

*Project Plan*

# Open Library for Local Learning Communities (OL3C)

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## *Project Outline*

# **Open Library for Local Learning Communities (OL3C)**

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## **Impact statement**

All "left out" people are able to participate fully in the processes of their own development, in terms of their own language, culture, ethnicity, gender, and/or age group.

In order to achieve this impact, the project must first achieve the outcomes listed below. Each outcome in turn depends on achieving the outputs listed below it. For each output there is then a list of activity sets that are planned in order to achieve it.

## **Outcome 1: Global infrastructure**

*There is a common global infrastructure that supports the needs of development agencies and local learning communities for resources, training, and support.*

### **Output 1.1: Library system**

Development agencies and local learning communities alike are using the Open Library for Local Learning Communities (OL3C) to share both resource shells and localized editions.

- 1.1a *Shellbook repository*. Implement the central store of Shellbooks in internal format which maintains the derivation relationships and the reuse of components.
- 1.1b *Shellbook archive*. Implement the generation of the public access PDF format of each Shellbook and its automatic upload to a collection at the Internet Archive.
- 1.1c *Library home*. Create the web site of the Open Library for Local Learning Communities.

- 1.1d *Global index*. Implement browsing and search over the entire Shellbook collection by geography, language, subject, and educational level.
- 1.1e *OLAC search*. Implement a metadata feed following the Open Language Archives Community standards so that the OL3C can take advantage of the search services offered by OLAC.
- 1.1f *Administrative functions*. Implement the web site functions that will allow an OL3C administrator to manage agency memberships and metadata standards.
- 1.1g *Curation functions*. Implement the web site functions that will allow an agency's curator to manage its contributions to the library and to track its participating individuals and field centers.
- 1.1h *Library functions*. Implement the updates to the Shellbook Maker client that will allow it to "dock" with the OL3C web site to download Shellbook resources and to upload derived results.
- 1.1i *Agency portals*. Implement the capacity for each member agency to have an entry point on the OL3C web site (with its own branding) that shows just its contributions to the collection.
- 1.1j *Internationalize interface*. Implement capacity for multiple major-language versions of the OL3C web site.
- 1.1k *Maintain system*. Fix and enhance the Library System in response to high priority needs discovered during agency and LAMP center testing.
- 1.1l *Maintain client*. Fix and enhance the Shellbook Maker client in response to high priority needs discovered during agency and LAMP center testing.

## Output 1.2: Model shells

There is a basic collection of at least 100 prime and regional resource shells that are models of Shellbook best-practice and are available early so that localization can begin in earnest when the library opens.

- 1.2a *ECCD shells*. Create 11 story shells, one for each section of World Vision's *Early Child Care and Development* curriculum.
- 1.2b *LYLS shells*. Create 12 story shells, one for each module of the *Let Your Light Shine* curriculum on caring for children affected by HIV.
- 1.2c *HTWOT shells*. Create 11 story shells, one for each chapter of *Healing the Wounds of Trauma*.
- 1.2d *CVM shells*. Create about 6 shells from materials by the Christian Veterinary Mission.
- 1.2e *MTB-MLE shells*. Create about 35 shells for Mother Tongue-based

### Multilingual Education.

- 1.2f *WV-EPM shells*. Create about 12 shells for selected World Vision Education Project Models.
- 1.2g *Emergent content*. Create at least 13 more shells for other important topic areas that emerge during the project.
- 1.2h *Regional shells*. Translate the above shells into 4 regional languages each.
- 1.2i *Kande's story*. Upgrade the 5 story shells to add best-practice helps and convert the translations into over 100 local languages into Shellbook file format.

## Output 1.3: Training resources

Development agencies and LAMP Centers have access to the training resources they need for learning how to originate resource shells, to make derived editions, to train localization facilitators, and to use the OL3C library system.

- 1.3a *OL3C introduction*. Develop a brief, general introduction to OL3C.
- 1.3b *OL3C overview*. Develop training materials giving basic orientation to the Shellbook method, the OL3C system, the Community of Practice, and Shellbook software.
- 1.3c *Origination training*. Develop training materials on how to create Shellbooks for optimal target audience impact.
- 1.3d *Regionalization training*. Develop training materials on the rationale, principles, and practice of regionalizing both Translation and Localization Prime Resource Edition shells.
- 1.3e *Localization training*. Develop training materials on how to start, operate, and support community-based localization, translation, and micro-publishing programs.
- 1.3f *Curation training*. Develop training materials for agency curators on how to manage an agency's contributions to the library and to track its participating individuals and LAMP centers

## Output 1.4: Community of Practice

A self-sustaining consortium of all the agencies participating in the OL3C is functioning as a community of practice to share results, promote best practices, establish standards, and make strategic decisions regarding the future of the OL3C and its services.

- 1.4a *Community process*. Develop a process by which the community of practitioners develops and agrees on shared statements.
- 1.4b *Best practices*. Develop best practice statements on crucial issues

identified by the community.

- 1.4c *Metadata standards*. Develop the standard vocabularies for indexing the contents of the global library in a consistent way.
- 1.4d *Certification standards*. Develop the standards by which participating individuals and agencies will be certified as to their competence to fill certain roles within the learning localization process.
- 1.4e *Web space*. Develop the web space which will be the online home for sharing and collaboration within the community of practice.
- 1.4f *Feedback process*. Develop a means for maintaining a list of all suggestions for improvements to tools, standards, practices, and so on.
- 1.4g *Prioritization process*. Develop a means by which the community determines priorities for action among the competing requests for attention in the feedback process.
- 1.4h *Formalize consortium*. Develop plans for formalizing the consortium and take action when appropriate.

## **Outcome 2: Resource sharing**

*OL3C member agencies are producing their teaching and learning materials as Shellbook prime editions and regional editions, and are sharing them openly using the OL3C library system.*

### **Output 2.1: Agencies capable**

All the member agencies have the capacity they need to effectively exploit the OL3C and Shellbook solutions.

- 2.1a *Agency alpha test*. Pilot test first version of training materials (and the library system as far as it exists) with Innovator agencies that want to produce original shells and evaluate results.
- 2.1b *Agency beta evaluation*. Test the revised versions of training materials (and the rest of the infrastructure) with Early Adopter agencies that want to produce original or regional shells and perform an evaluation of the OL3C infrastructure.
- 2.1c *Agency production*. Upload all resources developed by agencies during testing phases to the library.
- 2.1d *Agency final evaluation*. After deployment of the entire infrastructure, conduct evaluation among participating agencies as to how well it is working.

### **Output 2.2: Agencies participating**

All the agencies who are promoting localized learning are functioning as members of the OL3C consortium.

- 2.2a *Promotional materials*. Create basic promotional materials about the OL3C for posting on web site and distribution at events.
- 2.2b *OL3C book*. Produce a short Open Access book for free download and for print on demand that advocates for localization and describes how it is done using Shellbook and the OL3C.
- 2.2c *Potential members*. Compile a list of major mission and development agencies which are potential participants.
- 2.2d *Membership drive*. Contact potential partners to introduce them to the OL3C and encourage them to join the consortium.
- 2.2e *OL3C outreach*. Make presentations at various conference venues, including conducting OL3C-specific events.

## **Outcome 3: Localization happening**

*Local learning communities are using the OL3C library system to find resources they want to localize, are successfully creating local editions, and are archiving their outputs in the OL3C library system.*

### **Output 3.1: LAMP centers**

Localization And Micro-Publishing (LAMP) centers are appropriately trained and equipped (including being connected to the online OL3C system) and are operating in locations that local learning communities are in contact with.

