Bergbaufolgelandschaften und Windwurfflächen
Post mining landscapes and windbreakage areas

Region Lüneburg 1
Regional project L 1
> Application of biochar substrates in plants substrates in beets during filtration near a small wind turbine for the improvement of wind protection, climate change mitigation, and material flow management (Windberuf, Lössnitz, Biocharwindbündnis Lüneburg)
This project aims to evaluate the regeneration and restoration of post mining landscapes. It involves in-situ dynamic cultivation of windbreak plants and the integration of grassland hydrology and bioregeneration on wind breakage sites.

Regional project L 2
> Forest management / Black cherry trees (Prunus Serotina / Prunus subg. Prunus, Prunus serotina), the area of Feddelburg
In this project, forest substrates will be used to support the reforestation of degraded post mining landscapes. The project aims to establish a mixed forest on the former windbreak areas and to improve the area’s hydrology. The aim is to achieve an additional forest land use.

Crop project 1
> The use of biochar substrates in addition to conventional composting, production and recycling of new regional forest products
The goal of this project is to evaluate the conditions for biochar production in post mining landscapes. The project is focused on the assessment of regional strategies and the development of new regional forest products and their economic benefits.