

**East of
England**
FARMING
CONFERENCE
2015



Peter Simpson

CEO Anglian Water

Leadership and Collaboration to secure water resources in the East of England

Peter Simpson, Chief Executive.

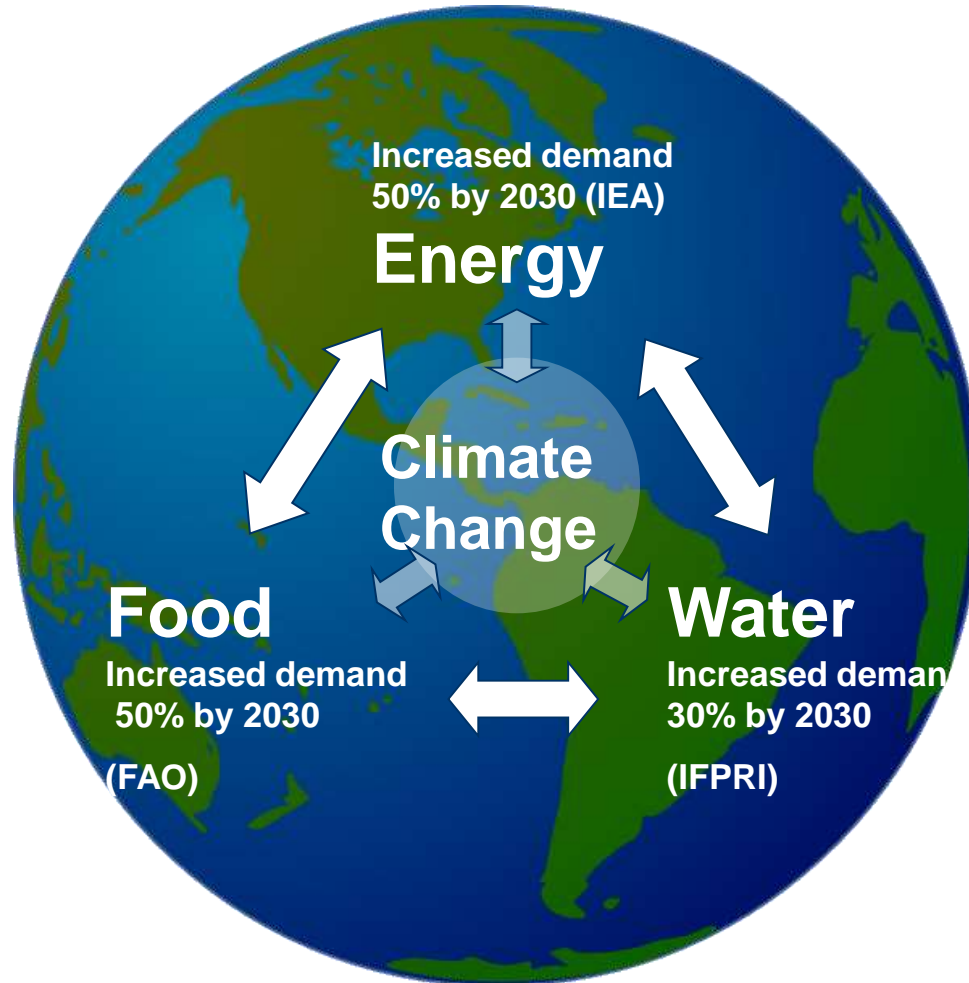
East of England Farming Conference. 3rd December 2015



