



**VILLAGE REACH**<sup>®</sup>  
*Starting at the Last Mile*

## Product Catalog Management Tool

Software Project Background - June 2019

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# 1. Project Goal

## Problem Statement:

Highly manual process of product master data management includes a lack of consistent identifiers and lack of interoperability that compromises end-to-end data visibility.

## Our Goal:

Create a re-usable open source software product that allows organizations to publish and manage one or more product catalogs and interoperates with other systems used in LMIC countries using global standards. The system will facilitate product information management, master data management and interoperability.

(excerpted from Concept Note)



# 1. Project Goal – Target User

## Work Package 1/Global FP VAN Product Directory:

The initial user of the product registry will be RHSC hosting a global Family Planning product catalog. This will be the authoritative source for harmonized and standardized FP product information available to systems at the global and country level.

## Future Potential Work Package 2: Country Product Directory

A country Ministry of Health could host their national product catalog which subscribes to global catalogs.

(excerpted from Concept Note)

## 2. Project Participants & Roles

### VillageReach – responsible for software development:

Brandon Bowersox-Johnson, Program Lead

Josh Zamor, Architect and Dev Lead

Sierra Petrosky, Finance & Operations

### Digital Square – responsible for co-creation workshop:

Carl Leitner

Brian Taliesin

### USAID – donor/funder:

Ramy Guirguis

Merrick Schaefer

### Global FP VAN – client/initial user:

Julia White

Swaroop Jayaprakash

Stew Stremel

# Interoperability with OpenLMIS

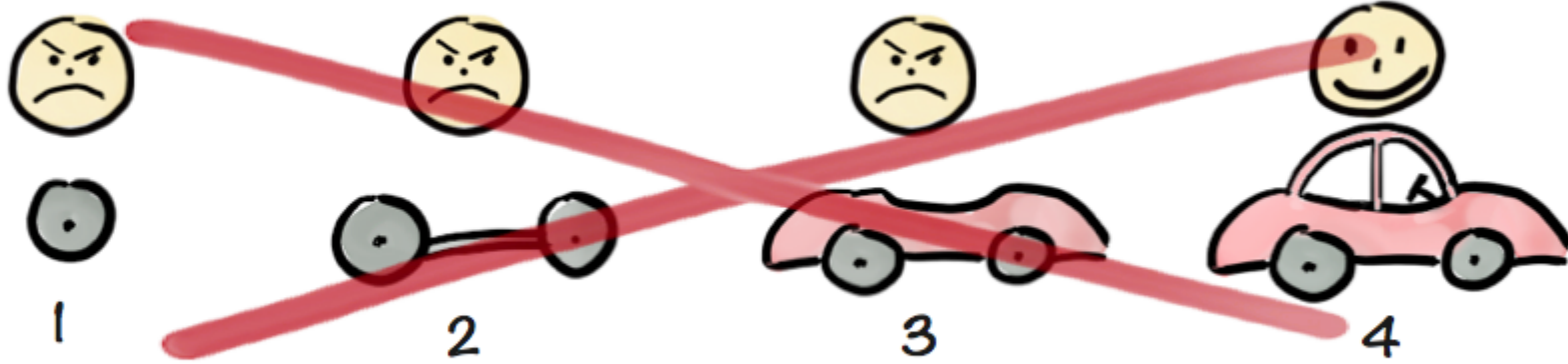
The Product Catalog Management Tool should interoperate with OpenLMIS, other OpenHIE components, and other tools such as the Global FP VAN system (powered by E2Open).

