

GDF - categories

GDF - categories

Data containing one parameter and date

The structure 'd' includes two fields:

- *Date* - vector of real numbers containing Matlab time
- *Parameter_name* - vector of real numbers

Dane tego typu:

Data type	Parameter name	Description of the parameter
BOTTOMHOLE PRESSURE	<i>Bottomhole_pressure</i>	
CUMULATIVE INJECTION	<i>Cumulative_injection</i>	
FLOWBACK BOTTOMHOLE PRESSURE	<i>Flowback_bottomhole_pressure</i>	
FLOWBACK RATE	<i>Flowback_rate</i>	
FLOWBACK VOLUME	<i>Flowback_volume</i>	
INJECTION RATE	<i>Injection_rate</i>	
INJECTION VOLUME	<i>Injection_volume</i>	
INTERVAL PRESSURE	<i>Interval_pressure</i>	
PROPPANT CONCENTRATION	<i>Proppant_concentration</i>	
RADON 222 CONCENTRATION	<i>Radon222</i>	
RESERVOIR PRESSURE	<i>Reservoir_pressure</i>	
STEAM PRODUCTION	<i>Steam_production</i>	
WATER LEVEL	<i>Water_level</i>	water level measured in one defined place in [m]
WATER PRODUCTION	<i>Water_production</i>	
WATER VOLUME	<i>Water_volume</i>	
WELLHEAD PRESSURE	<i>Wellhead_pressure</i>	

Data containing parameters and date

The structure 'd' includes minimum three fields:

- *Date* - vector of real numbers containing Matlab time
- *Parameter_name1* - vector of real numbers
- *Parameter_name2* - vector of real numbers
- *Parameter_name...* - vector of real numbers

Dane tego typu:

Data type	Parameter name	Description of the parameter
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AIR QUALITY	<i>NO</i> <i>NO₂</i> <i>NO_x</i> <i>CO</i> <i>PM10</i> <i>O₃</i> <i>CO₂</i> <i>CH₄</i> <i>NMHC</i> <i>THC</i>	
ATMOSPHERIC PRESSURE	Atmospheric_pressure Air_temperature	
FRACKING PROCESS PARAMETERS	Maximum_pressure Total_proppant Maximum_proppant_concentration Total_volume_of_slickwater Total_volume_of_injected_fluid	
GROUND WATER LEVEL	Station names/codenames	
INJECTION RATE MULTI	Well numbers/names	Injection rate for each Well number/name
INJECTION VOLUME MULTI	Well numbers/names	Injection volume for each Well number/name
INSITU TEMPERATURE	Sensor name	Temperature of rock for each Sensor name

NATURAL GAS PRODUCTION	Amsweer	Name of production cluster ...
	Bierum	
	De_Eeker	
	De_Paauwen	
	Eemskanaal	
	Kooipolder	
	Leermens	
	Oudeweg	
	Overschild	
	Schaapbulten	
	Scheemderzwaag	
	Siddeburen	
	Slochteren	
	Spitsbergen	
	Ten_Post	
	Tjuchem	
	Tusschenklappen	
	t_Zandt	
	Zuiderpolder	
	Zuiderveen	
OIL PRODUCTION	Well/Cluster Name 1	Name of production well/cluster
	Name 2	
WATER HEIGHT	Water_height_min	
	Water_height_max	
	Water_height_mean	

Data containing areas or lines

Visualized as shapes without a fill on the map.

The structure 'd' includes minimum two fields:

- *Lat* - vector of real numbers containing the latitude value of the shoreline point
- *Long* - vector of real numbers containing the longitude value of the shoreline point
- Additional field(s) containing the description of the object

Data type	Field name with description	Description of the field	Comments
CAVITY ROOF LEVEL	Name	Vector of text descriptions containing the name of the profile	The file can contain more objects
FAULTS	Name	Vector of text descriptions containing the name of the fault or the name of the fault zone	The 'Name' field is optional The file contains more than one object
GEOAREA	-	-	The file can contain more objects
GRAVITY MONITORING	Name	Vector of text descriptions containing the name of the profile	The file can contain more objects

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MINE AREA	Name	Vector of text descriptions containing the names of the mine	The file can contain more objects
MINING FRONT ADVANCE	Date	Vector of real numbers containing Matlab time	The file contains more than one object
MINING POLYGON ADVANCE	Date	Vector of real numbers containing Matlab time	The file contains more than one object
SHORELINE	-	-	The file contains a single object
WELL PATH	-	-	The file contains a single object