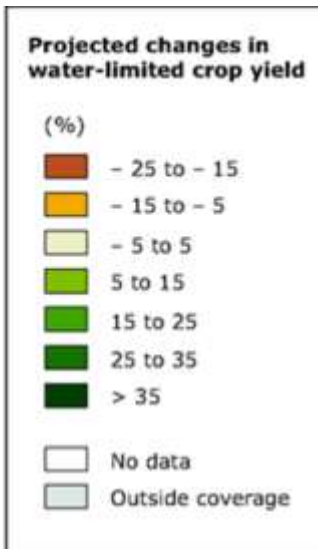
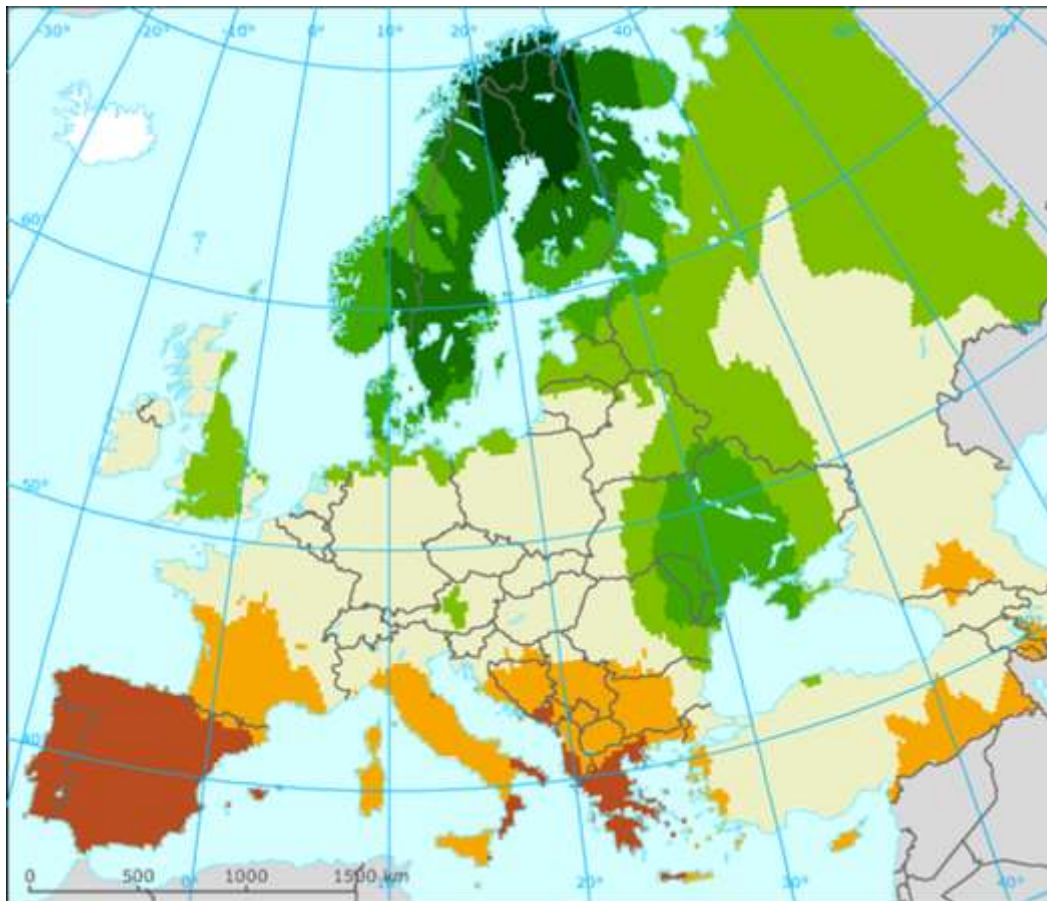
We need to collaborate



The global challenge



What could that mean for food production in Europe



Impact on crops by 2050s

<http://www.eea.europa.eu/data-and-maps/figures/projected-changes-in-water-limited>