- 3.1a *LAMP guidelines*. Develop guidelines for the equipping and staffing of a LAMP center.
- 3.1b *Micro-enterprise strategy*. Develop a LAMP center strategy with micro-enterprise development agencies and other interested partners.
- 3.1c *LAMP alpha test*. Pilot test first version of localization training materials (and the library system as far as it exists) with Innovator agencies that want to establish early LAMP centers.
- 3.1d *LAMP beta evaluation*. Test the revised versions of localization training materials (and the rest of the infrastructure) with Early Adopter agencies that are ready to establish LAMP centers and perform an evaluation of the OL3C infrastructure.
- 3.1e *LAMP production*. Upload all local editions produced by LAMP centers during testing phases to the library.
- 3.1f *LAMP final evaluation*. After deployment of the entire infrastructure, conduct evaluation among participating LAMP centers as to how well it is working.

### **Output 3.2: Localization facilitation**

LAMP Centers are facilitating Shellbook localization in local learning communities and helping them to build their own localization capacity.

- 3.2a *Localization evaluation.* Conduct an evaluation in a number of local communities as to the effectiveness of the Shellbook approach to localized learning.
- 3.2b *Research publication.* Produce an article reporting the findings of the localization evaluation.

## *Complete Plan*

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## Impact statement

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## Outcome 1: Global infrastructure

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### Output 1.1: Library system

Development agencies and local learning communities alike are using the Open Library for Local Learning Communities (OL3C) to share both resource shells and localized editions.

- 1.1a *Shellbook repository*. Implement the central store of Shellbooks in internal format which maintains the derivation relationships and the reuse of components. [Responsibility: [MAF](#) in [Y1.Q1](#)]

The Shellbook Maker client is implemented in Java. (See the source code repository at <https://dev.shellbook.com/shellbook/>.) At its heart is a database implemented with the open-source H2 database engine (<http://www.h2database.com/>). The database holds the Shellbook documents decomposed into their various content elements. The metadata includes the rights management data (for the book as a whole as well as for individual elements) and the genealogical relationships between books (that is, the fact that one book is derived from another). In the derivation process, content elements that are reused are simply pointed to in place, rather than being copied. Thus, the database normalizes the storage of content that is reused across hundreds of derivative works.

The content elements maintain their unique identity when books are exported to the XML Shellbook Export Format, so that when they are loaded by another client, elements that are already present in that client's database are not recreated. The database within any installation of the Shellbook Maker client may contain any number of interrelated books. The point of this project activity is to implement a central instance of the same database to serve as the heart of the library system. It will hold all known Shellbooks and their derivation relationships.

#### *Tasks*

- Review the database schema for the Shellbook Maker client to identify modifications that will be needed for the central repository.
- Design an API through which the library web pages will interact with the repository database.
- Instantiate the database and implement the API.

- 1.1b *Shellbook archive*. Implement the generation of the public access PDF format of each Shellbook and its automatic upload to a collection at the Internet Archive. [Responsibility: [MAF](#) in [Y1.Q2](#)]

The Shellbook Repository is the global repository of the source format of all shellbooks. We also need a global repository of the presentation formats of the shellbooks. Since the focus of the Open Library is open access content, we can use the Internet Archive (<http://www.archive.org/>) for this purpose. As a free service to the public, the Internet Archive provides a robust scaleable archive for long-term preservation that has high bandwidth access. It has a Contribution Engine that supports automated upload of data with its associated metadata (<http://www.archive.org/help/contrib-advanced.php>). As an archive in its own right, with its own search services (e.g. <http://www.archive.org/details/texts>), the Internet Archive will provide additional ways for the public to discover and access library content beyond what we implement specifically at the OL3C web site.

*Tasks*

- Implement the functionality on the Shellbook Repository that automatically generates the PDF rendering of a shellbook when it is submitted to the repository.
- Establish the OL3C collection at the Internet Archive and design the metadata package to be used with contributions.
- Implement the automatic deposit of newly generated PDFs to the Internet Archive.

- 1.1c *Library home*. Create the web site of the Open Library for Local Learning Communities. [Responsibility: [MAF](#) in [Y1.Q3](#)]

The ol3c.org web domain has been reserved and a placeholder web site can be found at <http://www.ol3c.org/>. The purpose of this activity is to do an overall design of the site and implement the home page and other foundations.

*Tasks*

- Finalize the logo, color scheme, and other aspects of the graphic design.
- Design the basic navigation scheme for the site.
- Implement the home page, about page, and other static pages.

- 1.1d *Global index*. Implement browsing and search over the entire Shellbook collection by geography, language, subject, and educational level. [Responsibility: [MAF](#) in [Y1.Q3](#)]

The complete catalog of the contents of the library is contained in the Shellbook Repository database. Each book contains open-ended metadata like title, authors, date, and keywords, as well as closed-list metadata like language, subject, education level, and sponsoring agency. We can support browsing by areas and countries by using the language and country index data downloadable from Ethnologue (<http://www.ethnologue.com/codes/#structure>). Examples of sites that have used this data to build geographic browsing of languages are the Ethnologue ([http://www.ethnologue.com/country\\_index.asp](http://www.ethnologue.com/country_index.asp)), Find-a-Bible at the International Forum of Bible Agencies ([http://www.forum-intl.net/find\\_a\\_bible/](http://www.forum-intl.net/find_a_bible/)), and the Open Language Archives Community (<http://www.language-archives.org/>).

The easiest way to provide searching over the entire collection is to exploit the Google search engine and use a Google site search. This is, for instance, how the Ethnologue implements site search (<http://www.ethnologue.com/>). The secret to ensuring that site search also works as a catalog search is to have every shellbook generate a dynamic page that displays all of its metadata. These pages are needed anyway as a landing point for the browsing pages which will provide lists of all the shellbooks relevant to a particular language or subject or educational level. As long as every individual shellbook page is pointed to by at least one of the browsing pages, we can be assured that every shellbook will be found and indexed by the Google crawler.

### Tasks

- Implement the full-detail page for displaying the metadata for a shellbook.
- Create a Google site search box on the OL3C home page.
- Implement browsing modeled on the above examples that goes from world areas to countries to languages to shellbooks.
- Implement browsing by subject and educational level.

- 1.1e *OLAC search*. Implement a metadata feed following the Open Language Archives Community standards so that the OL3C can take advantage of the search services offered by OLAC. [Responsibility: [MAF](#) in [Y2.Q1](#)]

The Open Language Archives Community (<http://www.language-archives.org/>) is a network of more than 40 institutions who are using the Open Archives Initiative Protocol for Metadata Harvesting (<http://www.openarchives.org/OAI/2.0/openarchivesprotocol.htm>) to create a pooled catalog of resources in minority languages. Once an institution has formatted its catalog entries in accordance with the OLAC standards, three different search services are instantly available:

- Each catalog record is written to its own web page (e.g., <http://www.language-archives.org/item/oai:sil.org:23076>) which has a link back to the sponsoring institution's catalog entry as Description and a link to the online resource itself as Identifier. These pages are indexed by the Google search engine. This means that when a Google search hits on specific terms in a shellbook's metadata, it will find the OLAC item page which will lead the user to the OL3C and the shellbook itself.
- Each resource is added to the list of known resources for the given language (e.g., <http://www.language-archives.org/language/bcu>). These language index pages are also indexed by Google and incorporate search terms for alternate names of the language and for known dialect names. Therefore anyone doing a Google search for a minority language is bound to find this page (regardless of the language name they use) and then discover the shellbooks in the language.
- The state of the art in advanced search is "faceted search" ([http://en.wikipedia.org/wiki/Faceted\\_search](http://en.wikipedia.org/wiki/Faceted_search)). The entire OLAC collection is featured in a faceted search service at the University of Pennsylvania. This can be entered with a URL that selects just the holdings of one participating archive (e.g., [http://syslsl01.library.upenn.edu/dla/olac/search.html?fq=archive\\_facet%3A%22SIL%20Language%20and%20Culture%20Archives%22](http://syslsl01.library.upenn.edu/dla/olac/search.html?fq=archive_facet%3A%22SIL%20Language%20and%20Culture%20Archives%22) for the SIL archive). The search facets on the right hand side of the screen are then customized to the exact metadata values that are used in that collection. For instance, "Publisher" would contain the list of OL3C agencies with the count of their submissions in parentheses.

