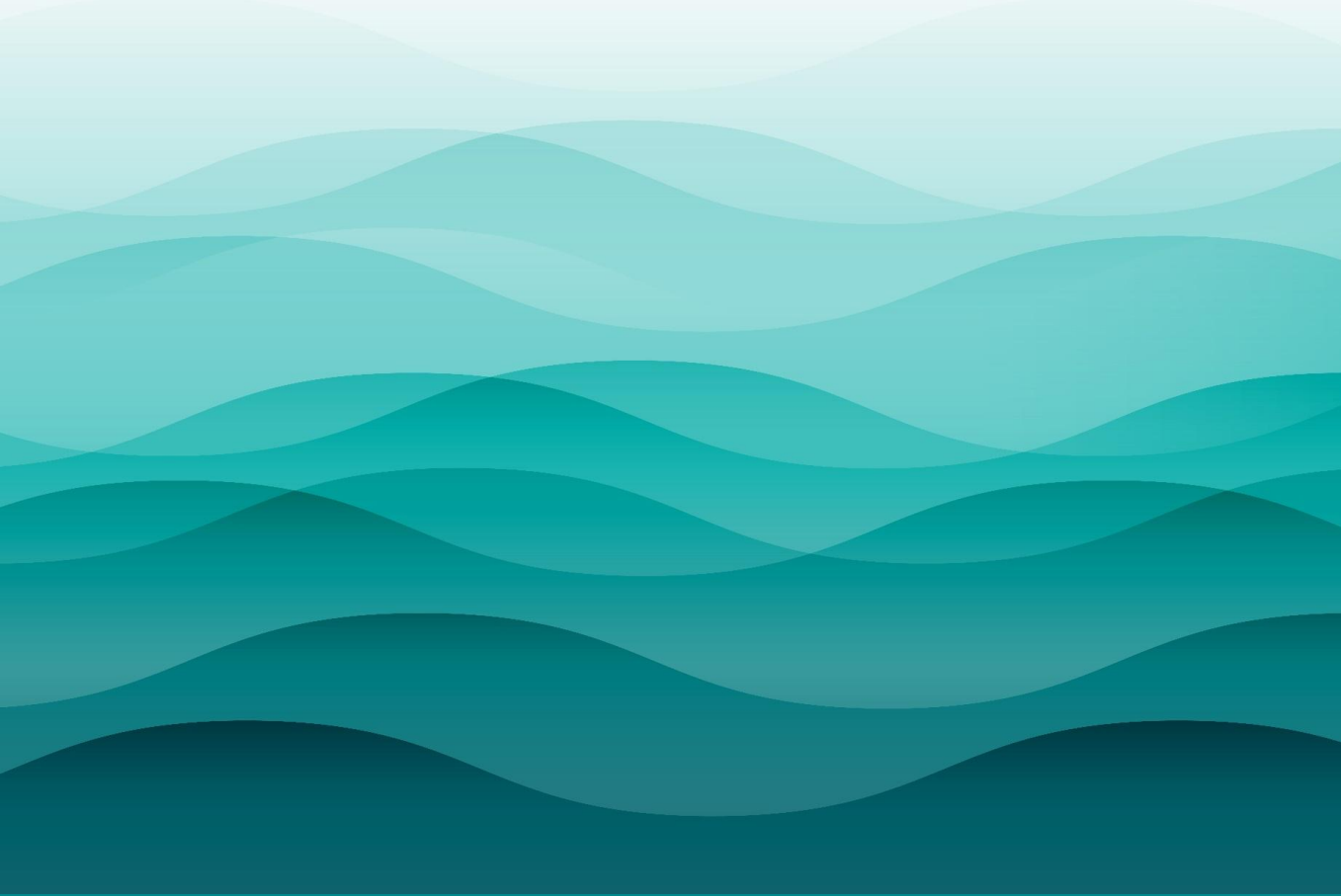




Natural Capital Accounting for Forest Estate Management

Session 4: Incorporating New
Components – Natural Capital

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Economist, IDEEA Group

30 March 2026



Recognise. Account. Decide.

Acknowledgement of country



We acknowledge the Wurundjeri Woi-wurrung and Bunurong peoples.

We pay respect to Elders past and present and gratefully support their ongoing custodianship of Country.



*Photo: Scarred tree,
Wurundjeri*

About us



IDEEA Group are world leaders in natural capital accounting and lead authors of the UN System of Environmental-Economic Accounting (SEEA)

