

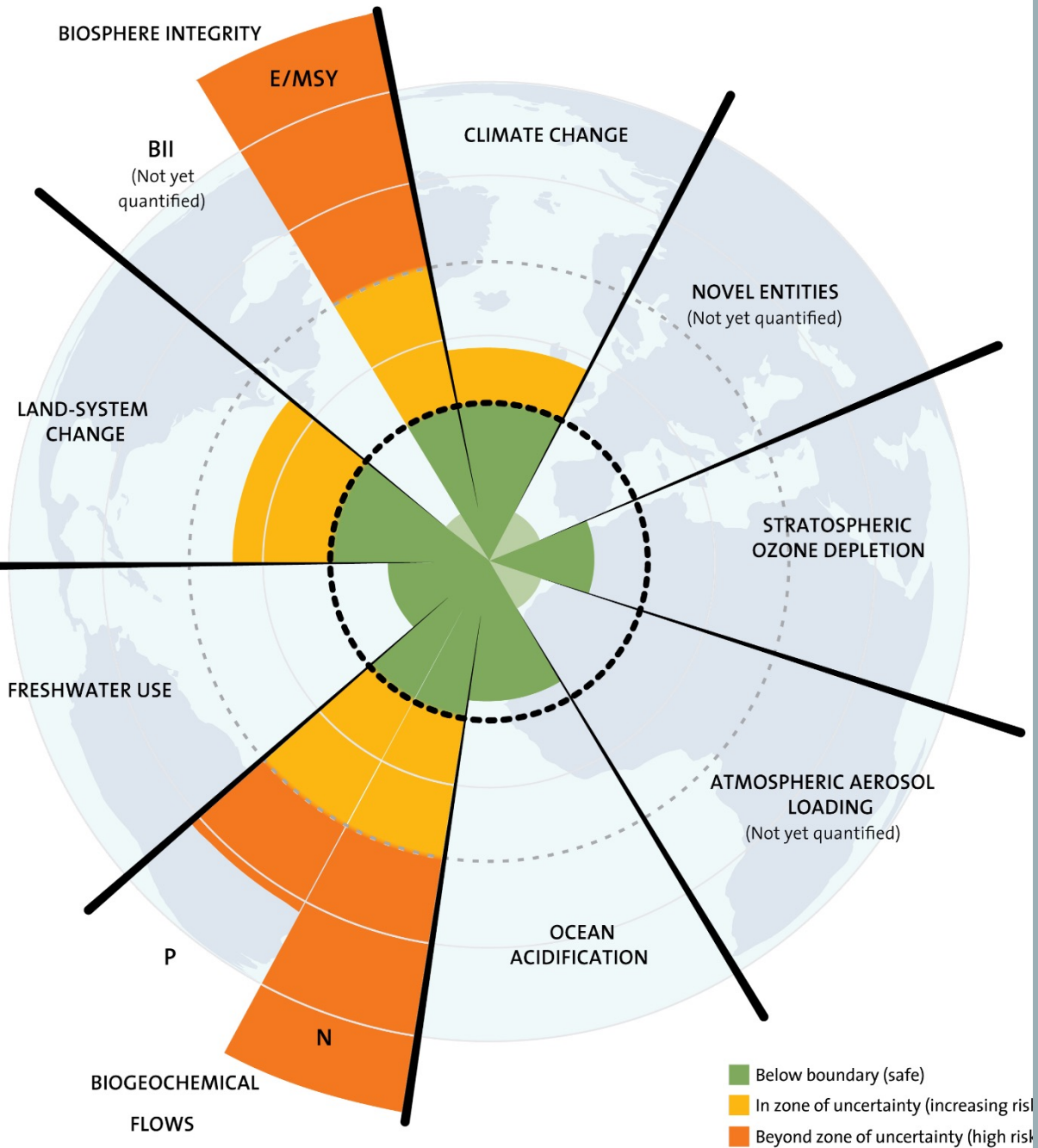
GENDER, CLIMATE CHANGE AND ENVIRONMENTAL CRIME

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THE NINE PLANETARY BOUNDARIES

