

ENCORE – EXPLORING NATURAL CAPITAL OPPORTUNITIES, RISKS AND EXPOSURE

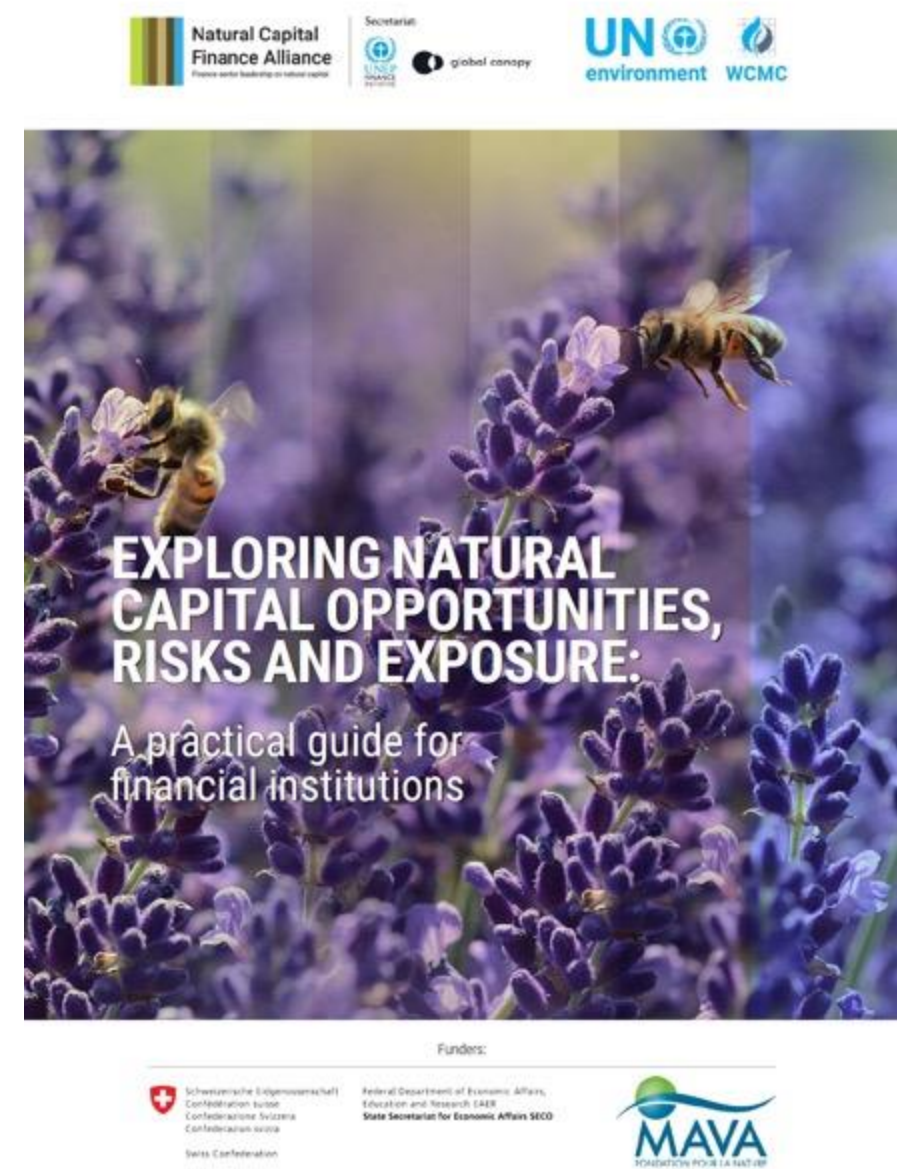
Katie Leach

ENCORE – Exploring Natural Capital Opportunities, Risks and Exposure

3 year research project into natural capital dependencies

User research with 12 financial institutions

<https://encore.naturalcapital.finance/>



Key insights into natural capital risk

How do businesses depend on natural capital?

