

# How did Australia's river water quality change in the last two decades? Insights from a national database

*for 1<sup>st</sup> Australian and New Zealand Water Quality Modelling Symposium*

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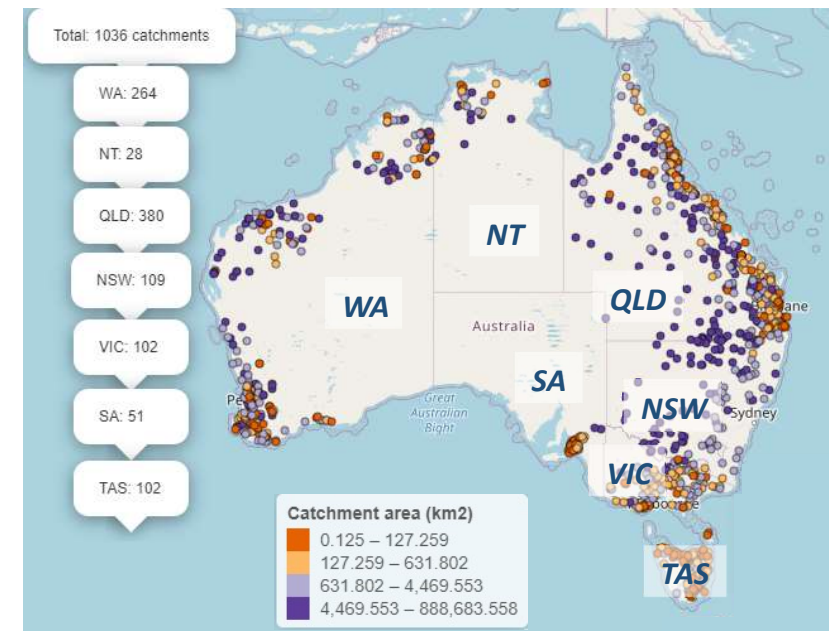
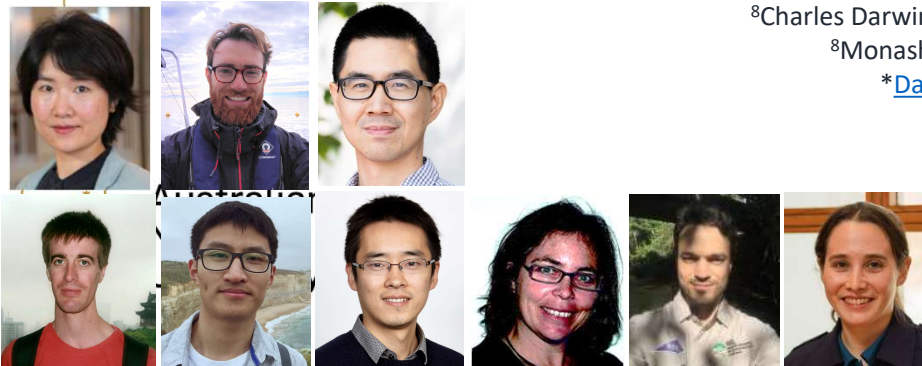
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# No study looked at water quality trends over the entire Australia continent.



## We ask:

- Any large-scale pattern in water quality trends?
- How do trends vary over space?
- Are there systematic non-monotonic changes?

