



Name of pilot area / aquifers / type: Fuhrberger Feld, North Germany		Country: Germany Region: North-western Europe		
Approximate location of pilot:				
Name of Shape- / Geopackage file defining the area:	Fuhrberg.shp		Projection to be used: WGS84 (Epsg4326)	
Hydrological parameters	Mean annual precipitation (mm) / range	Mean annual groundwater recharge (mm) / range	Mean annual groundwater recharge temperature (Celsius)	Thickness of unsaturated zone (range in m)
	680	150 - 250	11	1 - 2
List of aquifers and aquitards in pilot area		No. of confined aquifers in pilot area:		No. of unconfined aquifers: 1
Aquifer no. (aqf)/aquitard no. (aqt)	Aquifer/aquitard name	Lithology (Resource WP6 terminology)	Depth range (m)	GW age range (yr)
Aqf-1:	Pleistocene sands	Fine to coarse sand	20 – 30 m	5 – 60
Porosity type	Porous	Fissured	Fissured and porous / dual porosity	
	X			
Applied tracer age indicators $^3\text{H}/^3\text{He}$		Compared influence of sampling methods		
Objective of age dating studies: Determine the influence of groundwater sampling methods on the measured ^3H and ^3He concentrations.				



General groundwater management		Assessment of pollutant history		Assessment of the efficiency of remediation and mitigation measures		Indication of vulnerability of aquifers and water supply wells	
Water Usage	Water supply		Irrigation	Industry	Other		
	x		x				
Geoenergy related activities	Shallow Geo-T	Deep Geo-T	Hydrocarbons		Nuclear waste disp.	CO ₂ storage	
Mining activities	Construction materials		Minerals /metals	Coal	Other		
REFERENCES							
OPEN Access reports and papers (PDF versions made available in EGDI repository making them downloadable via maps and keyword / free text searches)				Reports and papers with restricted access Georg J. Houben, Paul Koeniger, Stefan Schloemer, Jens Gröger-Trampe, Jürgen Sültenfuß (2018) Comparison of depth-specific groundwater sampling methods and their influence on hydrochemistry, isotopy and dissolved gases – Experiences from the Fuhrberger Feld, Germany, Journal of Hydrology, Volume 557, 182-196, https://doi.org/10.1016/j.jhydrol.2017.12.008.			
Remarks / other relevant information:							