

Anglian Water



Alternative thinking, for alternative strategies

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- WORKING AS ONE NETWORK!

REDUCING LEAKAGE - Alternative Strategies Workshop 8.10.19

PAUL HORTON INTRODUCTION
HOW CAN WE THINK differently?

OWNERSHIP & BOUNDARIES
3D PRINTING: REAL HEADS... THE FUTURE IS HERE!
QUICK WINS?

UNDERSTAND DATA
PERMITS
UNIVERSAL METERING
SHARE KNOWLEDGE & SHARE DATA

OPEN BY DEFAULT
DIVERSE DATA
CENTRALISE & COLLABORATE

LET'S LEARN & CAPTURE LEARNING
LET'S SHARE
LET'S TRUST THE DATA

LET'S TRUST THE DATA
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OPPORTUNITIES...?
MAPPING THE NETWORK - A NETWORK GAP?
VIRTUAL NETWORKS
A SHARED DIGITAL TWIN

NETWORK HEALTH CHECK?
EDUCATIONAL SUMMARY OF RESEARCH WIKI-LEAKAGE!
BREAK DOWN SILOS

GETTING THE RIGHT PEOPLE IN THE ROOM FROM THE START
CULTURE & SKILLSETS
& ATTRACTION OF THE NEXT GENERATION

LET'S TRUST THE DATA
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BARRIERS?
CULTURE & SKILLS
LACK OF OWNERSHIP
TEACH ME GOOD HABITS

REWARD THROUGH BEING INNOVATIVE
A LONG TERM VIEW IS NEEDED...
COMMON BRENCH?

REGULATE DIFFERENTLY?
CO-OPERATIVE APPROACH
A CONSISTENT APPROACH

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BEHAVIOUR CHANGE & Environmental concerns
REGULATORY Cycle
GETTING THE RIGHT PEOPLE
BETTER ENGAGEMENT

SCENARIO 1: 50% REDUCTION BY 2035
LIFETIME WATER BALANCE
INTELLIGENCE & VALVES
LAY PIPES THAT DON'T LEAK

SCENARIO PLANNING
QUICK REDUCTION -> 15%
TRUST THE DATA & THE SCIENCE!

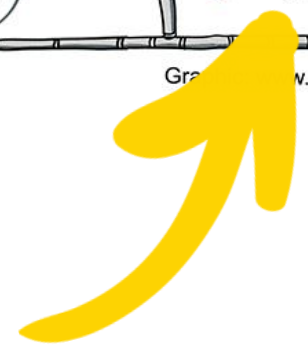
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IN DENMARK: POLITICAL WILL TO STOP LEAKS...
SINCE THE '90 - PUNITIVE MEASURES WATER IS EXPENSIVE & PEOPLE ARE MORE CAREFUL
SMART METRES
GIS

OUR TOP GAME CHANGERS

- REDUCE THE RUN TIME OF THE LEAK - AUTOPSY
- UNDERSTAND THE LIFE OF THE LEAK & THE LIFE OF THE WATER MOLECULE
- TRUE COLLABORATION & COMMUNITY OWNERSHIP
- STANDARDISATION - HAVING A COMMON APPROACH
- HEALTH CHECKS
- RESILIENCE
- VARIABLE TARIFFS & UNIVERSAL METERING
- APPRECIATE THE VALUE OF DATA
- FULLY INSTRUMENTED DISTRIBUTION & TRUNK MAINS "NO DMAS"
- POSITIVE PR & COMMS STRATEGY



