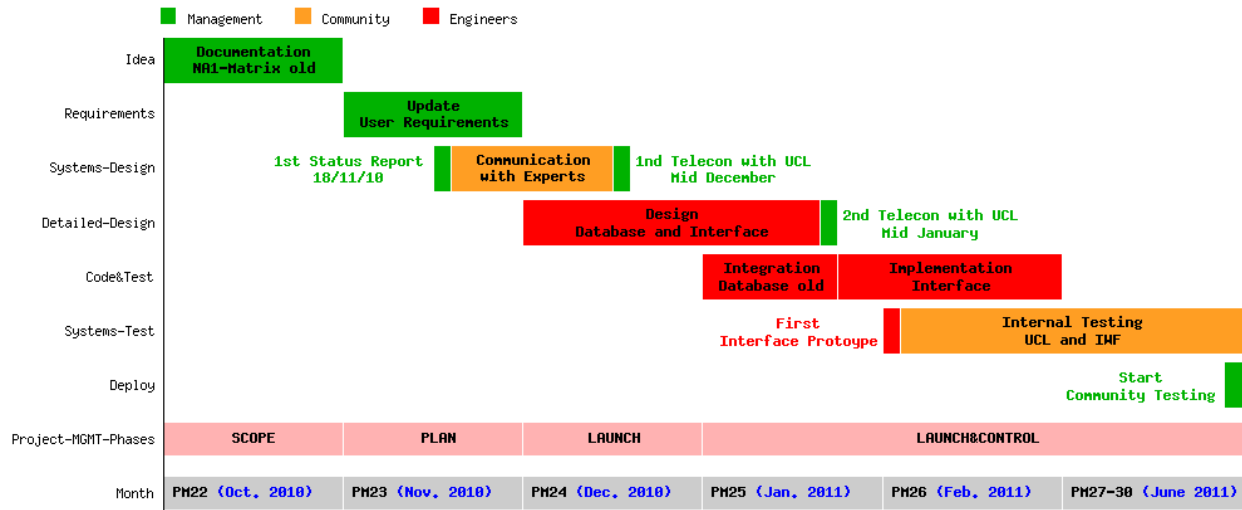


NA1 Matrix Re-Implementation:



- [EditNA1Timeline](#)

- **Project lifetime:** 4 months (1. November 2010 - 28. February 2011)

- **Increase to 07. FTE:** 12 x 8hrs for Implementation

1. Documentation of existing NA1- Matrix (Functions and Structure) **until 1. November 2010**
 - 1st Status Report **18. November 2010**
2. Update of the User Requirements below **from 1. November 2010 till End of November 2010**
 - 1st Telecon with UCL **End of November 2010**
3. Communication with Experts **from Mid of November 2010 till Mid of December 2010**
 - 2nd Telecon with UCL **Mid of December 2010**
4. Design Database and Interface **from Mid of November 2010 till End of December 2010**
 - Integration Database old **from Mid of December 2010 till End of December 2010**
5. Implementation Interface from **1. January 2011 till End of January 2011**
 - Backend and Frontend Interface
 - Search Interface (Frontend)
 - User Logging System (Backend)
6. Testing Phase and Updates from UCL-Students **from Mid of January 2011 till Mid February 2011**
 - Release of Matrix **between Mid of February 2011 and 28. February 2011**

Intermediate Requirements and Questions:

- **General Workflow on Dataintegration: Questionnaire -> Approval -> Manual Insert by IWF or UCL (by user logging)**
 - Indication on who is responsible for the entry? (UCL or IWF)
 - Possibility of editing existing entries, when logged on backend
 - Security Mechanisms like PHP Form + Captcha etc.
- **Comments on Research Areas, Classification by UCL or IWF? (other Research Areas are possible to enter)**
- **Comments on Science Goals, Classification by UCL or IWF? (other Science Goals are possible to enter)**
- **Development of a online-questionnaire:**
- **Decision on what information of ground-based observatories the database should contain**
- **Decision on what information of space-based missions the database should contain**
- **Catalogue similar to ICPM/DAT Interface**
 - Additional Features: Update/Edit Form, Accounting System, Pictures?
 - Standard Format for Entries? (Manual APPROVAL)
 - BACKEND + FRONTEND
- Which Menu Items on the front page? (**LATER**)
- **Research Areas dropdown menu (+ new, other areas) (LATER)**
- Better browsing (not by hitting search) (**LATER**)
 - Which Infos need to be in the browsing overview list? (despite of the details, which may be obtained by clicking on one entry)
- **How do we search efficiently for an Observatory to support a specific scientific observation? (see Use Cases)**
 - Common search tools for observatories, space missions + models? (JRA3 -> NA1)
 - Filters where needed -> Which Categories?
 - Is Hardware needed?
 - Country, telescope types, geographic position, research areas, kind of observatory (radio, optical...), contacts
 - **Geographic Links via GPS-Coordinates? (Google Maps)**
 - **Locator:** <http://code.google.com/apis/maps/articles/phpsqlsearch.html>
 - **Geohack:** <http://toolserver.org/~geohack/>
 - **Latitude (E/W) / Longitude (N/S)** <http://www.worldatlas.com/aatlas/imageg.htm>
 - Conventions for geographic coordinates (Google Style)
 - Entry -> Conversion (float 10,6)
- **Structure of the DATABASE: (see Database Checklist)**

