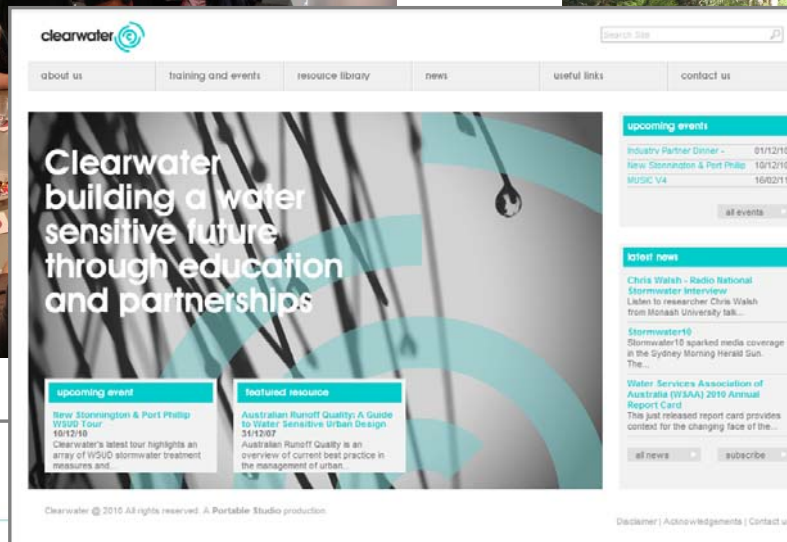
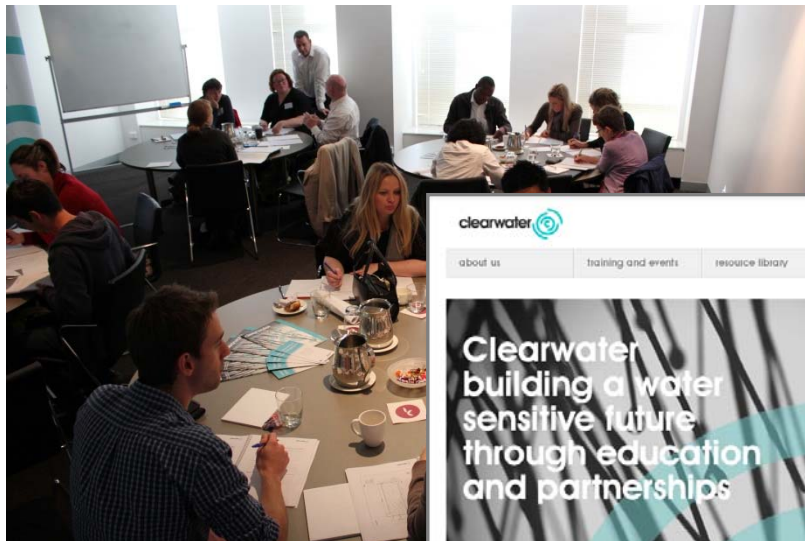


Building capacity with regional and rural councils – WSUD & IWM

Anna Jennings
Regional Stormwater
Policy Advisor

Urban sustainable water management capacity building program



Stormwater Harvest and Reuse
Workbook

Hot Topics
IWM – Clause 56.07 and beyond
Friday 16 November 2012

Regional Stormwater Policy Advisor



Objective 1 -
Establish how
councils are
implementing
Clause 56.07,
WSUD and IWM

Objective 2 - Provide
feedback to sponsors
on uptake of Clause
and awareness of
WSUD and IWM

