



**TIPS**  
Technical Innovation  
and Professional  
Services

# DATA INTEROPERABILITY



<http://www.tips.osmre.gov/Software/gis/GIS.shtml>

ArcGIS Data Interoperability allows users to manipulate many forms of GIS data despite the native format of the data. With Data Interoperability you may import a particular type of data, manipulate, process and analyze through the ArcGIS desktop environment before exporting it in its original format or one of your choosing.

### SELECTED FEATURES:

- Read more than 100 different formats like GML, XML and various CAD formats and export to over 70 formats
- Create automated conversion processes
- Use the Data Interoperability tool set with all ArcGIS geoprocessing environments, including ModelBuilder

### SOFTWARE:

ArcGIS Data Interoperability

### SMCRA BENEFITS/USES:

- Importing and analyzing data provided by mine operators regardless of format
- Ability to share information with other agencies in the most convenient data format

### TIPS TRAINING CLASSES:

- Introduction to ArcGIS for Mining and Reclamation
- ArcGIS Spatial Analyst for Mining and Reclamation

### NEED HELP ????

Contact: Janine Ferarese  
[jferarese@osmre.gov](mailto:jferarese@osmre.gov)

Description	Short Name	Read	Write	Extension	Coord. Sys.	Type
FME Feature Store File	FFS	[[[	[[[	fs	[[[	File/D
GDMS Dataset	GDMS	[[[	[[[	fs	[[[	File
GeneMap	GENAMAP	[[[	[[[	fs	[[[	File
GEODESYS ShpMap	STRUMAP	[[[	[[[	sgf	[[[	File/D
GeoGraphx CDF (WhiteStar)	WHITESTAR	[[[	[[[	cdf	[[[	File/D
GeoMedia Access Warehouse	FMS	[[[	[[[	mdb	[[[	File
GeoMedia SQL Server Warehouse	FMS_SQL	[[[	[[[		[[[	Dataset
GEOnet Names Server	GEONET	[[[	[[[	nt	[[[	File
GML - Geography Markup Language	GML	[[[	[[[	gml.xml.g	[[[	File/D
GML Simple Features Level SF-0 Profile	GML_SF	[[[	[[[	gml.xml.g	[[[	File/D
GML_support	GML_SUPPORT	[[[	[[[	xml.gml.g	[[[	File
Google Earth Data Exchange (XML)	KML	[[[	[[[	xml.kml	[[[	File/D
GPX	GPX	[[[	[[[	gpx.kml	[[[	File
ICP/IS/Vector Format	ICP/IS	[[[	[[[	vct	[[[	File/D
Intergraph MGE	MGE	[[[	[[[	dgn.cad.d	[[[	File/D
ISO8211	ISO8211	[[[	[[[	dxf	[[[	File
Landmark ZGF	ZGF	[[[	[[[	zgf	[[[	File
Landline (Land Information New Zealand)	LANDONLINE	[[[	[[[	xml	[[[	File
Laser Scan IFF Internal Feature Format (IFF)	IFF	[[[	[[[	iff	[[[	File/D
MapGuide SDL	SDL	[[[	[[[	sdl	[[[	File/D
MapInfo MIF/MD	MIF	[[[	[[[	mif	[[[	File/D
MapInfo TAB	MAPINFO	[[[	[[[	tab	[[[	File/D
Mercator MCF	MCF	[[[	[[[	dto	[[[	File/D
Microsoft Access Database (Attributes Only)	MDB_ADO	[[[	[[[	mdb	[[[	File/D
Microsoft Excel File	>LS_ADD	[[[	[[[	xls	[[[	File/D
MicroStation Design	IGDS	[[[	[[[	dgn.tct.pc	[[[	File/D
MicroStation GeoGraphics V7/V8	GG	[[[	[[[	dgn.cad.d	[[[	File/D
MIF_CF	MIF_CF	[[[	[[[	mif	[[[	File
Montgomery	MONTGOMERY	[[[	[[[	shp	[[[	File



The image shows the ArcGIS Desktop environment. On the left, the ArcToolbox is open, displaying a list of tool categories including 3D Analyst Tools, Analysis Tools, Cartography Tools, Conversion Tools, Data Interoperability Tools, Data Management Tools, Geocoding Tools, Geostatistical Analyst Tools, Linear Referencing Tools, Multidimension Tools, Network Analyst Tools, Samples, and Server Tools. The 'Data Interoperability Tools' category is highlighted. In the background, a map is visible with various data layers. Three callout boxes are overlaid on the map: 'Mapping' at the top right, 'Analysis' at the bottom left, and 'Visualization' at the bottom right.