# Transboundary water management

May 2019

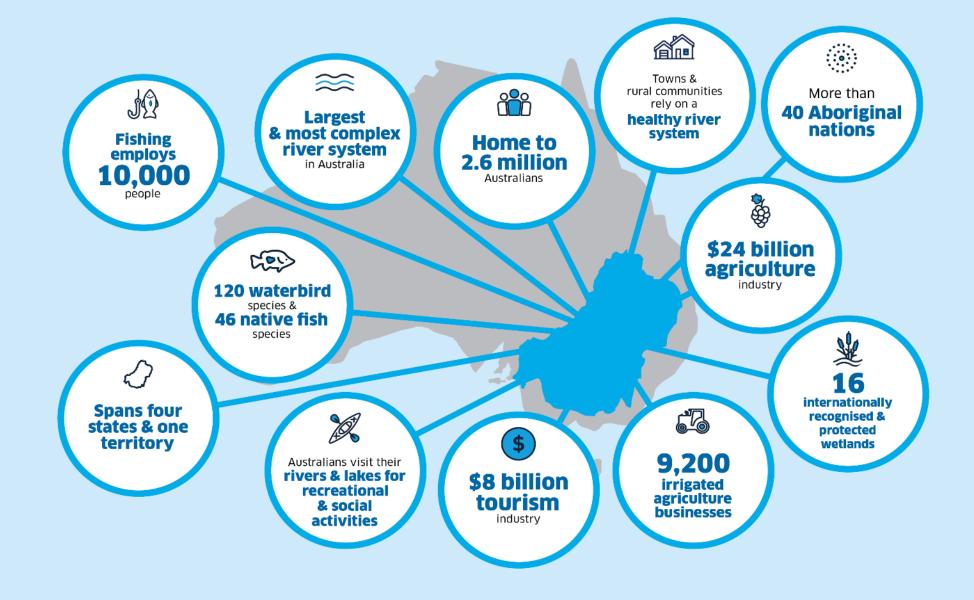




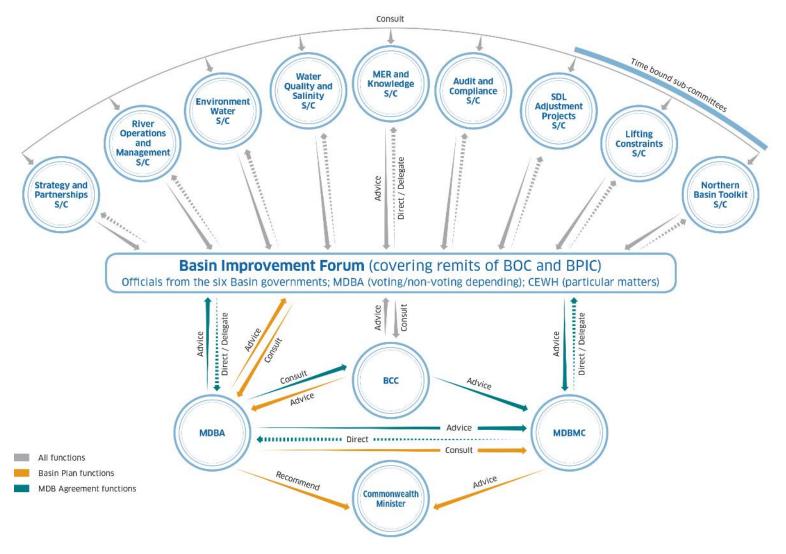
# Managing water across 6 governments



#### Managing for social, economic and environmental values



# Complex governance arrangements



### Roles in water management

- Planning and science
- River operations
- Monitoring and evaluation
- Project management
- Regulation
- Enforcement and compliance