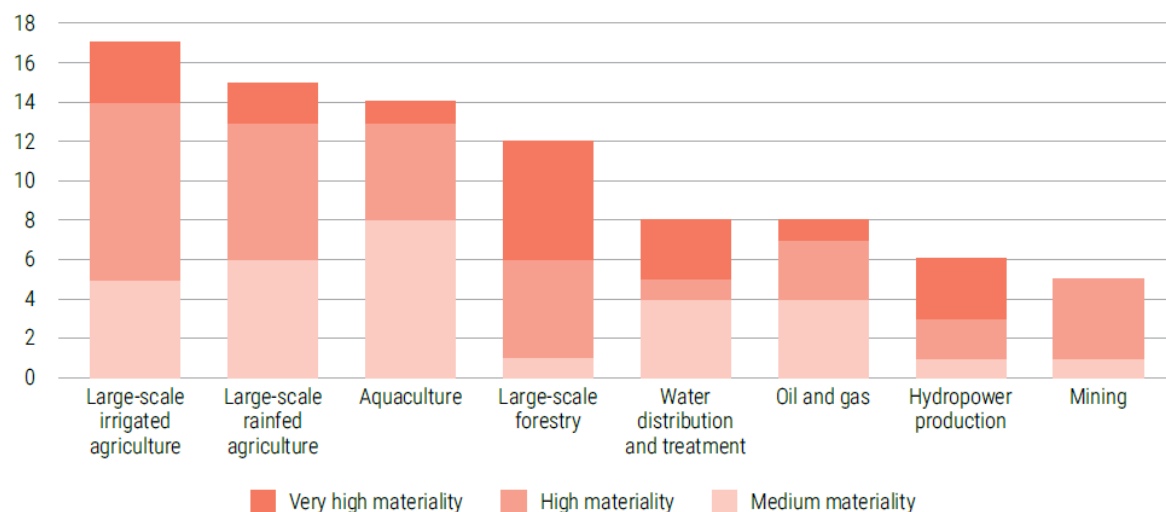


Figure 5: Production processes with the highest number of material dependencies on nature