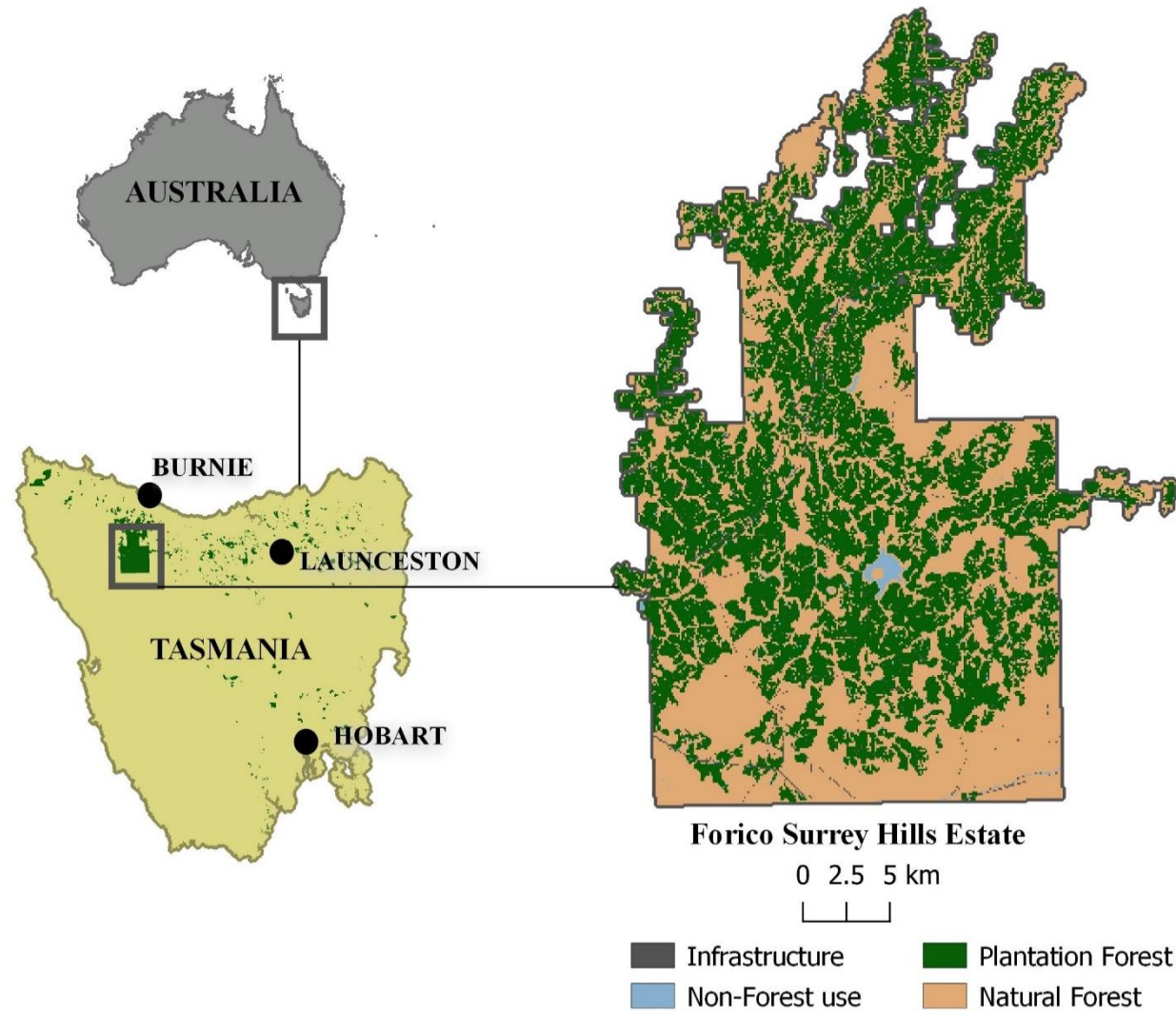


Data4Nature (D4N) is our trusted, cloud-based nature intelligence platform aligned with natural capital accounting and the SEEA



The SEEA is the international standard for natural capital accounting. The SEEA INSIDE logo means that the natural capital approach aligns with the SEEA.

