

# CEPS Task Force on Which Economic Model for a Water-efficient Europe?

27 March 2012

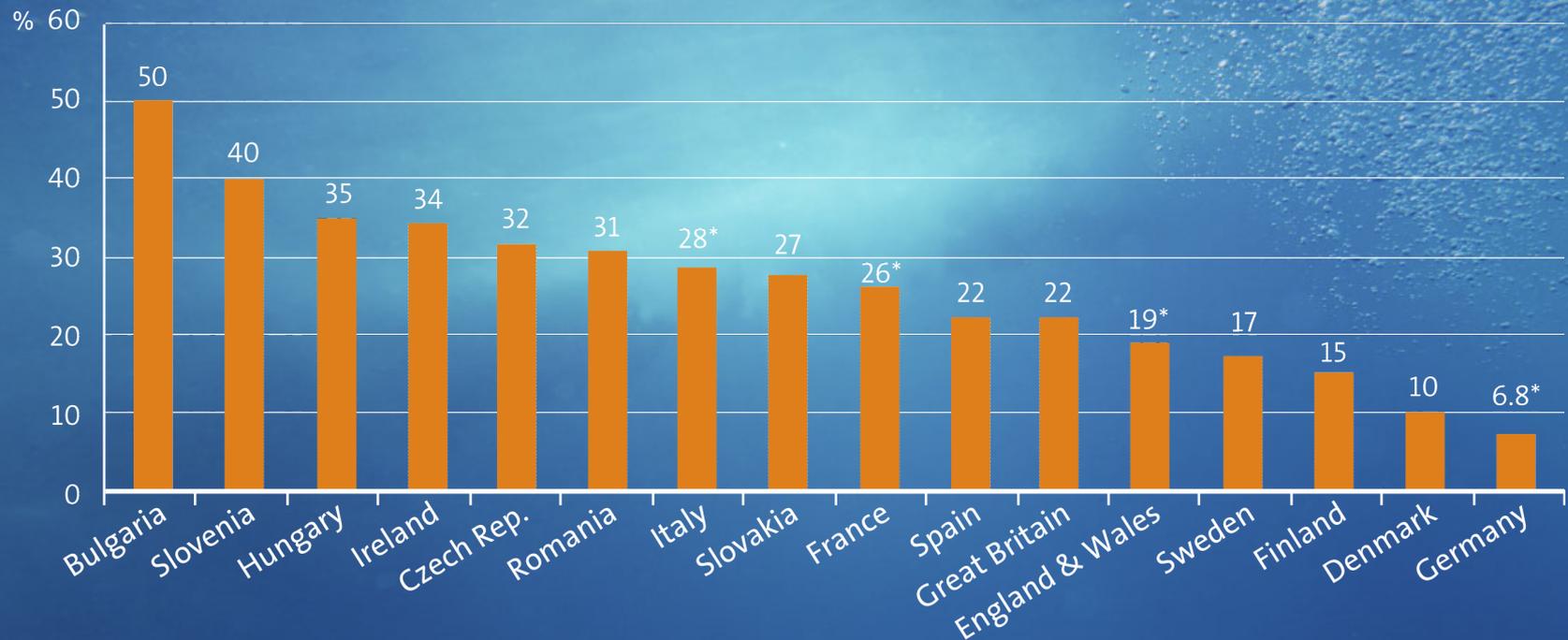
Efficient water distribution solutions,  
key to safeguarding Europe's water

# WATER LOSS

“45 million cubic meters are lost daily through water leakage in the distribution networks - enough to serve nearly 200 million people.”

(World Bank 2006)

