

It is relatively simple to define milestones for an iterative software development project. A milestone occurs at the end of each iteration. In the case of AstroGrid, we have initially decided upon three-month iterations, so our milestones will occur as in the following table. For each milestone, we have listed the components most changed in that iteration and the functionality to be delivered.

In this revision of the IterationDeliverablesR01 original, the column **Status** defines whether the milestone can be considered delivered or not as at the beginning of Iteration 05 (Feb-2004). Note that each iteration will redefine the deliverables required and so the table below should be seen merely as a **comment** upon our original estimate of what the project might deliver; for an accurate view of the goals for each iteration, please refer to the OversightPage.

Itn	Date	Component	Functionality	Status
01	31-Mar-2003	Portal	Portlet template & API	<i>n/a</i> : portlets are dropped; all screens will be full pages
			General portlets: Login & News	login: <i>done but still under revision</i> news: <i>not done</i>
		Workflow	Portlet: Interactive registry query	<i>done</i>
			Activity logging	<i>done</i> : using Log4J
		Registry	Schema developed and published	<i>done</i> : under IVOA
			Can store metadata on Data Centres & Datasets	<i>done</i>
			Returns results of simple query (structure <i>tbid</i>)	<i>done</i>
		AstroMQ	Pass-through stub	<i>n/a</i> : not currently using MQ; may bring this back into project
02	30-Jun-2003	Community	Portlet: Community management	<i>done</i>
		AstroPass	<i>Design document</i>	<i>not done</i> : planned for Itn05
		Workflow	Portlet: Interactive data query	<i>not done</i> : planned for Itn06
			Make results available for download	<i>not done</i> : planned for Itn05
		Registry	Portlet: Registry management	<i>done</i>
			Can store metadata on communities & people	<i>done</i> : but separate storage
		Data Centre	Allow access to dataset	<i>done</i>
		Dataset Access	Execute query and return results	<i>done</i>
03	30-Sep-2003	Portal	Portlet: AstroPass login	<i>not done</i>
		AstroPass	Username/password login	<i>not done</i> : planned for Itn06
			Store user metadata: contact details, preferences	
			User determines level of details released to each site	
		Job Control	<i>Design document</i>	<i>n/a</i> : JES supersedes this
		Registry	Portlet: add management features	<i>done</i>
		MySpace	Store query results (single site)	<i>done</i>
			<i>Design document</i> for multi-site storage	<i>not done</i> : multisite delivered originally
		Data Centre	Create web service for data routing	<i>n/a</i> : routing part of myspace and JES
		AstroMQ	Implement	<i>see above</i>
04	31-Dec-2003	Workflow	Portlet: Job creation (accessing single dataset) & submission	<i>done</i> : template based only
		Job Control	Portlet: Job monitoring	<i>not done</i>
		Registry	Store data access policies	<i>not done</i> : cannot tackle this until IVOA standard agreed
			Portlet: add policy management	<i>n/a</i> : see above

		MySpace	Portlet: Multisite Explorer	<i>done</i> : multisite is normal, but screen will be revised substantially
			Upload own data	<i>not done</i> : planned for Itrn06
		Data Centre	Expand interface to implement data policy & permissioning	<i>not done</i>
		Astronomical Tools	Package simple (non UI) tool	<i>done</i> : several tools developed already
05	31-Mar-2004	Community	Interoperability: two communities exchange data	
		Workflow	Portlet: add: Recall previous job & Multi-site job submission	
		Job control	Portlet: add: multisite control	
		MySpace	Allow database/table storage (incl conversion)	
		Data Centre	Validate query credentials before execution	
			Add warehousing facilities (database & analysis functions)	
		Dataset Access	Query includes creation of warehouse for in-depth analysis	
		Data Federation	Federate query results	
		Visualisation	Generate jpg/gif for online viewing	
06	30-Jun-2004	Portal	User-defined portlet layout	
		AstroPass	User uploads certificate	
			User certificate used in place of AstroPass proxy	
		Job Control	Interoperability: include function outside of AstroGrid	
			Allow interjob pipeline for data transfer	
		Registry	Interop protocols implemented: search across multiple registries	
		Data Centre	Validation of query using user certificate	
		Dataset Access	Upload own algorithm and include in job	
		Astronomical Tools	Data converters	
07	30-Sep-2004	Portal	Portlet: API allows custom UI	
		Workflow	Automatically insert data converters	
		Visualisation	Interface with desktop tools	
		Astronomical Tools	Package UI tools for portlet use	

We imagine that Iteration 08 (to complete by 31-Dec-2004) will be mainly concerned with implementing AstroGrid in at least two data centres and fixing any issues that this raises.

-- TonyLinde - 17 Feb 2004