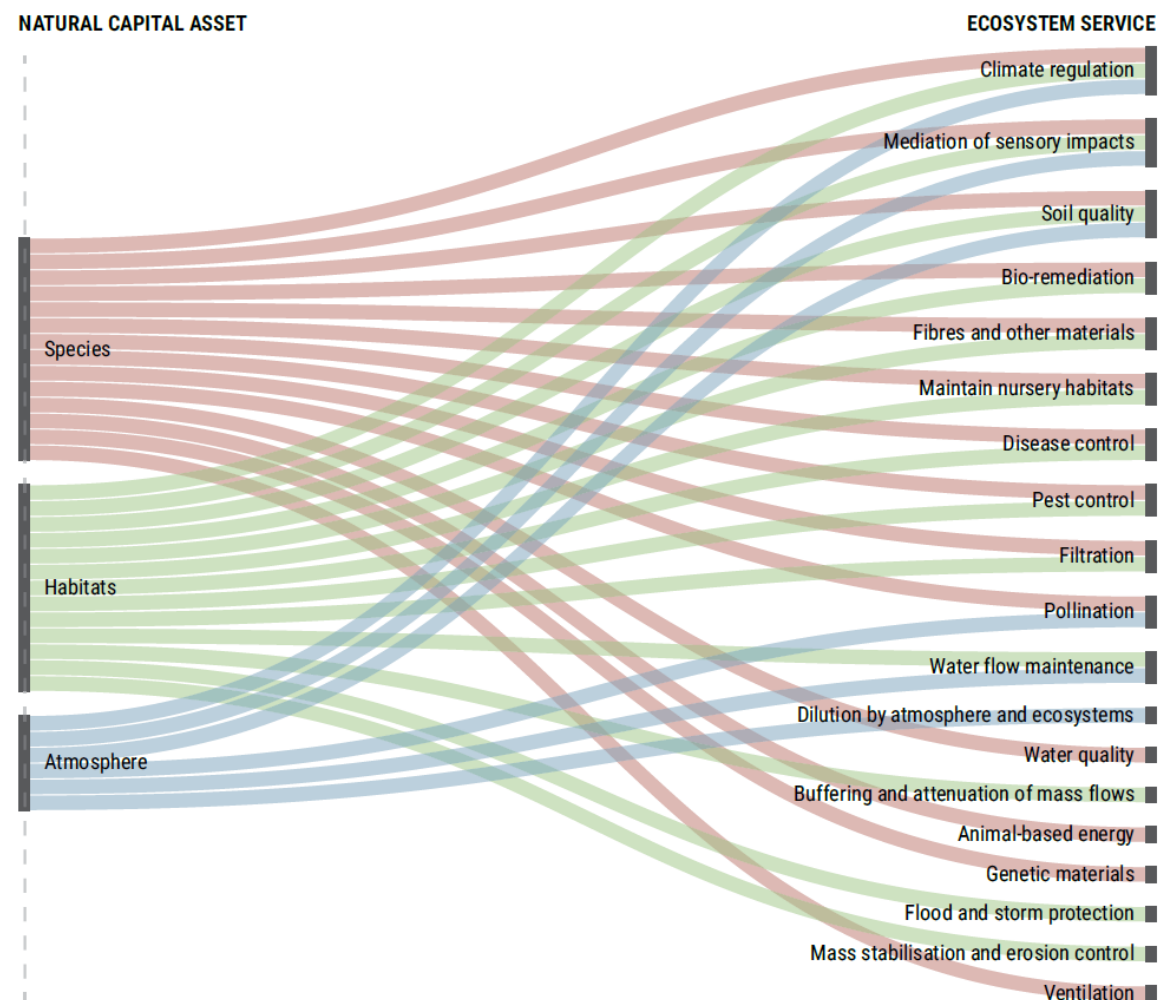


Figure 8: Ecosystem services provided, at least in part, by species, habitats and/or atmosphere

