## Hydro-socio-ecological (HSE) conceptual model enables inclusive and integrated water allocation planning

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- We used a transdisciplinary approach to support more inclusive water planning in WA's Fitzroy River
- We developed a HSE conceptual model to underpin water allocation decisions
- We proposed 10 principles for using e-flows to protect biodiversity and Indigenous values







important for maintaining key habitats, particularly in the dry season. Maintenance of these habitats supports important ecological processes and particular species and places that are important to Traditional Owners.

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(FLOOD) FLOWS facilitate lateral connectivity, maintaining the health of the riparian zone, floodplain, and offchannel wetlands, which support aquatic and terrestrial biodiversity that is distinct from the main river channel. Off-channel wetlands and billabongs and the life they support are highly valued by Traditional Owners.

## Planning occurs in settings where there are multiple world views and many different ways of relating to water.













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