

NGOs raise concerns: Bioeconomy leads to further ecosystem exploitation

The term "bioeconomy" is intended to sound green and natural, a refreshing alternative to the fossil economy. But a closer look at current discussions around this political term reveals that the bioeconomy has the potential to further erode human and social rights and aggravate environmental destruction. Forests and other ecosystems are already being overexploited for paper and packaging, bioenergy and more.

We have surpassed what can be sustainably supplied and so moving from fossil to bio sources without embedding it in a wider socio-ecological transformation and drastically reducing consumption would be a disaster. We, the undersigned associations and organisations, have therefore come together to call on the European Union (EU) and the national governments of its members to end the waste economy and to design European land use policies that protect people, nature and our climate.

Europe is banking on the promises of the bioeconomy. In recent years, several European countries have adopted their own bioeconomy strategies, and the EU released its updated strategy in 2018 with the title "A Sustainable and Circular Bioeconomy". The bioeconomy is also explicitly referenced in the European Green Deal. In all of these strategies, the idea is to develop an economy based on biological resources. The focus is on replacing fossil fuels with biomass rather than on changing the prevailing wasteful energy- and resource intensive economic model. The strategies ignore the fact that increasing demand for biomass would pose an additional threat to global ecosystems and the people who depend on them. Even today, the ecosystems from which these resources would come are dramatically overused, as planetary boundaries are being exceeded.

The economy of the future must be environmentally responsible and socially just

For the bioeconomy not to be a destructive force, the focus on such strategies needs to be fundamentally changed – it must break free from the compulsion of growth, accept ecological and planetary boundaries, promote sufficiency, and aim to build a fair society. Only by significantly reducing extraction and resource consumption, in all sectors of the economy, can we meet the demand for biological resources without further harming biodiversity and the climate.

Land is limited

Intact natural ecosystems such as forests and wetlands are essential carbon stores for climate protection as well as

habitats for the preservation of biodiversity. Meeting climate and biodiversity goals will therefore require conserving and sustainably managing a much larger portion of land. With the European Green Deal and the European Biodiversity Strategy, the EU has set a goal of protecting 30 percent of its land and marine areas and promoting ecosystem restoration.¹

This reduces the already limited land for biomass production and increases competition for land from food and feed production, recreation, infrastructure, and urban development. Limited land cannot be allocated multiple times, so it must be used in the most socially just way. Any bioeconomy strategy would need to include aims to alleviate the pressure on land use, such as by significantly reducing consumption of animal products and, thereby, the cultivation of animal feed.

Biomass imports from the Global South are not a solution

Imports of biomass from the Global South are a cornerstone of raw material supply in many bioeconomy scenarios, but this is highly problematic and unfair. Industrial agriculture and forestry are already displacing and exploiting people in the affected countries, as well as destroying natural habitats. A dramatic increase in biomass demand would exacerbate these problems. We therefore need effective measures to reduce resource consumption as well as mandatory ecological and social standards.

Long-term material over energy use: Stop the waste!

Because biomass is a limited resource, and intensive land use has harmful consequences for both humans and nature, it is essential to follow the cascading use principle: Prioritise long-term material uses over short lived disposable products, and

¹ Although this was the initial goal of the European Green Deal, the final Nature Restoration Law (part of the package to implement the Deal) actually called for 20 percent of land and marine areas to be restored and land for biomass production to integrate nature restoration objectives. Competition for land will still be fierce and so our recommendations remain the same.

only use biogenic resources for energy at the end of its life cycle. Creating energy from biomass, such as in biogas plants, for biofuels or wood burning, is an environmentally damaging waste of valuable resources. Countries and the EU need to remove incentives for wood burning and to introduce policies to reduce single-use packaging and implement reusable systems.