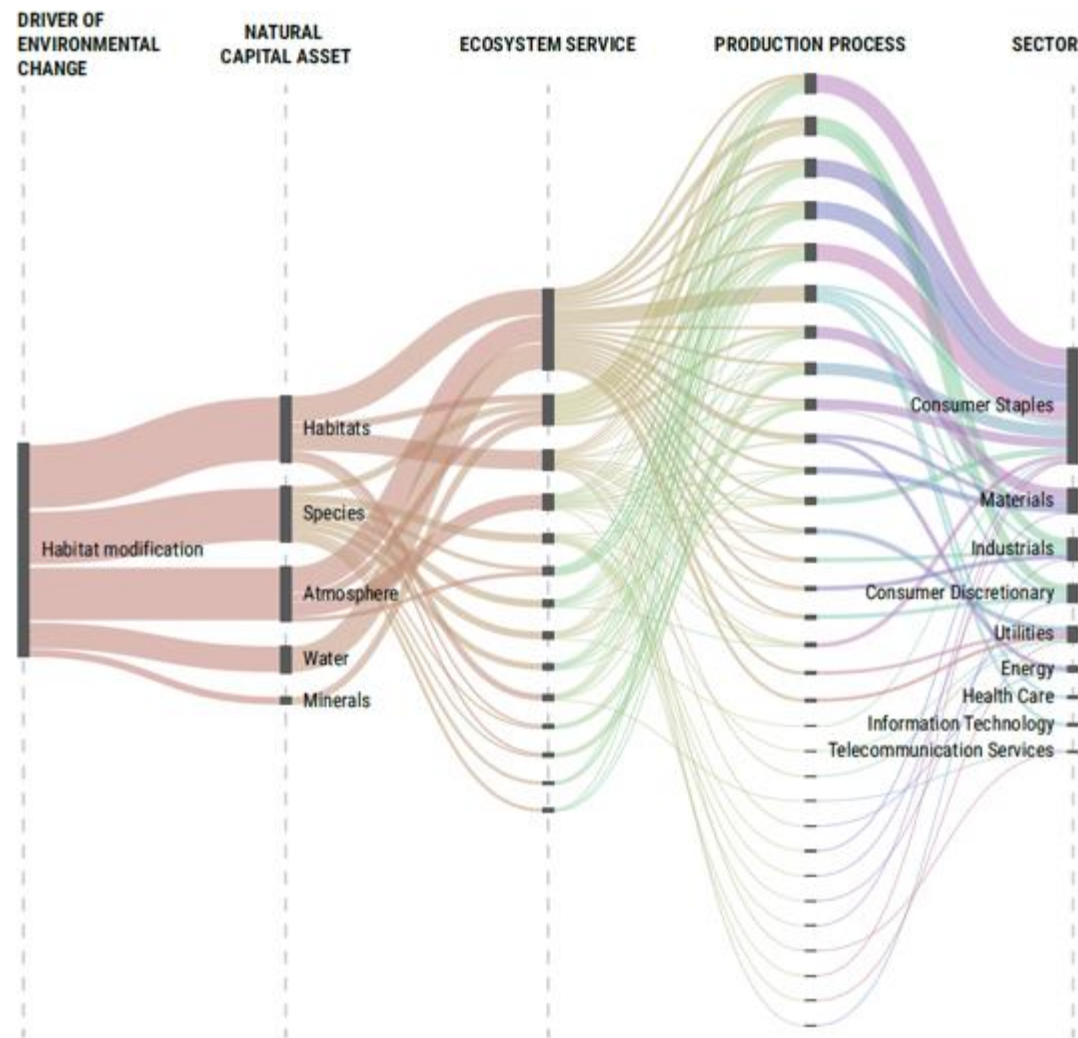


Figure 9: A single driver of environmental change can have material impacts on a number of different industries through many combinations of asset, service and production process

Note: Line thickness indicates the number of links from one level to the levels above and below (e.g. from ecosystem service to natural capital asset and production process). Colours are added for clarity only.

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ENCORE

ENCORE (Exploring Natural Capital Opportunities, Risks and Exposure) enables users to visualise how the economy depends on nature and how environmental change creates risks for businesses. Starting from a business sector, ecosystem service, or natural capital asset, ENCORE can be used to start exploring natural capital risks. These risks can be explored further to understand location-specific risks with maps of natural capital assets and drivers of environmental change.

[Read more >](#)

Explore Natural Capital Risks

Explore Natural Capital Risks - Select from a Sector, Sub-Industry or Production Process below (based on the Global Industry Classification Standard) to explore natural capital risks.

1. Sector



2. Sub Industry



3. Production Processes

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economic sector or production process below to explore natural capital risks.

1. Sector ?
Materials

2. Sub Industry ?
Forest Products

3. Production Processes ?
Large-scale forestry

Ecosystem Services ?

Natural Capital Assets ?

Showing - 14

Direct Physical Input ? (4)

+ Show all

Enables Production Process ? (3)

+ Show all


Mitigates Direct Impacts ? (2)

+ Show all

Protection from Disruption ? (5)

+ Show all

Ground water

Provided by: 



Surface water

Provided by: 



Surface water is provided through freshwater resources from collected precipitation and water flow from natural sources.