### Tasks

- Implement the conversion of the OL3C metadata into a metadata repository following the OLAC standard (<http://www.language-archives.org/OLAC/repositories.html>) and register it with OLAC

(<http://www.language-archives.org/register/register.php>).

- Create an advanced search page on the OL3C site that explains how to use the faceted search at U Penn on the OL3C collection, and then gives the link with the OL3C collection preselected.

- 1.1f *Administrative functions*. Implement the web site functions that will allow an OL3C administrator to manage agency memberships and metadata standards. [Responsibility: [MAF](#) in [Y1.Q3](#)]

Operating the Open Library web site requires a Library Administrator who will perform two basic sets of functions:

- Registering new agencies as members of the OL3C and granting them authorization to begin using the system. The latter involves issuing credentials to their Agency Curator upon certification as being ready to assume the role.
- Keeping the standard code lists up-to-date. These are the standard pick lists for language, subject, and educational level that ensure interoperability over all library contents for the global library index.

#### *Tasks*

- Design and implement any modifications to the database that are needed to support these functions.
- Design and implement the web pages for managing agency registration and curator authorization.
- Design and implement the process for updating the language code list (with the associated country index information) by uploading the latest versions from the Ethnologue web site (<http://www.ethnologue.com/codes/>).
- Design and implement the web pages for managing the subject list and the educational level list.

- 1.1g *Curation functions*. Implement the web site functions that will allow an agency's curator to manage its contributions to the library and to track its participating individuals and field centers. [Responsibility: [MAF](#) in [Y1.Q4](#)]

Each member agency must have at least one participant who is designated as its curator. The curator helps to ensure quality control for the agency. All agency staff who use Shellbook Maker may upload new submissions for that agency, at which point they enter into a workflow which requires that the curator review and accept the submission before it enters into public view within the library. This process may involve rejecting the submission or correcting the metadata.

The agency curator also functions to keep track of the agency's Shellbook capacity. This involves the following responsibilities:

- Registering the Certified Programs for which the agency authorizes use of the Shellbook Maker software. This involves recording information about the location and capacity of the associated Localization and Micro-Publishing (LAMP) center.
- Registering the Certified Participants who are staff or affiliates of the agency, thereby enrolling them as members of the OL3C's

community of practice. For each participant, their location is tracked (in terms of the Certified Program they work with) and their qualifications are tracked (in terms of the specific OL3C Certifications they have attained).

- Managing the agency-specific customizations for the agency's portal (to be implemented in [1.1i Agency portals](#)).
- Managing the agency's contribution of Supporting Resources to the community of practice, which includes managing the metadata that identifies the language they are in and the OL3C certification to which they are relevant (to be implemented in [1.4e Web space](#)).

#### *Tasks*

- Implement email notification to the appropriate curator when a new submission is uploaded.
- Design and implement the web pages for allowing the curator to review pending submissions, update metadata as needed, reject or accept submissions, and hide deprecated resources. (The latter cannot be removed since there are likely to be derivatives that depend on them.)
- Design and implement the web pages for authorizing new Certified Programs and tracking information about them.
- Design and implement the web pages for registering new Certified Participants and tracking their location and qualifications.

- 1.1h *Library functions*. Implement the updates to the Shellbook Maker client that will allow it to "dock" with the OL3C web site to download Shellbook resources and to upload derived results. [Responsibility: [MAF](#) in [Y1.Q2](#)]

The simplest implementation might be for users of the Shellbook Maker software to log into the OL3C web site with a conventional user name and password and then to manually download and upload files through the web browser. However, we should be able to make it much easier for the user. The authorization to download and upload derives not from the identity of the user, but from the license under which the Shellbook Maker client is operating. Thus, the client should be able to log in automatically by supplying its license information to the library site.

#### *Tasks*

- Implement a new "docking" function in the Shellbook Maker client which goes to the OL3C web site, passes its license credentials, and establishes an upload/download link.
- Implement an upload function in the Shellbook Maker client which uploads the shellbook to the OL3C when it is published. (Only published editions are uploaded; not versions.)
- Implement a download function in the OL3C. Ideally, the web session would know that it is in the docked state and offer user interface icons for download. Downloaded shellbooks would be automatically ingested into the client's database.

- 1.1i *Agency portals*. Implement the capacity for each member agency to have an entry point on the OL3C web site (with its own branding) that shows

just its contributions to the collection. [Responsibility: [MAF](#) in [Y1.Q4](#)]

The ol3c.org home page and associated browsing and search pages give access to the total collection of shellbooks, combining the submissions from all agencies. As a benefit of membership, the OL3C will also offer each member agency a portal (or doorway) into the library that will allow it to showcase the subset of shellbooks that its staff has submitted. Each portal will be on a subdomain of ol3c.org; that is, *agency.ol3c.org*. The portal home page will offer a small range of agency-specific customizations (e.g., changing the logo, information about the agency, possibly the color scheme) and then give links to browsing and search over the shellbooks submitted by the agency. The portal site will be completely generated from information in the database; thus, all customizations are driven by editing the database rather than by editing the web pages.

#### *Tasks*

- Design functionality of agency subsites.
- Implement changes to database to support agency customizations.
- Implement editor that allows agency curators to control the customizations.
- Implement the dynamically generated agency portals.
- Create an advanced search page for each portal that explains how to use the faceted search at U Penn on the OL3C collection, and then gives the link with the agency's submissions to the OL3C preselected.

- 1.1j *Internationalize interface.* Implement capacity for multiple major-language versions of the OL3C web site. [Responsibility: [MAF](#) in [Y3.Q1](#)]

Once a sizeable number of Shellbook resources have been regionalized in multiple major languages, it will make sense to internationalize the interface to the web site so that it directly supports users from those major-language communities. Each shellbook in the global repository knows what language it is in. Thus, we could put national flag icons on the home page and switch to a national-language-specific version of the web site. In addition to showing text on the screen in the national language, a nationalized version would also limit the set of shellbooks shown during browsing to just those in the national language and those derived from an edition in that language.

#### *Tasks*

- Design a generalization of the OL3C web site that treats language-specific text as data that is separated from the templates for dynamically generated pages. (Static pages can just have versions in multiple languages.)
- Implement the mechanism for generating a new version of the web site in a new language, given the needed language-specific text.
- Develop the needed language-specific text for every language in which we want to internationalize.

- 1.1k *Maintain system.* Fix and enhance the Library System in response to high

priority needs discovered during agency and LAMP center testing.  
[Responsibility: [MAF](#) from [Y1.Q2](#) to [Y3.Q4](#)]

As the infrastructure is deployed and used within the [2.1 Agencies capable](#) and [3.1 LAMP centers](#) parts of the project, the OL3C system will be put through its paces by hundreds of users. During that process, bugs in the implementation will inevitably surface, as well as features that are confusing or functions that are desirable but missing altogether. Users will be encouraged to offer their feedback and the process developed in [1.4g Prioritization process](#) will be used to seek community evaluation of the reported issues in order to determine which need to be dealt with.

#### Tasks

- Fix system bugs that are thwarting users' efforts to use the OL3C.
- Implement system enhancements that will significantly improve the users' ability to successfully use the OL3C.

