

GeoTeric® User Guide



Master Project – Improved Project Management

GeoTeric's Master Project functionality allows the user to transfer data from a Master Project containing all key data, into a Client Project which can be worked on individually. It also allows for project items such as horizons and faults to be seamlessly transferred between Client Projects.

The value of this functionality is that a significant amount of disk space can be saved as Client Projects would only need to reference the Master Project volumes and greatly save time as data managers (admins) would only need to load key data once.

Once a Client Project references a Master Project, the volumes are automatically referenced and the interpreters can then choose to import any specific blends or project items (horizons, faults, wells, polygons etc...).

The diagram below illustrates how the Master Project and Client Projects can be used, for instance, a fault interpretation (or any other project item) created in Client Project A can be transferred to Client Project B using the 'Copy From Project' option, while both can reference the Master Project data.





Information for Admins

Admins who will be in control of the Master Project can 'publish' all project tree items, including volumes and blends. To activate this functionality an environmental variable must be created.

| System Properties | × | | | | |
|--|-----------------------------|--|--|--|--|
| Computer Name Hardware Advanced System Pro | ection Remote | | | | |
| You must be logged on as an Administrator to make Performance Visual effects, processor scheduling, memory usage | and virtual memory Settings | | | | |
| User Profiles Desktop settings related to your sign-in | Settings | | | | |
| Startup and Recovery System startup, system failure, and debugging infor | Settings | | | | |
| Environment Variables | | | | | |
| ОК | ancel Apply | | | | |

This can be accessed by going to System properties and selecting Environment Variables.

| Variable | Value |
|---|--|
| HDFD_MIN_FREQUENCY | 2 |
| OneDrive | C:\Users\acader\OneDrive |
| Path | C:\Users\acader\AppData\Local\Microsoft\WindowsApps; |
| SLBSLS_LICENSE_FILE | 27700@fluorite |
| TEMP | C:\Users\acader\AppData\Local\Temp |
| ТМР | C:\Users\acader\AppData\Local\Temp |
| | New Edit Delete |
| | Derete |
| stem variables | |
| stem variables Variable | Value |
| stem variables Variable PROCESSOR_REVISION | Value 5e03 |
| stem variables Variable PROCESSOR_REVISION PSModulePath | Value 5e03 %ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\syste |
| stem variables Variable PROCESSOR_REVISION PSModulePath TEMP | Value 5e03 %ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\syste C:\Windows\TEMP |
| stem variables Variable PROCESSOR_REVISION PSModulePath TEMP TMP | Value 5e03 %ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\syste C:\Windows\TEMP C:\Windows\TEMP |
| stem variables Variable PROCESSOR_REVISION PSModulePath TEMP TMP USERNAME | Value 5e03 %ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\syste C:\Windows\TEMP C:\Windows\TEMP SYSTEM |
| stem variables Variable PROCESSOR_REVISION PSModulePath TEMP TMP USERNAME windir | Value Se03 %ProgramFiles%\WindowsPowerShell\Modules;C:\Windows\syste C:\Windows\TEMP C:\Windows\TEMP SYSTEM C:\Windows |

In the System variables section, select New.



| New System Variable | | | | × |
|---------------------|-----------------|---|----------|-----|
| Variable name: | GEOTERIC_MASTER | - | | |
| Variable value: | 1 | | | |
| Browse Directory | Browse File | | OK Cance | el: |

Input as a New System Variable, the name GEOTERIC_MASTER, with a value of 1.

With the above settings, Master Project admins will be able to 'publish' their data which will let interpreters using Client Project, to import that data.

| | z | |
|------------------|-----------------------------|--|
| | 7 | |
| | Add to Scene | |
| | Remove from Scene | |
| FaultEnhance_2_2 | D 1 - | |
| FaultDetect_GOS_ | Delete | |
| Colour Blends | Rename | |
| ECQ_28_36_50_BI | Dublish | |
| HDFD_Blend_19_4 | Publish | |
| Opacity Blends | Volume Notes | |
| Ne | Send to Noise Expression | |
| Ne | Send to Noise Expression | |
| | Send to Spectral Expression | |
| 3 | Send to Fault Expression | |
| | Send To DecisionSpace | |
| | Send To PaleoScan | |
| | | |

This can be done by right clicking on any project tree item and selecting 'Publish'.



Creating Master and Client Projects

To create a Master Project, nothing different needs to be done. Any GeoTeric project (existing or new) can become a Master Project. These Master Projects can be linked to by a Client Project. The easiest way to create a Client Project is by starting a new project based on 'Master', and subsequently selecting the XML file for that corresponding Master Project.

| | | | Continue an existing | Start a new project | View example results | F3 |
|------|--|-------------|----------------------|---------------------|-------------------------|----|
| A.F. | Teric | TRILORD TRA | • pojer | | | |
| , | © 2017 GeoTeric Version 2018.1.0313 | | | | | |
| | | | | | | |

Start-up GeoTeric 2018.1 and select 'Start a new project'.

| • | |
|-------------|-------------|
| | |
| | |
| Choose loca | ation |
| | |
| | |
| | |
| | Choose loca |

The Master tab should be selected and after naming the project and selecting where it should be stored; click on the 'Choose file & create' tab.

a.