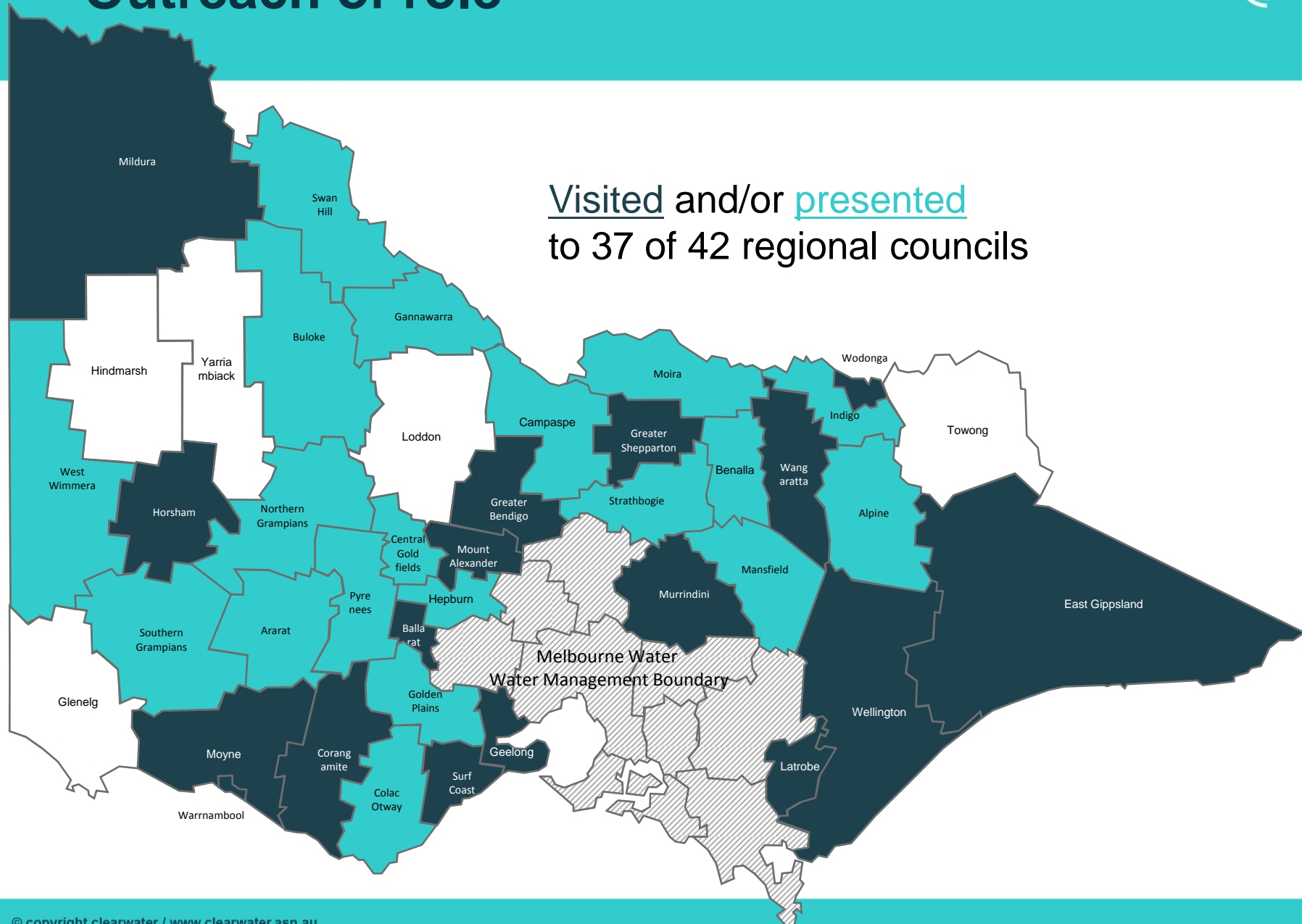
Regional
Stormwater
Policy Advisor
Role

Objective 3 - Make
recommendations and
develop tools to support
ongoing uptake of the
Clause, WSUD and IWM

Streetscape swale – Boulevard Estate
Image courtesy of CPG Australia

Outreach of role

Visited and/or presented
to 37 of 42 regional councils



Identifying enablers and barriers



A council champion

Change advocate

- Works across council teams
- Project experience and/or training
- Central contact point to disseminate information
- Leads council initiatives