- 1.11 *Maintain client.* Fix and enhance the Shellbook Maker client in response to high priority needs discovered during agency and LAMP center testing.  
[Responsibility: [MAF](#) from [Y2.Q1](#) to [Y3.Q4](#)]

As the infrastructure is deployed and used within the [2.1 Agencies capable](#) and [3.1 LAMP centers](#) parts of the project, the Shellbook Maker client will be put through its paces by hundreds of users. During that process, bugs in the program will inevitably surface, as well as features that are confusing or functions that are desirable but missing altogether. Users will be encouraged to offer their feedback and the process developed in [1.4g Prioritization process](#) will be used to seek community evaluation of the reported issues in order to determine which need to be dealt with.

#### Tasks

- Fix program bugs that are thwarting users' efforts to use Shellbook Maker.
- Implement program enhancements that will significantly improve the users' ability to successfully use Shellbook Maker.

## Output 1.2: Model shells

There is a basic collection of at least 100 prime and regional resource shells that are models of Shellbook best-practice and are available early so that localization can begin in earnest when the library opens.

- 1.2a *ECCD shells.* Create 11 story shells, one for each section of World Vision's *Early Child Care and Development* curriculum. [Responsibility: [Arca](#)]
- 1.2b *LYLS shells.* Create 12 story shells, one for each module of the *Let Your Light Shine* curriculum on caring for children affected by HIV. [Responsibility: [Arca](#)]

- 1.2c *HTWOT shells*. Create 11 story shells, one for each chapter of *Healing the Wounds of Trauma*. [Responsibility: [Arca](#)]
- 1.2d *CVM shells*. Create about 6 shells from materials by the Christian Veterinary Mission. [Responsibility: [Arca](#)]
- 1.2e *MTB-MLE shells*. Create about 35 shells for Mother Tongue-based Multilingual Education. [Responsibility: [Arca](#)]
- 1.2f *WV-EPM shells*. Create about 12 shells for selected World Vision Education Project Models. [Responsibility: [Arca](#)]
- 1.2g *Emergent content*. Create at least 13 more shells for other important topic areas that emerge during the project. [Responsibility: [Arca](#)]
- 1.2h *Regional shells*. Translate the above shells into 4 regional languages each. [Responsibility: [SIL](#)]
- 1.2i *Kande's story*. Upgrade the 5 story shells to add best-practice helps and convert the translations into over 100 local languages into Shellbook file format. [Responsibility: [SIL](#)]

### **Output 1.3: Training resources**

Development agencies and LAMP Centers have access to the training resources they need for learning how to originate resource shells, to make derived editions, to train localization facilitators, and to use the OL3C library system.

- 1.3a *OL3C introduction*. Develop a brief, general introduction to OL3C. [Responsibility: [Arca](#)]

The ease with which multiple language derivative works may be created and managed on a massive scale within the OL3C/Shellbook system is not widely known. The purpose of this activity is simply to create informed awareness of the system's potential, and generate agency interest in participating in the [1.3b OL3C overview](#) course.

#### *Tasks*

- Produce a 10-minute product launch video, "A Special Library Just for You!"
- Develop a facilitator's discussion guide in print and multimedia formats, for both web and packaged delivery.
- Produce a learner's guide to accompany a self-contained, web-based version of the presentation.

- 1.3b *OL3C overview*. Develop training materials giving basic orientation to the

Shellbook method, the OL3C system, the Community of Practice, and Shellbook software. [Responsibility: [Arca](#)]

OL3C is a comprehensive, multi-faceted *system* for supporting communities, worldwide, in the development, production, and maintenance of contextualized teaching and learning materials in terms of their own language and cultural perspective. The purpose of this course is to give a bird's eye view of the entire system, and how all of the various components interact. Participants will acquire a fundamental understanding of the principles and practice of the Shellbook approach to localization, the structure and protocols of the Open Library, the functions of the OL3C Community of Practice, and the basic features of Shellbook Maker software. This course will be the prerequisite for the other four courses.

### *Tasks*

- Adapt the [1.3a OL3C introduction](#) video and facilitator's guide as the opening module for this course.
- Produce four 20-minute Screencast modules, one each on the Shellbook method, OL3C structure and protocols, the Community of Practice, and basic use of Shellbook Maker software.
- Develop a facilitator's guide in Powerpoint and Shellbook formats to accompany each of the Screencast modules.
- Produce a 3 minute testimonial/accnt video as a compendium, based on a real-life case study.
- Produce a learner's guide to accompany a self-contained, web-based version of the presentations.
- Package the course as a DVD/CD set with a printed copy of the facilitator's guide.

### 1.3c *Origination training.* Develop training materials on how to create Shellbooks for optimal target audience impact. [Responsibility: [Arca](#)]

There are two primary types of Shellbooks: translation and localization shells. Translation shells, as their name implies, are translated, then published, and distributed for use. Translated shells are generally more useful for audiences with higher literacy levels, a moderate degree of formal education, and those who are able to learn and act on information from independent reading and study of a text. Translation shells are typically used to train trainers, teachers, and independent learners.

Localization shells, on the other hand, are distributed first as a resource for facilitated community conversation, and then adapted, approved, and published by a local learning community itself, for its own members' use. Shellbook localization is highly inclusive and participatory since all members of a community may be involved in the process of discussion, understanding, validation, adaptation, approval, and adoption of new information in terms of their own language and cultural perspective, whether or not they are literate.

The purpose of this course is to train participants to:

- design audience-appropriate Shellbook Prime Resource Editions based on: (a) an evaluation of the source information, (b) the

teaching and learning requirements of the target audience, and (c) an understanding of the similarities and differences between Shellbook Translation and Shellbook Localization shells and the benefits of each; and

- utilize the advanced features of Shellbook Maker software to produce and publish Translation and Localization shells in OL3C standard-compliant format.

### *Tasks*

- Produce two 30-minute Screencast modules, one on "designing the most appropriate Shellbooks for your target audience", and one on "how to use Shellbook Maker to produce and publish Translation and Localization Shellbooks in the Open Library".
- Develop a facilitator's guide in Powerpoint and Shellbook formats to accompany each of the Screencast modules.
- Produce a 3 minute testimonial/accnt video as a compendium, based on a real-life case study.
- Produce a learner's guide to accompany a self-contained, web-based version of the presentations.
- Package the course as a DVD/CD set with a printed copy of the facilitator's guide.

1.3d *Regionalization training*. Develop training materials on the rationale, principles, and practice of regionalizing both Translation and Localization Prime Resource Edition shells. [Responsibility: [Arca](#)]

1.3e *Localization training*. Develop training materials on how to start, operate, and support community-based localization, translation, and micro-publishing programs. [Responsibility: [Arca](#) in [Y3.Q1](#)]

1.3f *Curation training*. Develop training materials for agency curators on how to manage an agency's contributions to the library and to track its participating individuals and LAMP centers [Depends on [1.1g Curation functions](#). Responsibility: [Arca](#)]

## **Output 1.4: Community of Practice**

A self-sustaining consortium of all the agencies participating in the OL3C is functioning as a community of practice to share results, promote best practices, establish standards, and make strategic decisions regarding the future of the OL3C and its services.

1.4a *Community process*. Develop a process by which the community of practitioners develops and agrees on shared statements. [Responsibility: [SIL](#)]

1.4b *Best practices*. Develop best practice statements on crucial issues identified by the community. [Responsibility: [SIL](#)]

- 1.4c *Metadata standards*. Develop the standard vocabularies for indexing the contents of the global library in a consistent way. [Responsibility: [SIL](#)]
- 1.4d *Certification standards*. Develop the standards by which participating individuals and agencies will be certified as to their competence to fill certain roles within the learning localization process. [Responsibility: [LAT](#)]
- 1.4e *Web space*. Develop the web space which will be the online home for sharing and collaboration within the community of practice. [Responsibility: [MAF](#) in [Y1.Q1](#)]

The OL3C proper is a public web site; it is where the world at large comes to learn about local learning and to find localized learning materials. The consortium needs a more private space in which the participating staff of the member agencies can interact as a community of practice. Access should be limited to just those who have been enrolled by their Agency Curator as a Certified Participant (see [1.1g Curation functions](#)).

