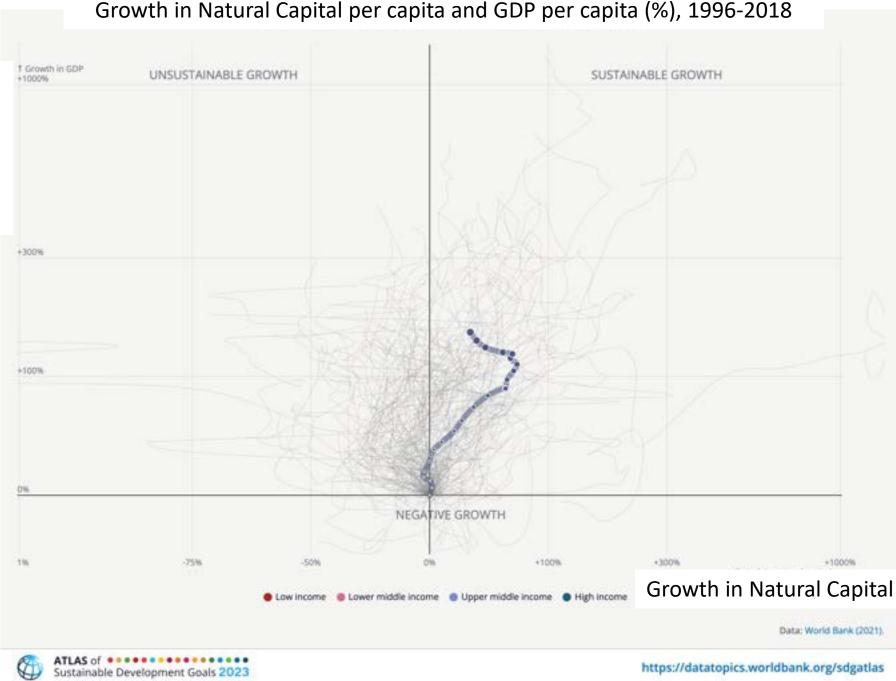
Social and Environmental Considerations, Resource Management, and the Sustainable Development Goals

