

**FIRE PARADOX – GFMC Prescribed Burning Demonstration Network Inventory Sheet**

<b>Prescribed Burning Demonstration Sites - Site Description and Objectives -</b>		<b>Local Site Name: Zschorno</b>
Country: Germany	Region: Forest District Lausitz	Location: Zschorno
Unit No./Admin. Unit:	Owner: Federal Forest Service	Site area (ha): 200
UTM zone: 33	UTM (x): 446789 UTM (y): 5702786	Map / Aerial photo : <input type="radio"/> <b>Yes</b> (Please attach) <input type="radio"/> No
First established: 2002	Area(s) burnt (ha): 1.3	Fire return interval (or time since last burn, or next burn planned): Tentatively 15 yrs
Number of plots (in case of an array of sub-plots for experimental repetitions, particular site differences or high number of operationally burned sites): 3		
Special remarks:		
<b>Purpose of Treatment:</b> Restoration of continental <i>Calluna</i> heathlands through suppression of succession		
Specific Treatment Objectives: (a) Control of forest succession, i.e. <i>Betula</i> spp. and <i>Pinus sylvestris</i> for maintaining open habitat structures of Black Grouse ( <i>Tetrao tetrix</i> L.); (b) creation of fuelbreaks (bufferzones) between pine stands for improvement of wildfire control in large fire situations.		Objectives reached? <input type="radio"/> Yes <input type="radio"/> <b>No</b> Specify: Tree succession only partially controlled (resprouting of birch)
<b>Desired burn conditions to reach objectives (optional or if necessary as general prerequisite)</b>		
Wind speed (m/s): 2-4	Wind direction: SE	
Relative humidity (%): 40	Soil moisture: low	
Air temperature (°C): 25-30	Burn period (time of year): July - September	
What problems do occur? Amount of precipitation can be too high during the burn period (summer)		
<b>Site description</b>		
Vegetation type (main species): Subcontinental <i>Calluna</i> -heathlands <i>Calluna vulgaris</i> 90% <i>Betula pendula</i> 10% ( <i>Pinus sylvestris</i> ) + ( <i>Deschampsia flexuosa</i> ) +	Annual mean precipitation (mm/a): 627	Mean precipitation during time of burn (mm): 316
Fuel load (target fuel) (t ha <sup>-1</sup> ): 12.8	Annual mean temperature (°C): 8.9	Mean temperature during time of burn (°C): 16.7
Fuel description: Dense <i>Calluna</i> cover with single <i>Betula pendula</i> and <i>Pinus sylvestris</i> trees		



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Topography: plain	Slope (%): 0	Aspect: --	Altitude (m a.s.l.): 150	Soil conditions: Sandy soils with low nutrient content and low water storage capacity
Other: The site is a former military bombing range (explosives / ordinances removed)				

<b>Burn team specifications</b>		
Parties involved: GFMC Federal Forest Service	Specific expertise or training: <input type="radio"/> <b>Yes</b> <input type="radio"/> No Please specify: GFMC prescribed burning courses	
<b>Documentation of demonstration site</b>		
Management plan: <input type="radio"/> <b>Detailed management plan</b> <input type="radio"/> Simple management plan <input type="radio"/> none	Burn protocol: <input type="radio"/> <b>Yes</b> <input type="radio"/> No	Monitoring of <input type="radio"/> <b>Weather data</b> <input type="radio"/> Fuel accumulation <input type="radio"/> <b>Fire behaviour</b> <input type="radio"/> Smoke
Presentations: PPT available on request		
Photos/ videos: <a href="https://gfmc.online/programmes/natcon/Brandenburg%20Report-new.PDF">https://gfmc.online/programmes/natcon/Brandenburg%20Report-new.PDF</a>		
Publications: Plettenberg F. Graf von; Brunn, E.; Noack, G.; Goldammer, J.G.; Hille, M.; Held, A.C. (2004): Re-establishment of Traditional Heathland Management Tools in the Federal Forest Service District Lausitz, Brandenburg State, Germany. International Forest Fire News No. 30, 29-35. <a href="https://gfmc.online/programmes/natcon/Brandenburg%20Report-new.PDF">https://gfmc.online/programmes/natcon/Brandenburg%20Report-new.PDF</a>		
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