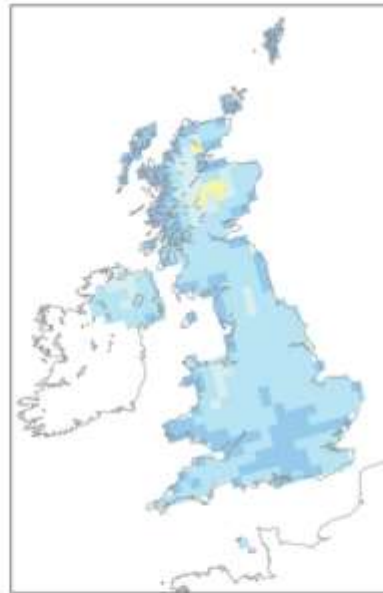
Potential for local changes to rainfall



10% probability level
Very unlikely to be less than

50% probability level
Central estimate

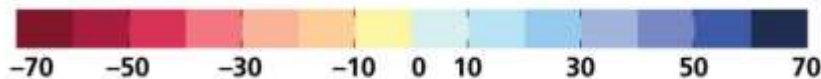
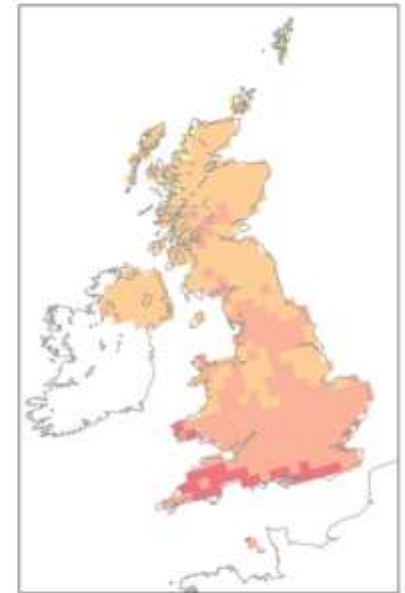
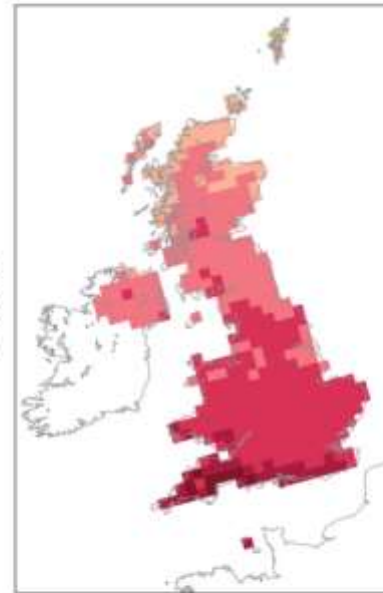
Winter



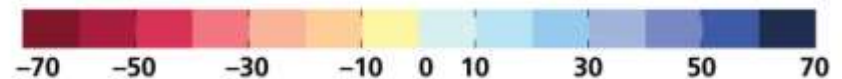
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Summer