🕮 Choose the Master Project to base your new project on

| \leftarrow \rightarrow \checkmark \uparrow \blacksquare > Network > Lithium > MasterProjects > Thebe_Master | | | | | |
|---|------------------------|------------------|--------------|--------|--|
| Organize 🔻 New folder | | | | | |
| 🔹 Quick access | Name | Date modified | Туре | Size | |
| Dedter a | AdaptiveGeobodies | 16/05/2017 13:03 | File folder | | |
| Desktop 🗶 | AdaptiveHorizons | 16/05/2017 13:03 | File folder | | |
| 🕂 Downloads 🖈 | ArbitraryLine | 27/02/2018 13:53 | File folder | | |
| 🚆 Documents 🛛 🖈 | 📙 backup | 28/03/2018 12:55 | File folder | | |
| 📰 Pictures 🛛 🖈 | 📙 batchjobs | 28/02/2018 09:43 | File folder | | |
| GeoTeric_Pre_Re 🖈 | Cache | 28/02/2018 14:43 | File folder | | |
| 📮 MasterProjects 🖈 | CheckShots | 27/02/2018 13:55 | File folder | | |
| Eaults | Crossplot | 16/05/2017 13:03 | File folder | | |
| Poseidon | 📙 culturaldata | 28/03/2018 12:47 | File folder | | |
| | Data 🛛 | 26/03/2018 16:40 | File folder | | |
| Stybarrow_CI_Demc | Faults | 28/02/2018 14:43 | File folder | | |
| Tests | History | 12/03/2018 15:57 | File folder | | |
| a OneDrive | Horizon Interpretation | 27/02/2018 14:47 | File folder | | |
| | | 27/02/2018 14:48 | File folder | | |
| This PC | MABO | 16/05/2017 13:03 | File folder | | |
| 🧊 3D Objects | Master Project | 28/03/2018 12:47 | File folder | | |
| Abdulqadir's iPhone | Opacity | 27/02/2018 13:51 | File folder | | |
| E Desktop | - pending | 27/07/2017 14:23 | File folder | | |
| Documents | Polygon | 16/05/2017 13:03 | File folder | | |
| | Well Log Template | 28/03/2018 12:47 | File folder | | |
| Music | WellLog | 27/02/2018 14:48 | File folder | | |
| J) Music | Wells | 27/02/2018 14:48 | File folder | | |
| Pictures | wilo | 27/03/2018 10:04 | File folder | | |
| Videos | Thebe_Master | 28/03/2018 12:55 | XML Document | 105 KB | |
| 🟪 OS (C:) | | | | | |
| DATA (D:) | | | T | | |
| Elements (E:) | | | | | |
| 📟 Elements (E:) | | | | | |

Browse for your Master Project and open the project directory where you will be able to select the XML file.



This will then open a blank Client Project. The Master Project transfer window can be accessed by either clicking on the links tab in the top right-hand corner of the main window, or by going to File in the top left-hand corner.



Importing Data



When the Show all items selection is active, the user will be able to import any project tree items into the Client Project. The Volumes and Blends, will only be referenced, all other project items will be stored locally. If the user wishes to make the Volumes or Blends local as well, the Volumes can be right-clicked and a 'subset' of the entire volume can be created which will be stored locally.



Referenced volumes can be distinguished from local volumes by the different icons. The icon identified by the red arrow is a referenced volume, while the icon identified by the black arrow is a local one.



| 🥮 Master Project | | | | | - | | × |
|--|----------------------------------|--------|--------------------|----------------|---|-------|---|
| \\Lithium\MasterProjects\Thebe_Master | ١ | | | | | Brows | e |
| ⊡ Thebe_Master | | | | | | | |
| HDFD_Mag_19_43Hz HDFD_Mag_45_34Hz HDFD_Mag_73_29Hz | 'Published' items appear here | s will | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| • | | | | | | | |
| | | | | | | | |
| Showing 3 items reaction for update of 109 | items in the Master project | | | | | | |
| Import Show updated item | ns in the Master project only | ◯ Show | all items in the M | laster project | | | |

If the user wishes to import a published project tree item, the 'Show updated items' option should be selected. These can be imported as a copy or these can overwrite exiting items.



Transferring Data between Client Projects

In addition to transferring data from a Master Project, project item data (not volumes or blends) can be transferred between Client Projects if there is a CRS compatibility. For example, if a horizon interpreted in Client Project B is needed in Client Project A, the item can simply be selected and seamlessly imported.

| <u></u> C | lient_Project_A - GeoTeric | | |
|-----------|------------------------------|--------|--|
| File | WorkFlows Tools View Hel | р | |
| | Start a New Project | Ctrl+N | |
| | Continue an Existing Project | Ctrl+0 | |
| | Project Manager | Ctrl+M | |
| | Master Project | | |
| | Copy From Project | - | |
| | Add License Module(s) | | |
| | Exit | | |
| | | | |
| | | | |

The transfer window for this can be accessed in File, in the top right-hand corner of the main window, where 'Copy From Project' can be selected.

| 🕮 Copy From Project | - 🗆 X | |
|---------------------|---|--------------|
| | Browse | |
| | | |
| Bro | rowse For Folder | × |
| Se | Select project | |
| | S CC:) DATA (D:) Demo GeoTeric_Pre_Release | ^ |
| | Local Drive Client Project_A Client Project_B Tests Training Data | |
| | > GeoTeric_Hard_Disk_9_4TB (F:) > 🐂 Libraries | ~ |
| Fi | Folder: Client_Project_B | |
| | | OK Cancel |
| Import | | \leftarrow |



The Client Project that the user wishes to copy from simply needs to be browsed, and the directory needs to be selected.

| 🕮 Copy From Project | | - | | × |
|---------------------------------|---|---|--------|---|
| D:\Local Drive\Client_Project_B | | | Browse | · |
| Client_Project_B | Project Items can be transfered from Client Project B to Client Project | | | |
| Import | | | | |

All project items can then be transferred across from one Client Project to another, please note: Volumes and Blends cannot be copied from a Client Project.