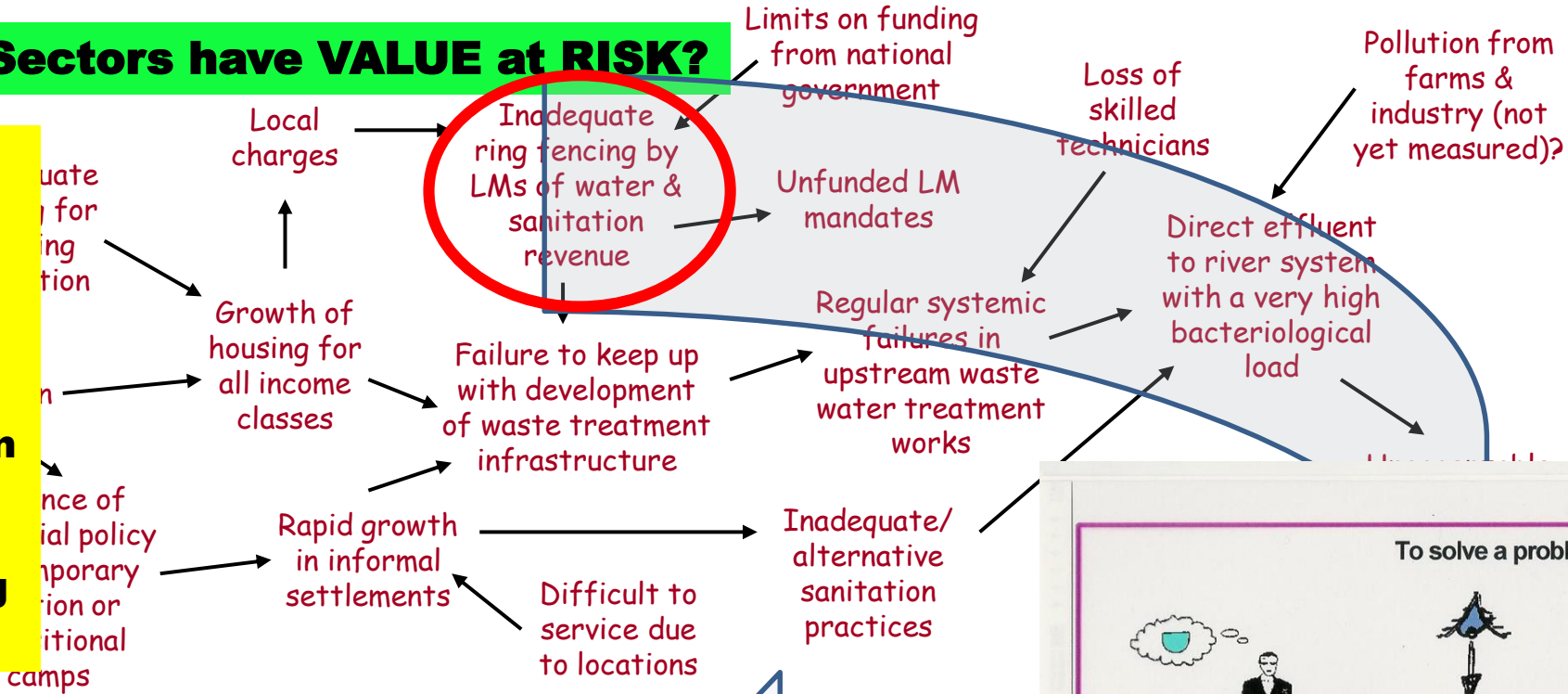
related deaths in Germany in 2011

set the scene for next slide

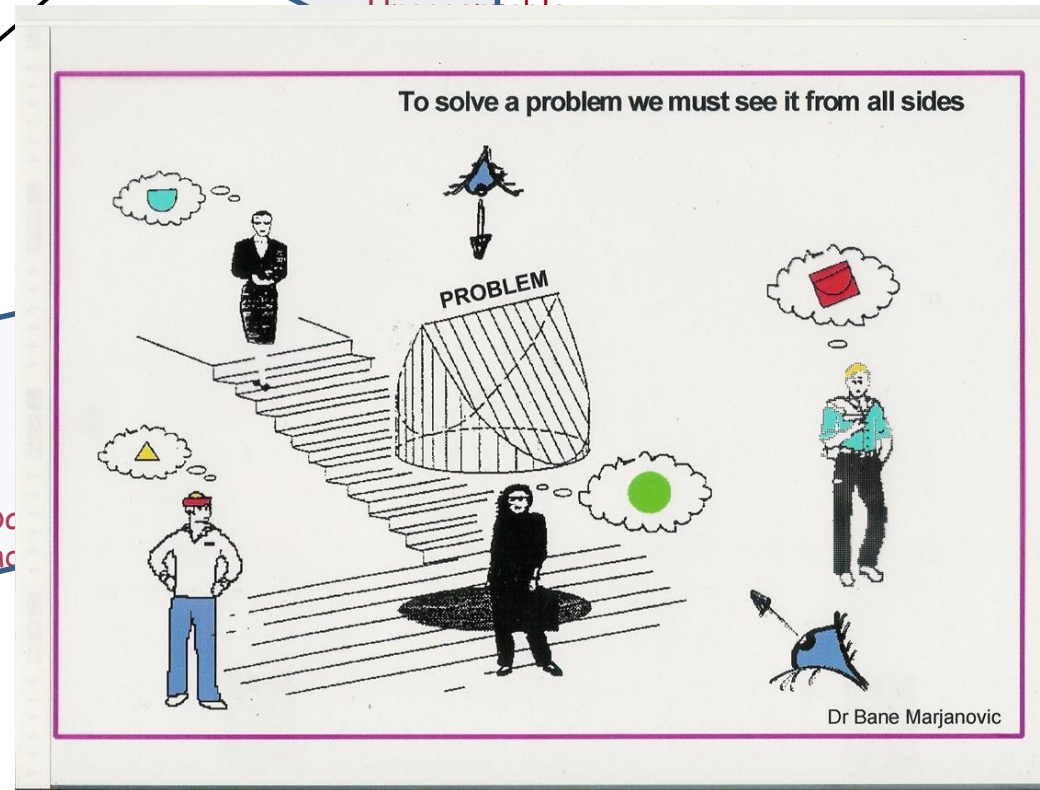