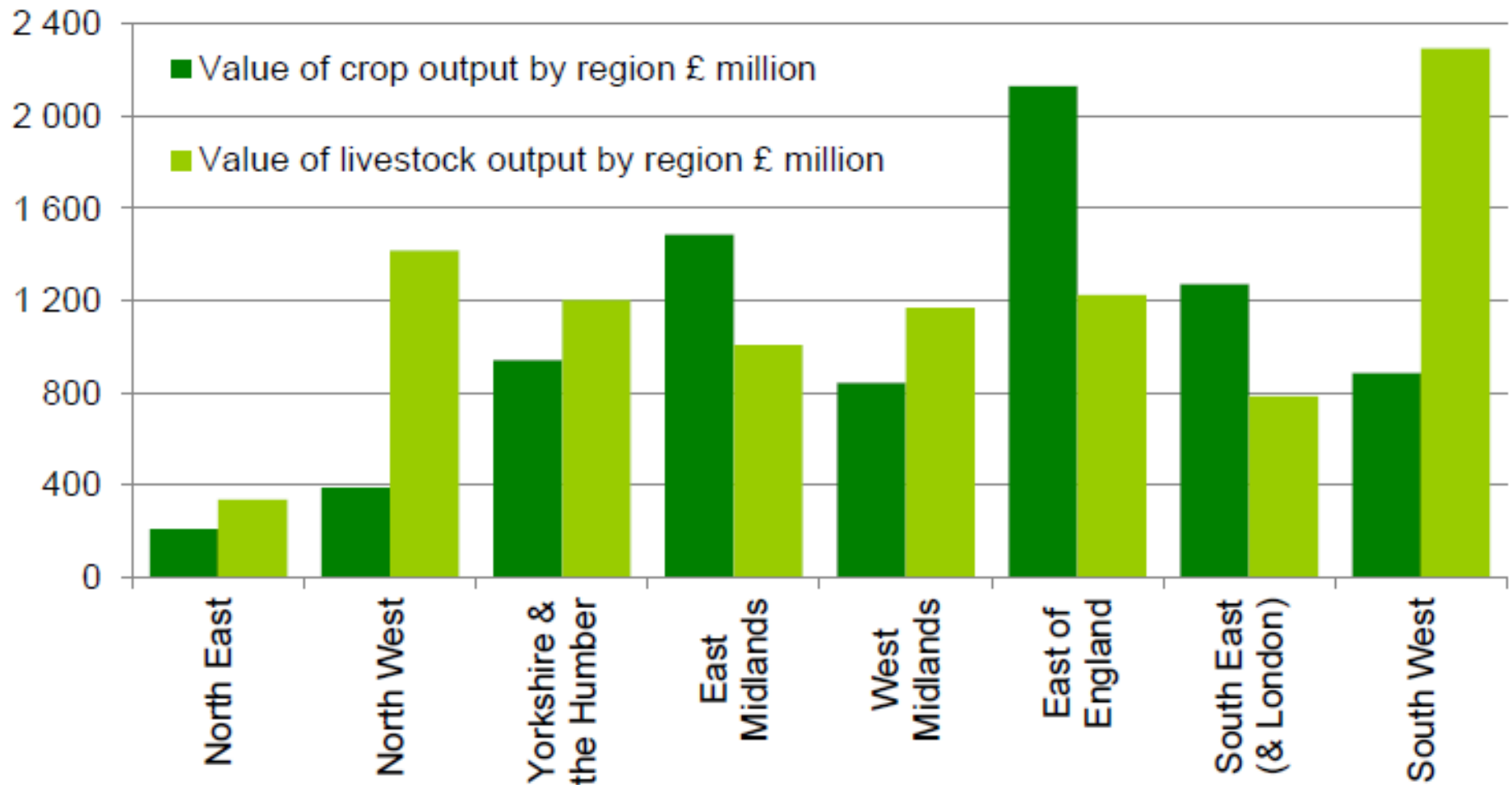


Change in winter mean precipitation (%) for the 2080s,



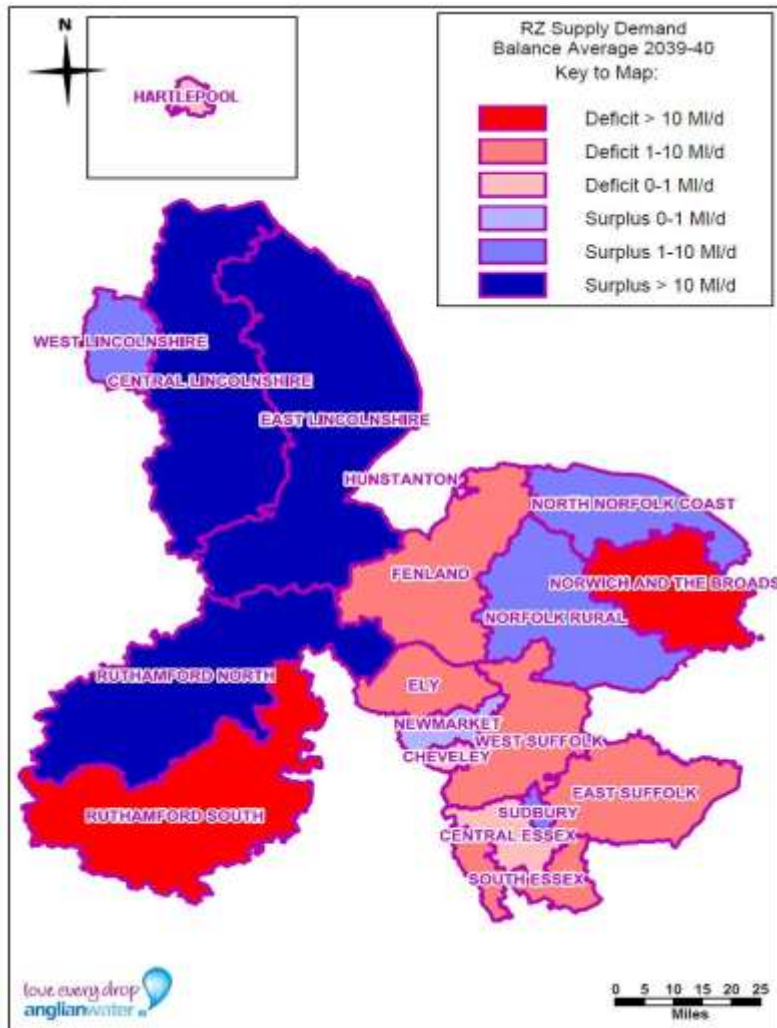
Change in summer mean precipitation (%) for the 2080s,

