GIS software	Data hieararchy in comparison with GRASS GIS	Has startup screen? Is always displayed? How does it look like?	Features enhancing first-time user experience
ArcGIS Pro 2.4	**Project file (.aprx)** - similar to GRASS workspace (.gxw)	**Yes**, startup screen always displayed	**Startup screen** - very straightforward and provides four different types of templates
	Map - associated with Map Window, possible to have several Maps (Map Windows)	Open options: Open recent projects, open another project	
	Map - has one CRS similarly as GRASS location but can contain **layers** 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 withnout template (can be saved later)	**Main software window** - no features that should specifically help the first-time user
GeoMedia Advantage 2020	**GeoWorkspace file (.gws)**- as GRASS workspace (.gxw)	**Yes**, always displayed. It has a form of small dialog box for selecting GeoWorspace file	**Startup screen** - this is only a dialog box for selecting a GeoWorkspace file
	Warehouse (.mdb) - has the character of a location. You need to define it first, then connect to it. It has a clearly defined coordinate system. 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,	**Main software window** - 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	**Workspace file (.wor)** - as GRASS workspace (.gxw)	**Yes**, startup screen always displayed, occupies the entire computer screen	**Startup screen** - very straightforward, provides Getting Started info, MapInfo News, hyperlink to connect with User Groups
	Map - associated with Map Window, possible to have several Maps (Map Windows)		**Furthermore, it** provides one very comprehensive Washington DC Sample
	Map - has one CRS similarly as GRASS location and contained layers have the same CRS	Open options: Open blank workspace, recent workspaces, sample workspace, last saved session (not for first-time user)	**Main software window** - no features that should specifically help the first-time user, all is included in startup screen