 Water

Factsheet >


Explore map >

Production processes


Large-scale forestry



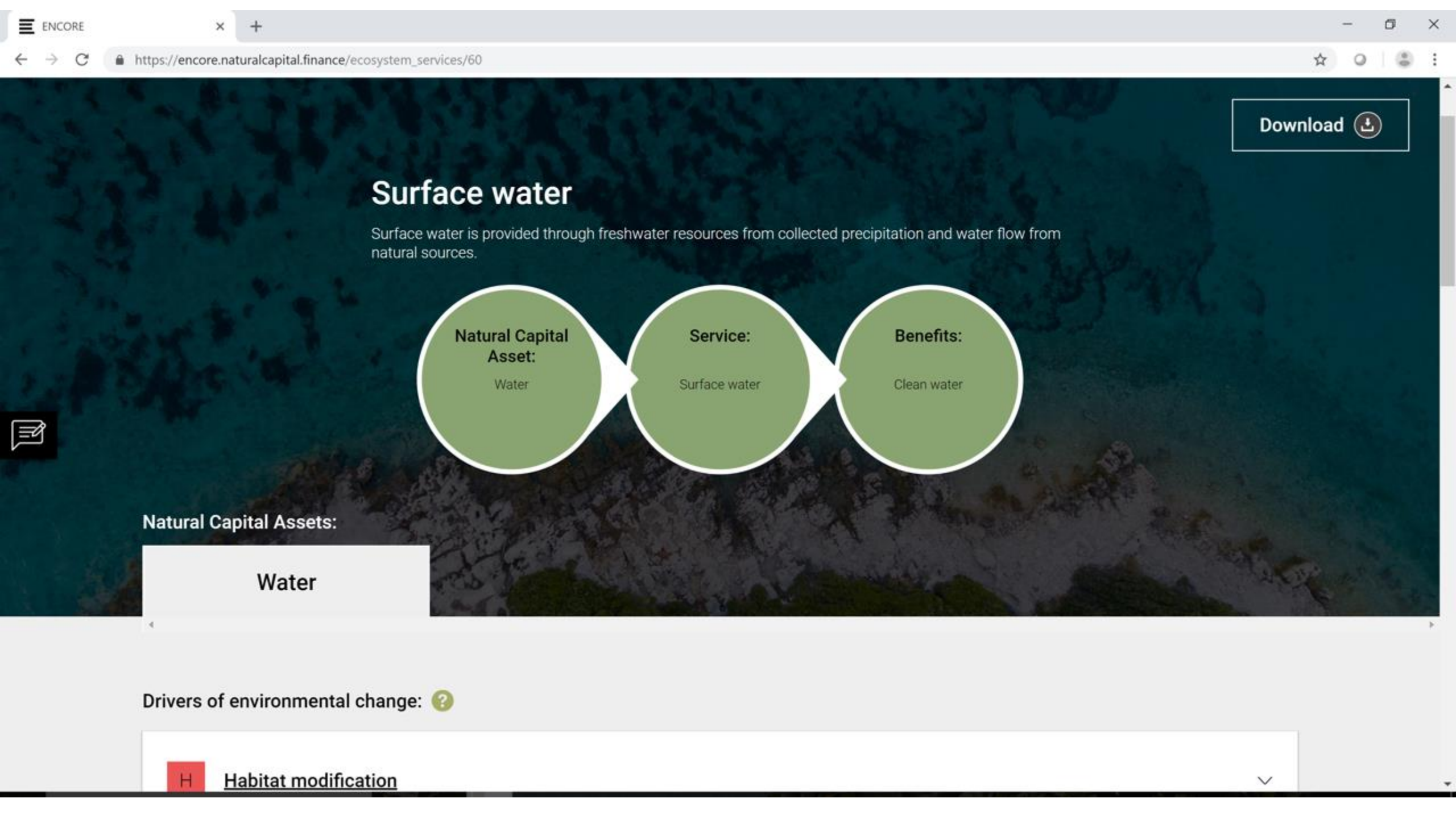
Very high materiality rating The production process is extremely vulnerable to disruption. The degree of protection offered by the ecosystem service is critical and irreplaceable for the production process

Enables Production Process  (3)

+ Show all

Mitigates Direct Impacts  (2)

+ Show all





Water

Water includes surface water, ground water, ocean water, fossil water and soil water. Water is essential for a wide range of ecosystem services.



Important for the following ecosystem services:

Climate regulation



Global climate regulation is provided by nature through the long-term storage of carbon dioxide in soils, vegetable biomass, and the oceans. At a regional level, the climate is regulated by ocean currents and winds while, at local and micro-levels, vegetation can modify temperatures, humidity, and wind speeds.



Dilution by atmosphere and ecosystems



Water, both fresh and saline, and the atmosphere can dilute the gases, fluids and solid waste produced by human activity.



Industrial or domestic activities

Non-agricultural human activities including non-consumptive use of resources.

