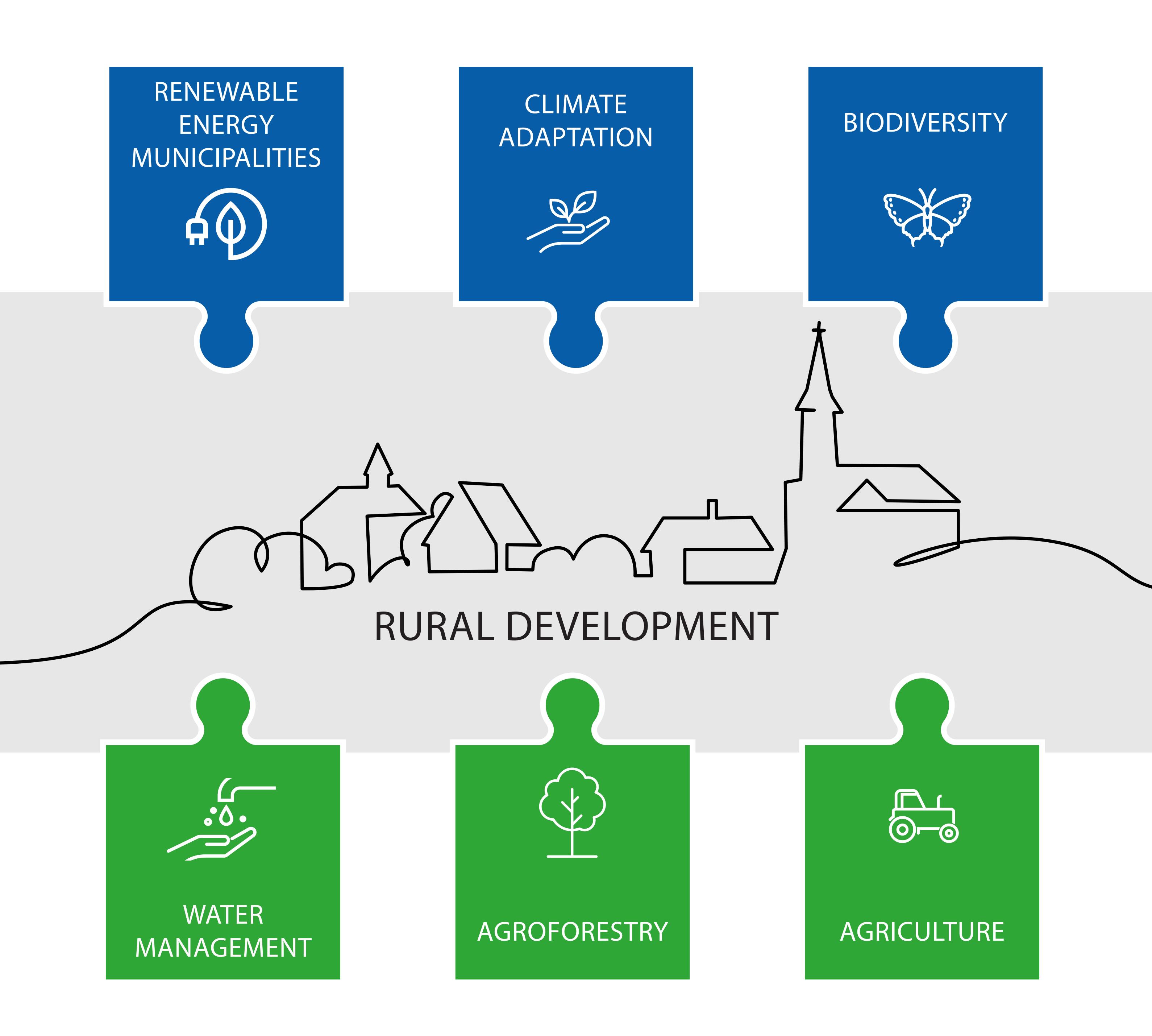


CULTIVATED LANDSCAPE DEVELOPMENT















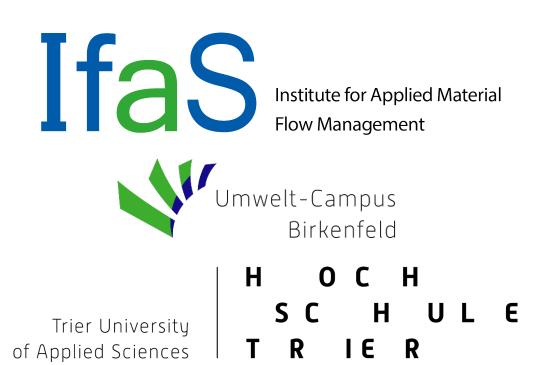














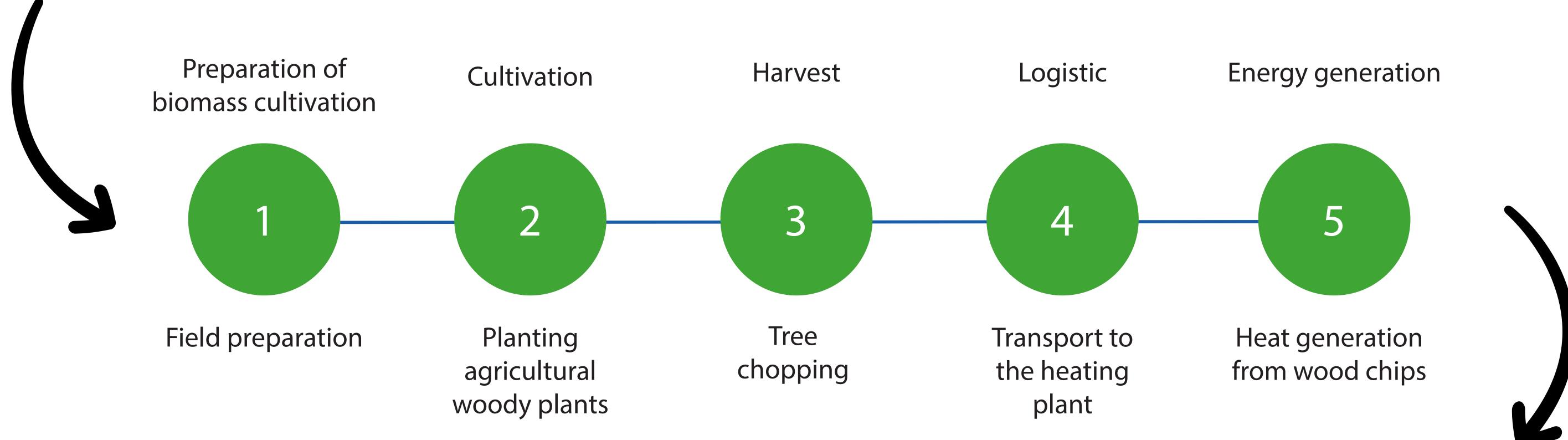
REGIONAL VALUE CREATION

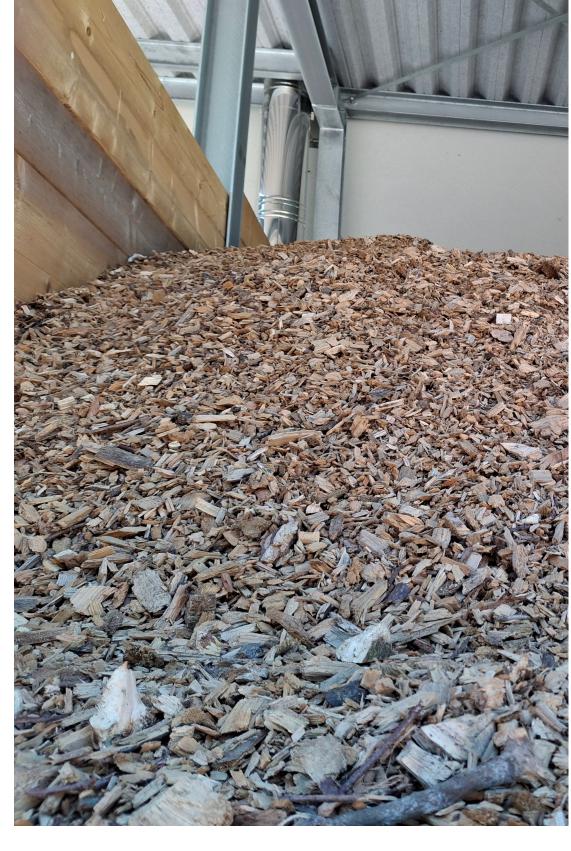


Implementation of agroforestry systems as a basis for new municipal networks

- + Linking climate protection and preservation of watercourses via restoration measures
- + Establishment of multi-utilisation concepts to reduce competition for use of land
