

IHS Kingdom Suite – Re-linking Seismic Direct Project

Work Instruction | EUAF-FNLM-CD-WI-008

Issue	Date	Prepared By	Reviewed By	Approved By Owner
01	10 June 2021	W. van Kesteren	J. Peuchen	W. van Kesteren

Work Instruction

1. Introduction

This document provides a guide to reconnect IHS Kingdom projects, created using SeismicDirect, to SEG-Y files. The guide is intended for Fugro employees working with IHS Kingdom software created with the SeismicDirect functionality.

2. Project Structure

Projects created with use of SeismicDirect rely on links to specific folders in the project structure containing:

- SeismicDirect application files;
- SeismicDirect log files;
- Project SEG-Y files.

Connection between the Kingdom Project and these folders may be lost upon physically copying the project to a different network location. In addition, the assigned drive letter (e.g. 'D') may be different for a Kingdom Project stored on an external HDD when plugged into different computers. In both scenarios, seismic amplitude data may not be displayed in the Kingdom Suite Project. To resolve this the three SeismicDirect folders need to be re-linking to the project.

You know when you need to re-link the folders when you get the following message upon attempting to open a seismic section:



Browsing to the correct folder location (using the 'Browse' button) does have the desired effect; relinking should be done within SeismicDirect (i.e. click on 'OK').

3. Re-linking Folders

The following step-by-step guide will allow you to relink the SeismicDirect and SEG-Y folders and have the Kingdom Project working as intended within a couple of minutes.



Step 1 – Open SeismicDirect from within the Kingdom Project:

On menu bar: Surveys → SeismicDirect)

9	IHS	S™ King	dom® 64	-bit -	Base	Map	-							
М	ар	<u>V</u> iew	<u>P</u> roject	Sun	/eys	C <u>u</u> lture	<u>W</u> ells	Logs	<u>T</u> ops	<u>F</u> aults	<u>H</u> orizons	Gri <u>d</u> s	<u>C</u> ontours	To
	•	Proj	German C ject Invent iventory Contours		Se <u>l</u> e Sun S <u>u</u> n	vey Manag ect Survey vey Subse vey Details a Type Ma	s to Disp t <u>P</u> roper s	olay ties		•	Admin Search Proje		• ⑦	Me
			Control P Culture Faults Formatio Grids Horizons ModPAK PAKnotes Picked In		<u>A</u> ss Sur <u>B</u> ala <u>M</u> is Extr Ge <u>r</u> Ger Slic	vey S <u>h</u> are/ ign 2D Sho vey Annot ance Amp tie Analys act <u>W</u> avel gerate Slice herate Brice e to <u>H</u> oriz eadsheet	otpoints ation litudes is et es k V <u>o</u> lum on		es	•				599 599
			Polygons Survey Su Surveys Well Subs Wells		Imp Imp <u>E</u> xp	timize Dat	l Coordii		ion	+				599
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Step 2 – Re-link 'Application' and 'Log' folders and 'SEG-Y' folder:

The initial screen in seismic direct shows the paths to the 'application' and 'log' folders. When project is not correctly linked they have a red outline:

🥌 Welcome t	o SeismicDirect	×
must be acce	icDirect you must specify the locations for both the application and log files. Th essible to all users of SeismicDirect. If these locations are not specified, the appli	cation will close.
If the location	n of the shared files or SEG Y directories is on a network, use the full network pa e\directory	th:
Required sha	red files	
Application	H:\Kingdom\GEO61_German Cluster\SeismicDirect	Browse
Log	H:\Kingdom\GEO61_German Cluster\SeismicDirect	Browse
Directories co	ontaining SEG Y files	
H:\Kingdor	n\GEO61 <u>G</u> erman Cluster\PortableSeismicDirectFiles\PortableSegyFiles	Add
Learn more a	bout getting started	View Videos
	OK Cancel	Help

Browse to the correct folder locations. They should be in the Kingdom Project structure, e.g. the 'SeismicDirect' folder in that specific structure.

in the second of	to SeismicDirect		
		locations for both the application and log rect. If these locations are not specified, th	
If the location		irectories is on a network, use the full netw	vork path:
Required sha	red files		
Application	V:\Kingdom\GEO61_Germa	Browse	
Log	V:\Kingdom\GEO61_Germa	Browse	
	ontaining SEG Y files m\GEO61 <u>G</u> erman Cluster\Po	ableSeismicDirectFiles\PortableSegyFiles	Add
Learn more a	bout getting started		View Videos
Do not sh		OK Canc	el Help

Also link to the correct directory containing the SEG-Y files. Click on 'OK' when finished.



Step 3 – Update settings in SeismicDirect

Next, click on the settings wheel in the lower right hand corner of the main SeismicDirect window:

🥌 SeismicDirect	Acces into			
		0 0 0		
E	Explore	Prepare	Validate	
E temp	ualize your SEG Y Data and create plates for attaching Kingdom projects	Define key parameters and relationships to attach to Kingdom projects	Validate positiona geometry, and dat type to version relationships	
(\mathcal{O}			
Atta	Attach ch validated SEG Y ata to Kingdom projects			
⋪- 🖂				+ 🗟 🗘 🕐
🥖 Settings		0		
Folders SEG	Y Directories Extensio	ns SEG Y Links Templates		
		n a network, use the full network pat	h: \\compname\director	1
Application Fi	iles			
Location	V:\Kingdom\GEO6	L_German Cluster\SeismicDirect		Browse
	Backup	Restore Move	Set in Project	
		_		
Logs				
Location	V:\Kingdom\GEO6	L_German Cluster\SeismicDirect		Browse
	Move			-
	IVIOVE			
Backup				Browse
	Backup	View Backup Files		
		ОК	Cancel	Help
				. di

The locations of the 'application' and 'log' folders are updated following Step 2. Click on the 'Set in Project' button to save these locations in the Kingdom Project. The following message will appear.





Click 'OK' to proceed to the next step.

Step 4 – Scanning and updating 'SEG-Y' links

Go to the 'SEG-Y links' tab:

Settir	ings	
Folders	s SEG Y Directories Extension: SEG Y Links Templates	
Selecte	ed surveys:	
	Survey	V
V	GE061	
-	E	Run Scan
	OK Cancel	Help

Click on 'Run Scan'. The next window will show all the SEG-Y file that have missing links:



Survey Name	Seg Y File name	Stored Location	
GE061	SBP_M001_01_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	 =
GE061	SBP_M001_02_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M001_03_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M002A_01_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M002_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M003_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M004_01_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M005_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M006A_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M007_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M008A_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M009_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M010_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M011_01_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M011_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	 -

Click on 'browse' and select the correct folder containing the SEG-Y files. The program will assess correctness of the new links. This can take a couple of minutes.

You will get the following message, indicating that all SEG-Y's are successfully relinked:

					_
Specify new direct Specify directory f		e following m Browse	islinked files at the entire list, group, or individual file level.		
Survey Name	Seg Y File	name	Stored Location		
			All files were successfully relinked		
			Save Close	Help	

Click on 'Close' and exit Seismic Direct.

In the Kingdom Suite project environment you should now be able to open a seismic line.