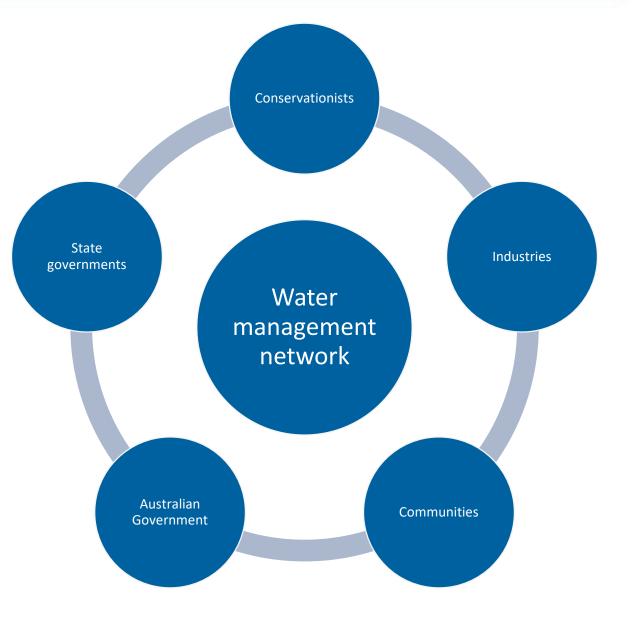
All functions require shared vision and purpose
+
Collaboration

