

## How to prepare and use Corelyzer in conjunction with DIS

Install the most recent version of the Corelyzer using the download link <http://www.corewall.org>, and perform the installation.

### 1. Prepare the File System

For Corelyzer a subset of the ExpeditionDIS-subfolders are mandatory:

- SlabbedCoreScans and/or UnrolledCoreScans contain(s) the low-resolution DIS scan images of the core sections
- SlabbedCoreScans\_Orig\_Jpeg and/or UnrolledCoreScans\_Orig\_Jpeg contain(s) the high-resolution DIS scan images of the core sections
- rms contains the xml-files per hole of the core section images and litho descriptions, MSCL-data and/or XRF-data. These xml-files are/have been generated by the XML Export tool of the DIS.
- Downhole\_Logs Contains tab-delimited text files of logging data:  
The first column must be the depth  
Followed by a number of columns of measured numerical values  
On top of the file must be one line with the tab-delimited column names. Four additional text lines are required, they can contain additional remarks

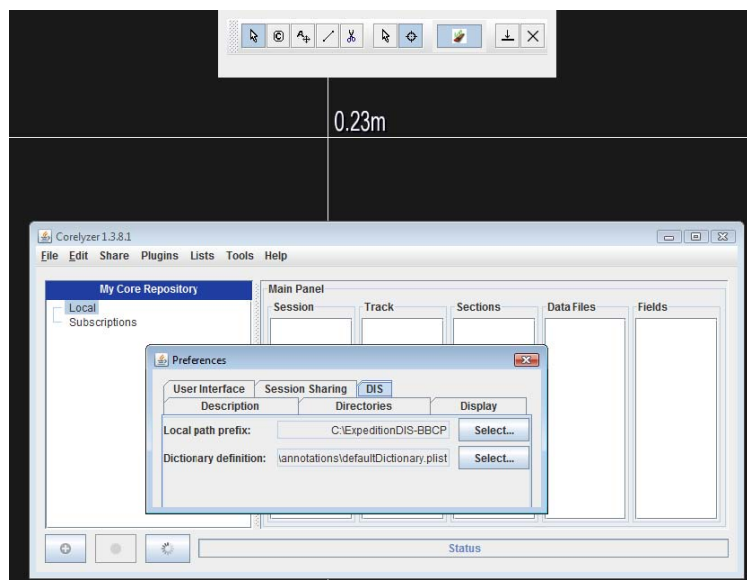
Example:

Depth (m)	Si (a)	S (a)	Cl (a)	K (a)	Ca (a)	Ti (a)	Fe (a)	Sr (a)	Ba (a)	Mg (a)	Al (a)
5017_1_B:	The XRF data can only be used for qualitative interpretations, as they reflect raw counts from uncalibrated, very quick scans .										
2.069	123	52	4440	938	14219	483	1392	114	12	8	6
2.07	161	12	4430	942	12828	604	1547	56	0	0	5
...											

If you do not have DIS on your system you can create the same subfolders under a folder of your selection.

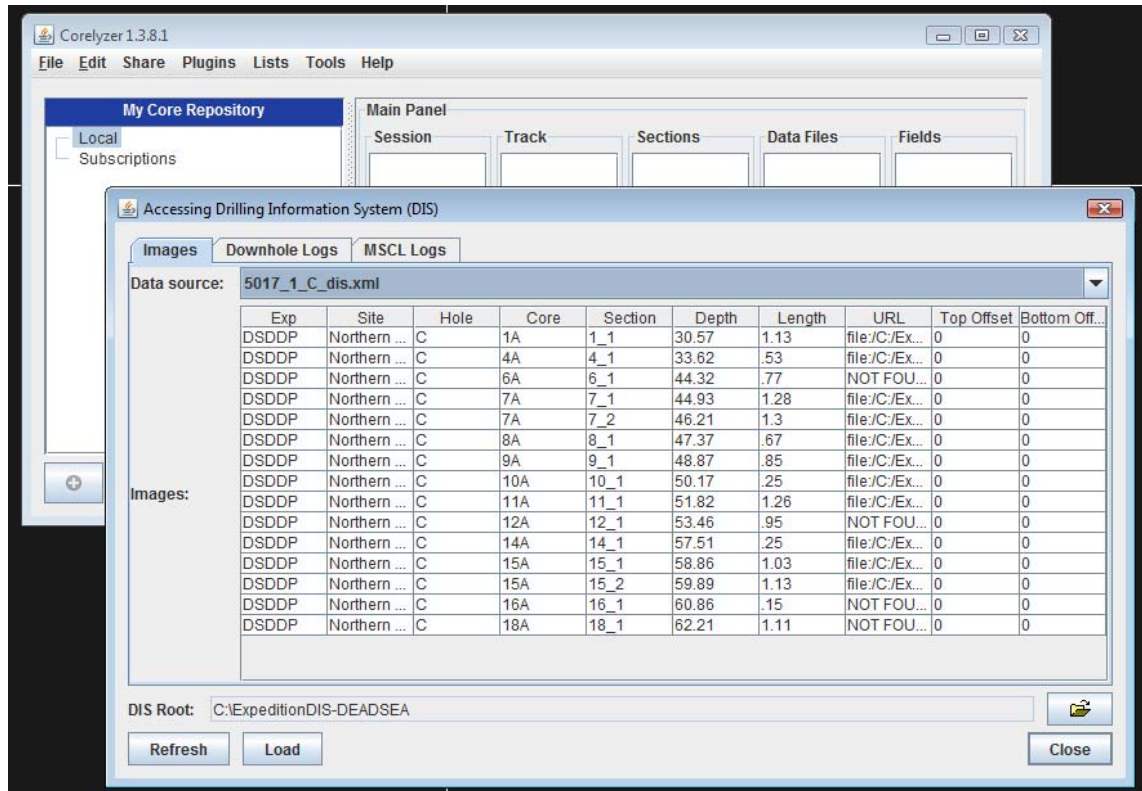
Caution: !!! The selected path must not contain any **BLANKS** in any part !!!!

### 2. Corelyzer Preferences - Settings



Go over 'Edit' – 'Preferences' – 'DIS'. Select for the 'Local Path Prefix' the ExpeditionDIS-folder by a click on the 'Browse'-button.

### 3. Loading Images



Click on 'Lists' – 'DIS-Lists', select 'Images' and pick up a 'Data Source' from the list. You can specify whether you want to load even the high-resolution images and whether you want ignore CC-images. You can select single images or the full list. Finally click on 'Load'.

4. Loading MSCL- or XML-Data  
Click on 'Lists' – 'DIS-Lists', select 'MSCL logs' and pick up one MSCLxml or XRF\_MSCL.xml file from the list. Finally click on 'Load'.
5. Loading (Downhole) Log Data  
Click on 'Lists' – 'DIS-Lists', select 'Downhole Logs' and pick up one Logdata-txt file from the list. Finally click on 'Load'.
6. For ICDP-Projects:  
The corresponding images and data files can be found on the project Web page: <http://www.icdp-online.org>. Then login (you need to be Science Team Member of the desired project). Click 'Projects', browse to the project page, and open the 'Internal Data' or the 'Internal Images' page.