



ENGINEERS  
AUSTRALIA



# WORLD ENGINEERS SYMPOSIUM

A CHANGING LANDSCAPE IN 2020

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DELIVERED VIRTUALLY



# Richard Coackley CBE

## CEng FICE FCIWEM

Civil Engineer



A CHANGING LANDSCAPE IN 2020

# Contribution of reducing Carbon in Water to meet UN SDG's and Net Zero Carbon Targets



## What has to be done

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- Reduce global warming and make better use of our water

### how:

- Reduce Greenhouse Gas Emissions, rethink and redeploy our water engineering skills

### when:

- Not by 2050, or 2030, but now.....

it's **URGENT** – “it's now”



## Water Use Cycle

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- Water collection
- Irrigation
- Conveyance
- Water treatment
- Distribution
- Water use
- Sustainable drainage systems
- Sewers
- Wastewater treatment
- Discharge and return to the environment



## What has to be done

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### **Change the way we:**

- use water
- use materials
- use chemicals
- use energy
- educate
- value water

### **Change our approach to:**

- floods
- drought
- water quality
- our environment
- our natural resources
- our future generations



## What can we do to reduce carbon and water use

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- **As individuals**
- **As influencers**
- **As specifiers**
- **As constructors**



## Sustainability and our climate emergency

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- An increasing challenge for all
- Partnership working is required
- New monitoring and measurement is needed
- Effective planning, including resilience and urgency
- Knowledge transfer and education is needed





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## Discussion and Questions