The Stockholm Resilience Centre; Rockstrom et al 2009; Steffen et al 2015

- POLLUTION (air, water, soil)
 - Waste - improper collection, transport, recovery or disposal
 - Hazardous
 - Electronic
 - Ship
 - Plastic (may be criminal in the near future)
 - Chemicals - illegal operation of a plant in which a dangerous activity is carried out or in which dangerous substances or preparations are stored (EUROPOL 2019)
 - Medicines

THE NINE PLANETARY BOUNDARIES

NOVEL ENTITIES



THE NINE PLANETARY BOUNDARIES

STRATOSPHERIC OZONE DEPLETION & ATMOSPHERIC AEROSOL LOADING



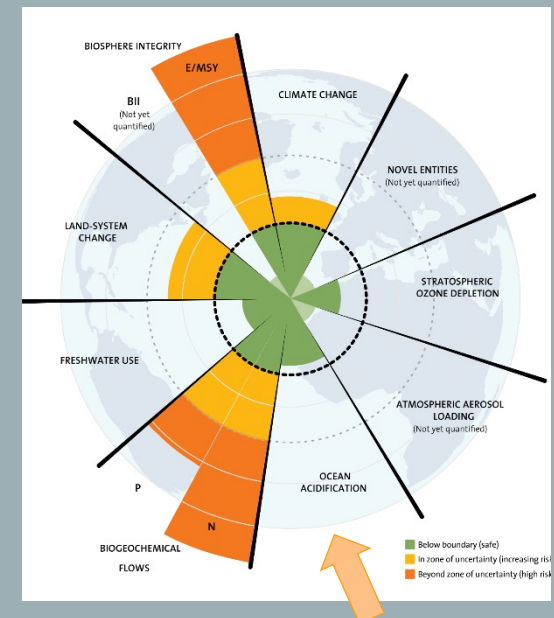
- Ozone depleting substances
 - China (EIA 2018)
 - Paraguay, Ghana, Pakistan (Nelleman et al 2016)
- Prohibited aerosols

- Linked to pollution and climate change
- But mostly tied to *legal* practices



THE NINE PLANETARY BOUNDARIES

OCEAN ACIDIFICATION



THE NINE PLANETARY BOUNDARIES

BIOGEOCHEMICAL FLOWS



- NITROGEN AND PHOSPHOROUS
 - Pollution from factories and industrialised farming
 - Overuse of fertiliser, pesticides, insecticides, fungicides, rodenticides and so forth
 - Diesel

THE NINE PLANETARY BOUNDARIES

FRESH WATER USE

- Violating quotas/limitations
- Excess use in mining, agriculture, fracking
- Polluting of fresh water during industrial processes
- Issues of privatisation, equal access



THE NINE PLANETARY BOUNDARIES

LAND-SYSTEM CHANGE



- Illegal mining
 - Gold
 - Minerals
 - Rare earth minerals (coltan)
 - Sand
- Illegal logging
 - Charcoal
 - Timber
 - Paper and pulp
 - Trafficking
- Land grabs
 - Palm oil
 - Rubber
 - Cattle
 - Soy
- Arson/Fires

