LTER site (BIOME): LTSER Platform Leipzig/Halle: temperate and broadleaved and mixed forests; represents Subcontinental Central European lowlands and Harz Mountains

The LTSER Platform Leipzig-Halle is situated in Central Germany and ranges from the Harz Mountains in the West to the city of Leipzig in the East and South and the city of Magdeburg in the North. Overall, the platform covers about 25,000 km². Basic characteristics include the gradients present in the region which are in part mediated by elevation: decreasing precipitation from the West to the East, increasing temperature from West to East, shrinking cities like the city of Halle and expanding cities like the city of Leipzig and in general an increase in agricultural land use and field sizes in the lower lands which are often characterised by rich soils.

The platform is at the same time the TERENO observatory (http://www.tereno.net/) of the Helmholtz Centre for Environmental Research – UFZ. Ecological research focuses on two transect corridors from West to East and from Southwest to Northeast which are investigated using a field site network of six core and several satellite sites.

Ecosystem Service	**Specific services that are important at your site**	**Direction of change (improving, degrading, about the same, unknown**	**Primary drivers of change, if known**	**Public awareness of service (high, medium, low)**	**Institutions that manage this service**
Provisioning Services					
Food	Yes	Improving	Land-use change (intensification of agriculture)	high	Agricultural offices
Fiber	Yes	Improving	Land-use change (intensification of forestry)	medium	Forest offices
Fuel	Yes	Improving	Land-use change (increase in oil crops)	high	Agriculture and Forestry
Genetic Resources	Yes	about same	unknown	medium	Environmental Agency Saxony-Anhalt
Biochemicals & pharmaceuticals	Yes	unknown	unknown	medium	Pharmacy companies
Ornamental resources	Yes	unknown	unknown	low	Environmental Agency Saxony-Anhalt
Fresh Water	Yes	degrading	increase in land-use intensity	high	State offices
Other service					

Regulating Services					
Air quality regulation	Yes	Improving	reduction of emissions	high	Environmental Agency Saxony-Anhalt
Climate regulation	Yes	degrading	climate change	high	Environmental Agency Saxony-Anhalt
Water regulation	Yes	degrading	climate change and land-use change	high	Environmental Agency Saxony-Anhalt
Erosion regulation	Yes	degrading	land-use change (changes in dominant crops), climate change	medium	Environmental Agency Saxony-Anhalt
Water purification and waste treatment	Yes	improving	land-use change	high	Environmental Agency Saxony-Anhalt
Disease regulation	Yes	degrading	climate change, land-use change	medium	Federal and State
Pest regulation	Yes	degrading	climate change	medium	Federal and State
Pollination	Yes	degrading	land-use change (increasing in biocide se), climate change, invasion of bee diseases	low	Federal and State
Natural hazard regulation	Yes	degrading	changes in forest land-use	low	State
Other service					
Cultural Services					
Cultural diversity	Yes	improving	growing public interest	medium	State, non-governmental organizations (NGO)
Spiritual and religious values	Yes	unknown	unknown	low	NGO
Knowledge systems	Yes	unknown	unknown	low	NGO
Educational values	Yes	improving	growing public interest	medium	State, NGO

Inspiration	Yes	same	unknown	low	NGO
Aesthetic values	Yes	improving	growing public interest	medium	State, NGO
Social relations	Yes	same	unknown	medium	State, NGO
Sense of place	Yes	same	unknown	low	NGO
Cultural heritage values	Yes	Same	Unknown	Medium	State, NGO
Recreation and ecotourism	Yes	Improving	Public and private activities, climate change	High	State, local authorities
Other service					
Supporting Services					
Soil formation	Yes	Degrading	Urbanization, mining activities	Medium	Environmental Agency Saxony-Anhalt
Photosynthesis	Yes	Degrading	Urbanization, mining activities	Medium	Environmental Agency Saxony-Anhalt
Primary production	Yes	Unknown	Urbanization, land use change, climate change	Medium	Environmental Agency Saxony-Anhalt
Nutrient cycling	Yes	Degrading	Land use change, urbanization, climate change	Medium	Environmental Agency Saxony-Anhalt
Water cycling	Yes	Degrading	Land use change, urbanization, climate change	Medium	Environmental Agency Saxony-Anhalt
Other service					