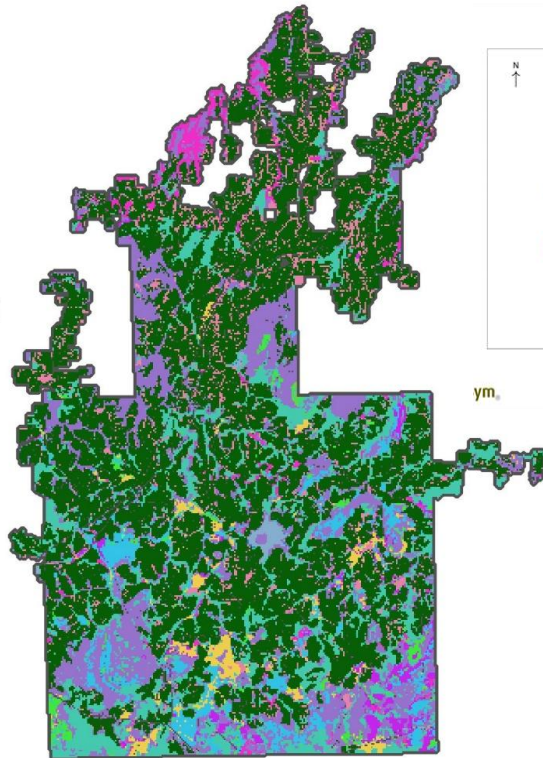
Forico estate – plantation forest



Forico estate – ecosystem extent and ecosystem services

Natural FMZ

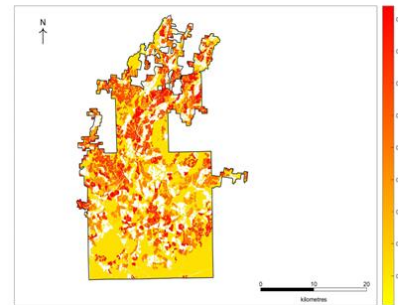
- Agricultural, urban and exotic vegetation
 - Dry eucalypt forest and woodland
 - Highland and treeless vegetation
 - Moorland, sedgeland, rushland and peatland
 - Native grassland
 - Non eucalypt forest and woodland
 - Other natural environments
 - Rainforest and related scrub
 - Saltmarsh and wetland
 - Scrub, heathland and coastal complexes
 - Wet eucalypt forest and woodland
- FMZ (non natural)
- Plantation
 - Infrastructure
 - Non-forest use



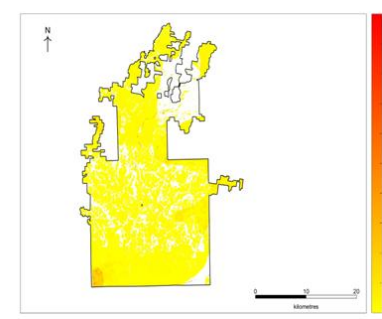
Forico Surrey Hills Estate

0 2.5 5 km

Carbon sequestration



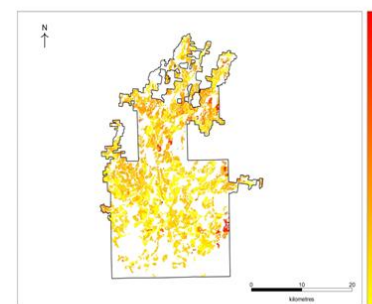
Water provisioning



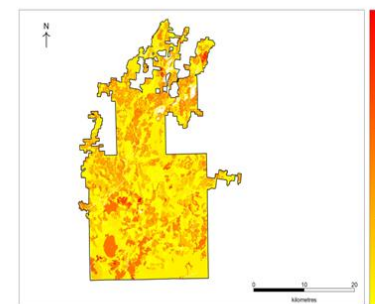
Habitat provisioning



Timber provisioning



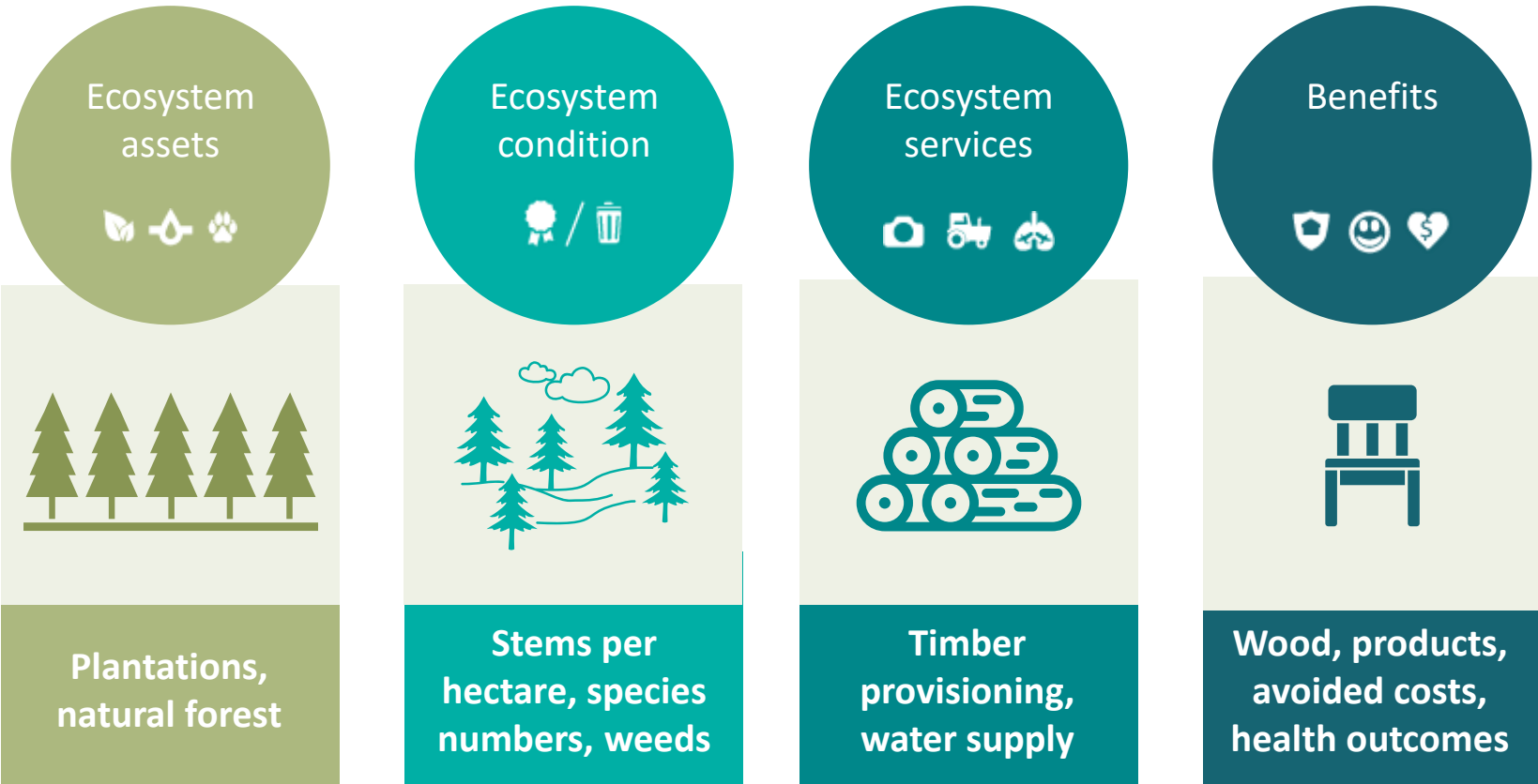
All services (normalised)



