

Transformation to Bioeconomy – a work in Progress?

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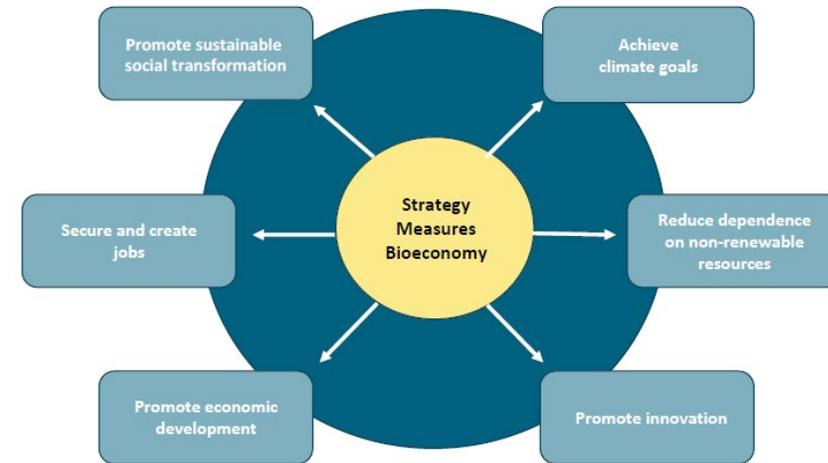
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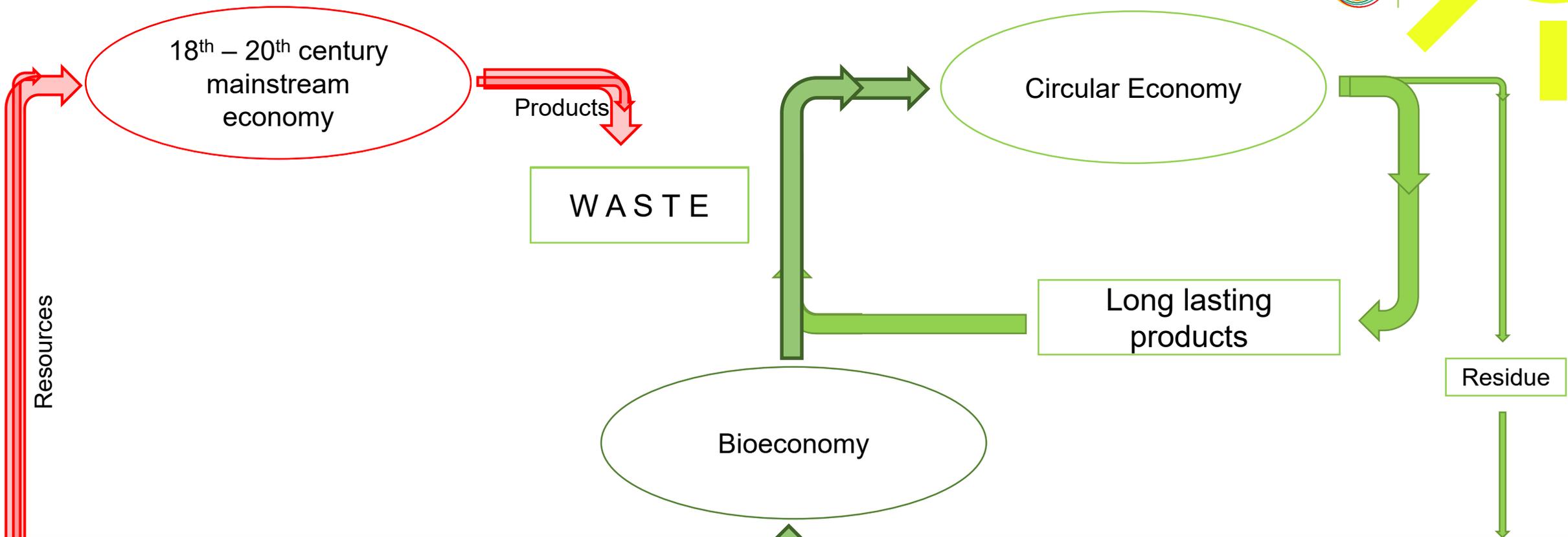
Definition „Bioeconomy“

- **Many different definitions can be found, e.g.:**
 - Google: 204.000 Hits
 - EC, FAO, Wikipedia, German bioeconomy council, OECD, BBI, ...
 - Policy Strategy Papers: AT, DE, EC 2012, EC 2018, FI 2014, FI 2022, USA ...

- **Conclusion:** Bioeconomy concept is still under development, shaping the profile



Source: Austrian Bioeconomy Strategy 2019 – Target areas



N A T U R

HUMAN

BE as a socio-cultural system

- Post-consumism “Sufficiency concept”
- Fostering a healthy human-nature-relationship
- A mixed-source ongoing (meta-discourse)

BE as an interface

- To provide information on the environmental status
- To regulate the resource-flow between human and nature (output and input)
- Book keeper of natural resources

BE as a technical economical solution

- For production (Agriculture, forestry, fishery, technological intensification)
- For processing (logistics, biorefineries and chemical, mechanical, biological processing)

Bioeconomy

NATURE

Conclusion

Is the transformation towards Bioeconomy progressing?