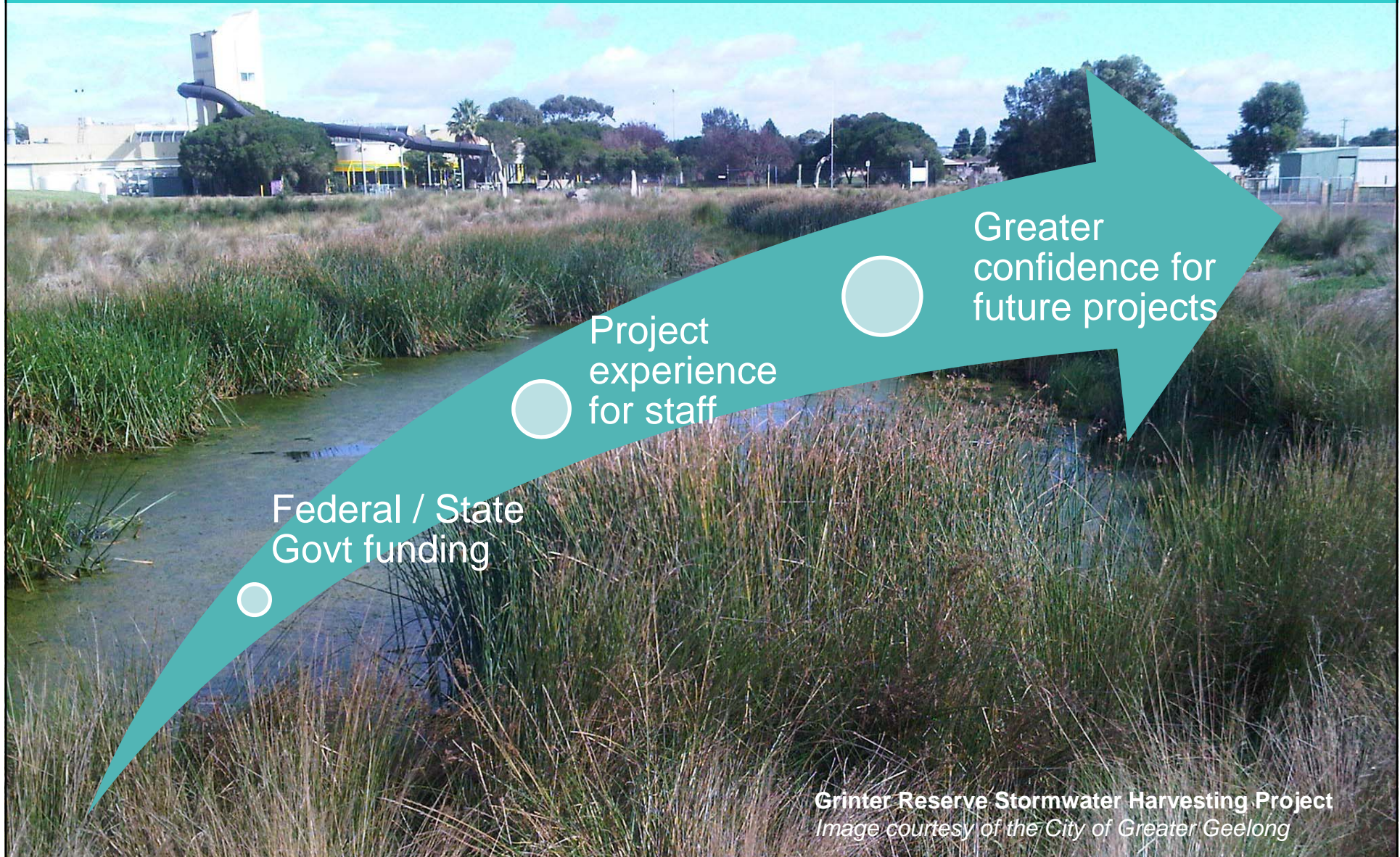
A can do attitude

- Willing to try out new ideas/ways of working
- Takes time to learn from past mistakes
- Passionate about enhancing the environment
- Challenges behaviours

Absence of a champion

- Council difficult to engage with
- Generally lagging behind other councils
- Challenging behaviours and a 'can't do' approach

Resources – skills, knowledge funding



Federal / State
Govt funding

Project
experience
for staff

Greater
confidence for
future projects

Grinter Reserve Stormwater Harvesting Project
Image courtesy of the City of Greater Geelong