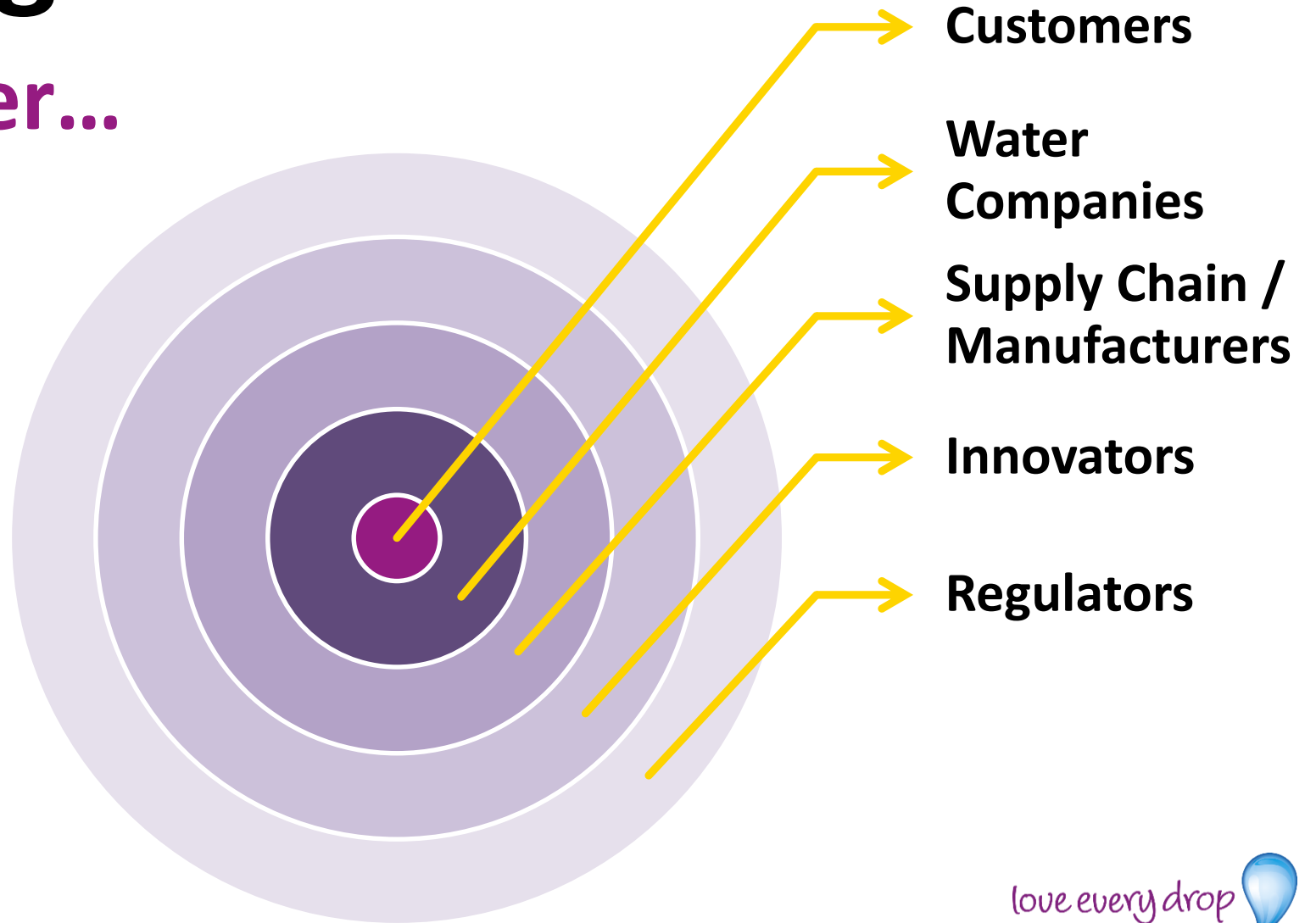
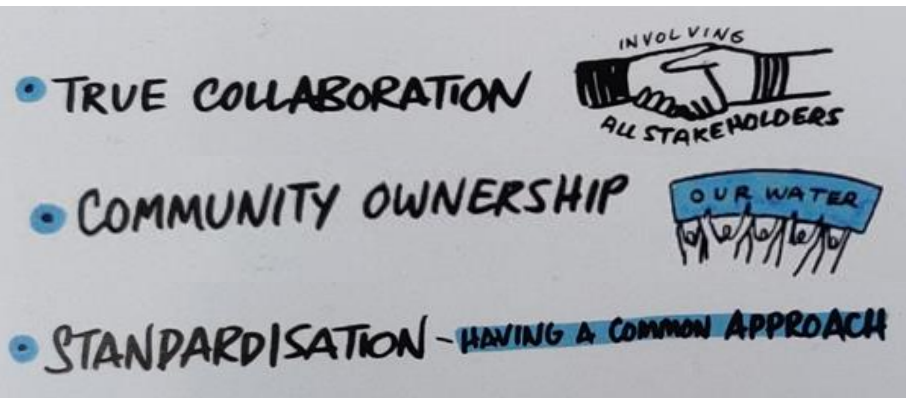
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Game changers!