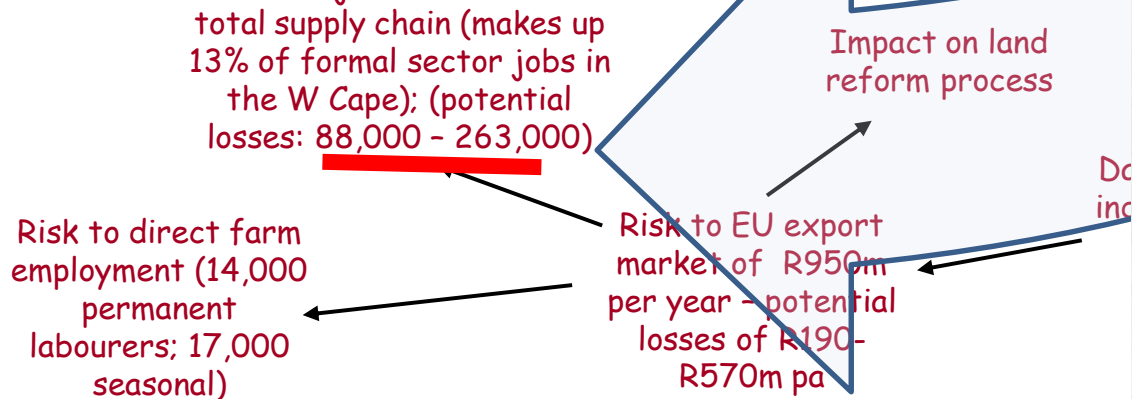
Systemic crisis in the Berg River catchment

How many Sectors have VALUE at RISK?