Natural capital accounting

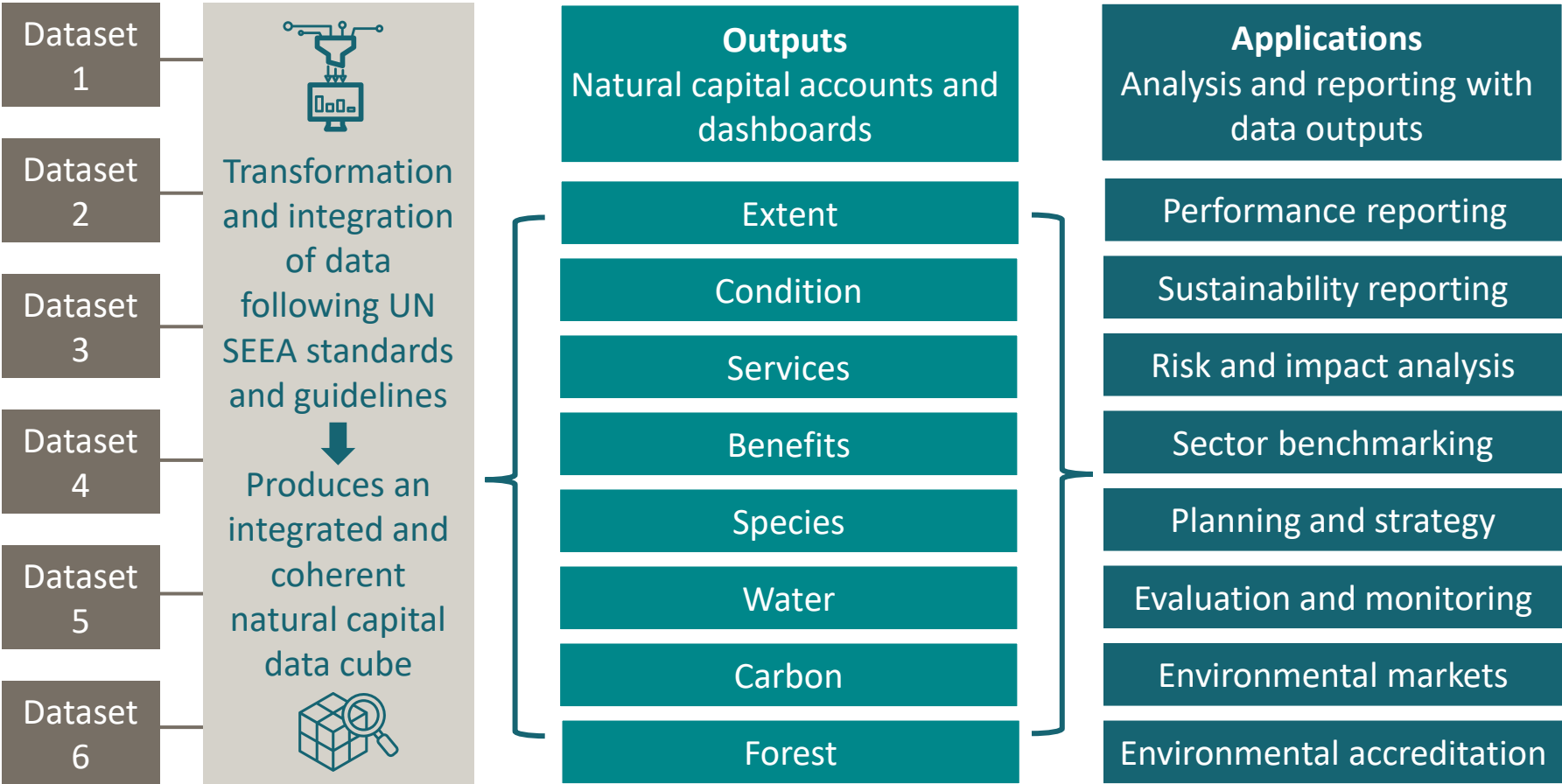


The natural capital that a forestry organisation manages



UN System of Environmental-Economic Accounting – Ecosystem Accounting

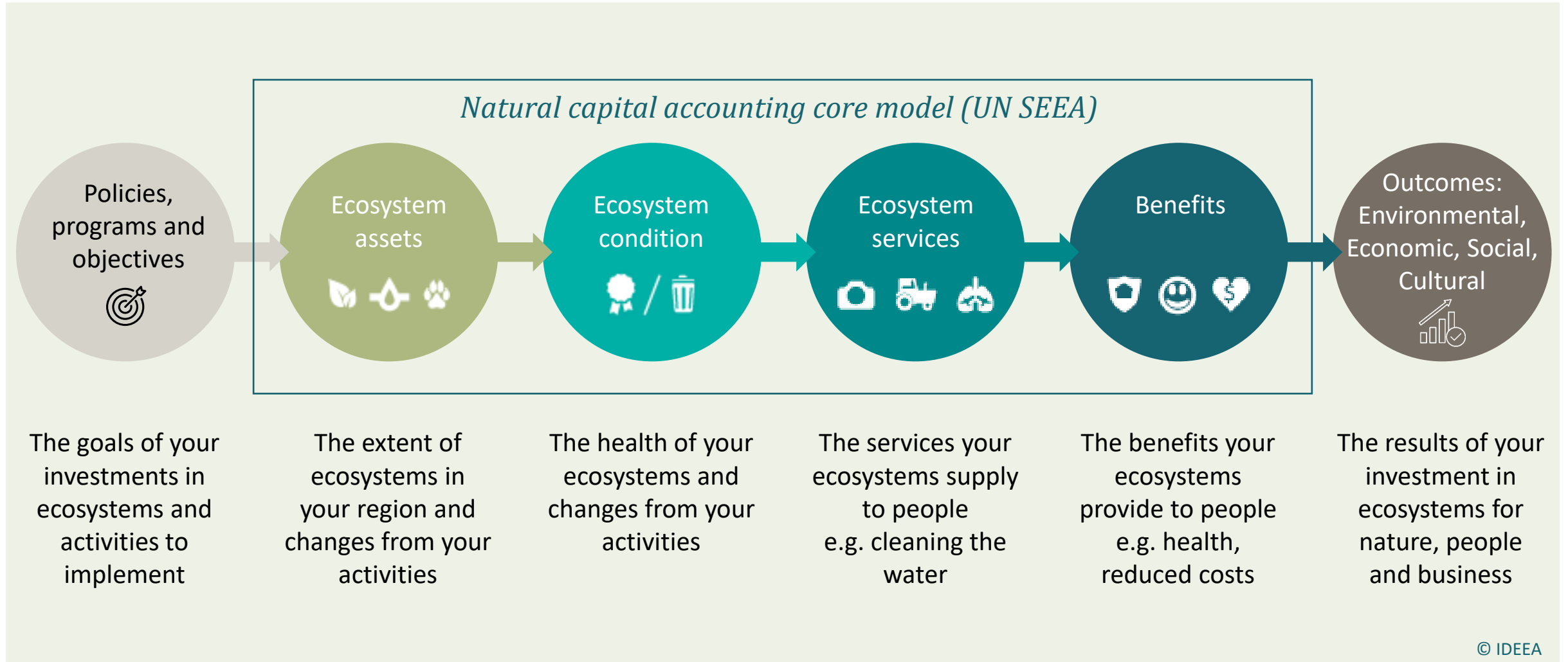
Linking NCA to priority applications



Analysis of the natural capital data cube can produce many different outputs

SEEA-aligned natural capital data outputs can be applied in multiple ways

Natural Capital Program Logic



© IDEEA