Understanding the importance of food, drink and farming to our region



Agriculture in the English regions 2014 – 1st estimate - Defra report July 2015

Recognising the challenge we face from uncertainty



1 MI/d = 1 million litres of water per day

1 MI/d = supply for ~3,000 houses per day

2MI = an Olympic swimming pool

125 MI/d increase in demand and target headroom requirements

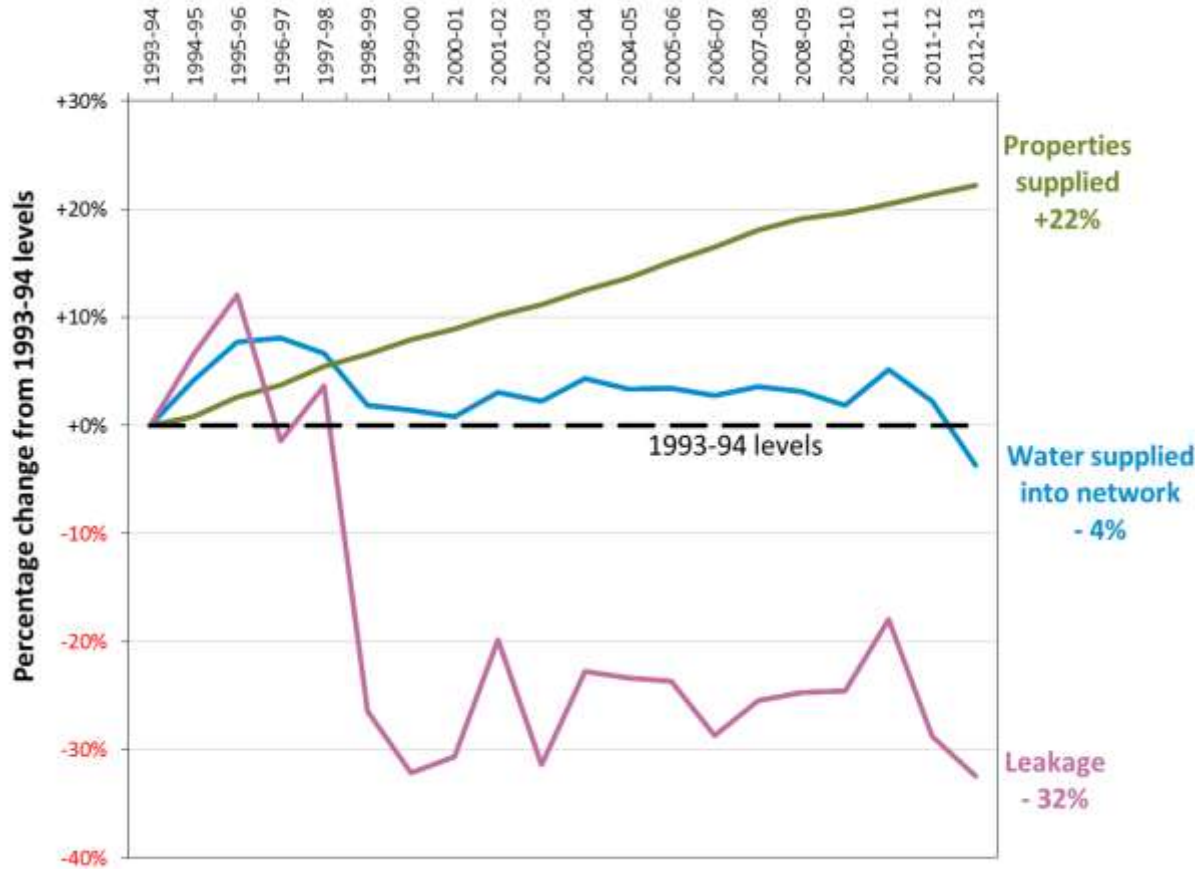
79 MI/d confirmed and likely sustainability reductions