# 3. Project Management Approach

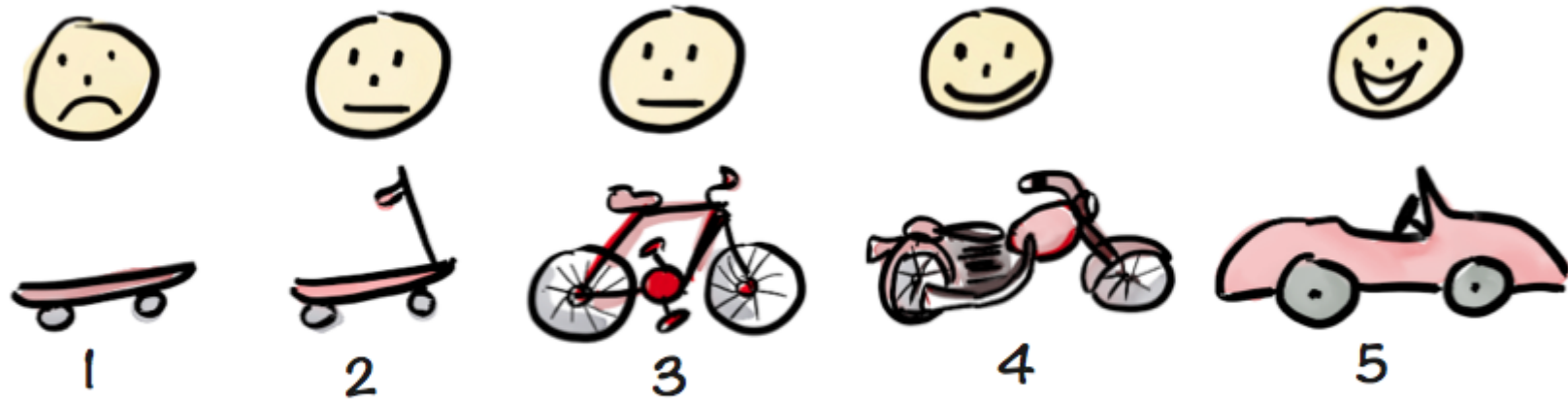


# Agile

Not like this....



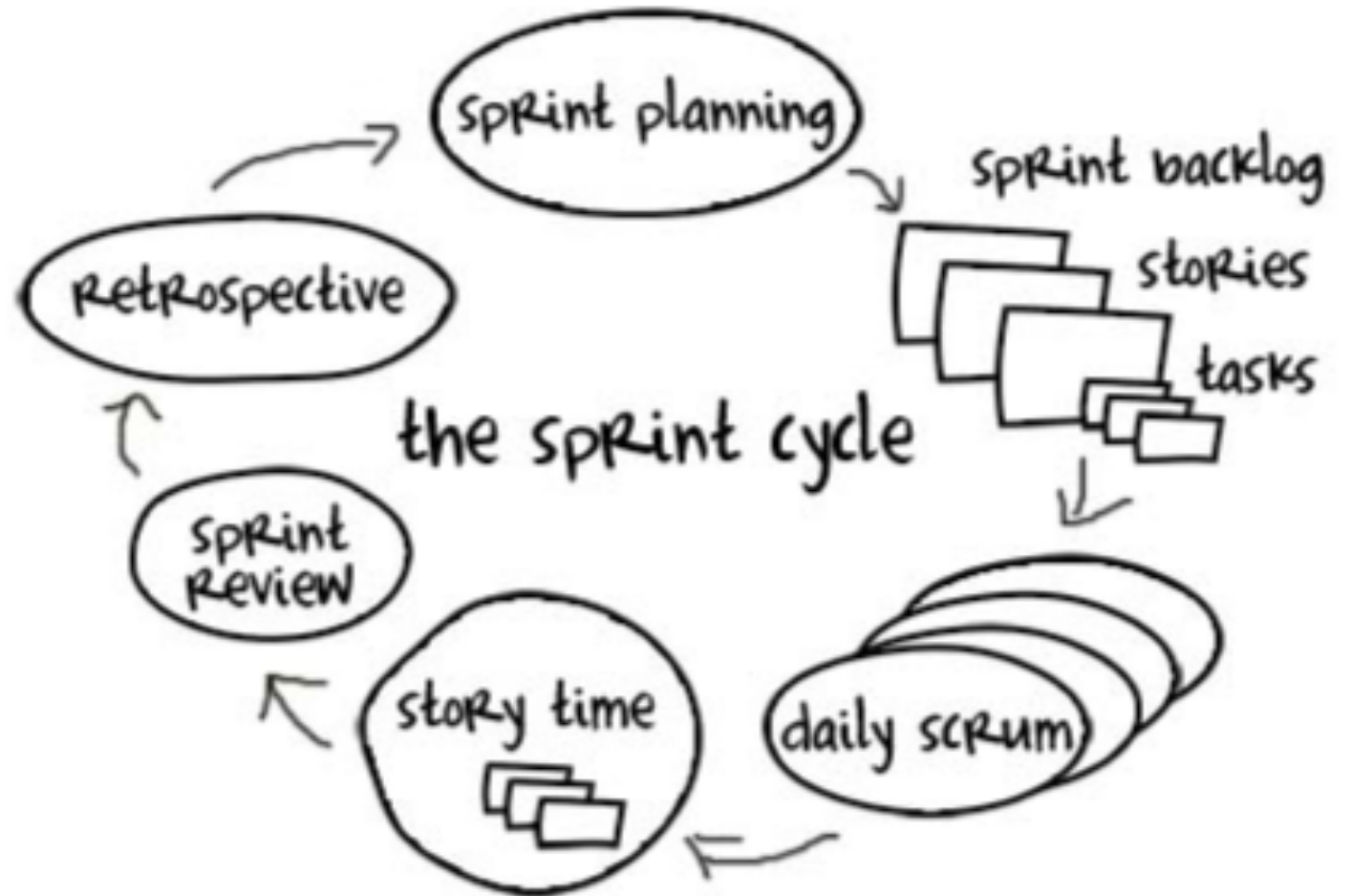
Like this!





