

IMPLEMENTING INNOVATIONS IN PRACTICE



Wisa 2016, 15-19 May 2016

Agnes Maenhout, Johan Oost & Jeroen Bosboom





a view

IMPLEMENTING INNOVATIONS

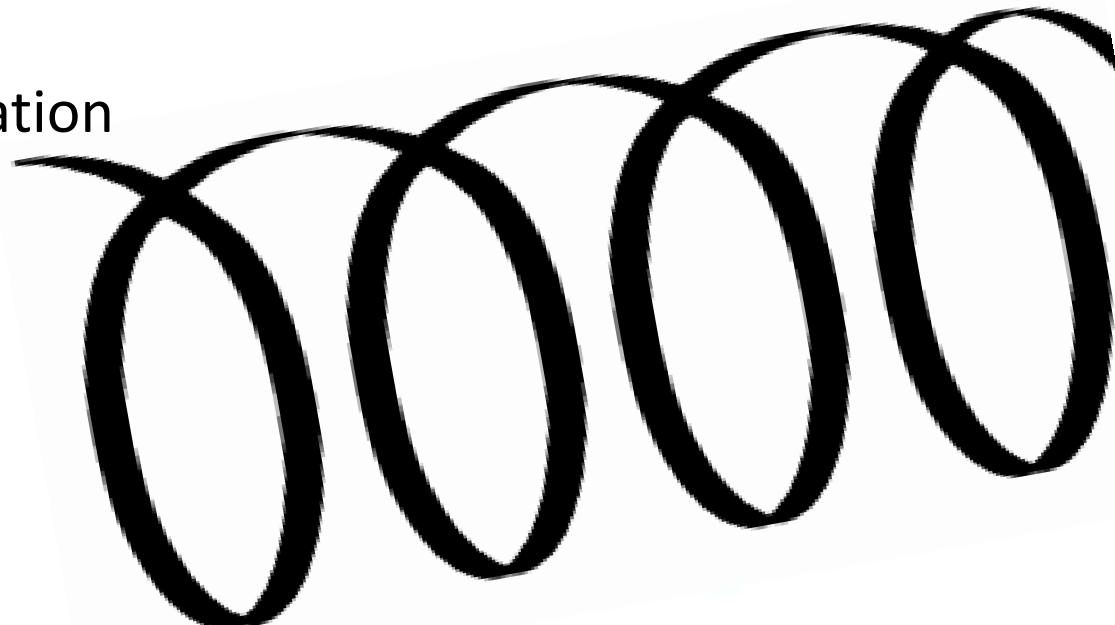
- Operating is the key of the failure
- Operating excellence is the key of the success!

Operational excellence by dedicated well-trained operating staff



THE LIFE CYCLE OF INNOVATIONS

- Idea
- Project & cooperation
- Research
- Publications & presentations
- Piloting
- Recommendations: dust bin or implementation
 - ✓ Idea
 - ✓ Project & cooperation
 - ✓ Etcetera...
 - Idea
 - Etcetera...

