

# CQ 2022 Big Data Forum

VIRTUAL 'LISTEN-IN' EVENT | WEDNESDAY 11 MAY | 12:15PM - 5:30PM

The event will start with socio-cultural perspectives, and then explore a range of programs that monitor, model and report on elements of central Queensland's six natural assets.

Presenters will outline CQ natural assets' key challenges, lessons, outcomes and opportunities. This event is the next critical step in the central Queensland's Natural Resource Management Plan – the [Central Queensland Sustainability Strategy 2030 \(CQSS2030\)](#).

This is also an opportunity to learn more about the Paddock to Reef Integrated Monitoring, Modelling and Reporting Program (Paddock to Reef program) and collaborate with key stakeholders to co-design a better regional future.



RSVP

<https://qr.page/g/3oowA9TAG8t>



## CQSS OVERVIEW

**Jo Kurpershoek**  
Regional Engagement Coordinator  
Fitzroy Basin Association



## AIR

**Don Neale**  
Science Leader, Air Quality Monitoring  
Department of Environment and Science



## DRIVERS

**Joe Craggs**  
Business Development Manager  
Surf Lakes



## FRESHWATER

**Leigh Stitz**  
Executive Officer  
Fitzroy Partnership for River Health



## SOIL

**Craig Thornton**  
Senior Scientist, Brigalow Catchment Study  
Department of Environment and Science



## COASTAL & MARINE

**David Orr**  
Senior Scientist, Water Quality & Investigations  
Department of Environment and Science



## GROUNDWATER

**Sanjeev Pandey**  
Executive Director, Office of Groundwater  
Impact Assessment  
Department of Regional Development,  
Manufacturing and Water



## LAND-BASED

**Tim Ryan**  
Science Leader, Ecosystem Survey & Mapping  
Department of Environment and Science

# Bridging the gap between knowledge and action

## FITZROY BASIN ASSOCIATION

FBA plays a pivotal role in supporting the region's community, industry and government entities to work together to implement more sustainable practices across the region. FBA has an outstanding reputation locally, across Queensland and nationally for developing and delivering effective and efficient programs that work with local community, stakeholders and investors to protect our Region's natural assets. FBA is uniquely placed geographically, strategically and operationally to deliver priority environmental and agricultural outcomes.

**This event brings together industry, investors, researchers, First Nations and natural resource management practitioners to discuss monitoring and reporting relevant to CQ, and how it can be leveraged and combined to report on the state and trend of the region's natural assets into the future.**

## Learn more

Important data collection, collation, analysis and reporting is already underway in central Queensland (and across Queensland). During this event, effective water quality programs will be introduced and explored to inform and inspire opportunities for other asset monitoring.

## THE PADDOCK TO REEF PROGRAM

The Paddock to Reef Integrated Monitoring, Modelling and Reporting Program (Paddock to Reef program) provides the framework for evaluating and reporting progress towards Reef 2050 Water Quality Improvement Plan (Reef 2050 WQIP) targets through the Reef water quality report card.

Launched in 2009, the program unites more than 20 industry bodies, government agencies, Natural Resource Management bodies, landholders and research organisations—working together to measure and report on water quality factors that impact Reef health.

Monitoring and modelling occurs across a range of attributes, from paddock scale through to sub-catchment, catchment, regional and Great Barrier Reef-wide. The program also evaluates management practice adoption and effectiveness, catchment condition, pollutant runoff and marine condition.

Presenters Craig Thornton, Tim Ryan and David Orr will discuss this long-term program.

## FITZROY PARTNERSHIP FOR RIVER HEALTH

The Fitzroy Partnership is a collective of government, agriculture, resources, industry, research and community interests across the Fitzroy Basin in central Queensland.

Partners have a common goal of providing a more complete picture on river health and support this goal by providing funding, resources and contributing water quality and ecosystem health monitoring data through data-sharing arrangements.

The health of the 11 freshwater catchments of the Fitzroy Basin and the estuary zone are assessed using an Ecosystem Health Index. This flagship report collates data that is independently assessed to provide a snapshot of how healthy these systems are.

Dr. Leigh Stitz, will unpack 10 years of data trends and learnings of this basin specific program.



This year's forum is a combined event funded by the Australian and Queensland government's Paddock to Reef Integrated Monitoring, Modelling and Reporting Program (Paddock to Reef program), the Australian Government's National Landcare Program, Fitzroy Basin Association and Fitzroy Partnership for River Health.

First Nation Participation at this forum is funded by the Australian Government's Reef Trust and Fitzroy Partnership for River Health.