50 MI/d of climate change impact

Need to find 250 MI/d by 2040

Leading the response

Cut leakage and reduce demand



Leakage

15% of distribution input
2020

10% of distribution input
2040

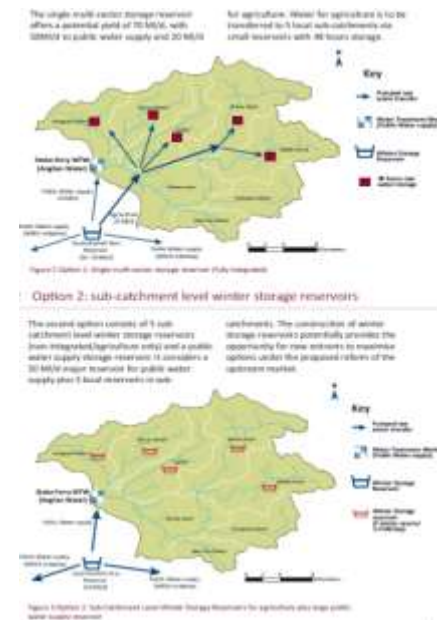
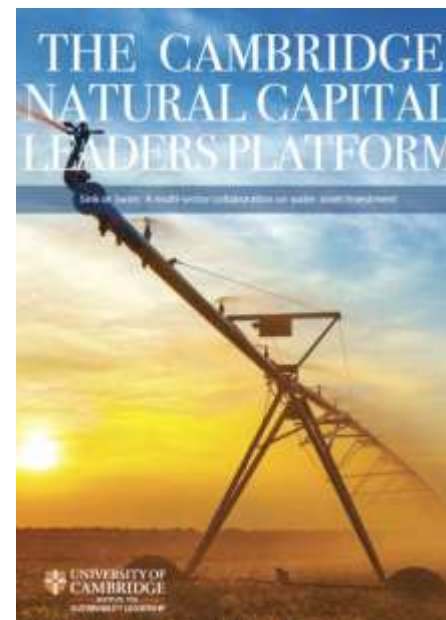
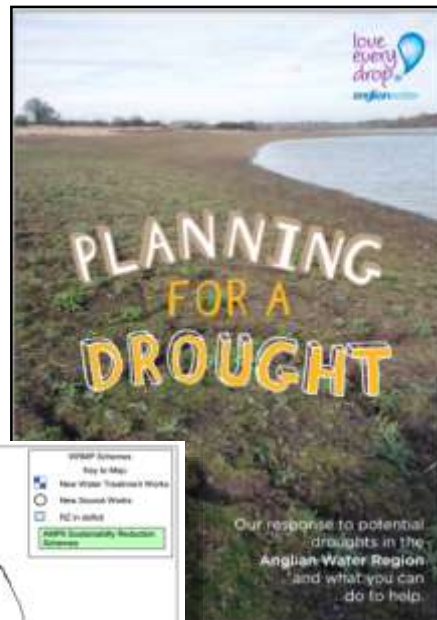
Water efficiency

Metered bills

80%
2015

90%
2020

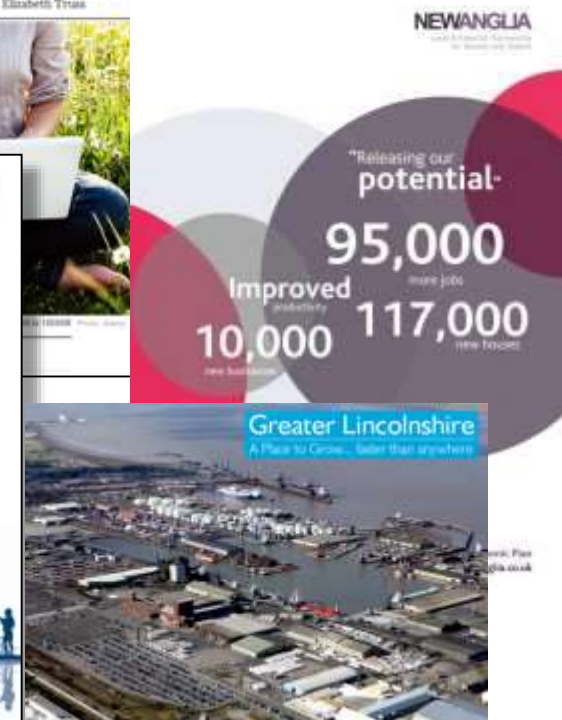
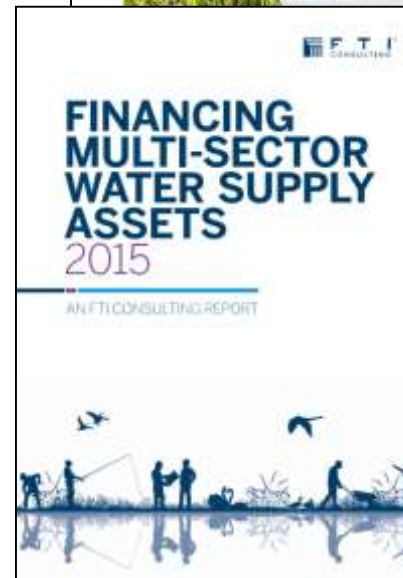
Planning resources that are fit for the future