#### Focus of talk – how to build collaboration

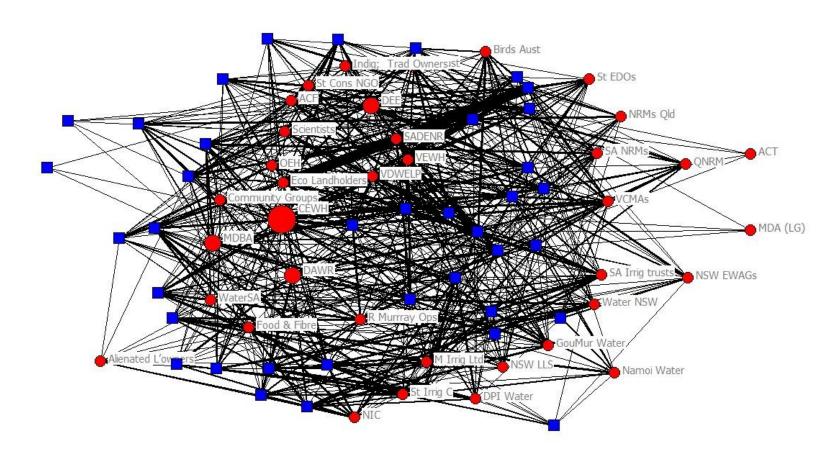




# Water management - a network of interests



# A large complex and dynamic network



Manage
through
influence NOT
Authority

# Collective impact: A model for collaboration

Backbone support

Common agenda

Shared measurement

Mutually reinforcing activities

Continuous communication

### 1) A common agenda

Common agenda

Political compact and shared resources

Capacity to accommodate diverse interests

## A common agenda

Shared stewardship



A healthy, working Basin



#### A common agenda: accommodating diverse interests

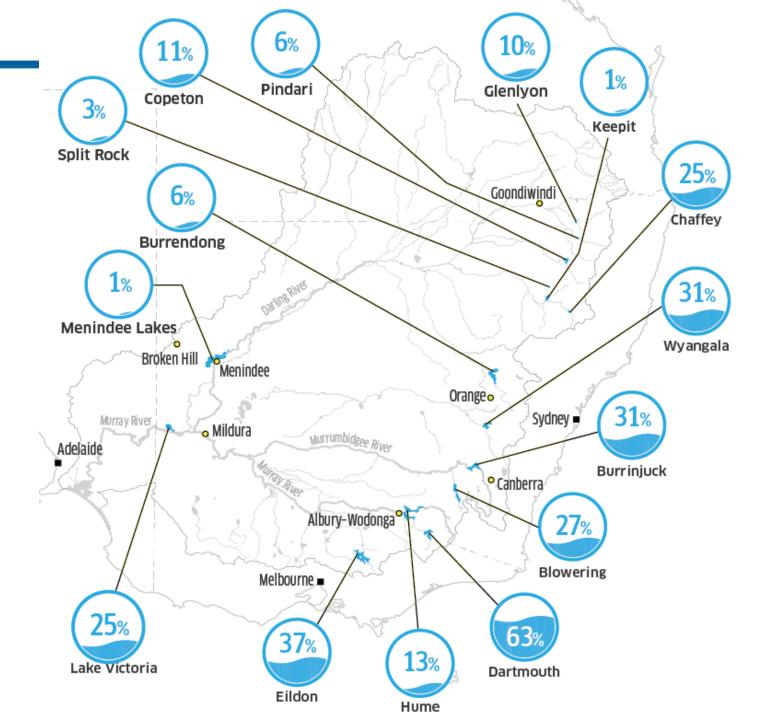
Infrastructure

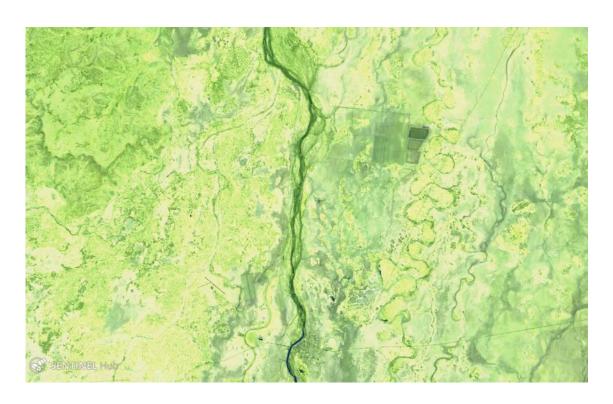
Industry

Community engagement

**Environment** 

# 2) Shared measurement











# 3) Mutual reinforcing activities











# Delivering water for the environment

Extending the duration of flow sustains the health of floodplain and in-stream habitat, and increases breeding opportunities.

Supplementing the **volume** of flow can create cues for breeding/movement and expands the area of inundation.

Natural cue

Regulated/unregulated flows

# 4) Continuous communication

- Basin Community Committee
- Advisory Committee on Social, Economic and Environmental Sciences
- Salinity and water quality working group
- Southern Connected Basin Environmental Water Committee

# Case study in salinity

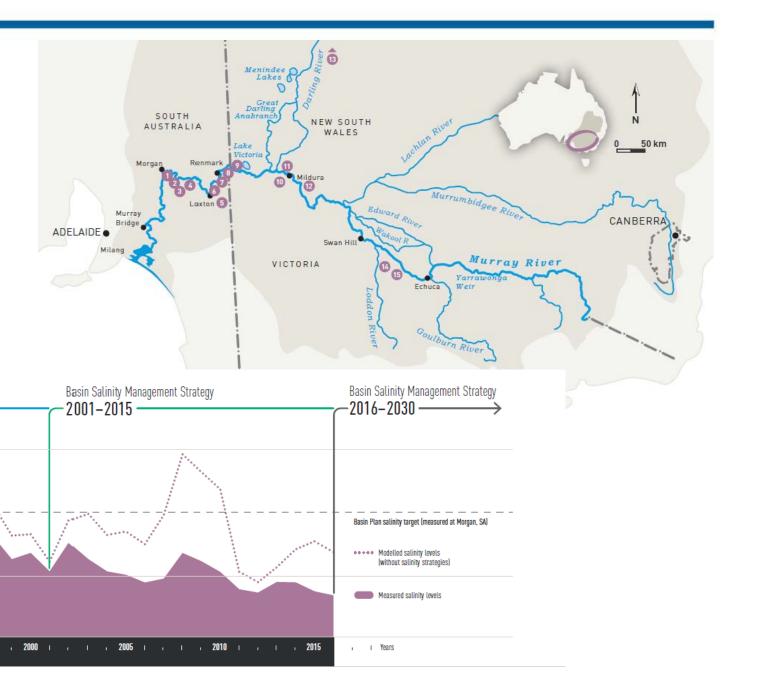
Salinity and Drainage Strategy

-1988-2000 <del>-</del>

River Murray salinity levels\* and the

impact of management strategies
"Measured at Margan

400 EC



# 5) Backbone support

**Build networks** Facilitate linkages An Share information organisation dedicated to a **Build capacity** common Undertake research agenda Shared planning Shared projects

### How to operationalise

 Committees and networks at all levels

Human connections







# Thank you.

#### **Office locations**

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