Considering Connections



RESOURCE MANAGEMENT WEEK 2024



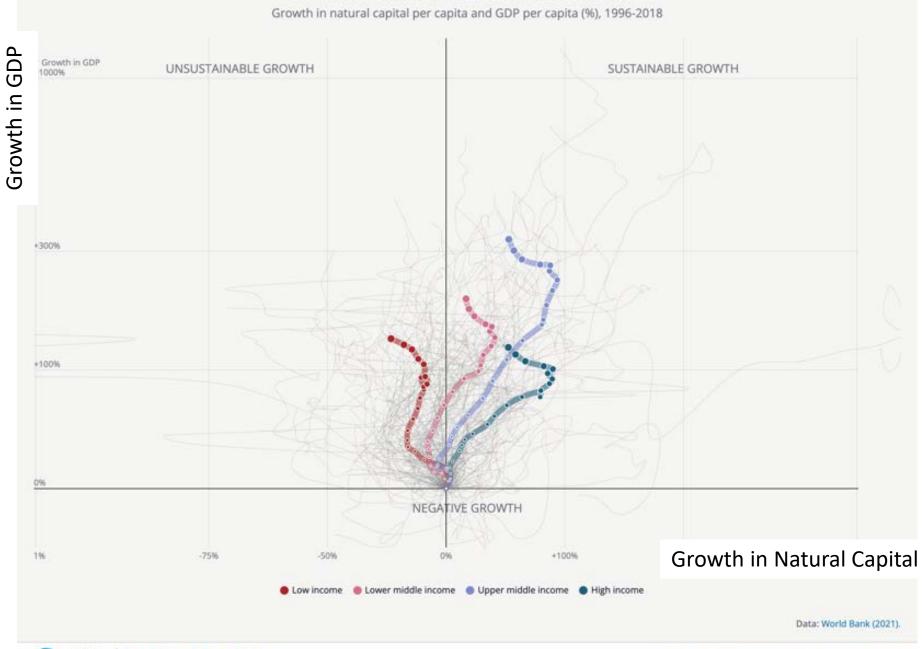


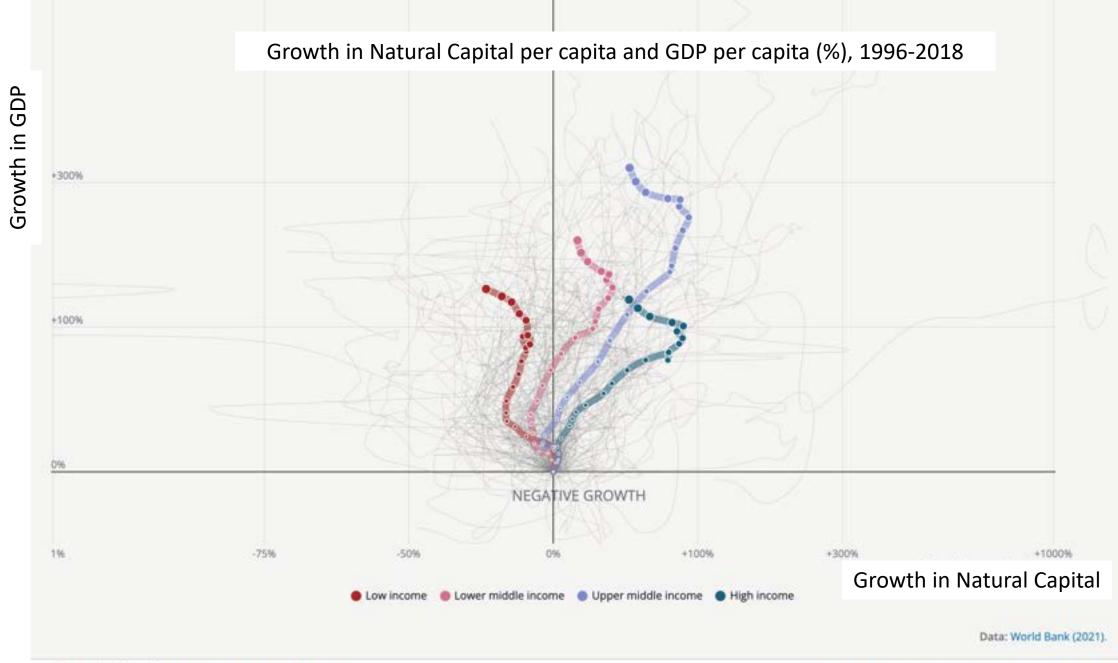
A country is making progress toward SDG 12 if it is growing as it aspires to without degrading the environment.

Natural Capital is defined as stocks of natural assets such as geology, soil, air, water, ecosystems, and all living things.

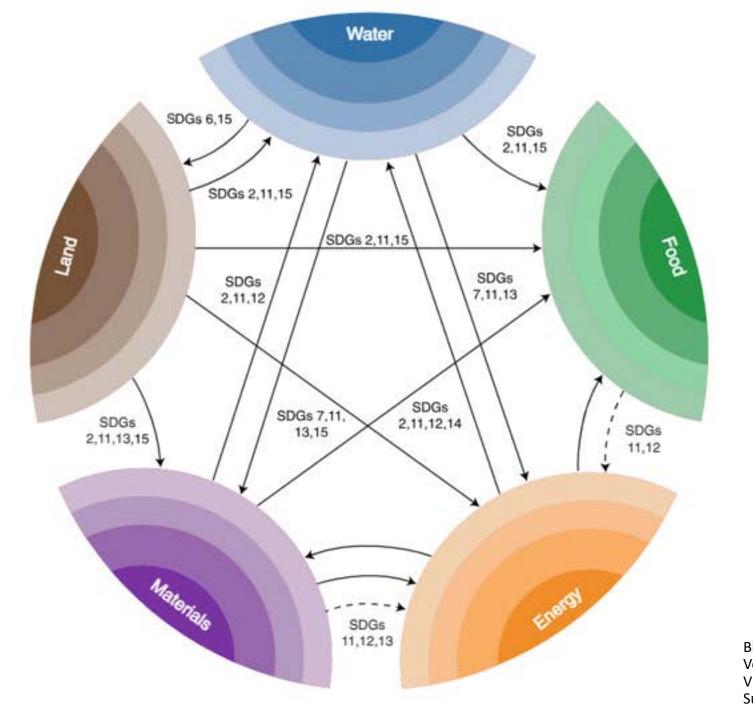
Natural capital provides ecosystem services to us, such as food, water, fuel, medicine, climate regulation, flood and fire defense, carbon storage, and cultural inspiration that we receive.