#### *Tasks*

- Select and install a wiki collaboration system.
- Determine how we will use the system for our community (especially how it integrates with the [1.1g Curation functions](#)) and configure the system accordingly.

- 1.4f *Feedback process*. Develop a means for maintaining a list of all suggestions for improvements to tools, standards, practices, and so on. [Responsibility: [MAF](#) in [Y1.Q1](#)]

An off-the-shelf "issue tracking" system can be used for this purpose. For instance, Trac (<http://trac.edgewall.org/>) is an open source system that the former Shellbook Publishing Systems used for tracking bug reports and enhancement requests while Shellbook Maker was under development (<https://dev.shellbook.com/shellbook/>; note that each issue is tracked with a "ticket").

#### *Tasks*

- Select and install issue tracking system.
- Determine how we will use the system in our project (e.g. issue types, workflows, authorizations) and configure the system accordingly.

- 1.4g *Prioritization process*. Develop a means by which the community determines priorities for action among the competing requests for attention in the feedback process. [Depends on [1.4f Feedback process](#). Responsibility: [SIL](#)]

- 1.4h *Formalize consortium*. Develop plans for formalizing the consortium and take action when appropriate. [Responsibility: [SIL](#)]

## Outcome 2: Resource sharing

*OL3C member agencies are producing their teaching and learning materials as Shellbook prime editions and regional editions, and are sharing them openly using the OL3C library system.*

### Output 2.1: Agencies capable

All the member agencies have the capacity they need to effectively exploit the OL3C and Shellbook solutions.

- 2.1a *Agency alpha test.* Pilot test first version of training materials (and the library system as far as it exists) with Innovator agencies that want to produce original shells and evaluate results. [Depends on [1.3c Origination training](#). Responsibility: [Arca](#) from [Y1.Q3](#) to [Y1.Q4](#)]
- 2.1b *Agency beta evaluation.* Test the revised versions of training materials (and the rest of the infrastructure) with Early Adopter agencies that want to produce original or regional shells and perform an evaluation of the OL3C infrastructure. [Depends on [1.3d Regionalization training](#). Responsibility: [SIL](#) from [Y2.Q1](#) to [Y2.Q2](#)]
- 2.1c *Agency production.* Upload all resources developed by agencies during testing phases to the library. [Responsibility: [LAT](#) from [Y1.Q3](#) to [Y2.Q2](#)]
- 2.1d *Agency final evaluation.* After deployment of the entire infrastructure, conduct evaluation among participating agencies as to how well it is working. [Responsibility: [SIL](#) from [Y2.Q3](#) to [Y2.Q4](#)]

### Output 2.2: Agencies participating

All the agencies who are promoting localized learning are functioning as members of the OL3C consortium.

- 2.2a *Promotional materials.* Create basic promotional materials about the OL3C for posting on web site and distribution at events. [Responsibility: [Arca](#)]
- 2.2b *OL3C book.* Produce a short Open Access book for free download and for print on demand that advocates for localization and describes how it is done using Shellbook and the OL3C. [Responsibility: [SIL](#)]
- 2.2c *Potential members.* Compile a list of major mission and development agencies which are potential participants. [Responsibility: [LAT](#)]

- 2.2d *Membership drive*. Contact potential partners to introduce them to the OL3C and encourage them to join the consortium. [Responsibility: [LAT](#)]
- 2.2e *OL3C outreach*. Make presentations at various conference venues, including conducting OL3C-specific events. [Responsibility: [LAT](#)]

## Outcome 3: Localization happening

*Local learning communities are using the OL3C library system to find resources they want to localize, are successfully creating local editions, and are archiving their outputs in the OL3C library system.*

### Output 3.1: LAMP centers

Localization And Micro-Publishing (LAMP) centers are appropriately trained and equipped (including being connected to the online OL3C system) and are operating in locations that local learning communities are in contact with.

- 3.1a *LAMP guidelines*. Develop guidelines for the equipping and staffing of a LAMP center. [Responsibility: [LAT](#)]
- 3.1b *Micro-enterprise strategy*. Develop a LAMP center strategy with micro-enterprise development agencies and other interested partners. [Responsibility: [LAT](#)]
- 3.1c *LAMP alpha test*. Pilot test first version of localization training materials (and the library system as far as it exists) with Innovator agencies that want to establish early LAMP centers. [Depends on [1.3e Localization training](#). Responsibility: [Arca](#) from [Y2.Q1](#) to [Y2.Q2](#)]
- 3.1d *LAMP beta evaluation*. Test the revised versions of localization training materials (and the rest of the infrastructure) with Early Adopter agencies that are ready to establish LAMP centers and perform an evaluation of the OL3C infrastructure. [Responsibility: [SIL](#) from [Y2.Q3](#) to [Y2.Q4](#)]
- 3.1e *LAMP production*. Upload all local editions produced by LAMP centers during testing phases to the library. [Responsibility: [LAT](#) from [Y2.Q1](#) to [Y2.Q4](#)]
- 3.1f *LAMP final evaluation*. After deployment of the entire infrastructure, conduct evaluation among participating LAMP centers as to how well it is working. [Responsibility: [SIL](#) from [Y3.Q1](#) to [Y3.Q2](#)]

### Output 3.2: Localization facilitation

LAMP Centers are facilitating Shellbook localization in local learning communities and helping them to build their own localization capacity.

- 3.2a *Localization evaluation*. Conduct an evaluation in a number of local communities as to the effectiveness of the Shellbook approach to localized learning. [Responsibility: [SIL](#) from [Y3.Q2](#) to [Y3.Q3](#)]
  
- 3.2b *Research publication*. Produce an article reporting the findings of the localization evaluation. [Responsibility: [SIL](#) in [Y3.Q4](#)]

*Organizational Responsibilities***Open Library for Local Learning Communities (OL3C)**

Editor: Gary Simons, SIL International  
 Contributors: Mike Trainum, Life Access Technology Trust  
 Peter Clark, Arca Associates  
 Mike Holman, MAF Learning Technologies  
 Revision date: 7 July 2010

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The following organizations are participating in this project. Click on the link to see a listing of all the project activities for which the organization bears the lead responsibility.

- [Arca Associates](#)
  - [Life Access Technology](#)
  - [MAF Learning Technologies](#)
  - [SIL International](#)
  - [World Vision International](#)
- 

**Arca Associates**

Activity set	Y1.Q1	Y1.Q2	Y1.Q3	Y1.Q4	Y2.Q1	Y2.Q2	Y2.Q3	Y2.Q4	Y3.Q1	Y3.Q2	Y3.Q3	Y3.Q4
<a href="#">1.2a ECCD shells</a>												
<a href="#">1.2b LYLS shells</a>												
<a href="#">1.2c HTWOT shells</a>												
<a href="#">1.2d CVM shells</a>												
<a href="#">1.2e MTB-MLE shells</a>												
<a href="#">1.2f WV-EPM shells</a>												
<a href="#">1.2g Emergent content</a>												
<a href="#">1.3a OL3C introduction</a>												
<a href="#">1.3b OL3C overview</a>												
<a href="#">1.3c Origination training</a>												
<a href="#">1.3d Regionalization training</a>												
<a href="#">1.3f Curation training</a>												
<a href="#">2.2a Promotional materials</a>												
<a href="#">2.1a Agency alpha test</a>												
<a href="#">3.1c LAMP alpha test</a>												
<a href="#">1.3e Localization training</a>												