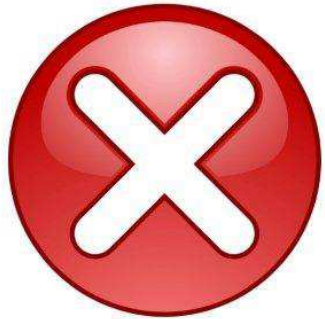


INNOVATIONS | INNOVATIVE TECHNOLOGIES



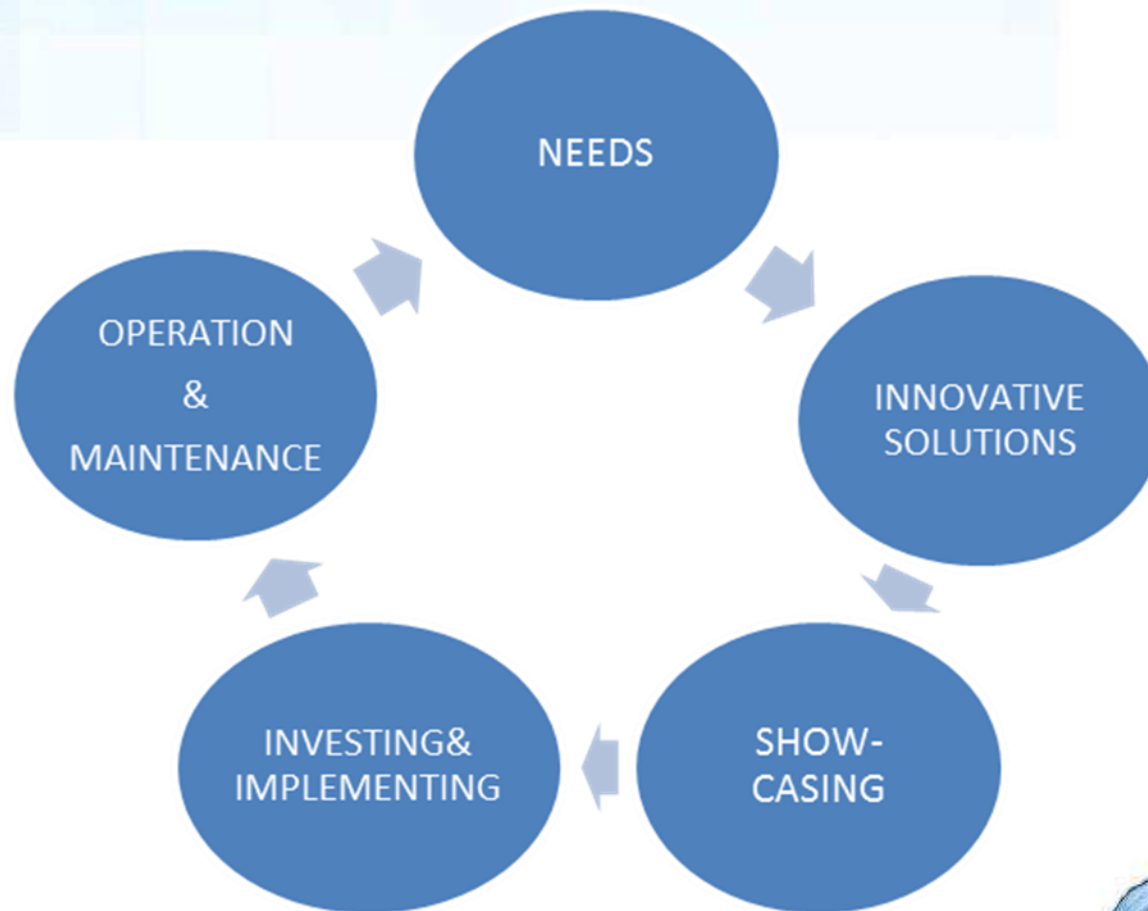
- scientists and engineers
- (incrementally) new techniques / methods / approaches
- lowering the costs and improving the output
- desk or lab research
- fitting into research programs / popular topics

IS FUTURE OPERATION INVOLVED



1. in the research phase of innovations?
2. in the implementation of innovations?
3. In the operation of the new technologies?