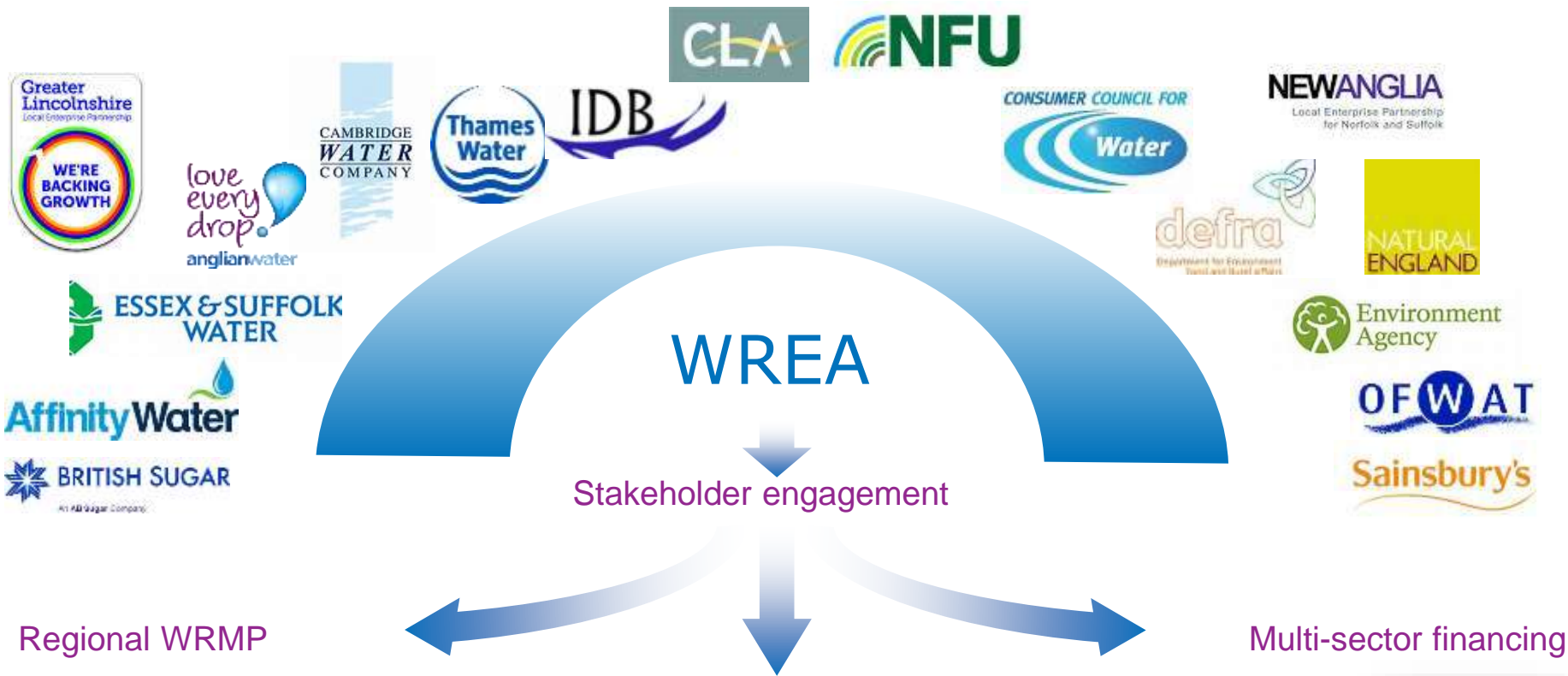
Underpinned by Robust Decision Making methodology

The need for multi-company, multi-sector planning

- Planning that supports
 - economic growth
 - the rural economy
- Holistic plans to mitigate environmental risk from
 - growth in demand
 - climate change
 - multi-season drought
- For joined up thinking
 - reduce costs
 - increase affordability



Water Resource East Anglia



Regional WRMP



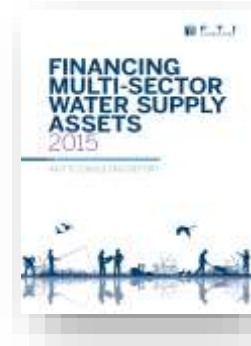
Integrated catchment management



Planning policy



Multi-sector financing



And we can only achieve a successful future by working together





INNOVATION

**LOVE EVERY DROP.
PUT WATER AT
THE HEART
OF A WHOLE NEW
WAY OF LIVING.**

COLLABORATION

TRANSFORMATION