- + Climate partnership between the municipalities of Wurzener Land for the implementation of a regional and sustainable heat supply









Agroforestry systems for the heat transition

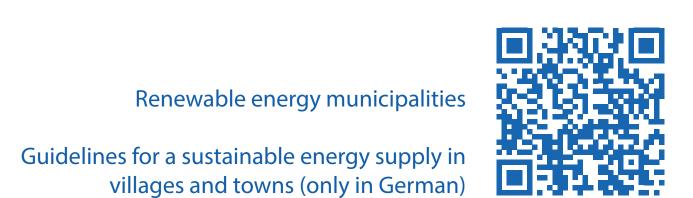
- + Development and operation of regional heat supply networks based on wood chips from agricultural wood crops
- + Regional, regrowing and price-stable raw material ensures renewable energy supply for municipalities, cities and districts
- Integration of the value chain in the sense of intermunicipal economic stimulation

Partnership of farmer and energy provider

- Wind erosion protection
- + Refuges for beneficial animals
- + Increase in biodiversity
- + New area of production & sources of income
- + Climate adaptation stabilisation of the water balance
- + Local added value



- + Regional value creation
- + Regional & price-stable securing of raw materials
- + Compensation measure for future projects
- → Win-win partnership with agriculture
- Contribution to climate protection
- + Contribution to rural development