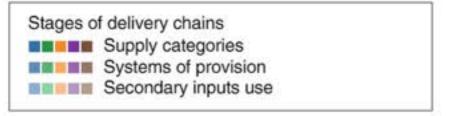
Growth in Natural Capital per capita and GDP per capita (%), 1996-2018











Arrows

- Input (major or minor provision of A needed to produce a service from B)
- ---➤ Substitution (A may substitute B for a certain service)

Sustainable development goals:

- SDG 2 Zero hunger
- SDG 6 Clean water and sanitation
- SDG 7 Affordable and clean energy
- SDG 11 Sustainable cities and communities
- SDG 12 Responsible consumption and production
- SDG 13 Climate action
- SDG 14 Life below water
- SDG 15 Life on land

Both of these Examples Illustrate the Importance of:

- Considering the social and environmental aspects of projects and policies involving natural resources – our natural capital
- Incorporating how people and natural landscapes interact with resources as we consider how to best utilize them
- Managing our natural resources to deliver economic and social wellbeing for people and industry for the long term, while also
- Ensuring that we maintain the health of our ecosystems

ECONOMY SOCIETY BIOSPHERE

There's more to it...

"...while the "nexus" [concept] has various key strengths, it fails to adequately acknowledge the environment as its irreplaceable foundation."

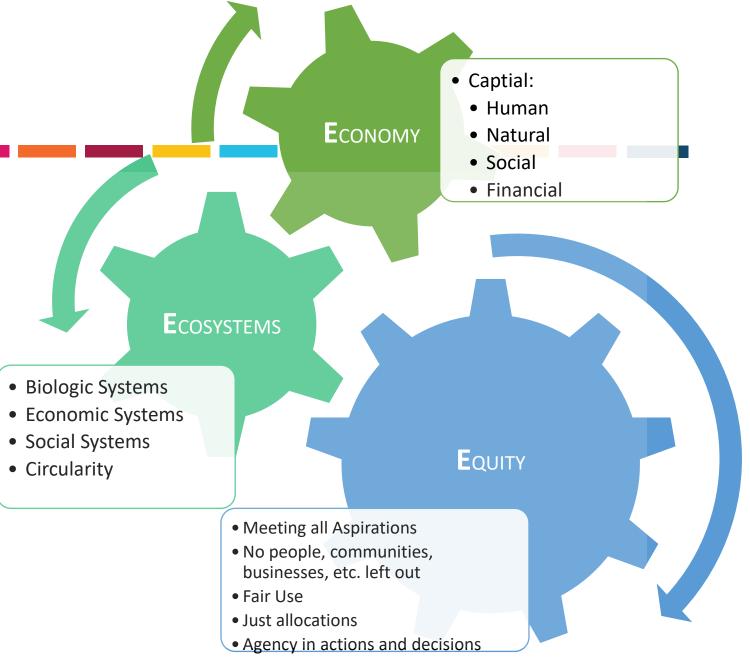
Simpson, G.B., Jewitt, G.P.W., *The Development of the Water-Energy-Food Nexus as a Framework for Achieving Resource Security: A Review,* Front. Environ. Sci., 08 February 2019 Sec. Freshwater Science Volume 7 - 2019 | https://doi.org/10.3389/fenvs.2019.00008



The E-axis

And Other Ideas

- An E-Axis "Menu" focusing on 3 "E's – equity, econsystems, and economies
- Connect to other tools and frameworks
 - InVEST (Integrated Valuation of Ecosystem Services & Tradeoffs)
 - The UN System of Environmental-Economic Accounting – Ecosystem Accounting (SEEA EA)
- Use methods and consultants from the social sciences
- What are your ideas?



THE VIEWS EXPRESSED ARE THOSE OF PROF. DR. CARRIE MCCLELLAND AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE UNITED NATIONS.

Thank you!

Carrie McClelland

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UNECE

Date 24 March 2024, Geneva



RESOURCE MANAGEMENT WEEK

2024