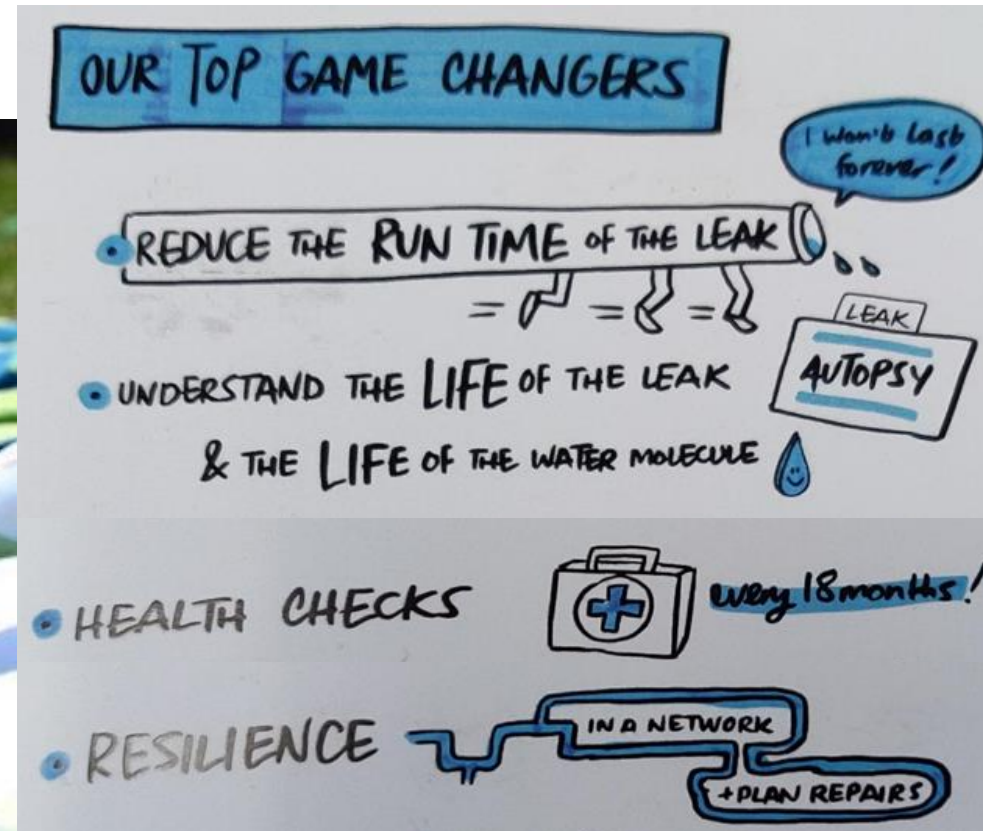
Game changers!

Working together...



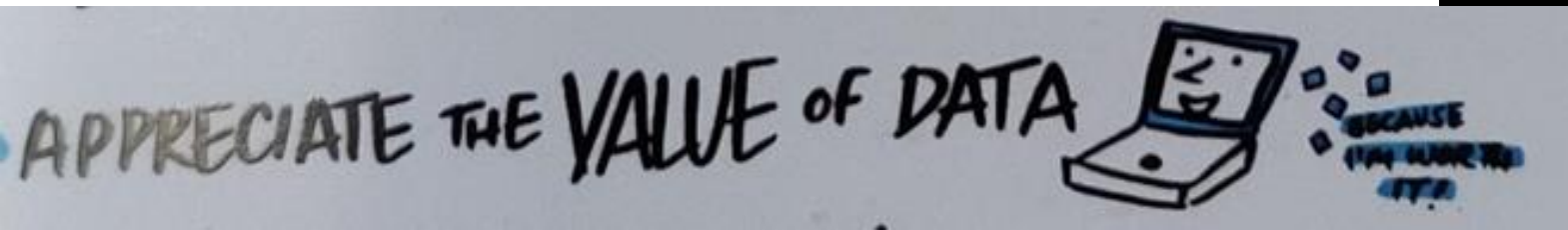
Game changers!

Leak runtime reduction...



Game changers!

The value of data...

