

Water Demand Management in a Changing Climate

A NERC CCN Water Scarcity Workshop

Aims and objectives

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Scarcity is a relative term

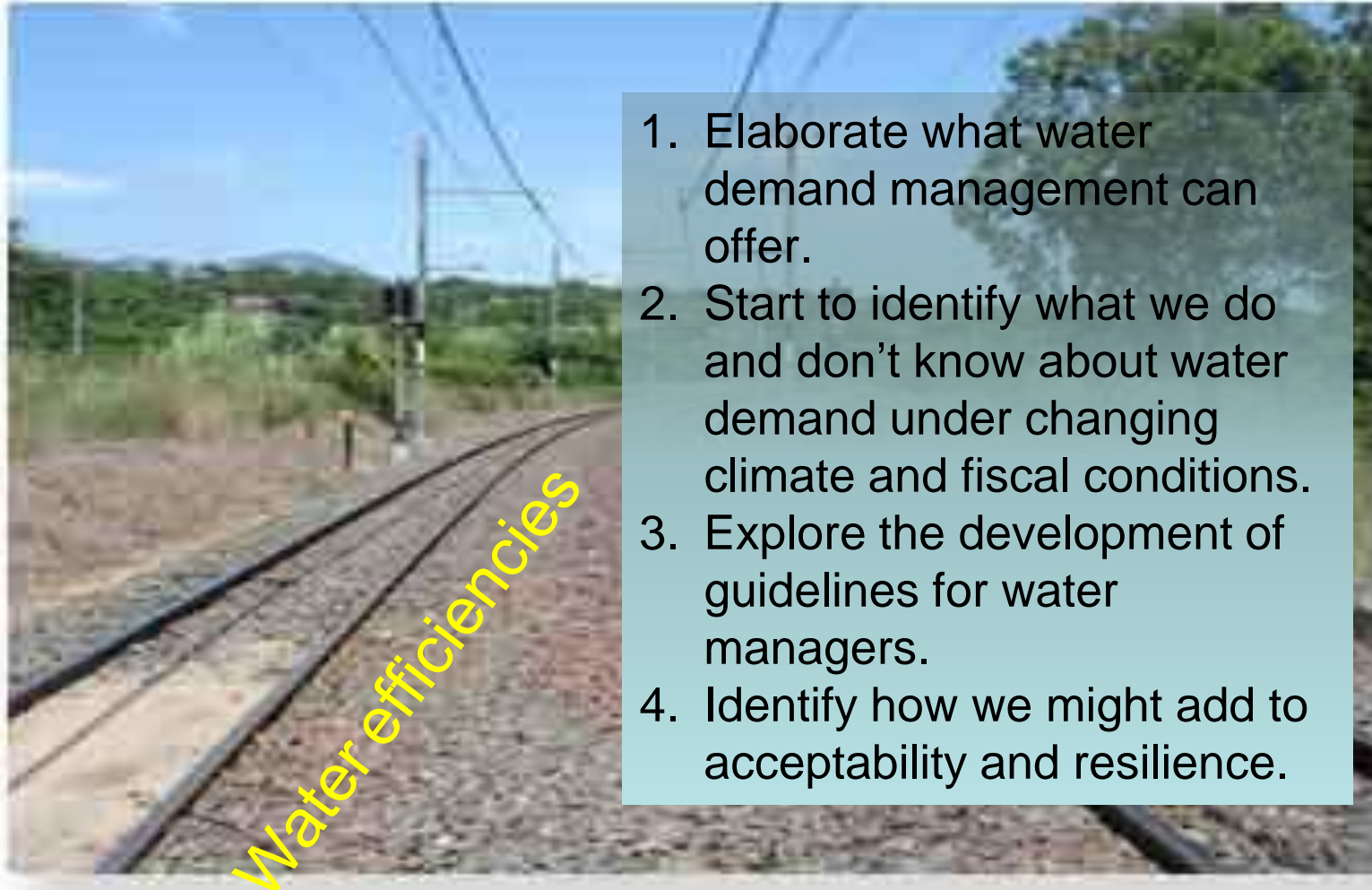
Predict



Provide



Twin track



1. Elaborate what water demand management can offer.
2. Start to identify what we do and don't know about water demand under changing climate and fiscal conditions.
3. Explore the development of guidelines for water managers.
4. Identify how we might add to acceptability and resilience.

Water efficiencies

“If you like laws and sausages,
you should never watch either one being made.”

Perhaps the same applies to the situation
faced by the demand forecaster?

The demand planner is therefore catering
for the water needs of age cohorts not yet born
in a climate not yet experienced and
within government policies not yet thought of.

TESCO

Sainsbury's

**MARKS &
SPENCER**



- Water into supply is known (with error)
- Leakage
- Operational use
- Emergency use
- Theft
- Hidden and transient populations



"Four of these have to go."

- 30% metering
- Primarily for billing
- Approximations and biases

Considerations

- Economic level of efficiency?
- Loss of drought resilience?
- Are national standards for water efficiency appropriate in all regions?