**Life Access Technology**

Activity set	Y1.Q1	Y1.Q2	Y1.Q3	Y1.Q4	Y2.Q1	Y2.Q2	Y2.Q3	Y2.Q4	Y3.Q1	Y3.Q2	Y3.Q3	Y3.Q4
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[1.4d Certification standards](#)

[2.2c Potential members](#)

[2.2d Membership drive](#)

[2.2e OL3C outreach](#)

[3.1a LAMP guidelines](#)

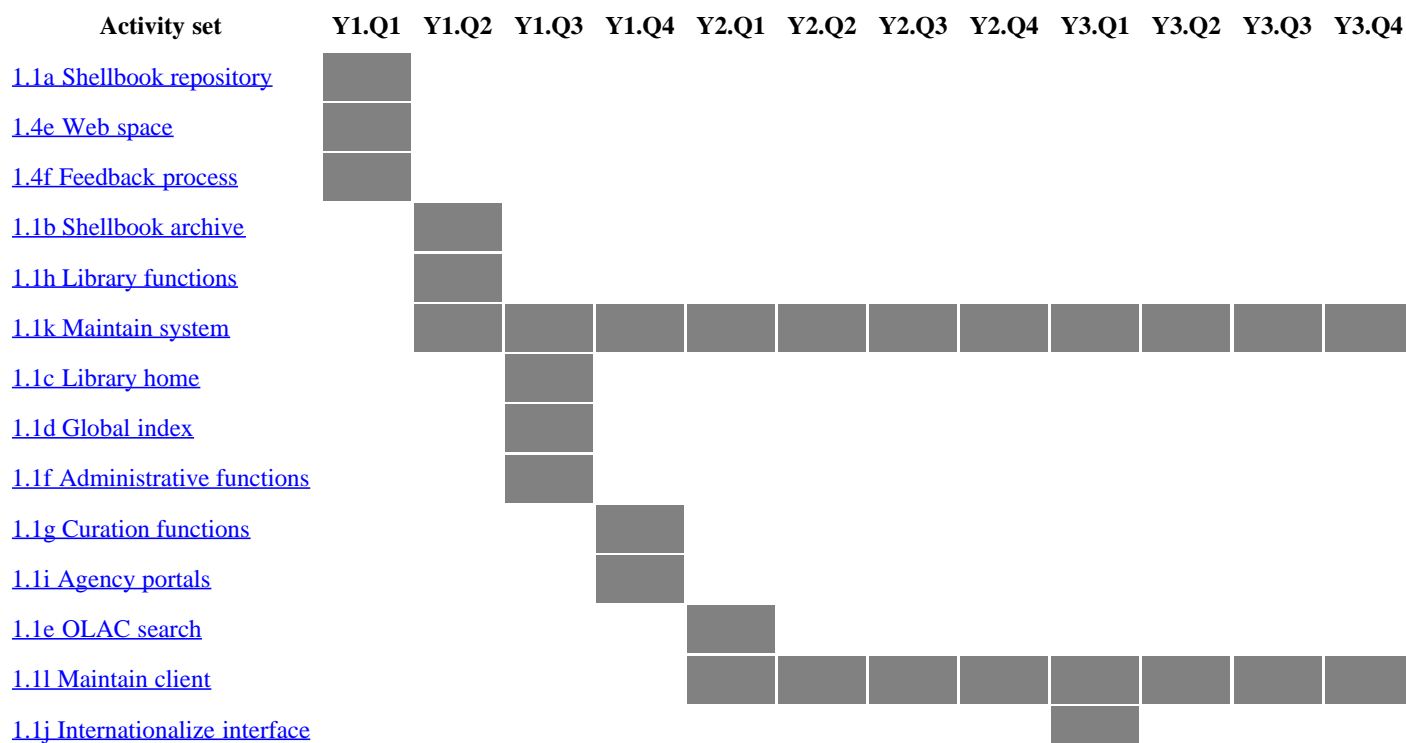
[3.1b Micro-enterprise strategy](#)

[2.1c Agency production](#)

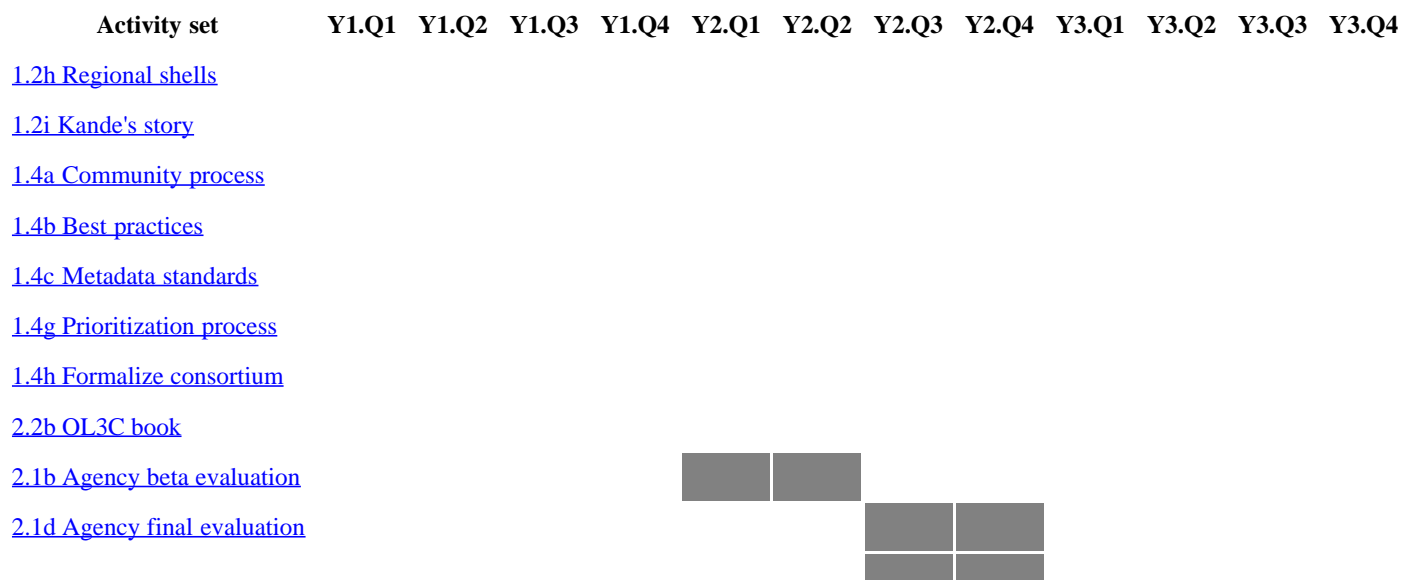
[3.1e LAMP production](#)



## MAF Learning Technologies



## SIL International

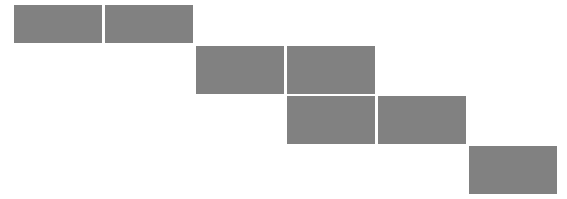


[3.1d LAMP beta evaluation](#)

[3.1f LAMP final evaluation](#)

[3.2a Localization evaluation](#)

[3.2b Research publication](#)



## World Vision International

Activity set	Y1.Q1	Y1.Q2	Y1.Q3	Y1.Q4	Y2.Q1	Y2.Q2	Y2.Q3	Y2.Q4	Y3.Q1	Y3.Q2	Y3.Q3	Y3.Q4
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*Project Timeline***Open Library for Local Learning Communities (OL3C)**

Editor: Gary Simons, SIL International  
 Contributors: Mike Trainum, Life Access Technology Trust  
 Peter Clark, Arca Associates  
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 Revision date: 7 July 2010

The project has been planned in terms of the following time periods. Click on the link to see a listing of all the project activities scheduled to begin within that period.

