Agile Working on Challenges in the Water Cycle
Sewer water
Surface water
Ground water
Dykes
Agile Working on Challenges in the Water Cycle

Polders
Customers
Climate
Build climate proof
Own ambition

Best service provider
THE SAME OLD THINKING

THE SAME OLD RESULTS

Not if
Agile Working on Challenges in the Water Cycle

- **THINK BIG**: Customer and user-feedback, Strategy, Continuous improvement
- **Prioritize roadmap**: Compose roadmap
- **ACT SMALL**: Create and maintain Business Case
- **Minimum Viable Product**: Prioritize backlog
- **SCALE FAST**: Develop, Improve, Feedback

- Continuous improvement
- Strategy
- Customer and user-feedback
- Compose roadmap
- Create and maintain Business Case
- Prioritize backlog
- Minimum Viable Product
- Develop
- Improve
- Feedback
Agile

“Learn to work together better.”

Think differently
- Business from customer to problem owner
- From all-in-one silos to open, agile

- Alignment
  - Set business goals
  - Agile governance
  - Agile architecture

- Faith
  - Fail forward
  - Progress based on goals
  - 90% decisions in devops teams

- Fun
Agile Architecture

Based on

• Data first
• LOSA (lots of small applications)
• Integration by separation

• A few core systems for main processes
• A few flexible platforms (MEAB, GIS)
• Data stored separate from applications
• Data defined in company OTL
AGILE GIS TOOLS

- Geocom GEONIS
- ESRI Collector app
- Geocortex Essentials
- Keep data up to date
- Create insights in performance, risks etc.
- Collaboration

Agile Working on Challenges in the Water Cycle
Data - House boats
Data – Nature
Insights – Plan Water quality tests
Insights – Dykes (regulations)
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Insights – Dykes (regulations)
Collaboration – example to do
Lessons learned
240 gemalen actief beheer van duizenden hectares natuurgebied
105 sluizen
590 stuwen

1.600 km grote watergangen
10.000 ha open water
1200 ton drijfvuil per jaar in Amsterdam

3 water torens

drinkwaterreservoirs voor 100.000 m³

600 rioolgemalen
4.200 km riool
540 km persleiding in Amsterdam

12 rioolwaterzuiverings-inrichtingen

meer dan 495.000 leveringspunten voor drinkwater

drinkwaterleidingnet van 3.100 km
125.000 drinkwatermonsters per jaar
drinkwatertarief van €1,24 per m³

gemiddelde drinkwaterproductie van 235.000 kuubieke meter per dag