- Health
- Export
- Shipping
- Transport
- Local Govt
- Farming
- Conservation
- Tourism
- Packaging
- Warehousing
- Insurance

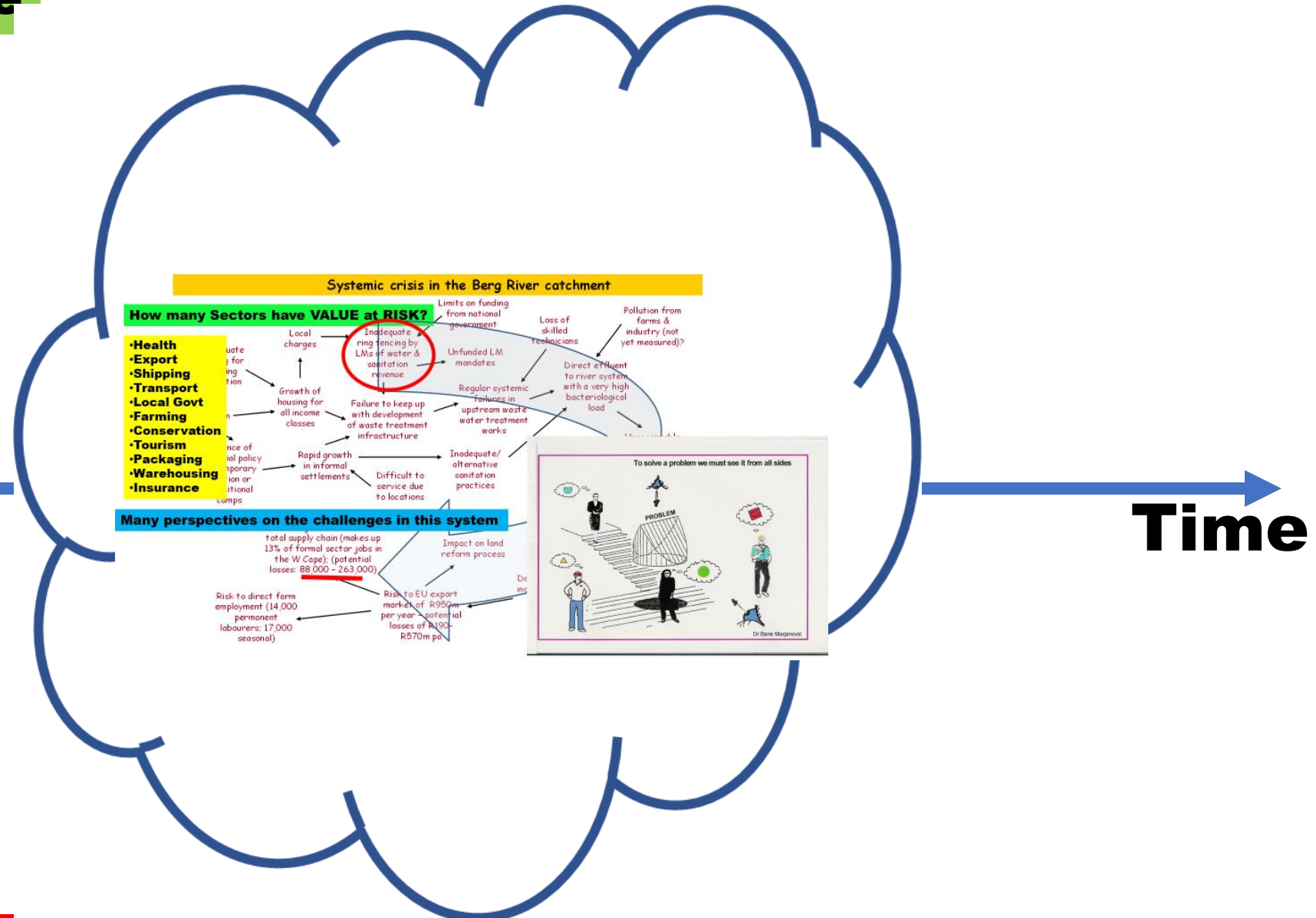


Many perspectives on the challenges in this system



Creating Value

Destroying Value





#6 It's is about more than your water





.....It's about more than your water





Key initiative from business in SA



STRATEGIC WATER PARTNERS NETWORK