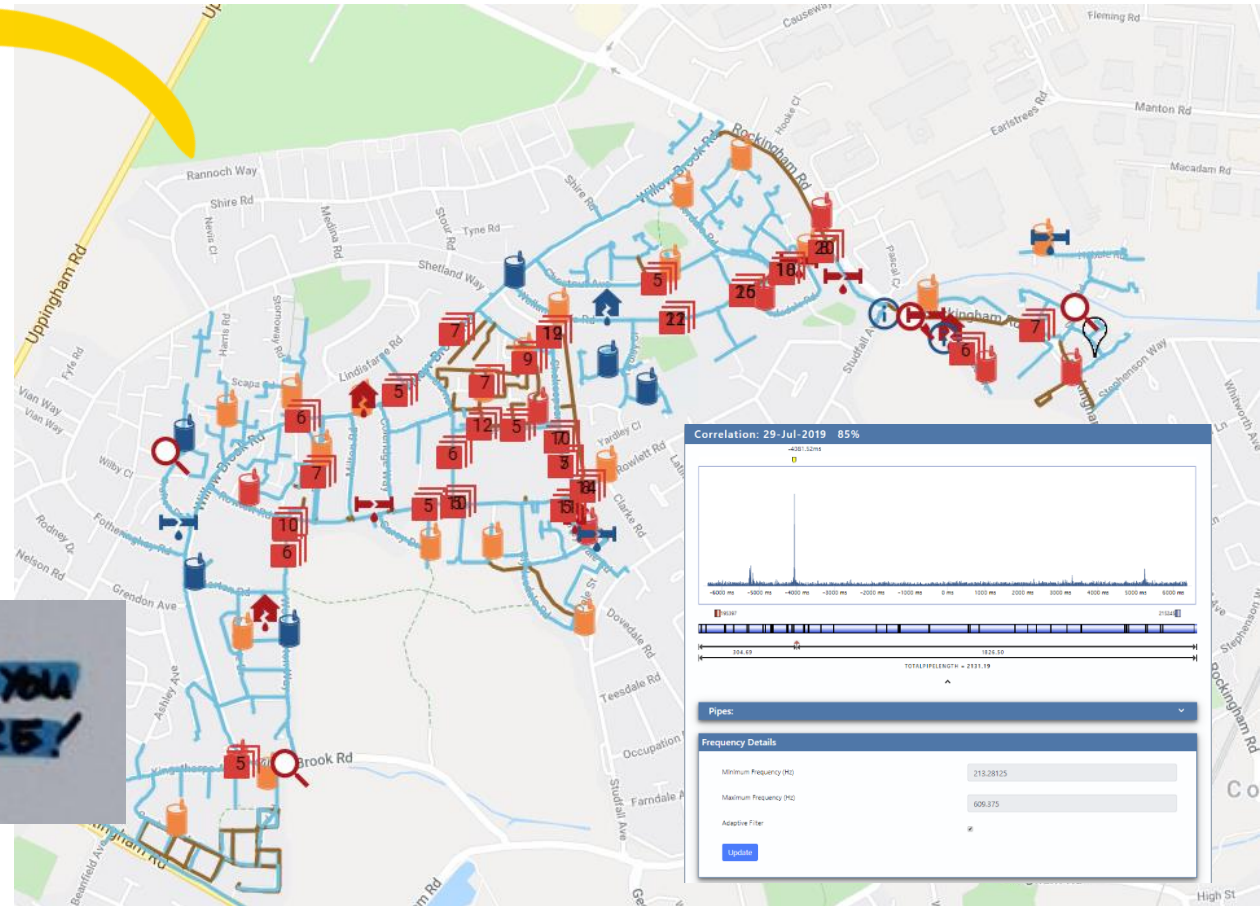


Game changers!

Smart monitoring...

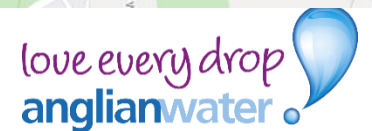


Where, what, when!



