

ALL
CHILDREN
READING:
A GRAND CHALLENGE
FOR DEVELOPMENT

Technology Helping Transform the Book Chain

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Enabling Writers/All Children Reading: A Grand Challenge for Development (ACR GCD) Competition

- ACR GCD convenes global grant and prize competitions supported by USAID, World Vision, and DFAT among other partners
- \$100K software “prize” to facilitate development of decodable and leveled books
- Open source
- Winner selected! SIL International
- Pilot in December 2015
- Ambitious Roll-out – 1st quarter - 2016

Core programming:

- Government and partner-produced materials



Bloom: Making simple books made simple

- Bloom is designed to equip people with modest computer skills to create their own books
- It is based on templates so that writer's don't need to design the book, just provide their content
- Users can either develop their own "fresh" content or download titles from the Bloom Book Library (www.bloomlibrary.org/#/browse) and adapt them to their own language
- Books can be printed or saved as a PDF (ePub 3 format coming soon!)
- Bloom provides tools for developing decodable books (which contain only sight words and letters already taught) and leveled books (books at graduated levels of reading difficulty)
- The Bloom interface can be translated into any language, and books can be created in any language, including non-Latin scripts



Save the Children.



Example of Book Pages Using SIL Bloom Software

<p>Enfants de Cire</p>  <p>French</p>	 <p>Il était une fois une famille heureuse.</p> <p>3</p>	 <p>Les enfants ne se battaient jamais entre eux. Ils aidaient leurs parents à la maison et aux champs.</p> <p>4</p>	 <p>Mais on leur avait interdit d'aller à côté du feu.</p> <p>5</p>
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Enabling Writers

The screenshot displays the Bloom software interface for creating a book. The window title is "Impatient George and the Tapeworm - English Books - Bloom 3.4.110 Built on 29-Oct-2015". The top menu bar includes "Collections", "Edit", "Publish", "Paste", "Copy", "Undo", "Duplicate Page", "Remove Page", "One Language", and "ASPortrail". On the right side of the menu bar are "Settings", "Other Collection", and "Help".

The left sidebar, titled "Pages", shows a list of page types: "Front Cover", "Inside Front Cover", "Title Page", "Credits Page 1", "Credits Page 2", "Credits Page 3", and "Add Page".

The main area is a dialog box titled "Add Page...". It features a "Basic Book" section with a grid of page templates. The selected template, "Basic Text & Picture", is shown in a larger preview on the right. This template includes a large flower illustration at the top and several lines of text below. A button labeled "Add This Page" is located at the bottom right of the dialog box.

The Windows taskbar at the bottom shows the system tray with the time 3:40 PM.

Enabling Writers

Set up Decodable Reader Tool

Powered by [SynPhony](#), the Search Engine for Literacy.

Letters Sample Words **Decodable Stages**

Stages

Stage	Letters
1	a c e ē i t k m n o ō
2	b b w c w d g j l n g y p r t u ū w y
3	b y d w d y g w j w k w l w l y m w n g w n y w n

[Add Stage](#)

Drag rows to reorder stages. [Remove Stage 1](#)

Stage 1

New Sight Words

66 matching words

acan	mama
acana	mamanē
akaka	man
akoko	manōk
anena	meno
cak	mo
camō	mē
canō	mō
ceno	mōkō
cim	mōō
cī	naka
cōc	nakō
ka	nam
kac	nono

Previous and New Letters

a	b	by	bw	c	cw
d	dw	dy	e	ē	g
gw	i	ī	j	jw	k
kw	l	lw	ly	m	mw
n	ng	ngw	ny	nyw	nw

Click on letters to add them to this stage.

[Help](#) [OK](#) [Cancel](#)

S.T.E.M. Writers' Workshop

Impatient George and the Tapeworm - English Books - Bloom 3.4.110 Built on 29-Oct-2015