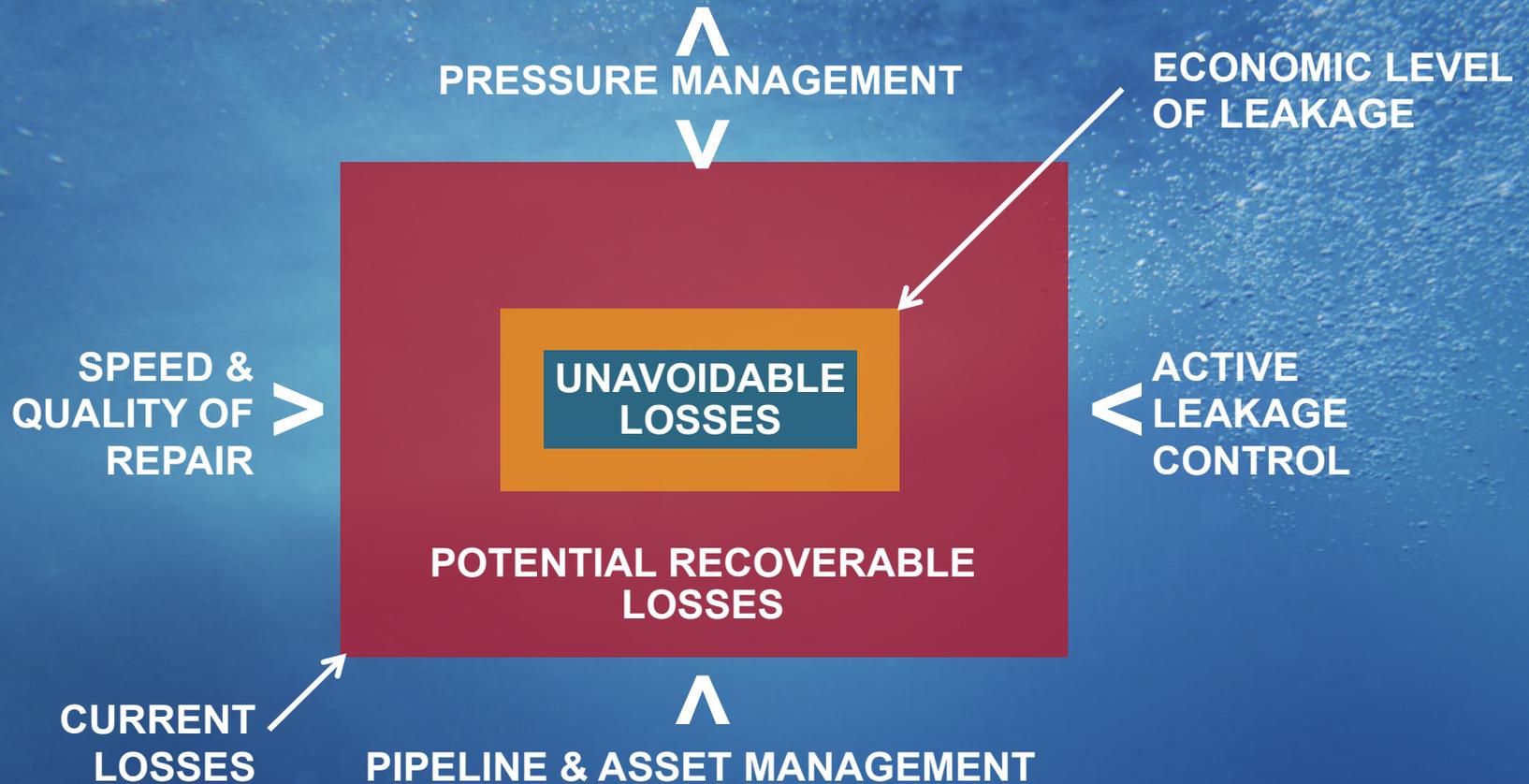
Water losses in the public drinking water network



\*Extractions for operational purposes and fire control are rated as losses

Sources: VEWA 2006 Survey (Italy, France, England & Wales); Federal Statistical Office 2004 (Germany); remainder: EU Commission 2007

# INTERNATIONAL WATER ASSOCIATION (IWA) MODEL



# TRIPLE BENEFIT

Pressure Management provides a triple benefit:

- > Reduces leakage losses
- > Reduces energy consumption
- > Reduces repair and maintenance costs

# WHAT HAVE SOME EU COUNTRIES DONE TO REDUCE LEAKAGES?

- > Explicit leakage strategies
- > Targets and goals
- > Benchmarking
- > Best practice sharing
- > Continuous investments and inspections



# WHAT HAVE SOME EU COUNTRIES DONE TO REDUCE LEAKAGES?

- > Certification of staff
- > Duty deduction up to a certain leakage level
- > Low operating pressure
- > Increased water consciousness



# GRUNDFOS RECOMMENDS

## Reducing water loss in distribution via:

- Indicative targets on water and energy loss reduction in distribution system based on existing technologies and solutions and benchmark studies of best in class;
- Strong economic stimulus for reducing water and energy loss in distribution systems;
- An obligation for distributors to gradually and significantly reduce water and energy loss;
- Certification schemes for distributors based on best in class ratings;
- Audits and measurements by independent entities in order to achieve progressive reductions of water and energy losses in distribution systems;
- Audits and measurements by independent entities in order to undertake thorough analyses of pros and cons of major further centralization of distribution system compared to decentralized waste water solutions.

# GRUNDFOS RECOMMENDS

## Reducing water loss by end-users via:

- A framework for a dialog with industry organizations with the aim of introducing voluntary maximum use of water (and energy) per production unit across sectors with point of departure in BAT and best in class;
- Strong economic stimulus for reducing water (and energy) loss by end-users including individual payment per consumed water unit by individual measurements and informative payment systems;
- Audits and measurements by independent entities of consumption entities over a certain minimum size in order to achieve progressive reductions of water (and energy) loss by end-users;
- Certification schemes for consumption entities over a certain minimum size;
- Obligation for the public sector to reduce water loss (and energy) and commitment for the public sector to pioneer new water efficiency solutions;
- A stronger compliance system with regard to non-metered and illegal use of water.

**Thank you for your attention!**