- [Unscheduled activity sets](#)
- [Year 1: First quarter](#)
- [Year 1: Second Quarter](#)
- [Year 1: Third quarter](#)
- [Year 1: Fourth quarter](#)
- [Year 2: First quarter](#)
- [Year 2: Second quarter](#)
- [Year 2: Third quarter](#)
- [Year 2: Fourth quarter](#)
- [Year 3: First quarter](#)
- [Year 3: Second quarter](#)
- [Year 3: Third quarter](#)
- [Year 3: Fourth quarter](#)

Activity set	By	Y1.Q1	Y1.Q2	Y1.Q3	Y1.Q4	Y2.Q1	Y2.Q2	Y2.Q3	Y2.Q4	Y3.Q1	Y3.Q2	Y3.Q3	Y3.Q4
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**Scheduling problems**

The following activity sets have been scheduled prior to the activity set they depend on.




<a href="#">3.1c LAMP alpha test</a>	<a href="#">Arca</a>		
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**Unscheduled activity sets**

<a href="#">1.2a ECCD shells</a>	<a href="#">Arca</a>
<a href="#">1.2b LYLES shells</a>	<a href="#">Arca</a>
<a href="#">1.2c HTWOT shells</a>	<a href="#">Arca</a>
<a href="#">1.2d CVM shells</a>	<a href="#">Arca</a>
<a href="#">1.2e MTB-MLE shells</a>	<a href="#">Arca</a>
<a href="#">1.2f WV-EPM shells</a>	<a href="#">Arca</a>
<a href="#">1.2g Emergent content</a>	<a href="#">Arca</a>
<a href="#">1.2h Regional shells</a>	<a href="#">SIL</a>
<a href="#">1.2i Kande's story</a>	<a href="#">SIL</a>
<a href="#">1.3a OL3C introduction</a>	<a href="#">Arca</a>
<a href="#">1.3b OL3C overview</a>	<a href="#">Arca</a>
<a href="#">1.3c Origination training</a>	<a href="#">Arca</a>

- [1.3d Regionalization training](#)    [Arca](#)
- [1.3f Curation training](#)        [Arca](#)
- [1.4a Community process](#)        [SIL](#)
- [1.4b Best practices](#)            [SIL](#)
- [1.4c Metadata standards](#)       [SIL](#)
- [1.4d Certification standards](#)   [LAT](#)
- [1.4g Prioritization process](#)    [SIL](#)
- [1.4h Formalize consortium](#)    [SIL](#)
- [2.2a Promotional materials](#)    [Arca](#)
- [2.2b OL3C book](#)                [SIL](#)
- [2.2c Potential members](#)       [LAT](#)
- [2.2d Membership drive](#)        [LAT](#)
- [2.2e OL3C outreach](#)           [LAT](#)
- [3.1a LAMP guidelines](#)          [LAT](#)
- [3.1b Micro-enterprise strategy](#) [LAT](#)






### Year 1: First quarter

- [1.1a Shellbook repository](#)    [MAF](#) 
- [1.4e Web space](#)                [MAF](#) 
- [1.4f Feedback process](#)        [MAF](#) 



### Year 1: Second Quarter

- [1.1b Shellbook archive](#)        [MAF](#) 
- [1.1h Library functions](#)        [MAF](#) 
- [1.1k Maintain system](#)         [MAF](#) 

### Year 1: Third quarter

- [1.1c Library home](#)            [MAF](#) 
- [1.1d Global index](#)            [MAF](#) 
- [1.1f Administrative functions](#) [MAF](#) 
- [2.1a Agency alpha test](#)       [Arca](#) 
- [2.1c Agency production](#)      [LAT](#) 

### Year 1: Fourth quarter

- [1.1g Curation functions](#)      [MAF](#) 
- [1.1i Agency portals](#)         [MAF](#) 

### Year 2: First quarter

- [1.1e OLAC search](#)      [MAF](#)
- [2.1b Agency beta evaluation](#)      [SIL](#)
- [3.1c LAMP alpha test](#)      [Area](#)
- [3.1e LAMP production](#)      [LAT](#)
- [1.1l Maintain client](#)      [MAF](#)



### Year 2: Second quarter

### Year 2: Third quarter

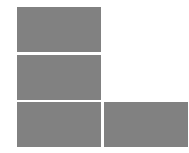
- [2.1d Agency final evaluation](#)      [SIL](#)
- [3.1d LAMP beta evaluation](#)      [SIL](#)



### Year 2: Fourth quarter

### Year 3: First quarter

- [1.1j Internationalize interface](#)      [MAF](#)
- [1.3e Localization training](#)      [Area](#)
- [3.1f LAMP final evaluation](#)      [SIL](#)



### Year 3: Second quarter

- [3.2a Localization evaluation](#)      [SIL](#)



### Year 3: Third quarter

### Year 3: Fourth quarter

- [3.2b Research publication](#)      [SIL](#)



*RBM Results Framework***Open Library for Local Learning Communities (OL3C)**

Editor: Gary Simons, SIL International

Contributors: Mike Trainum, Life Access Technology Trust  
 Peter Clark, Arca Associates  
 Mike Holman, MAF Learning Technologies

Revision date: 7 July 2010

**Impact:** All "left out" people are able to participate fully in the processes of their own development, in terms of their own language, culture, ethnicity, gender, and/or age group.

In order to achieve this impact, the project must first achieve the outcomes described in the final column below. Each outcome in turn depends on achieving the outputs listed preceding it. The first columns lists the activity sets that are planned in order to achieve the outputs.

Activity sets	Outputs	Outcomes
1.1a. <i>Shellbook repository</i> . Implement the central store of Shellbooks in internal format which maintains the derivation relationships and the reuse of components.		
1.1b. <i>Shellbook archive</i> . Implement the generation of the public access PDF format of each Shellbook and its automatic upload to a collection at the Internet Archive.		
1.1c. <i>Library home</i> . Create the web site of the Open Library for Local Learning Communities.		
1.1d. <i>Global index</i> . Implement browsing and search over the entire Shellbook collection by geography, language, subject, and educational level.		
1.1e. <i>OLAC search</i> . Implement a metadata feed following the Open Language Archives Community standards so that the OL3C can take advantage of the search services offered by OLAC.		

<p>1.1f. <i>Administrative functions.</i> Implement the web site functions that will allow an OL3C administrator to manage agency memberships and metadata standards.</p>	
<p>1.1g. <i>Curation functions.</i> Implement the web site functions that will allow an agency's curator to manage its contributions to the library and to track its participating individuals and field centers.</p>	
<p>1.1h. <i>Library functions.</i> Implement the updates to the Shellbook Maker client that will allow it to "dock" with the OL3C web site to download Shellbook resources and to upload derived results.</p>	
<p>1.1i. <i>Agency portals.</i> Implement the capacity for each member agency to have an entry point on the OL3C web site (with its own branding) that shows just its contributions to the collection.</p>	<p>1.1. <i>Library system.</i> Development agencies and local learning communities alike are using the Open Library for Local Learning Communities (OL3C) to share both resource shells and localized editions.</p>
<p>1.1j. <i>Internationalize interface.</i> Implement capacity for multiple major-language versions of the OL3C web site.</p>	
<p>1.1k. <i>Maintain system.</i> Fix and enhance the Library System in response to high priority needs discovered during agency and LAMP center testing.</p>	
<p>1.1l. <i>Maintain client.</i> Fix and enhance the Shellbook Maker client in response to high priority needs discovered during agency and LAMP center testing.</p>	
<p>1.2a. <i>ECCD shells.</i> Create 11 story shells, one for each section of World Vision's <i>Early Child Care and Development</i> curriculum.</p>	
<p>1.2b. <i>LYLS shells.</i> Create 12 story shells, one for each module of the <i>Let Your Light Shine</i> curriculum on caring for children affected by HIV.</p>	