Case study – targeting river health

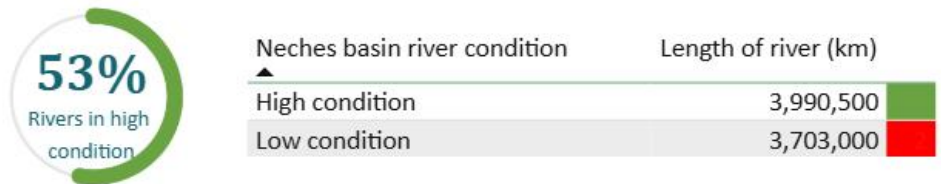
Neches basin - river health



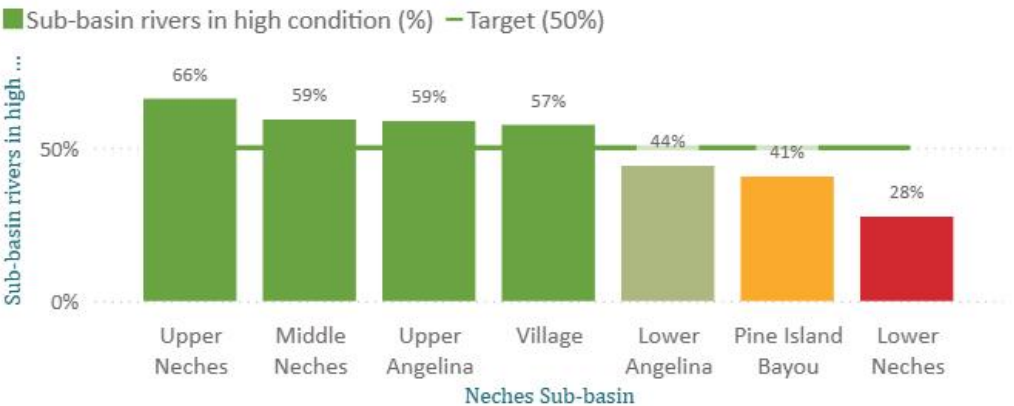
Scorecard - Neches basin

Priority properties could also be identified by focusing on the condition of neighbouring rivers. This scorecard highlights which rivers in the Neches water basin are in high or low condition. Low river condition could be improved through improved management of neighbouring timber plantation.

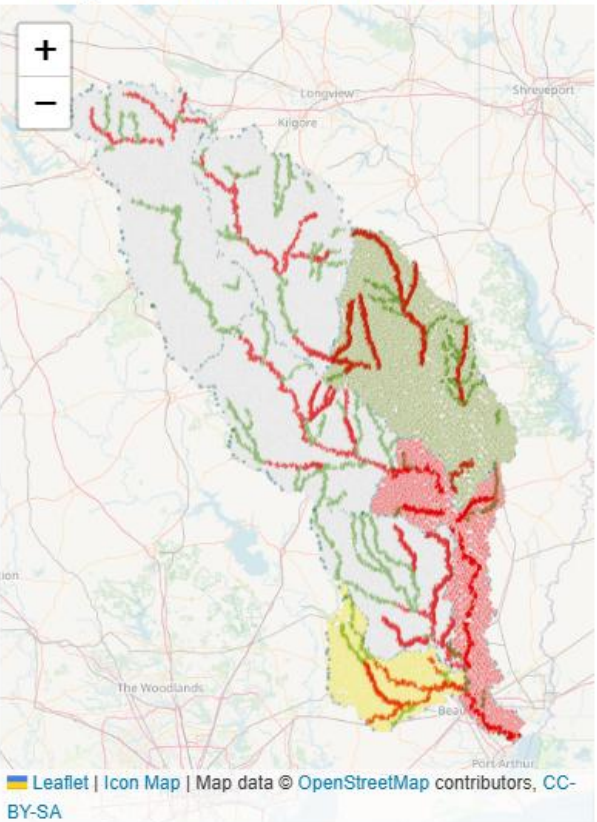
