



The precautionary principle as safeguard and compass

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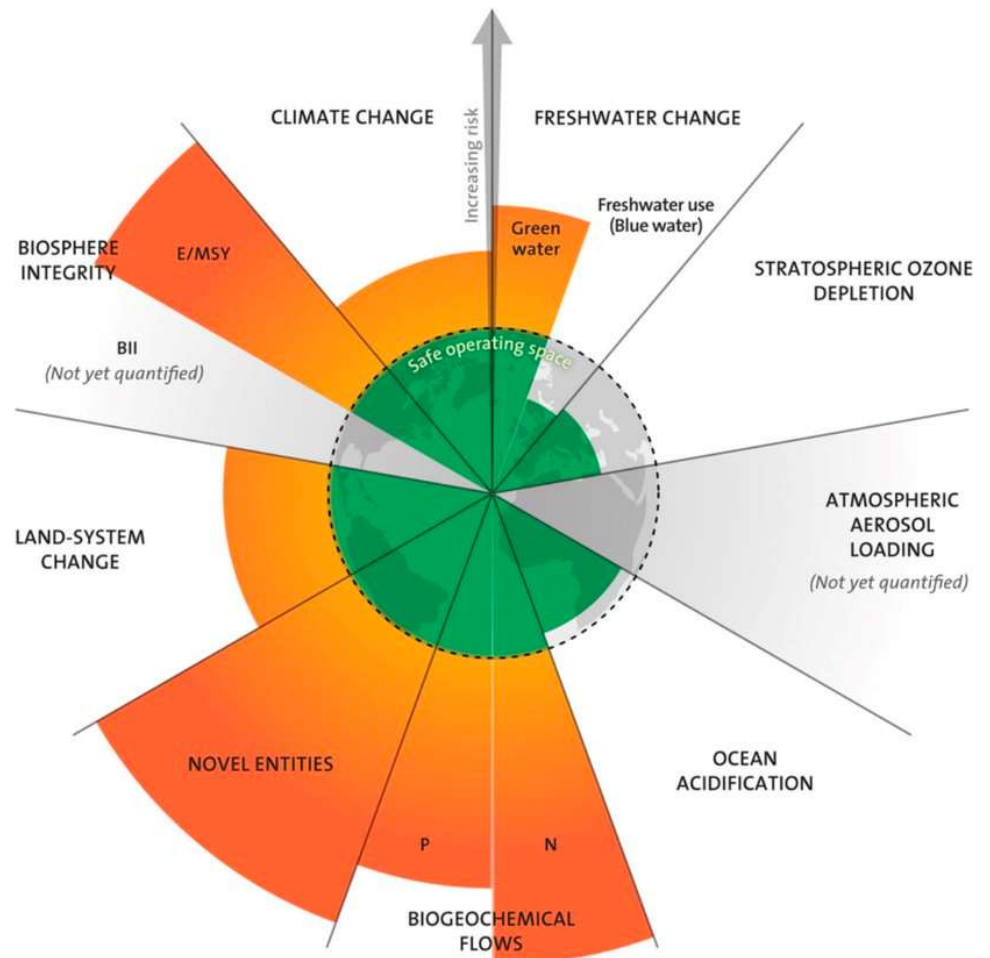




Why this distinction?

- The problem of control
- The problem of path dependencies
- The problem of growing technological power without responsibility

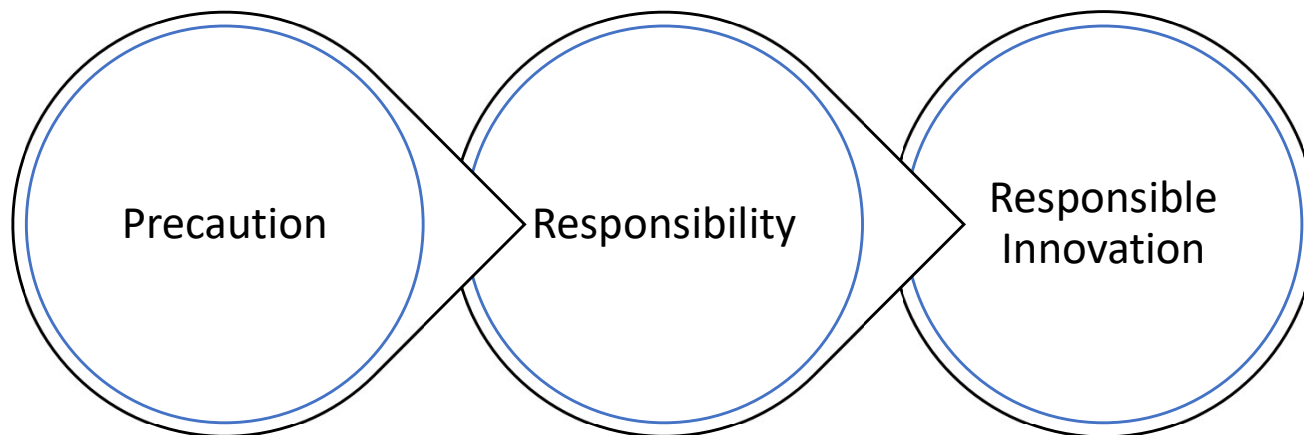
PP as a safeguard alone is probably 'not enough' to reach strategic aims EU





Core idea

- Precaution should be an intrinsic part of the innovation process and not something external to it!





PP as safeguard and compass

- Safeguard:



- Permits policy-makers and legislators to intervene
- Reactive
- PP as legal principle
- Established use

- Compass:

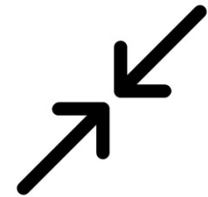
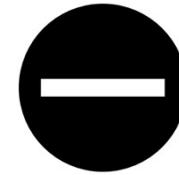


- Steering
- Proactive
- PP as a policy principle
- Not formally established yet



PP as a safeguard

- Prohibit the technology
- Limited admission
- Adjustment of the technology
- Extra safety measures
- Scientific Development
- Reversal of the burden of proof





PP as a compass



Looking around

- RRI
- Mission oriented innovation
- Upstream involvement
- Technology Assessment
- By-design approaches
- Foresight



Looking ahead