Yes

BUT

To slowly to help solving societal challenges e.g. Biodiversity losses, Raw material shortage, Climate Change, ...?

Yes

How to accelerate?

Pulling in one direction!!

- Therefore the need for a well accepted common concept
- Science, Industry, Policy and Society

Thank you for your attention

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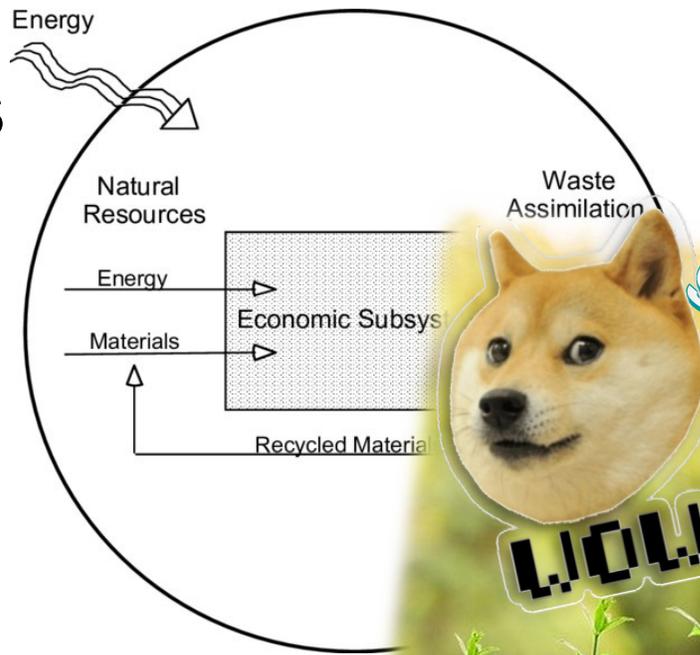
<https://boku.ac.at/en/zentrum-fuer-biooekonomie>

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Bioeconomy is



src: doi 10.1017/CBO978051197604

- A new concept (1970s)
- A catchy slogan (2000s)
- A sectoral program (2010s)
- A mixed-source (meta-)discourse (ongoing)

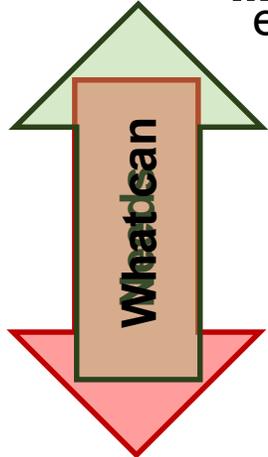
green growth
sustainable ec



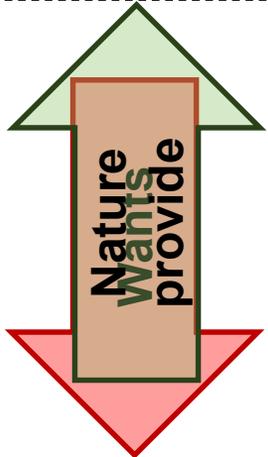


HUMAN

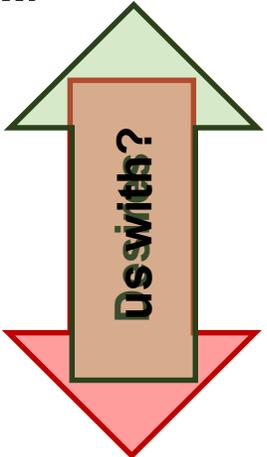
Putting pressure beyond global tipping points on the environment



What can

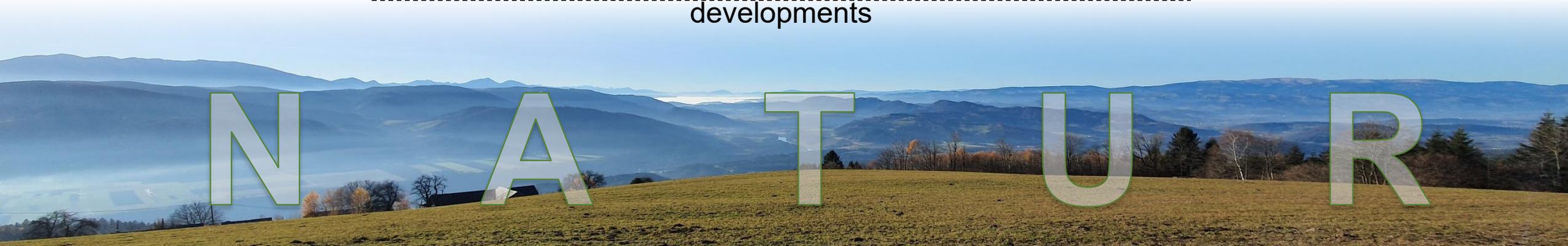


Nature
Wants
provide



Disswits?

Natural resource availability determines feasible developments



NATURAL