Neches basin rivers in high condition (%)



Neches sub-basin river condition



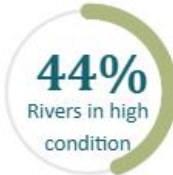
Target sub-basins for river restoration



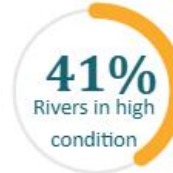
Target sub-basins for river restoration

Shaded areas on map match dial colors

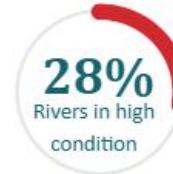
Lower Angelina



Pine Island Bayou



Lower Neches



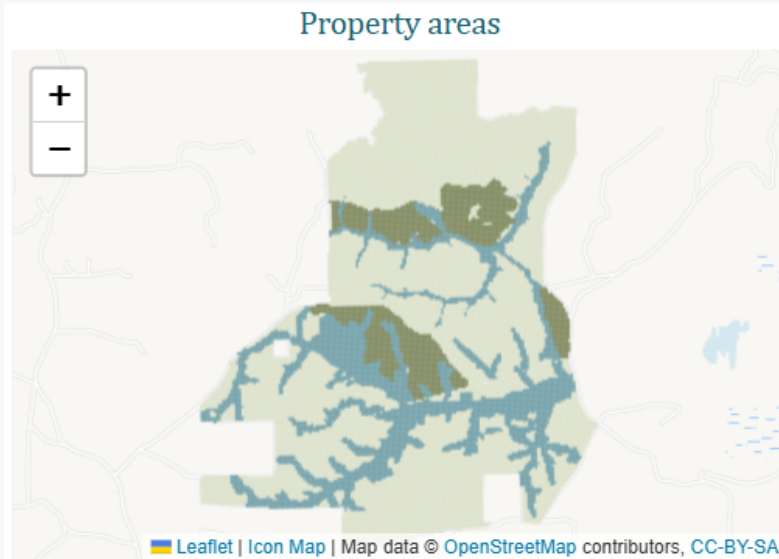
Case study – quantifying transition benefits

