



Field-Map

The Power of Field-Map Scripting



IFER - Monitoring and Mapping Solutions Ltd.

<http://www.field-map.com>

From an innovative program to a sophisticated development environment

Field-Map Project Manager (version 3.0)

Project Layers Tools Help

Data layers

- Plots (Plochy)
- Trees (Stromy)
- Deadwood
- Stumps
- Shrubs
- Forest_type
- Soil_pit
- Horizon
- Subplots
- TreeLayers
 - Species
 - SampleTrees
 - Damage
 - Afforestation
 - AgeClasses
- Transects

Layer attributes of "Plots"

Attribute name	Attribute type	Required	Visible	Label
PlotSize	Number	False	False	
MaxExpectedDBH_mm	Number	False	False	
MappingType	Number	True	False	
MapProjection	Number	True	False	
MeridConverg_deg	Number	False	False	
Xorig_m	Number	False	False	
Yorig_m	Number	False	False	
Zorig_m	Number	False	False	
BaseMap	String	False	False	
Area_m2	Number	False	True	Area.m2
Perimeter_m	Number	False	True	
Magnetic_decl_deg	Number	False	True	Magn.decl.°
Name	String	True	True	
Altitude_m	Number	False	True	Altitude.m
Owner	Lookup list (numeric ID)	False	True	

Lookup list: (Owner) (global)

ID	Value	Active
0	undefined	True
1	small owner	True
2	medium owners	True
3	large owners	True
4	state	True

Project: d:\data\FieldMap\ilove

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Map Plots Ref. points Trees Deadwood Stubs Regeneration Point_Regeneration Proj_Regeneration

What can be controlled

- ▶ Access, validate and manipulate Field-Map data
- ▶ Access, validate and manipulate Field-Map GIS data
- ▶ Access and change Field-Map project options
- ▶ Control the appearance and behaviour of Field-Map forms
- ▶ Add and expand the interface of Field-Map project
- ▶ Access data from external sources, export data
- ▶ Measurement and support of devices
- ▶ Synchronization control

General functions, procedures and properties

- ▶ Strings
- ▶ Math & Statistics
- ▶ Conversions
- ▶ Arrays
- ▶ Text file
- ▶ Lists
- ▶ Date
- ▶ Handling exceptions
- ▶ Database
- ▶ XML
- ▶ GIS
- ▶ Registry
- ▶ System

General functions, procedures and properties

- ▶ Message boxes
- ▶ Input from user interface
- ▶ Logs
- ▶ Progress bar
- ▶ Navigator
- ▶ Button management
- ▶ Data Collector options item
- ▶ Screen resolution
- ▶ Colors
- ▶ ComboPanel

Special functions, procedures and properties

- ▶ SpeciesGroups
- ▶ StemProfile
- ▶ VolumeModels
- ▶ ValueDialog
- ▶ Reclassification

Wrappers

- ▶ Classes which "wraps" or "encapsulates" the functionality
- ▶ Provide a level of abstraction from the implementation of the underlying class or component
- ▶ Simplify the use of the underlying objects

Wrappers

- ▶ PROJECTWRAPPER
- ▶ LAYERWRAPPER
- ▶ TABLEWRAPPER
- ▶ ATTRIBDEFSWRAPPER
- ▶ POINTWRAPPER
- ▶ POINTSWRAPPER
- ▶ LINEWRAPPER
- ▶ POLYGONWRAPPER
- ▶ RECLASSIFICATIONWRAPPER
- ▶ VOLUMEMODELSWRAPPER
- ▶ STEMPROFILE
- ▶ SPECIESGROUPS
- ▶ EXCELWRAPPER
- ▶ SCRIPTORGANIZER

Global variables

- ▶ Visible among all the scripts until FieldMap is closed or until the variable is explicitly removed

Script organizer

- ▶ Enables to create and show a floating window with particular scripts organized into groups and run the scripts directly from the window

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- ▶ Access, validate and manipulate Field-Map data
- ▶ Access, validate and manipulate Field-Map GIS data
- ▶ Access and change Field-Map project options
- ▶ Control the appearance and behaviour of Field-Map forms
- ▶ Add and expand the interface of Field-Map project
- ▶ Access data from external sources, export data
- ▶ Measurement and support of devices
- ▶ Run and post files to synchronization

Thank you for your attention



Field-Map