Waste and residual resources are already being used

It is clear that fields, forests, and seas cannot supply enough resources for a bioeconomy at today's consumption levels, so some strategies consider also using waste and residual materials – but these are already a scarce commodity subject to vigorous competition. In agriculture, "residual materials" like straw are widely used. In fact, they are considered a useful resource.

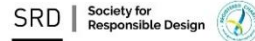
In truly sustainable forestry, "forest residues" would be left in the forest as they are a key part of the ecological cycle. As such, material defined as waste or residual can provide only limited amounts of raw material for the bioeconomy.

Community participation is essential

To ensure broad societal participation in the implementation of the bioeconomy, engaging civil society and citizens on an equal footing is essential. They need to much more than before help identify conflicting goals, and to be asked to help design an economy built with the interests of future generations at its heart. European governments and EU institutions should establish suitable procedures and allocate adequate resources to ensure this happens.

This Joint NGO Statement was established by the [Bioeconomy Action Forum](#). Updated version as of 14th March 2024.





- AbibiNsroma Foundation - Ghana
- Amis de l'Afrique Francophone - Benin
- ARA - Germany
- Arnheims Peil - Netherlands
- Association Workshop for All Beings - Poland
- Aurora - Sweden
- Bergwaldprojekt - Germany
- Biodiversity Conservation Center - Russia
- BirdLife - Europe
- Blue Dalian - China
- Bulkley Valley Communities Coalition - Canada
- Bund für Umwelt und Naturschutz Deutschland - Germany
- CEDENMA - Equador
- Coastal Plain Conservation Group - United States
- Colectivo VientoSur - Chile
- Comité Schone Lucht - Netherlands
- De Bomenbond - Netherlands
- De Klimaatcoalitie - Netherlands
- Denkhausembrem - Germany
- Deutsche Umwelthilfe - Germany
- Earth Action - United States
- Earthbilt - United States
- Earth Thrive - UK/Serbia
- Ecodevelop - Germany
- EcoNexus - UK
- Ecoropa - Europe
- EDSP ECO - Netherlands
- Ekomaktab - Uzbekistan
- Estonian Fund for Nature - Estonia
- Environment East Gippsland - Australia
- European Environmental Bureau (EEB) - Europe
- FDCL - Germany
- Federatie tegen Biomassacentrales - Netherlands
- FERN - Europe
- FIAN Deutschland - Germany
- Forum Ökologie & Papier - Germany
- Forum Umwelt und Entwicklung - Germany
- Fridays for Future Sundsvall - Sweden
- Fridays for Future Sweden - Sweden
- Fridays for Future Uppsala - Sweden
- Friends of the Earth International
- FSCI, Dastgiri Center - Tajikistan
- Global Forest Coalition - International
- Green Longjiang - China
- Green Squad - Croatia
- Instituto para el Futuro Común Amerindio IFCA - Honduras
- International Association of River Keepers Eco-Tiras - Moldova
- Landelijk netwerk Bossen en Bomenbescherming - Netherlands
- Leefmilieu - Netherlands
- LPESM Riau - Indonesia
- Luontoliitto - Finland
- Milieudefensie - Netherlands
- Miljöjuristerna - Sweden
- Natural Forest Academy - Germany
- Naturschutzbund Deutschland - Germany
- NOAH Friends of the Earth Denmark - Denmark
- PanEco Foundation - Switzerland
- Pivot Point - United States
- Profundo - Netherlands
- Pro Regenwald - Germany
- Protect the Forest - Sweden
- Pro Wildlife - Germany
- Rettet den Regenwald - Germany
- Rainforest Action Network - United States
- Robin Wood - Germany
- Save Estonia's Forests - Estonia
- Scholar Tree Alliance - China
- Snow Alliance - China
- Society for Responsible Design - Australia
- Sustainable Development Institute (SDI) - Liberia
- Teraz Lasy! - Poland
- Victorian Forest Alliance - Australia
- Wuhu Ecology Center - China
- ZERO - Associação Sistema Terrestre Sustentável - Portugal