Collections Edit Publish

English Books ▾

- Title Missing
- Impatient George and...
- My First Book
- The Tree

Vaccinations

Books From BloomLibrary.org

- Clouds
- Fatma Can Count
- Impatient George and...
- The Tree
- Crab and Ant

Get more source books at BloomLibrary.org

SHRP2015

Edit this book

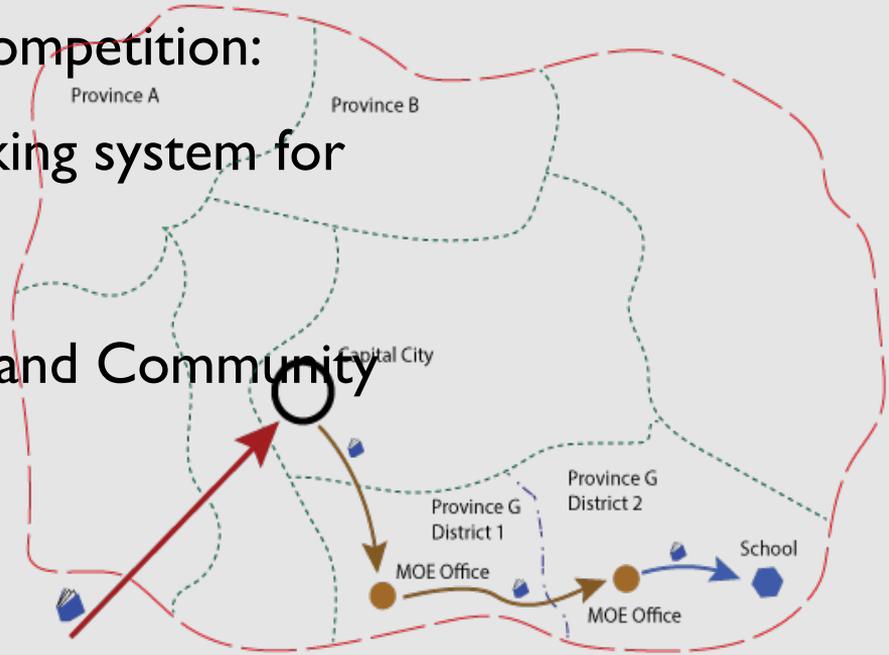
Impatient George and the Tapeworm



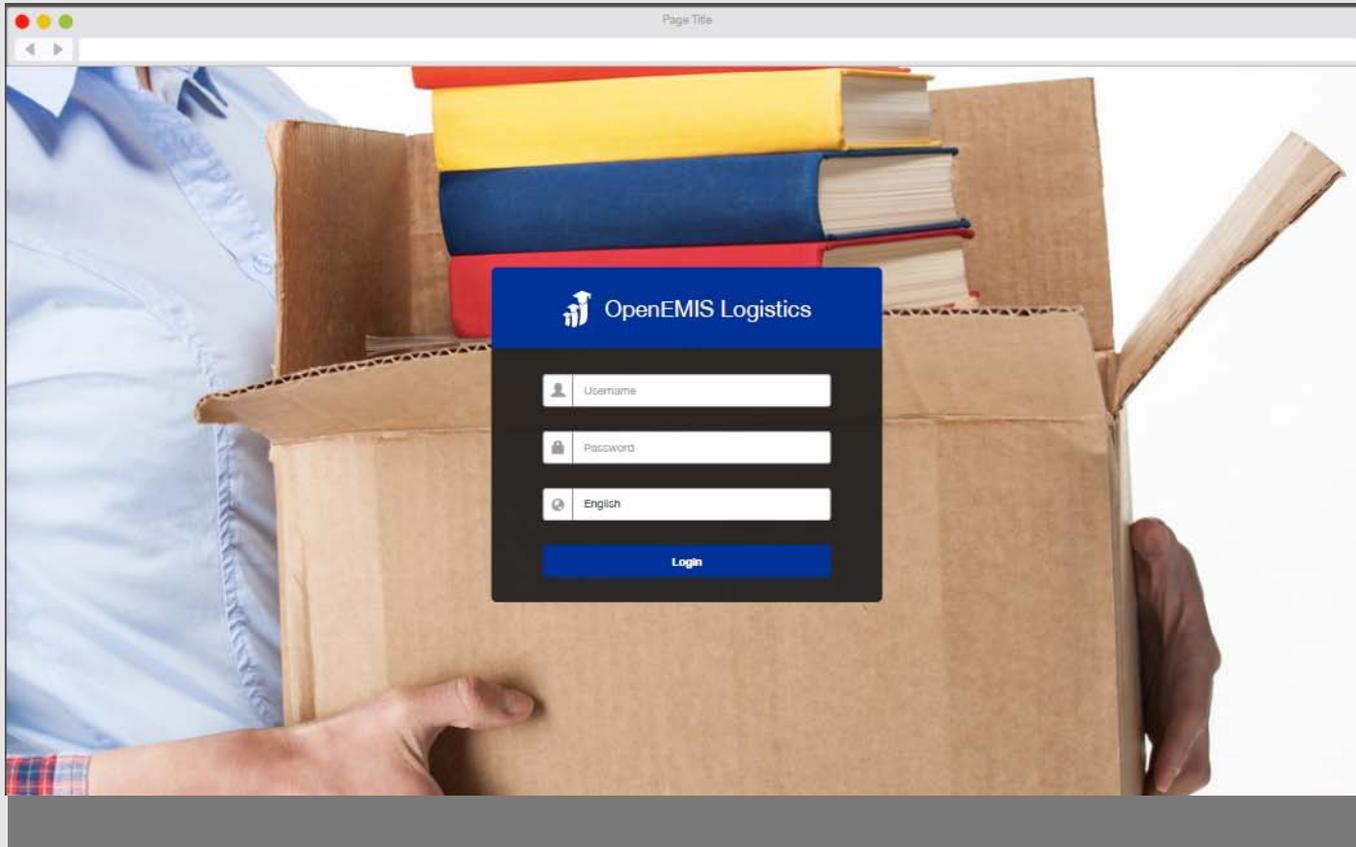
Mobiles for Education Alliance Annual Symposium
October 29th, 2015