HOW TO CONNECT INNOVATIONS TO NEEDS AND OPERATION



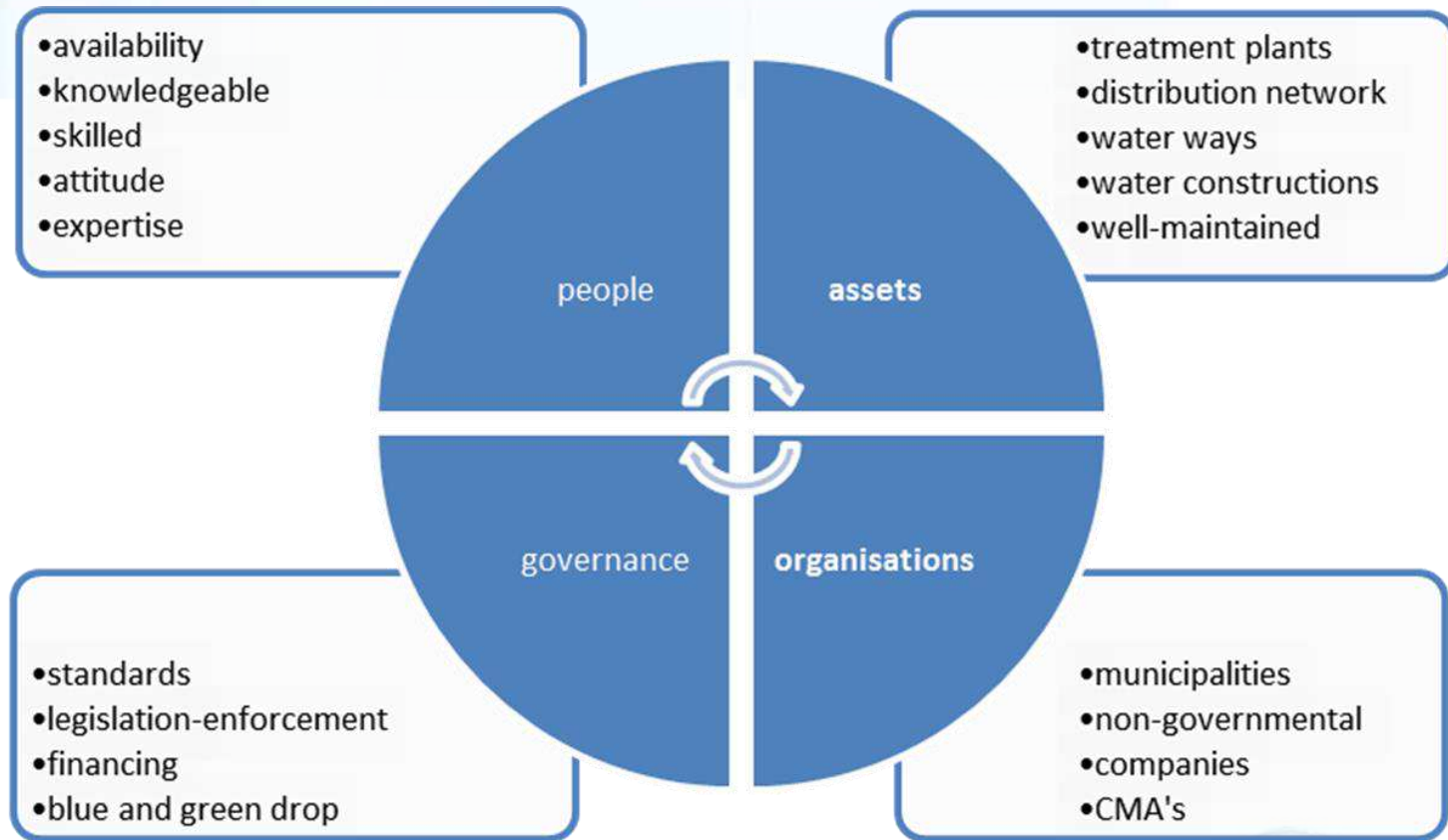
SHOWCASING OR FEASIBILITY STUDY



***Try
Out***

- Do innovative solutions bring the promised results?
- Pilot
- Effectivity
- Adjusting
- Cost effectiveness within its life cycle
- Tendering

4 INTERCONNECTING ELEMENTS



WATER NEEDS HARDWARE & SOFTWARE



THE LIFE TIME APPROACH OF ASSETS



- the capital investment (CAPEX)
- the operational expenditures (OPEX)

Who would invest in assets, without investing in the **operating and maintenance**?



THE ULTIMATE CONSTRAINT OR THE ULTIMATE CONNECTION

- techniques \leftrightarrow training
- new techniques \leftrightarrow new training
- upgradet techniques \leftrightarrow upgradet training



OPERATIONAL EXCELLENCE



- Well trained operators
- Basic knowledge and skills
- Not too theoretical training
- Immediately applicable
- In the same – operational- language

Training | coach | mentor | peer to peer

Exchanging experiential knowledge and skills



INGREDIENTS OF THE TRAINING PLAN



- Training goals
 - ✓ Basic knowledge and skills
 - ✓ 'How to' knowledge
 - ✓ 'Why to' knowledge
- Staff to be trained
- Training needs
- Resources: time, budget

THE SUCCES OF INNOVATIONS

- Operating excellence is the key!
- by dedicated training of the operating staff



Thank you for your attention.