SOUTH AFRICA



CREATING SHARED VALUE THROUGH
INNOVATIVE PARTNERSHIPS





Chair



National Water Resources Strategy



NWRS



World Economic Forum

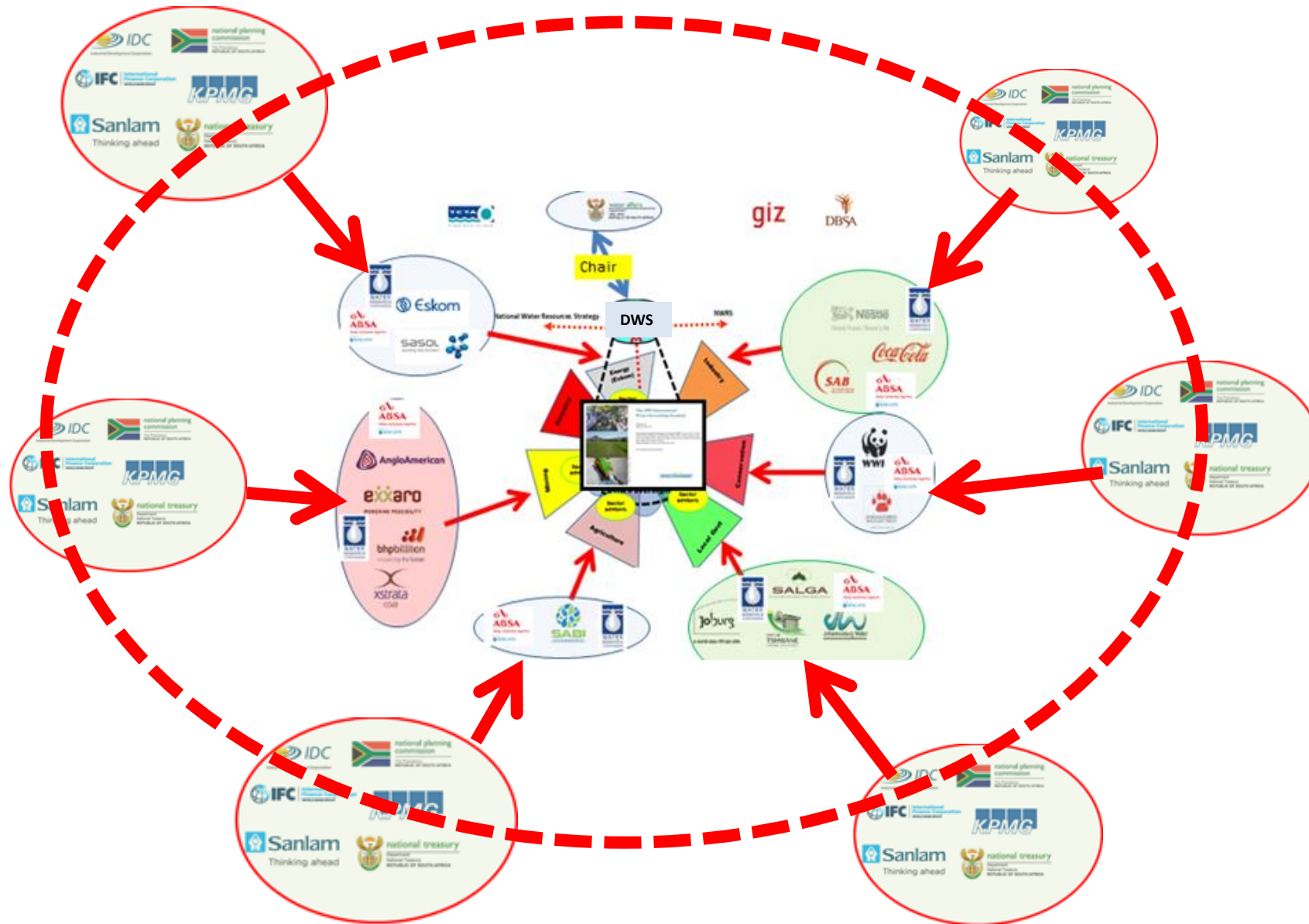
Global Risks Report 2015

No. 1 Global Risk

WATER



Strategic Water Partners Network



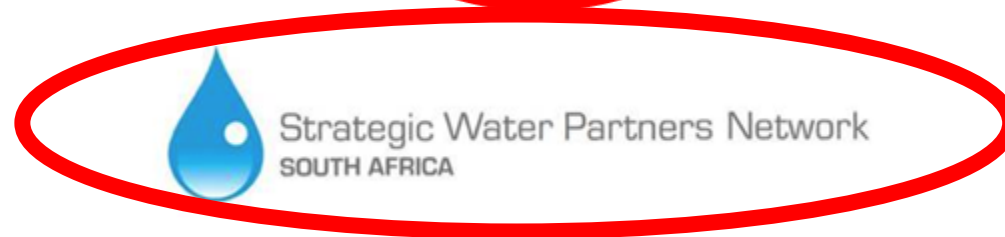
UWASP

uMhlathuze Water Stewardship Partnership

A partnership between:



Pongola-Umzimkulu Proto-CMA