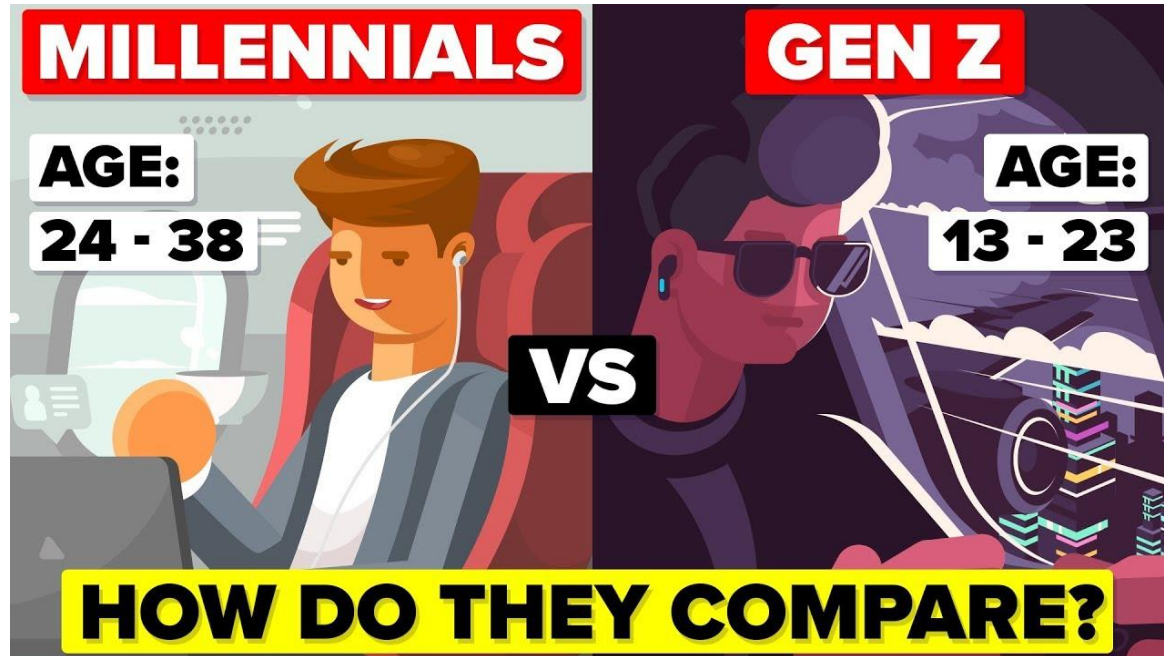
VARIABLE TARIFFS & UNIVERSAL METERING

IF YOU USE MORE - YOU PAY MORE!



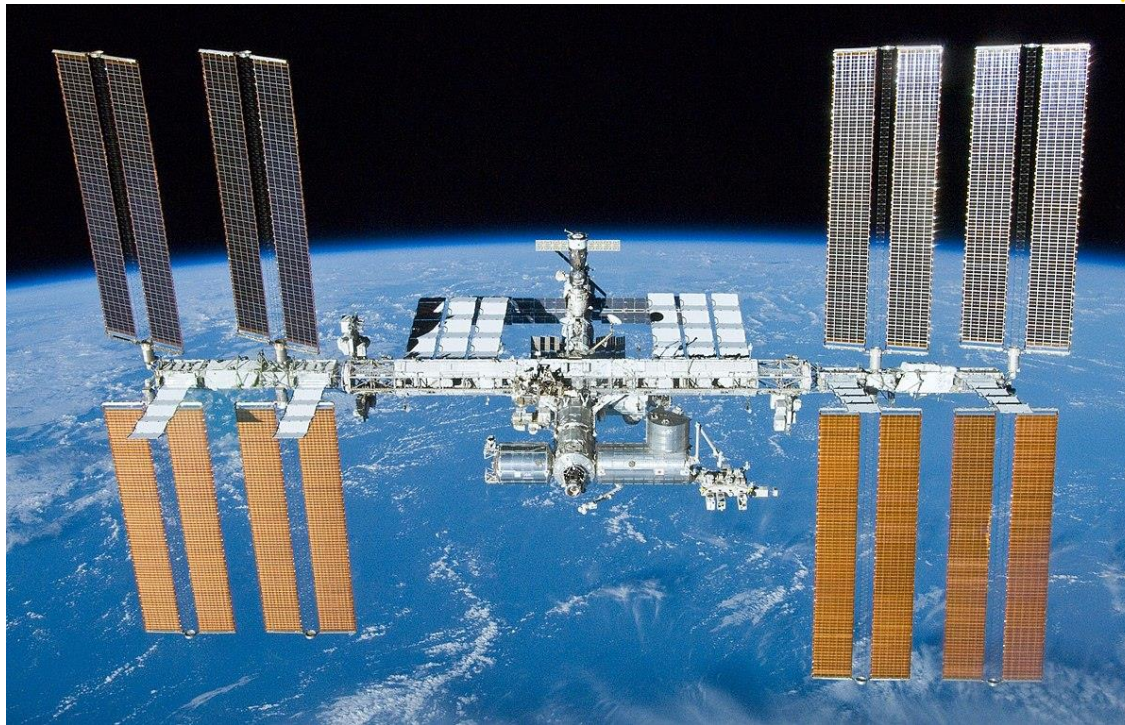
Game changers!

Next Generation... 



Game changers!

Virtual water network...



**Thank-you for
Listening!**