Supply Chain Management Development

- Track and Trace an ACR GCD Competition:
- \$200K in prizes for low-cost tracking system for books and learning materials
- Two finalists: John Snow Inc. (JSI) and Community Systems Foundation (CSF)
- Prototype piloting in early 2016



OPENEMIS: Community Systems Foundation





- Shipments
- Freight
- Reports
- Administration

Home > Shipments > Add

Shipments



Shipment Code

ABC000123

Area



Ship From



Delivery Points

Sequence	Area	Location	Courier	Expected Delivery	Confirmation Required
1	<input type="text"/>				
2	<input type="text"/>				



Ship To

Sequence	Area	Location	Courier	Expected Delivery	Confirmation Required
3	<input type="text"/>				

Submit

X Cancel

- Shipments
- Overview
- Packages
- Freight
- Reports
- Administration

Shipment Overview

ABC000123 - Overview

Shipment Code	: ABC000123
Ship Date	: 08/29/2015
Area	: Alphabet City
Ship From	: Ministry of Education
Area	: ABC Town
Ship To	: School A
Modified By	: Administrator
Modified Date	: 08/27/2015

Sequence	Area	Location	Courier	Estimated Delivery	Confirmation
1	ABC Province	Province A	ABC & Co.	08/29/2015	Yes
2	ABC District	District A	Courier Inc.	08/30/2015	Yes
3	ABC Town	School A	Ace Drivers Inc.	08/31/2015	Yes



- Shipments
- Freight
- Reports
- Dashboard**
- Shipment Labels
- Packing Lists
- Map
- Custom
- Administration

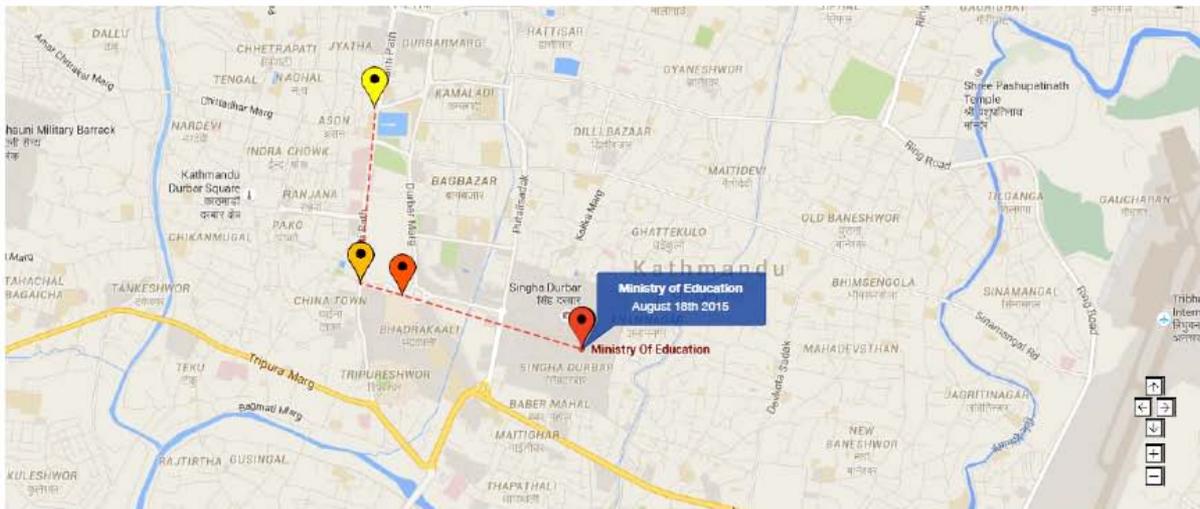
Home > Reports > Dashboard

Dashboard - ABC000123

Overview Packages Map

Show Details Connect Points

[Download PDF](#)



ACCESS

- Global Reading Repository (GRR)
- Collect, house, and make accessible early grade reading materials, with a focus on Mother Tongue (MT)
- Supportive software (Enabling Writers) to assist with title development.
- Allow uploading, through Creative Commons licensing, other kinds of open source arrangements, or agreements with publishers/authors.
- Allow downloading and for printing and use in digital devices.
- Support “versioning.”



GRR Methods

- Implementing Research Team: Natoma Group, USTAD Mobile, and Userworks
- Interviews with potential users and user representatives
- MOEs, iNGOs, national NGOs, donor and development agencies, individual users (teachers, parents, children)
- Review of relevant DLs
- From user-experience perspective
- From technical perspective
- Recommend an approach to metadata
- Cataloging and discovery
- Collection management
- Quality assurance



Objectives of GRR Development Report

- Characterize users and use-case scenarios
- Who will search for and download books?
- How will they make use of downloaded books?
- How will they adapt existing content and develop new content for uploading to the GRR
- Characterize the “landscape” of relevant Digital Libraries (DLs)
- Identify cost-effective approaches to design and development of the GRR





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FROM THE AMERICAN PEOPLE