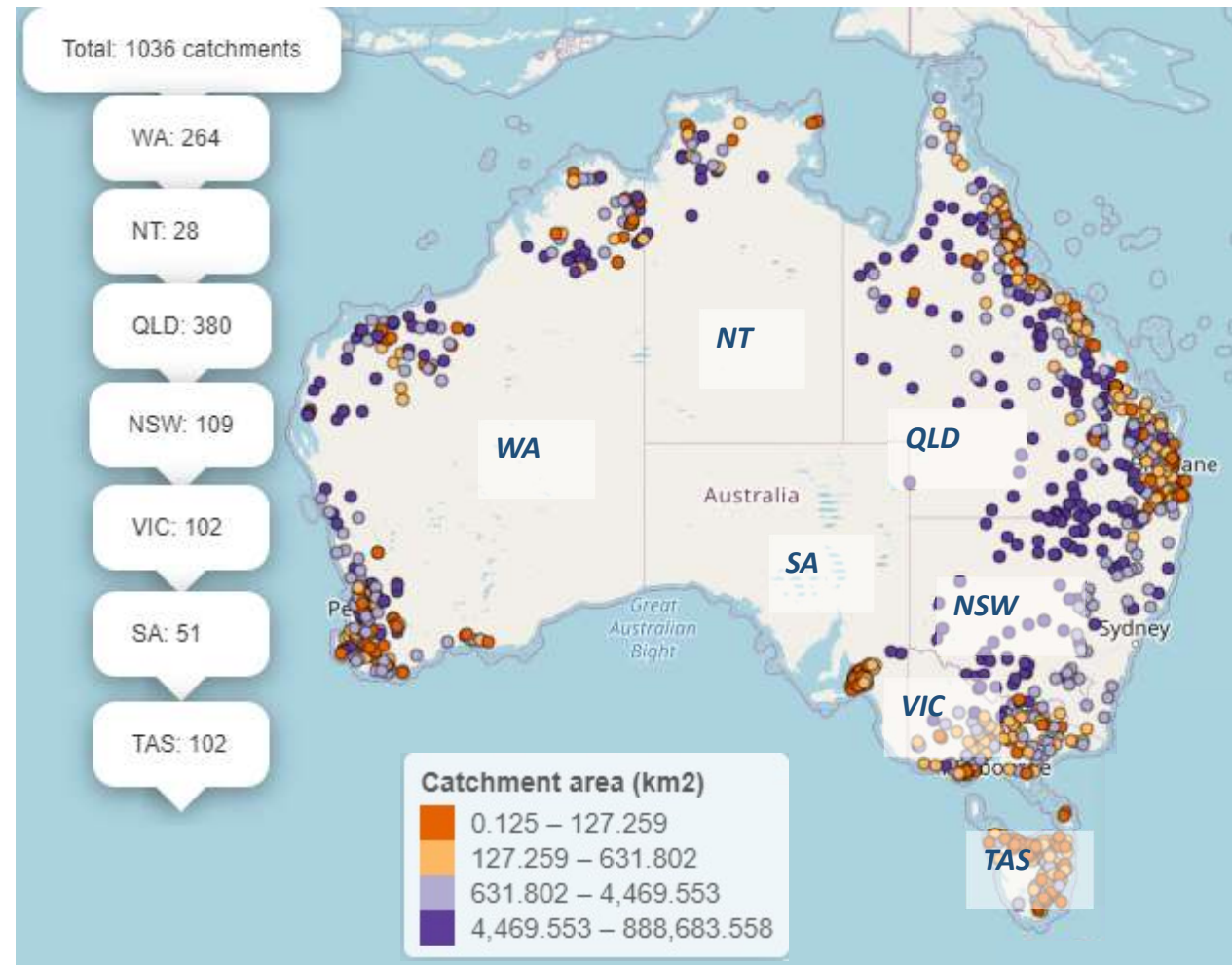
## We use:

- Publicly accessible water quality data from 7 state/territory agencies
- Records of DO, EC, TN, TP, TSS over 2000-2019



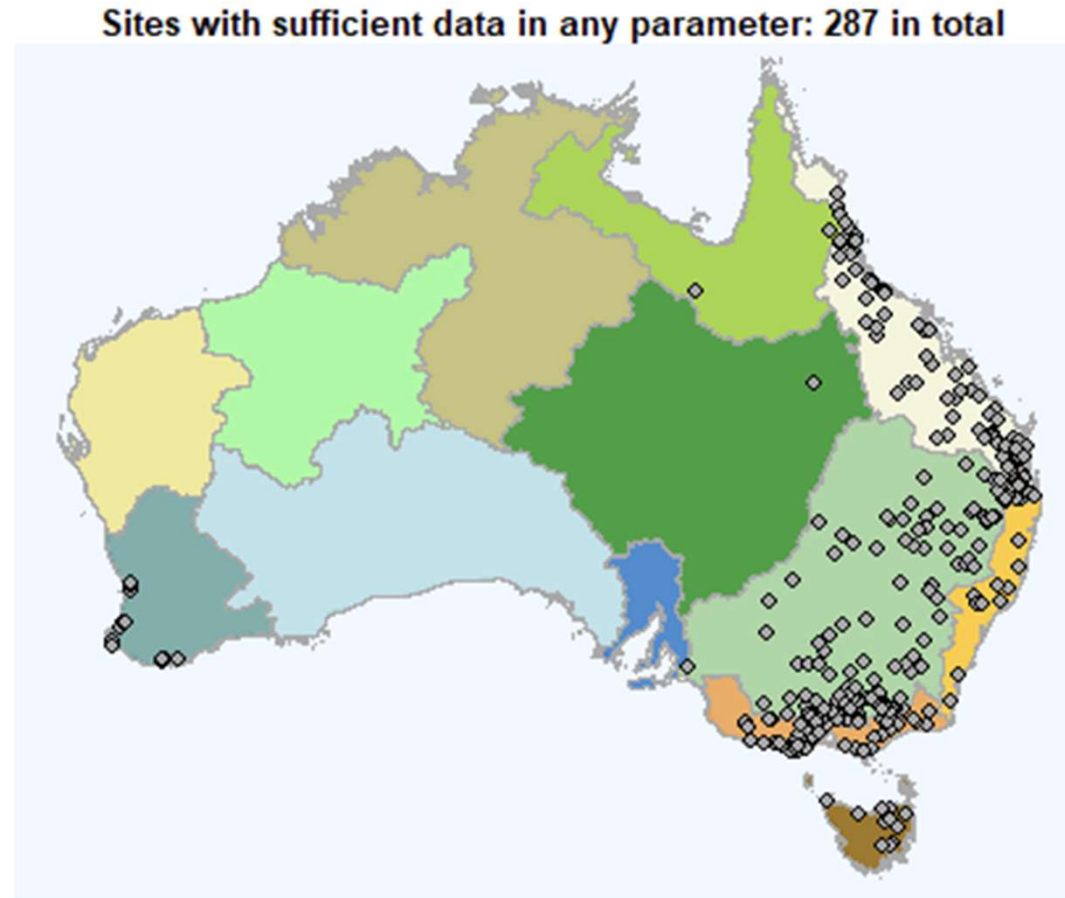
# The Australian National Water Quality Dataset

