


Tyler Prize 2024 - AMIGOS IAS

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Why is it in the news?

Johan Rockstrom is awarded the **2024 Tyler Prize for Environmental Achievement** for his groundbreaking contributions to the **Planetary Boundaries framework**.

More about the news

- The Planetary Boundaries framework was first published in 2009 and has been instrumental in understanding and addressing global environmental challenges.
- It integrates nine critical Earth systems that collectively determine the state and functioning of the planet.
- These nine planetary boundaries are Climate Change, Biosphere Integrity, Land-System Change, Freshwater Change, Biogeochemical Flows, Novel Entities, Stratospheric Ozone Depletion, Atmospheric Aerosol Loading, and Ocean Acidification.
- These boundaries represent the safe operating space for humanity, ensuring the provision of life-supporting conditions for humans and the biosphere.
- Unfortunately, humanity is currently exceeding safe levels in the first six planetary boundaries, indicating significant ecological stress and potential risks to human well-being.

- Johan Rockstrom's work on the Planetary Boundaries framework has been pivotal in raising awareness about these critical thresholds and advocating for policies and actions to stay within safe limits.
- Efforts to address these planetary boundaries require global cooperation, sustainable practices, and innovative solutions to mitigate environmental degradation and secure a resilient future for both humanity and the planet.