**Functional Roadmap**

*Companion doc to Technical Roadmap*

**COmanage Product Roadmap (Functional)**

COmanage, a collaboration management platform, has been in progress for several years. We have explored many ways of solving some of the complex problems around allowing the tools used for collaboration - wikis, mailing lists, and more - to interoperate in a federated environment for organizations that have no brick-and-mortar defining them. As the work continues, we have laid out the plans for the next several years, focusing our efforts on two large collaborative organizations (CO) - LIGO and iPlant - and any smaller CO interested in the tools and methodologies we are developing.

**Primary Market** = Large inter-institutional research groups and collaborative organizations  
**Secondary Markets** = education and research-related committees, small inter-institutional research groups and collaborative organizations

**Already completed in the COmanage effort**

- Creation and demonstration of prototype instances  
- Evaluation of possible downloadable/VM instance  
- Initial collaboration with international groups  
- NSF grant approval (*Award 1032468*)  
- Creation of a REST API for authentication and group provisioning  
- Several requirements gathering session with initial CO (LIGO, iPlant)  
  - *Generalized strategy* for what all VO will need to consider, based on experience with participating CO

**Expected deliverables**

**Year one (2010-2011)**

- Complete initial requirements gathering from participating CO *DONE*  
- Develop a *Registry of Domesticated Applications* *DONE*  
- Within the primary CO, COmanage will be implemented with appropriate UI for the CO *IN PROGRESS*  
- Extensive outreach with other international collaborative platform efforts *ESTABLISHED*  
- Web services presentation of COmanage services for use by other applications, gateways, portals, etc. *DONE*  
- Presentations will be made at Internet2 member meetings and the LIGO and iPlant all-hands meetings or other CO-appropriate forum *DONE*

**Year two (2011-2012)**

- Additional federated SSH architectures and implementations will be added to the toolkit, leveraging work within IETF and in Project Moonshot *IN PROGRESS*  
- Create a flexible enrollment workflow to bring individuals in to COmanage *IN PROGRESS*  
- Develop OpenSocial toolkit for other COs and tools to present COmanage *See the CoCoA effort*  
- Hold an international meeting with CO architects and developers to discuss specific and unique IAM needs in the research collaboration environment *DONE*

**Year three (2012-2013)**

- Privilege management basics within Grouper for leveraging within COmanage  
- Demonstrate an active, production instance of COmanage within a participating CO  
- A toolkit for CO  
- General release of COmanage (v1.0)  
- Create a business model for a service instance, and determine levels of support with/for the participating CO  
- Review progress and status and report back to funding agencies, international collaborators, and other interested parties on lessons learned, successes and failures of COmanage effort

**Out of initial scope (but still on the list)**

- Customizations based on secondary markets  
- Support of domain-specific tools within a COmanage instance