Co-financers



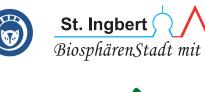


GEOPARK **PORPHYRLAND**













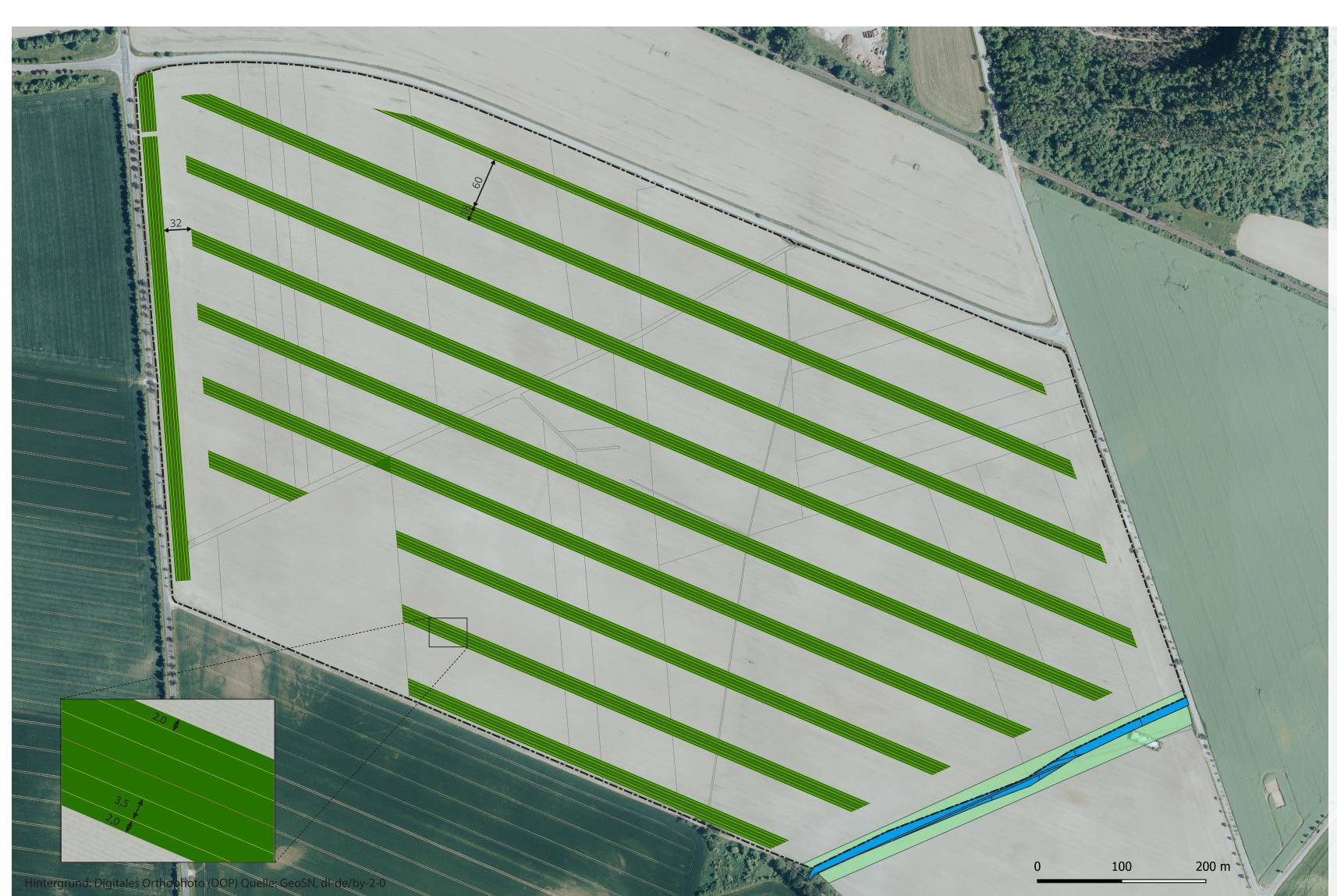
Trier University





AGROFORESTRY SYSTEM BÖHLITZ





Data (incl. tree rows Tauchnitzgraben) Lot surface 77.7 ha 61.9 ha (61.4 ha) Arable area 15.8 ha (16.3 ha) Tree area Tree strips 9 x 18 m und 1 x 11 m Plantation works 4 days approx. 100,000 € Costs Poplar rows - planting distance 1.5 m — Value wood rows - value wood | poplar alternating, plant spacing 1.5 m Tree strips - width 18 m or 11 m Tree strips Tauchnitzgraben (in planning) Special field block watercourses

Species	Number
Bakan' = P. trichocarpa x P. maximowiczii	7,976
Dender' = Populus deltoides x (Populus tri- chocarpa x Populus maximowiczii)	1,339
Marke' = P. deltoides x (P. maximowiczii x P. crichocarpa)	5,705
Matrix 11' = P. maximowiczii x P. trichocarpa	4,180
Skado' = P. trichocarpa x P. maximowiczii	4,370
Vesten' = P. deltoides x P. nigra	4,584
Sum poplars	28,154

Species		Number
Norway maple	Acer platanoides	406
Walnut	Juglans regia	406
Wild cherry	Prunus avium	406
Pedunculate oak	Quercus robur	203
Sessile oak	Quercus petraea	203
Wild service tree	Sorbus torminalis	406
Turkish hazel	Corylus colurna	406
Chestnut	Castanea sativa	406
Small-leaved lime	Tilia cordata	406
Sum deciduous tree	S	3.248

*Wherever possible, certified, regional and specially selected plant material was used for the production of valuable wood







Parcels

Lot border

→ Dimensions in m













Project partners

PORPHYRLAND















Trier University

of Applied Sciences