Perception – public, developers, council



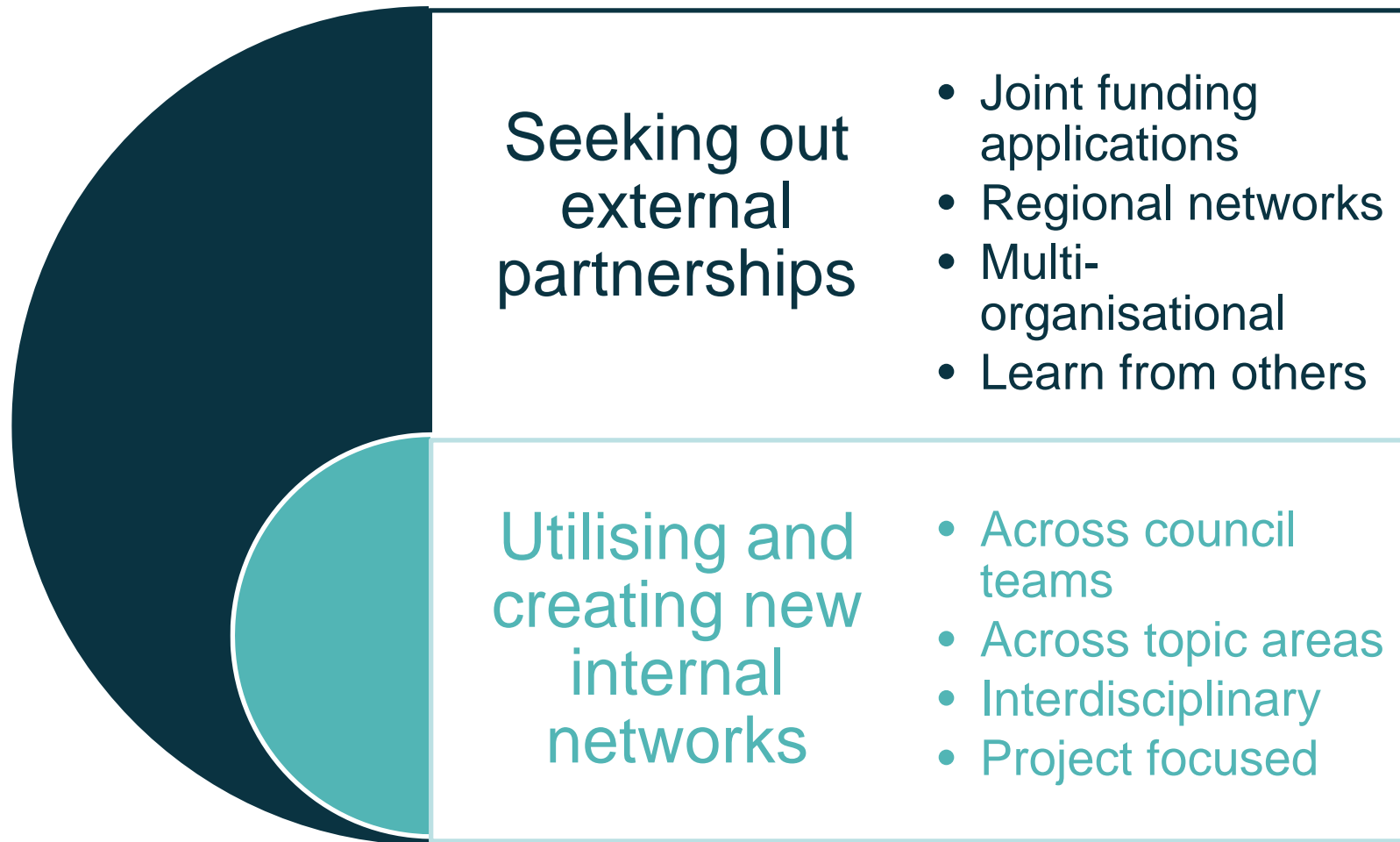
They are a maintenance nightmare and cost a fortune

An eyesore – a bunch of weeds and litter trap

I don't want that in front of my property, it looks like a fire hazard!

How effective are they really? They end up clogged with sediment





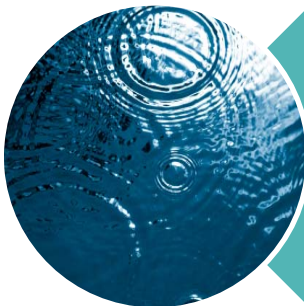
Environment – drivers and barriers



Drivers – protected receiving environment (Ramsar wetland, drinking water catchment)



Barriers – challenging topography and geology



Weather – lack of rainfall, too much rainfall, frequency and severity of storm events

Victoria Planning Provisions

Clause
56.07

Adoption of
offset/tariffs
option

Local Planning Scheme

Stormwater
management

Precinct
structure
plan

Planning applications

Infill vs greenfield

End of pipe vs
onsite treatment

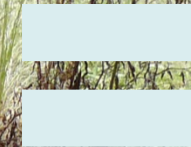
Cost and maintenance



Upfront
construction
cost and
ongoing cost
of systems



Lack of
knowledge
and
experience in
maintaining
systems



Very real
barriers for
councils to
uptake
WSUD and
IWM

Ingredients for gaining sustained commitment to WSUD and IWM



Research

- Forming partnerships to enable the translation of research in practice
- Pushing for innovation and new technologies

Policy

- Better policy integration - strong state and local policies
- Planning for growth – setting direction in PSPs

Collaboration

- Internal and external collaboration – inter-agency and inter-departmental
- Raise community awareness through engagement

Commitment

- Internal and external commitment driven by a local champion(s)
- Participation and commitment to relevant networks

Design and Construction

- Explore multiple benefits, adopt correct construction practices
- Protect systems during build-out/staging

Maintenance

- Engage maintenance teams in design, increase their understanding and
- Adopt easy to follow practices that integrate with asset management processes

Lessons learnt

- Take the time to reflect on own projects, share reflections and learn from others
- Close loop through feedback to researchers

Questions?

visit - www.clearwater.asn.au