Neches basin water recharge benefit

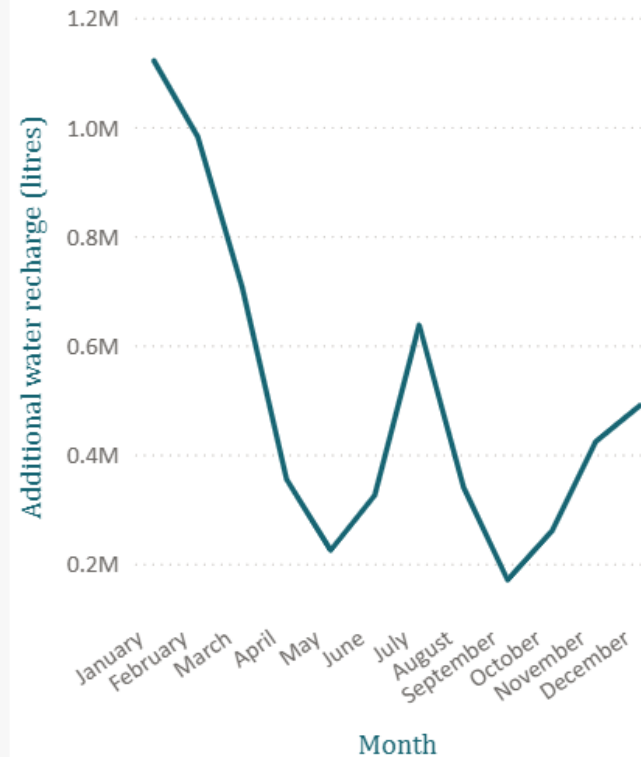


This page shows the plantation areas that will be transitioned to native pine plantations. The native pine species uses significantly less water and has longer harvest cycles. The water recharge benefits this will achieve for Neches basin were modelled and are illustrated below.

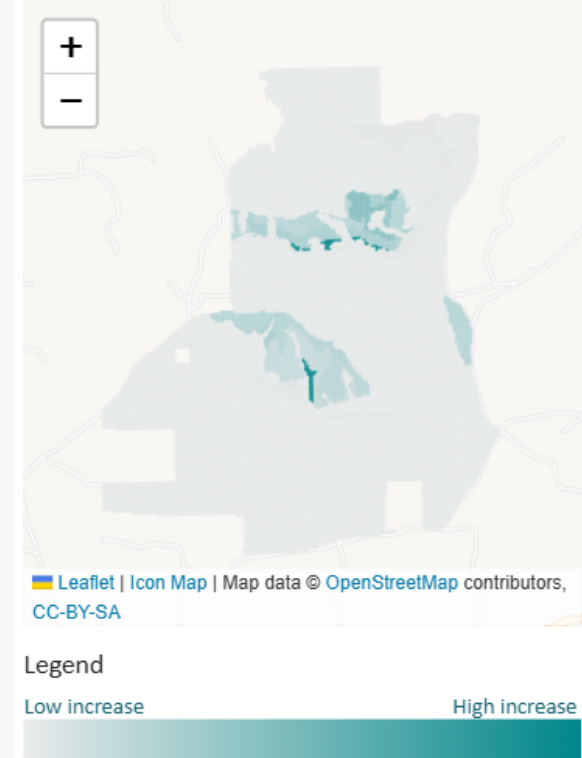
Property areas	Size of area (ha)
Transition to native pine	173
Exotic pine plantation	1,042
Riparian zone	469
Total	1,685



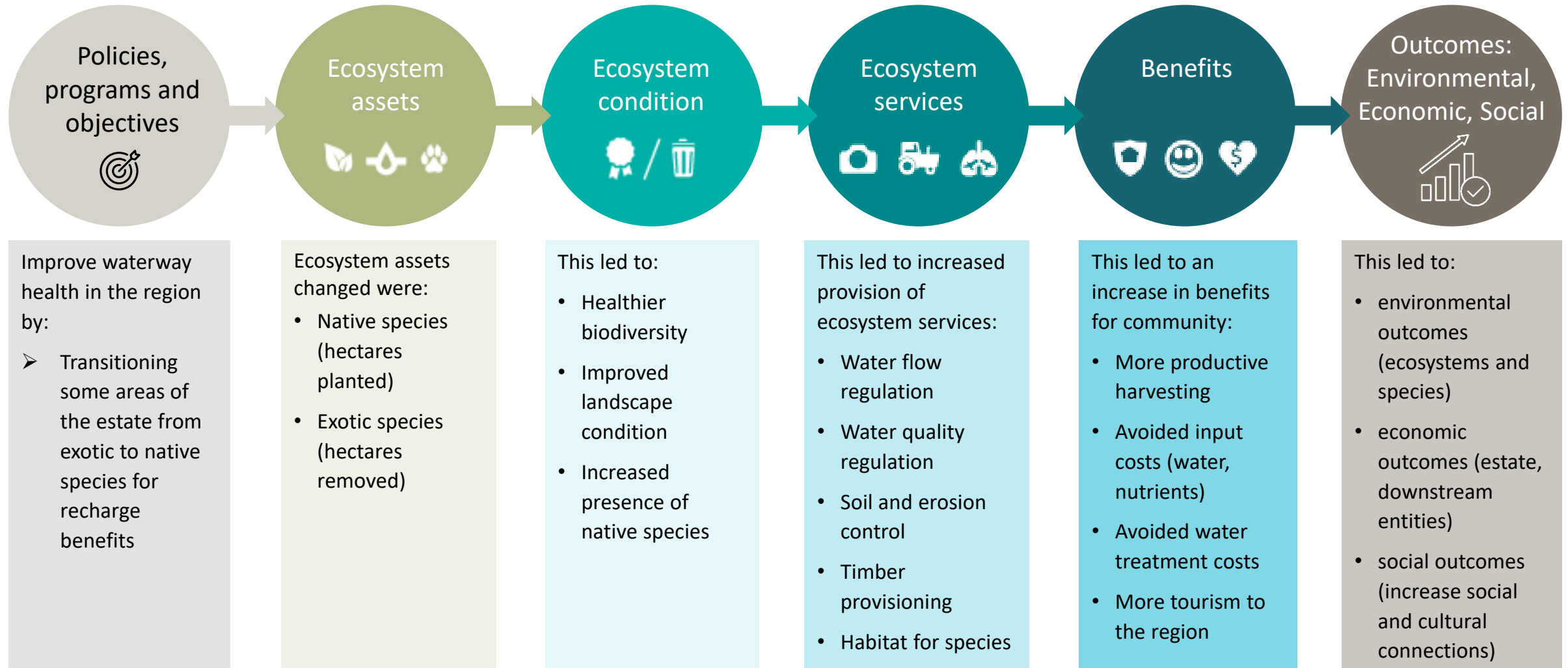
Neches basin annual water recharge benefit