Influences the following natural capital assets:



Habitats

Habitats refer to the conditions of the environment necessary for life to prosper. These conditions vary

[View >](#)



Land geomorphology

Land geomorphology describes the structure of the land, such as mountains and valleys. Land

[View >](#)



Soils and sediments

Soils and sediments are the layers of the earth's surface that support life. They comprise top-soil, sub-

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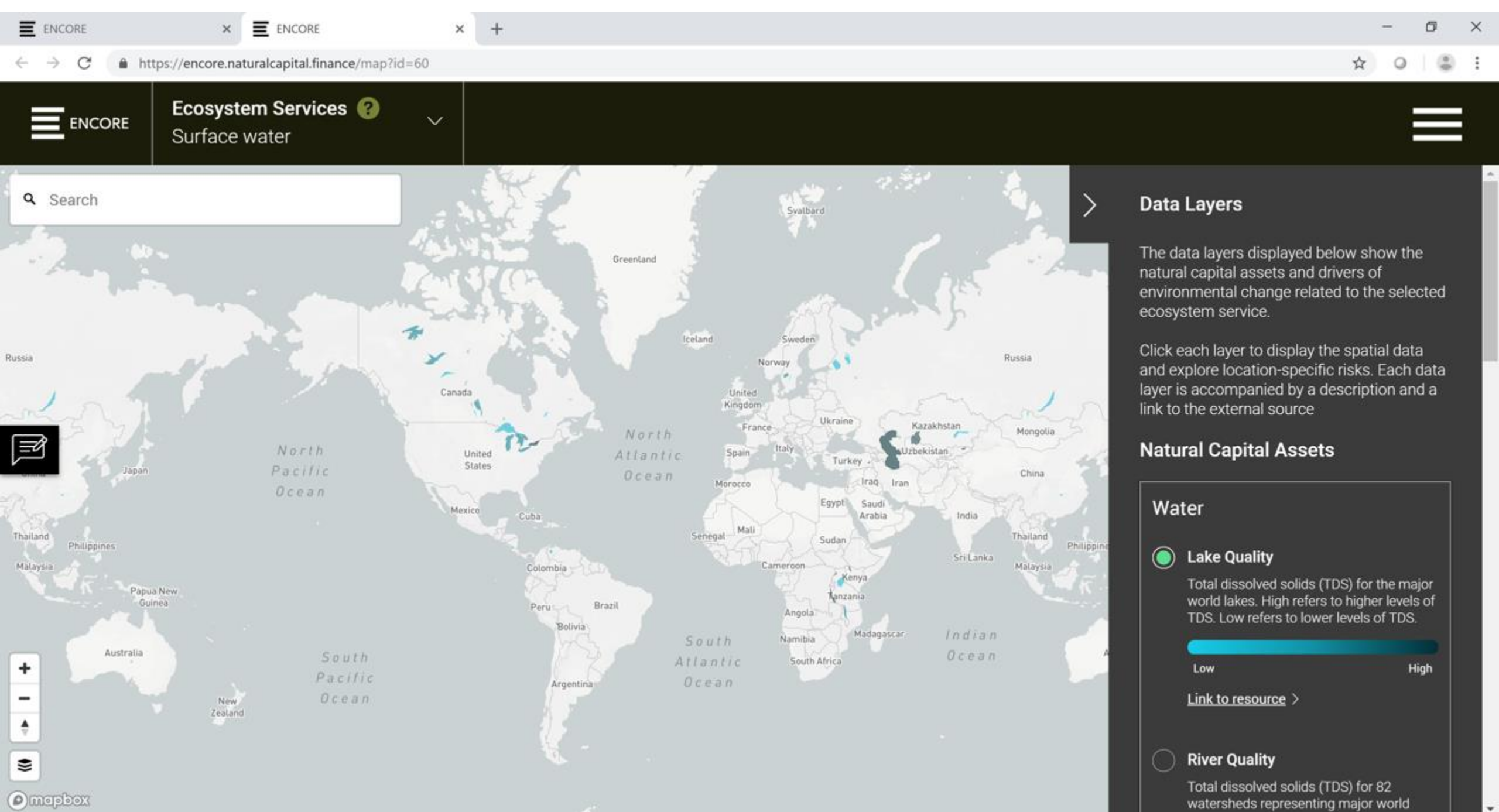


