Northern Education Initiative Plus (NEI +)

- Bauchi and Sokoto states, northern Nigeria
- More than 7 million teaching and learning materials in Hausa and English for Grades 1, 2 and 3 to 1.4 million learners in approx. 2,400 schools and 8,000 non formal learning centers
- And build the capacity of the Ministry of Education
Initial design: Printer to school level

Focus on technology

SMS, barcodes/QR codes, GPS, online SQL databases, complex delivery status checkpoints

But...

• Technology rejection
• Infrastructure limitations
• Too many stakeholders, mixed accountability with state partners
• Not feasible to track to school level
Current Design: Printer to head teacher

PEOPLE
- Roles & responsibilities
- Accountability
- Teamwork
- Skills training

TECHNOLOGY
- Existing tools (Excel, Word)
- Offline tablet data collection
- Emphasize reporting status to all teams involved

PROCESS
- End-to-end distribution process modeling
  - Defining roles, responsibilities, and accountability for all internal and external teams
  - Step-by-step process tasks
  - Standardized documents and tools
Book Track and Trace
Business Process management (BPM)

- Cross-functional process maps:
- Internal/external Teams and Stakeholders involved
- Clear roles, responsibilities, and accountability
- Step by step process tasks defined
- Standardized documents (tools, formats, data)
Book Track and Trace
Simple Technology

• Excel based data sources (easy offline access)
• Excel Templates for Distribution Lists
  • Word Mail Merge for Printing Shipment Notes
• Paper trail
• Offline Tablet data collection at delivery
• Dashboards to track progress
• Database update after process validation
Book Track and Trace
Progress delivery dashboards

- Share delivery status and monitor progress from States to Schools, to every team involved
- Technology managed and updated locally at each State

Not started

72% progress