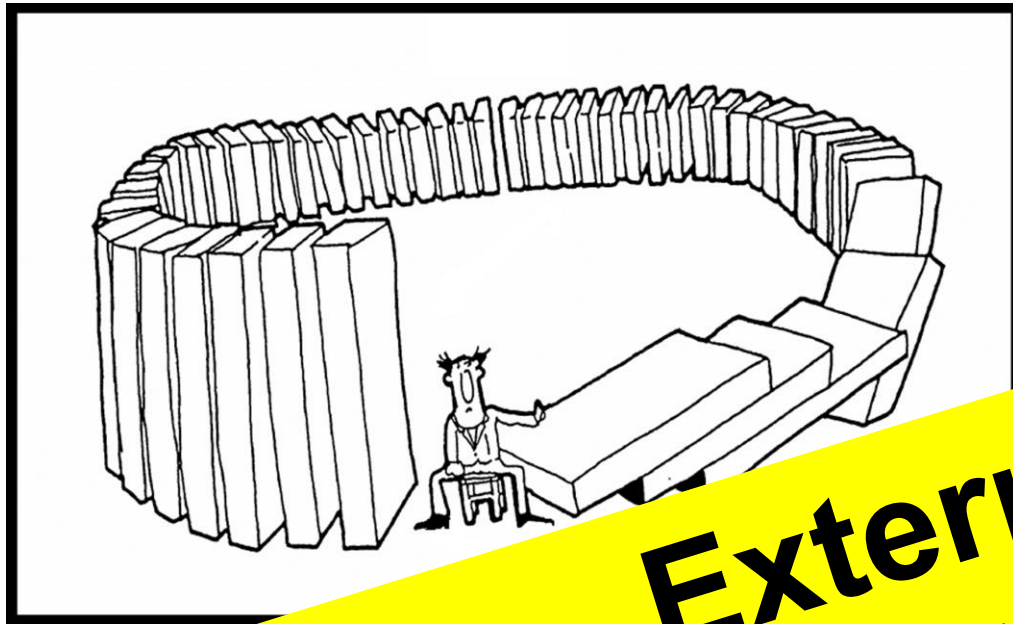
Thank you

The Alliance for Water Stewardship Standard offers a credible, globally applicable framework of actions to
to
implement water stewardship,
support
public policy and
recognize leadership through
independent validation

Complex and interconnected



Solutions create problems



Externalities --
pushing part of your problem onto others.



Creating Value



Destroying Value



Time