

GIS software	Data hierarchy in comparison with GRASS GIS	Has startup screen? Ans if so, is always displayed? How does it look like?	Features for enhancing first-time user experience
ArcGIS Pro 2.4	<b>Project</b> - similar to GRASS workspace, each project has its own database in which we store data	<b>Yes</b> , startup screen always displayed	<b>Startup screen</b> - very straightforward and provides four different types of templates  <b>Main software window</b> - no features that should specifically help the first-time user
	<b>Map</b> - associated with Map Window, possible to have several Maps (Map Windows)	Open options: Open recent projects, open another project	
	<b>Map</b> - has one CRS similarly as GRASS location but can contain <b>layers</b> with different CRS which are on-the-fly transformed to the Map's CRS	Create options: Blank Templates (Map, Catalog, Global Scene, Local Scene, Start without template (can be saved later)	
GeoMedia Advantage 2020	<b>GeoWorkspace</b> - as GRASS workspace	<b>Yes</b> , always displayed. It has a form of small dialog box for selecting GeoWorkspace file	<b>Startup screen</b> - this is only a dialog box for selecting a GeoWorkspace file
	<b>Warehouse</b> (.mdb) - has the character of a database. You need to define it first, then connect to it. It has a clearly defined coordinate system, ie a similar role as GRASS location. One GeoWorkspace file can have multiple Warehouses attached.	Open options: Open an existing GeoWorkspace file	The software provides two GeoWorkspace templates
		Create options: Create a new GeoWorkspace file using Blank file or Template.	<b>Main software window</b> - It does not provide any elements that would help a newcomer to start. Connection of warehouses is very unintuitive and just displaying an ordinary shapefile costs a lot of effort.
MapInfo 2019	<b>Workspace</b> - as GRASS workspace	<b>Yes</b> , startup screen always displayed, occupies the entire computer screen	<b>Startup screen</b> - very straightforward, provides Getting Started info, MapInfo News, hyperlink to connect with User Groups
	<b>Map</b> - associated with Map Window, possible to have several Maps (Map Windows)	Open options: Open blank workspace, recent workspaces, sample workspace, last saved session (not for first-time user)	<b>Furthermore, it</b> provides one very comprehensive Washington DC Sample
	<b>Map</b> - has one CRS similarly as GRASS location and contained layers have the same CRS		<b>Main software window</b> - no features that should specifically help the first-time user, all is included in startup screen