INNOVATIONS IN LEAKAGE MANAGEMENT

1. Permanent and semi-permanent noise loggers.
   To reduce leakage in problem DMAs

2. Fast logging of DMA inflows
   For better definition of customer night use

3. Non-household night use modelling
   Developing a new mathematical formulation

4. Seasonal night use by non-household properties
   Certain types of business use water very seasonally. We will permanently log a representative sample of each type as indicator properties

5. Study of plumbing losses
   A significant portion of what we report as leakage may actually be waste within customers' properties

INNOVATIONS IN LEAKAGE MANAGEMENT

6. Intensive investigation teams
   To tackle leakage in DMAs where we can't find the leakage by conventional methods.

7. Use of advanced data analytics
   To extract more knowledge from our leakage data, and to determine the most effective strategy for each DMA

8. Stent methods for pipe repairs

9. Trials of leak detection techniques used by the oil industry

10. In-pipe leak detection methods
    Leak noise detector enclosed in a ball which rolls along the pipe.

11. Investigations into pressure transients

THANK YOU