<p>1.2c. <i>HTWOT shells</i>. Create 11 story shells, one for each chapter of <i>Healing the Wounds of Trauma</i>.</p>	<p>1.2. <i>Model shells</i>. There is a basic collection of at least 100 prime and regional resource shells that are models of Shellbook best-practice and are available early so that localization can begin in earnest when the library opens.</p>	<p>1. <i>Global infrastructure</i>. There is a common global infrastructure that supports the needs of development agencies and local learning communities for resources, training, and support.</p>
<p>1.2d. <i>CVM shells</i>. Create about 6 shells from materials by the Christian Veterinary Mission.</p>		
<p>1.2e. <i>MTB-MLE shells</i>. Create about 35 shells for Mother Tongue-based Multilingual Education.</p>		
<p>1.2f. <i>WV-EPM shells</i>. Create about 12 shells for selected World Vision Education Project Models.</p>		
<p>1.2g. <i>Emergent content</i>. Create at least 13 more shells for other important topic areas that emerge during the project.</p>		
<p>1.2h. <i>Regional shells</i>. Translate the above shells into 4 regional languages each.</p>		
<p>1.2i. <i>Kande's story</i>. Upgrade the 5 story shells to add best-practice helps and convert the translations into over 100 local languages into Shellbook file format.</p>	<p>1.3. <i>Training resources</i>. Development agencies and LAMP Centers have access to the training resources they need for learning how to originate resource shells, to make derived editions, to train localization facilitators, and to use the OL3C library system.</p>	
<p>1.3a. <i>OL3C introduction</i>. Develop a brief, general introduction to OL3C.</p>		
<p>1.3b. <i>OL3C overview</i>. Develop training materials giving basic orientation to the Shellbook method, the OL3C system, the Community of Practice, and Shellbook software.</p>		
<p>1.3c. <i>Origination training</i>. Develop training materials on how to create Shellbooks for optimal target audience impact.</p>		
<p>1.3d. <i>Regionalization training</i>. Develop training materials on the rationale, principles, and practice of regionalizing both Translation and Localization Prime Resource Edition shells.</p>		

<p>1.3e. <i>Localization training.</i> Develop training materials on how to start, operate, and support community-based localization, translation, and micro-publishing programs.</p>	
<p>1.3f. <i>Curation training.</i> Develop training materials for agency curators on how to manage an agency's contributions to the library and to track its participating individuals and LAMP centers</p>	
<p>1.4a. <i>Community process.</i> Develop a process by which the community of practitioners develops and agrees on shared statements.</p>	<p>1.4. <i>Community of Practice.</i> A self-sustaining consortium of all the agencies participating in the OL3C is functioning as a community of practice to share results, promote best practices, establish standards, and make strategic decisions regarding the future of the OL3C and its services.</p>
<p>1.4b. <i>Best practices.</i> Develop best practice statements on crucial issues identified by the community.</p>	
<p>1.4c. <i>Metadata standards.</i> Develop the standard vocabularies for indexing the contents of the global library in a consistent way.</p>	
<p>1.4d. <i>Certification standards.</i> Develop the standards by which participating individuals and agencies will be certified as to their competence to fill certain roles within the learning localization process.</p>	
<p>1.4e. <i>Web space.</i> Develop the web space which will be the online home for sharing and collaboration within the community of practice.</p>	
<p>1.4f. <i>Feedback process.</i> Develop a means for maintaining a list of all suggestions for improvements to tools, standards, practices, and so on.</p>	
<p>1.4g. <i>Prioritization process.</i> Develop a means by which the community determines priorities for action among the competing requests for attention in the feedback process.</p>	
<p>1.4h. <i>Formalize consortium.</i></p>	

<p>Develop plans for formalizing the consortium and take action when appropriate.</p>		
<p>2.1a. <i>Agency alpha test.</i> Pilot test first version of training materials (and the library system as far as it exists) with Innovator agencies that want to produce original shells and evaluate results.</p>	<p>2.1. <i>Agencies capable.</i> All the member agencies have the capacity they need to effectively exploit the OL3C and Shellbook solutions.</p>	<p>2. <i>Resource sharing.</i> OL3C member agencies are producing their teaching and learning materials as Shellbook prime editions and regional editions, and are sharing them openly using the OL3C library system.</p>
<p>2.1b. <i>Agency beta evaluation.</i> Test the revised versions of training materials (and the rest of the infrastructure) with Early Adopter agencies that want to produce original or regional shells and perform an evaluation of the OL3C infrastructure.</p>		
<p>2.1c. <i>Agency production.</i> Upload all resources developed by agencies during testing phases to the library.</p>		
<p>2.1d. <i>Agency final evaluation.</i> After deployment of the entire infrastructure, conduct evaluation among participating agencies as to how well it is working.</p>		
<p>2.2a. <i>Promotional materials.</i> Create basic promotional materials about the OL3C for posting on web site and distribution at events.</p>		
<p>2.2b. <i>OL3C book.</i> Produce a short Open Access book for free download and for print on demand that advocates for localization and describes how it is done using Shellbook and the OL3C.</p>		
<p>2.2c. <i>Potential members.</i> Compile a list of major mission and development agencies which are potential participants.</p>		
<p>2.2d. <i>Membership drive.</i> Contact potential partners to introduce them to the OL3C and encourage them to join the consortium.</p>		
<p>2.2e. <i>OL3C outreach.</i> Make presentations at various conference venues, including conducting</p>		

<p>OL3C-specific events.</p>		
<p>3.1a. <i>LAMP guidelines</i>. Develop guidelines for the equipping and staffing of a LAMP center.</p>	<p>3.1. <i>LAMP centers</i>. Localization And Micro-Publishing (LAMP) centers are appropriately trained and equipped (including being connected to the online OL3C system) and are operating in locations that local learning communities are in contact with.</p>	<p>3. <i>Localization happening</i>. Local learning communities are using the OL3C library system to find resources they want to localize, are successfully creating local editions, and are archiving their outputs in the OL3C library system.</p>
<p>3.1b. <i>Micro-enterprise strategy</i>. Develop a LAMP center strategy with micro-enterprise development agencies and other interested partners.</p>		
<p>3.1c. <i>LAMP alpha test</i>. Pilot test first version of localization training materials (and the library system as far as it exists) with Innovator agencies that want to establish early LAMP centers.</p>		
<p>3.1d. <i>LAMP beta evaluation</i>. Test the revised versions of localization training materials (and the rest of the infrastructure) with Early Adopter agencies that are ready to establish LAMP centers and perform an evaluation of the OL3C infrastructure.</p>		
<p>3.1e. <i>LAMP production</i>. Upload all local editions produced by LAMP centers during testing phases to the library.</p>		
<p>3.1f. <i>LAMP final evaluation</i>. After deployment of the entire infrastructure, conduct evaluation among participating LAMP centers as to how well it is working.</p>		
<p>3.2a. <i>Localization evaluation</i>. Conduct an evaluation in a number of local communities as to the effectiveness of the Shellbook approach to localized learning.</p>	<p>3.2. <i>Localization facilitation</i>. LAMP Centers are facilitating Shellbook localization in local learning communities and helping them to build their own localization capacity.</p>	
<p>3.2b. <i>Research publication</i>. Produce an article reporting the findings of the localization evaluation.</p>		