- Collated from individual states' data (7 ECR's manual work 😊)
- A total of **1036 catchments included**

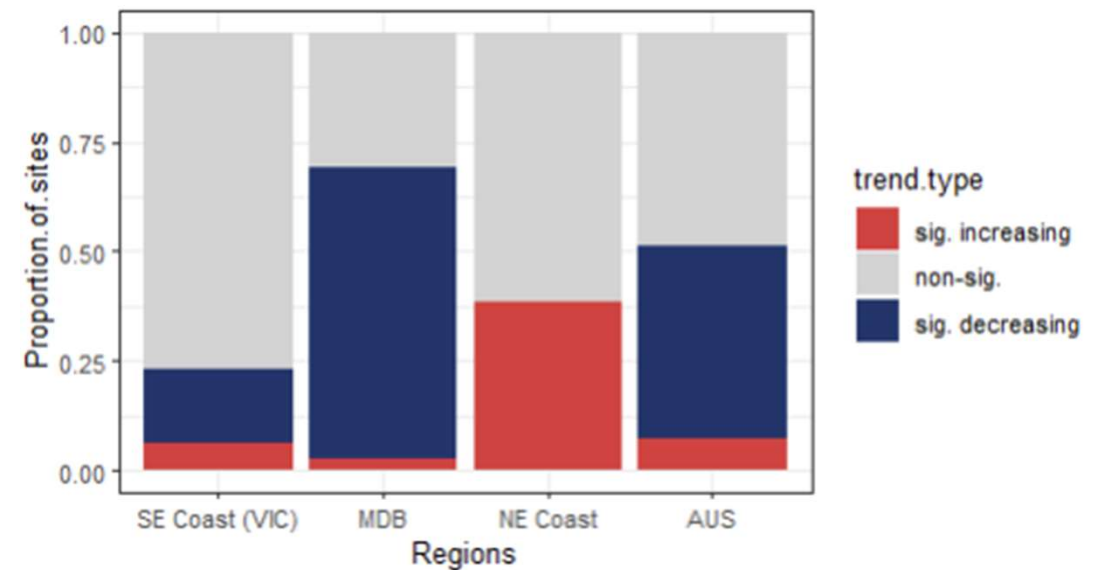
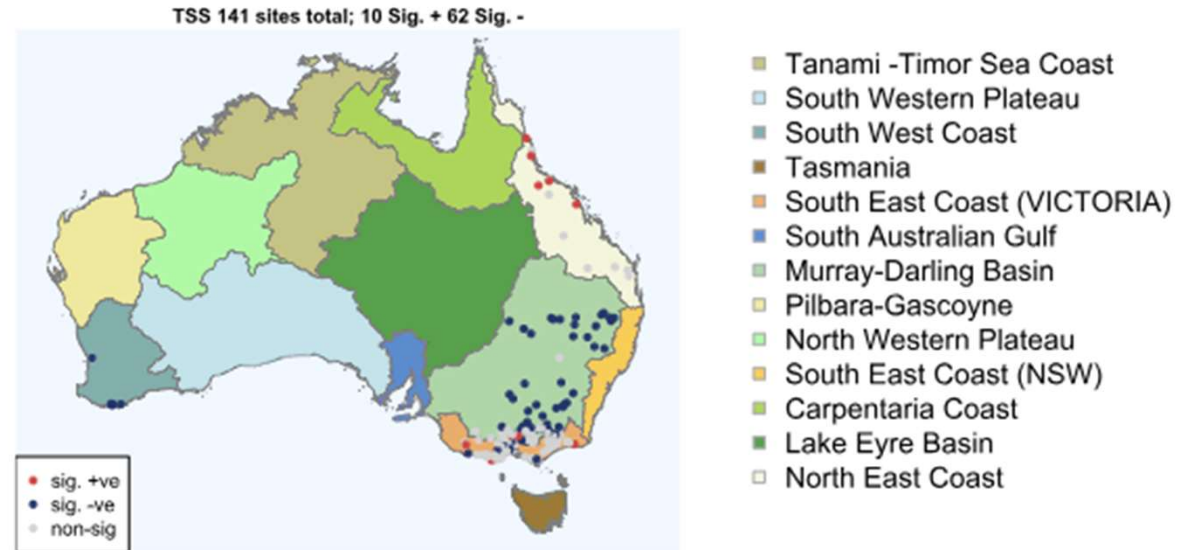


# The Australian National Water Quality Dataset

- Collated from individual states' data (7 ECR's manual work 😊)
- A total of **1036 catchments included**
- After site screening **only 287 remained!!**



# The sort of results we get...



# THANK YOU

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