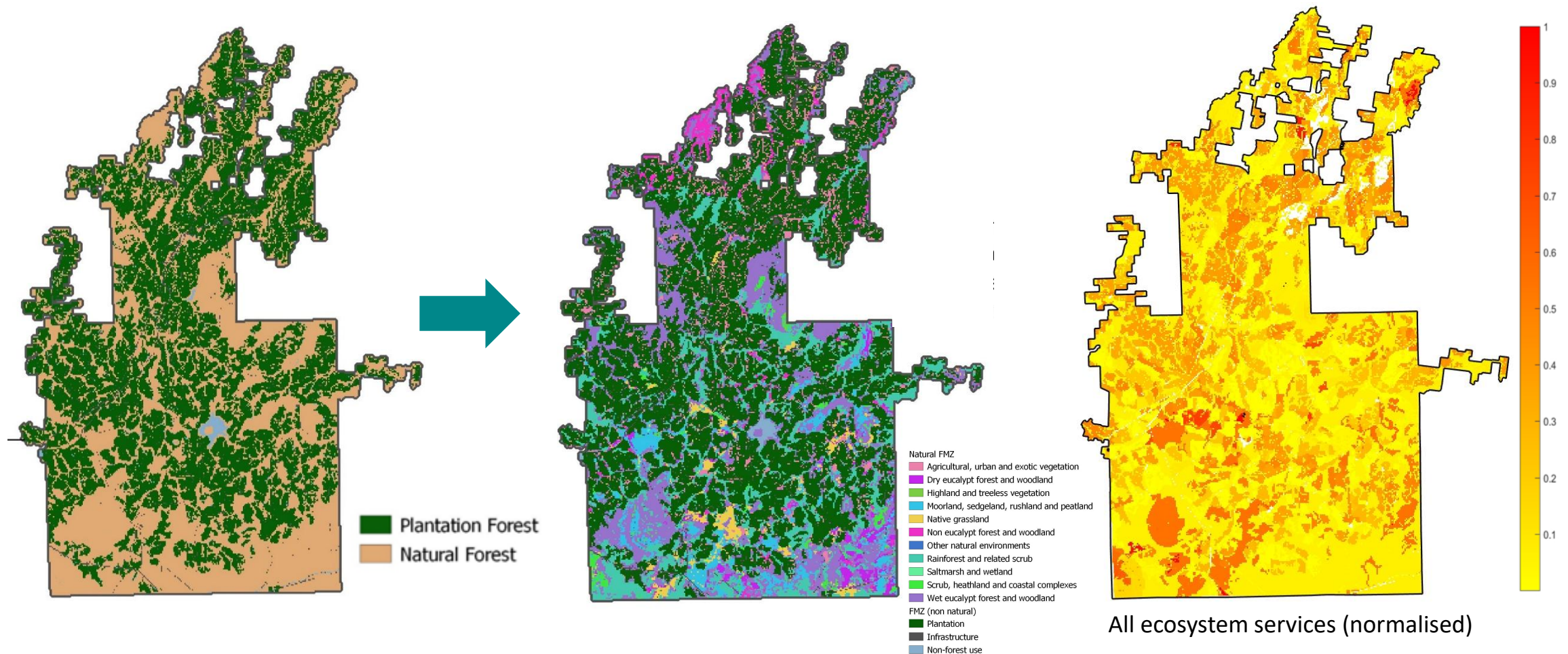
Source of water recharge benefit



Natural Capital Program Logic – transition case study



Natural capital accounting – making the value of nature visible



Thank you

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www.ideeagroup.com