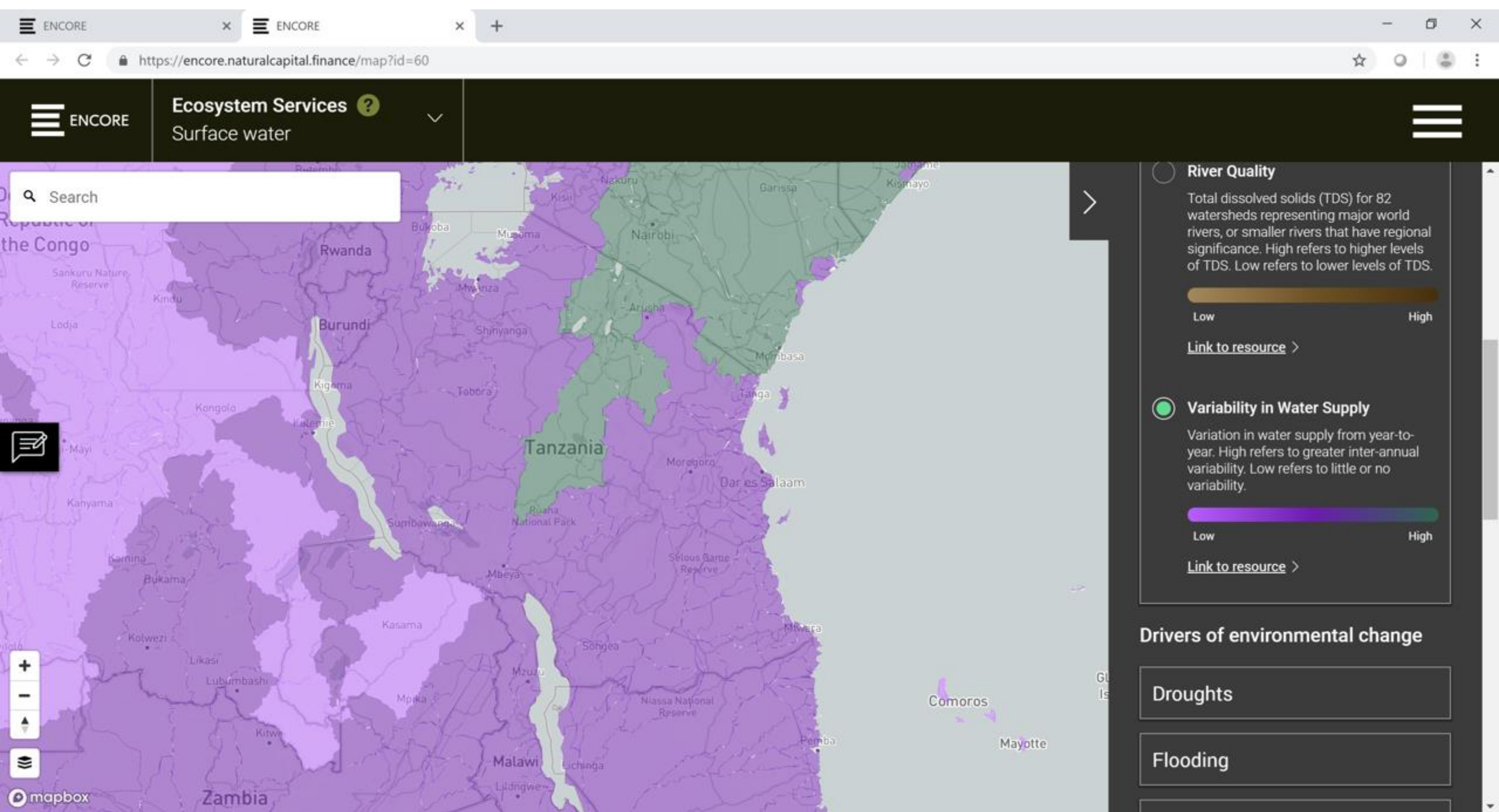
Water

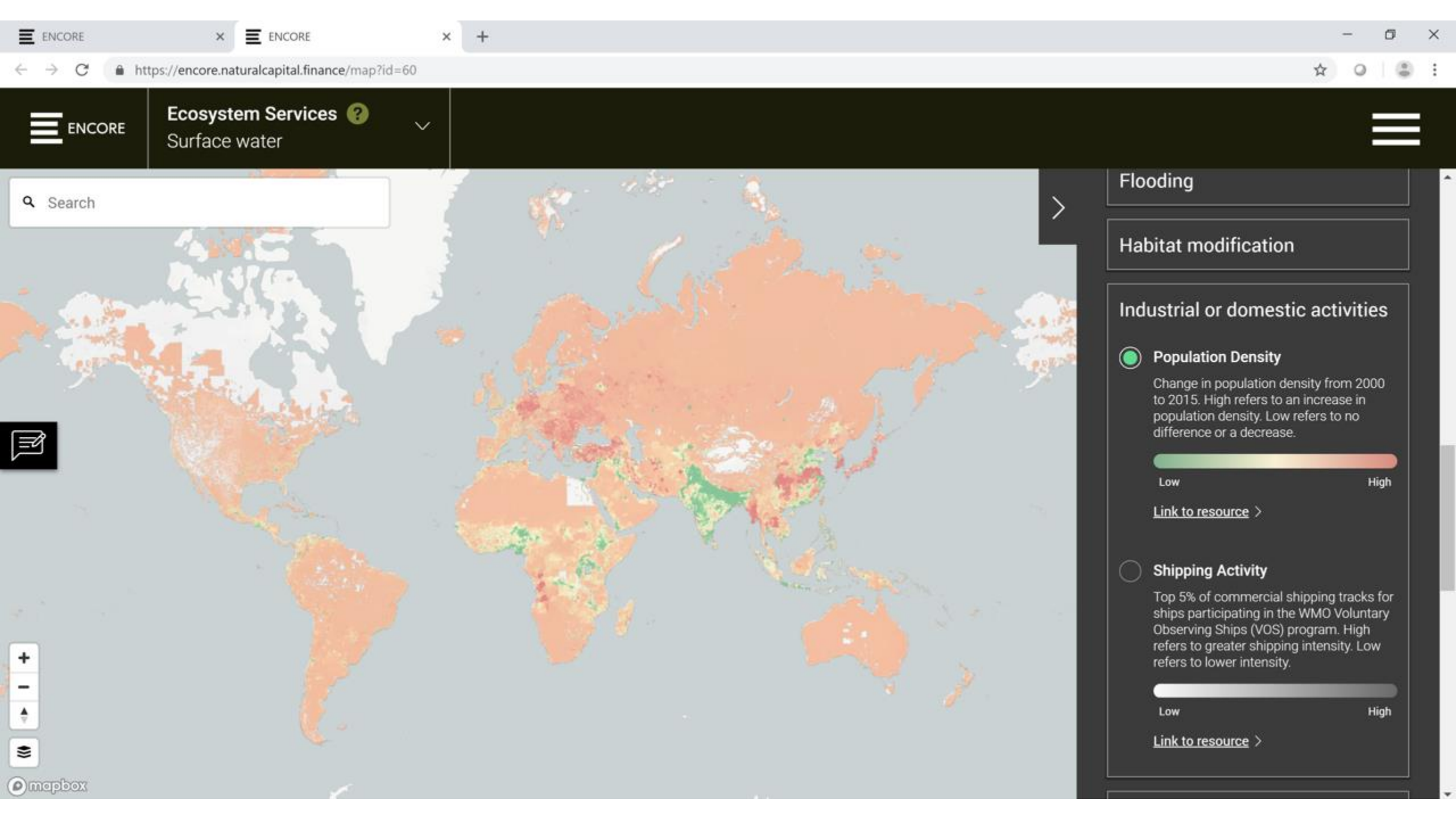
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