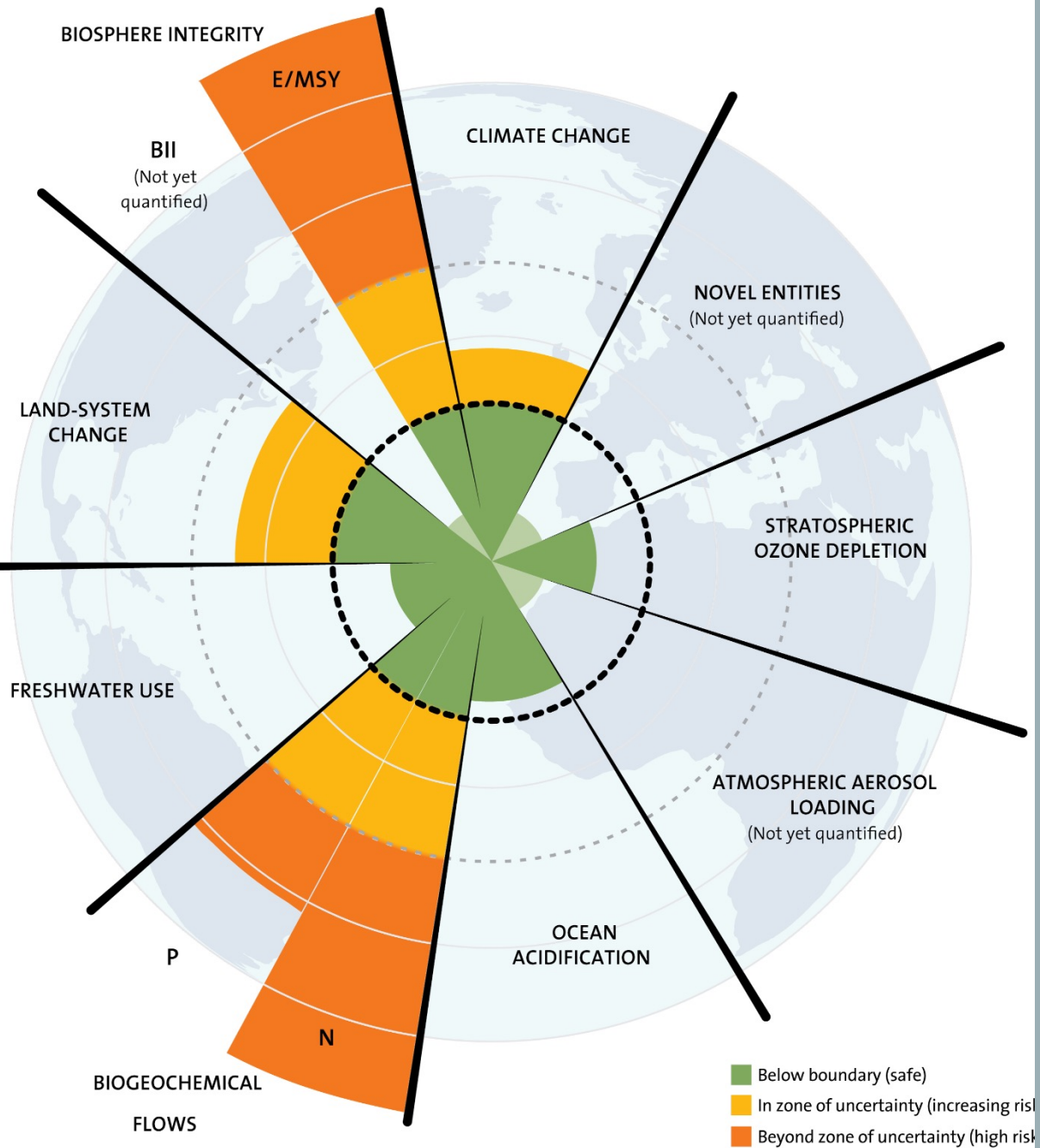
THE NINE PLANETARY BOUNDARIES **BIOSPHERE INTEGRITY**

E/MSY – EXTINCTIONS PER
MILLION SPECIES-YEAR

- 1 million species at risk
 - Habitat loss
 - Consumption

BII – BIODIVERSITY INTACTNESS
INDEX

- Illegal logging
- Illegal wildlife trade
 - Domestic and International
- Killing, destruction, possession of protected fauna and flora
- Illegal, unregulated and unreported fishing and Fisheries Crime



THE ACTORS

- ❖ Individuals
 - ❖ Poverty
 - ❖ Wealth
- ❖ Corporations
- ❖ (Transnational) Organised Crime
- ❖ Non-state armed groups/insurgents/terrorists
- ❖ Corruption

THE NINE PLANETARY BOUNDARIES

CLIMATE CHANGE



- Carbon credit fraud
- CO2 emissions
 - Factories
 - Cars
 - Transport
- Illegal logging

CONSEQUENCES

- Species Justice
- Ecological Justice
- Environmental Justice
- “Environmental crime has impacts beyond those posed by regular criminality. It increases the fragility of an already brittle planet” (Steiner - UN Under-Secretary General and UNEP Executive Director & Stock - INTERPOL Secretary General).

FEMINIST APPROACHES

The dominant values of society are those of powerful groups – how can researchers help to change this?

- Challenge power structures by empowering participants and analysing the discourses underpinning the area of research.
- Giving voice to the voiceless or those not being listened to.

GENDER, CLIMATE CHANGE, AND ENVIRONMENTAL CRIME?

Thank you!