Data containing points

Visualized as points on the map

The structure 'd' includes minimum two fields:

- *Lat* - vector of real numbers containing the latitude value of the shoreline point
- *Long* - vector of real numbers containing the longitude value of the shoreline point
- Additional field(s) containing the description of the object

Data type	Field name with description	Comments
AIR STATIONS	Station_codename Sensor_type	Displaying after clicking on the point: "Station_codename, Sensor_type" The 'Sensor_type' field is optional
COLLAR DRILLHOLE POSITION	Name Total_depth Total_length	Displaying in a tooltip: "Name, Total_depth, Total_length" Fields 'Total_depth' i 'Total_length' are optional The file contains more than one object
GNSS STATIONS	Station_codename Sensor_type	Displaying after clicking on the point: "Station_codename, Sensor_type" The 'Sensor_type' field is optional
GRAVITY STATIONS	Station_codename Sensor_type	Displaying after clicking on the point: "Station_codename, Sensor_type" The 'Sensor_type' field is optional
POWER PLANT POSITION	Name	Displaying after clicking on the point: "Name"
PRODUCTION CLUSTER POSITION	Name Abbreviation	Displaying after clicking on the point: "Name (Abbreviation)" The 'Abbreviation' field is optional
SEISMIC STATIONS	Station_codename Sensor_type	Displaying after clicking on the point: "Station_codename, Sensor_type" The 'Sensor_type' field is optional
SHEAR WAVE VELOCITY	Vs30	
INSITU TEMPERATURE STATIONS	Station_codename Sensor_type	Displaying after clicking on the point: "Station_codename, Sensor_type" The 'Sensor_type' field is optional
WATER STATIONS	Station_codename Sensor_type	Displaying after clicking on the point: "Station_codename, Sensor_type" The 'Sensor_type' field is optional
WELL POSITION	Well_codename	Displaying after clicking on the point: "Well_codename, ..."

Data containing dates and points

Visualized as points on the map

The structure 'd' includes minimum three fields:

- Date - vector of real numbers containing Matlab time

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- *Lat* - vector of real numbers containing the latitude value of the shoreline point
- *Long* - vector of real numbers containing the longitude value of the shoreline point
- Additional field(s) containing the description of the object

Data type	Field name with description	Comments
BLAST INFORMATION	Blast_target	Displaying after clicking on the point: "Blast_target, Date"
CONTINUOUS GEODETIC MEASUREMENTS	Def_Up, Def_North, Def_East	Dataset contains except paraterer value (e.g. Def_Up), station codename and its location
INSITU DEFORMATION	Deflz	Dataset contains except paraterer value (e.g. Deflz), station codename and its location
PERIODIC GEODETIC MEASUREMENTS	Def_Up, Def_North, Def_East	Dataset contains except paraterer value (e.g. Def_Up), station codename and its location
PERIODIC GRAVIMETRIC MEASUREMENTS	Gravity	Dataset contains except paraterer value (e.g. Gravity), station codename and its location
STRAIN GAUGE MEASUREMENT		Dataset contains except paraterer value (e.g. StrainX), station codename and its location

Data containing columns

The structure 'd' includes minimum three fields:

- *Length_from* - vector of real numbers containing starting points
- *Length_to* - vector of real numbers containing endpoints
- Additional field(s) containing the description of the object located between Length_from and Length_to

Data type	Field name with description	Comments
DRILLHOLE LITHOLOGY	Name Lithology Lithology_code	Displaying in a tooltip: Lithology, Lithology_code, Length_from, Length_to (The file contains more than one object)

Others

Data type	Comments
DOWNHOLE PRESSURE	The file can contain more objects
DOWNHOLE TEMPERATURE	The file can contain more objects
CARTESIAN STATION	
GEOPOLYGON 3D	The file can contain more objects
INTERVAL VELOCITY MODEL	
MECHANICAL DATA	Time since the beginning of the experiment.
RAY TRACING ANGLES	
ROCK TEMPERATURE	
SHALLOW GROUNDWATER TEMPERATURE	
SHALLOW VELOCITY PROFILE	The file can contain more objects
STRESS DATA	

VELOCITY MODEL	
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