# Agile

- Sprints (1- or 2-week)
- User Stories
- Sprint Review (aka Showcase)



Using OpenLMIS Software Methodology as a starting point

<https://openlmis.atlassian.net/wiki/spaces/OP/pages/57409539/Software+Development+Methodology>

Graphic source: <http://www.agilelearninglabs.com/resources/scrum-introduction/>

# Deliverables

## 1. Global FP VAN Product Catalog Management Tool (Work Package 1)

This is an early version of the software that prioritizes the needs of the Global FP VAN stakeholders. It can be used for trial/beta use by the Global FP VAN stakeholders, and for testing and advocacy (including at the co-creation workshop). *Note: Should we identify specific Global FP VAN country/countries? Also, note this version may be a #3 on the agile diagram, not a fully-featured #5.*

## 2. National/Country Product Directory (Work Package 2)

This version will have a common feature set that can support both global and national/country use cases. This version can be installed and used for pilots/trials by country/national users. This is an outcome of Work Package 2.

## 3. Documentation

Each work package will include software documentation targeted for developers or implementers; this documentation can also be repurposed to contribute to advocacy activities coordinated with the workshop hosted by Digital Square (such as a conference presentation, blog post, or webinar).

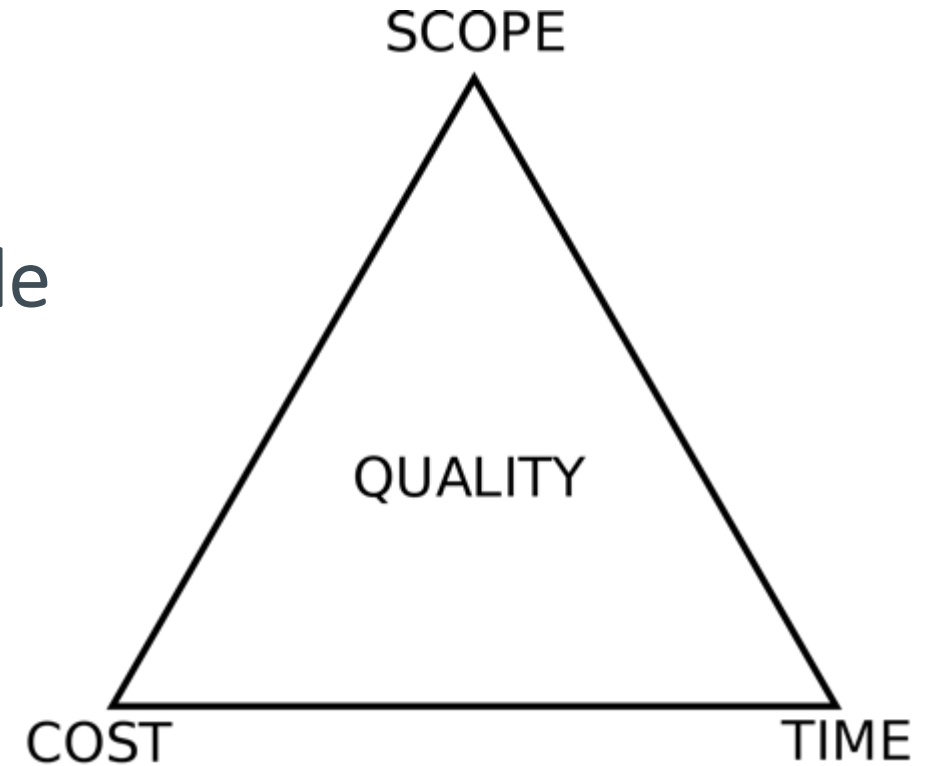
*Also includes materials from the sprint process such as Tickets, User Stories linked to code commits, Personas, User Journeys, and Data Model. Code and documentation will use open source/creative commons licenses.*

## 4. Timeline & Milestones



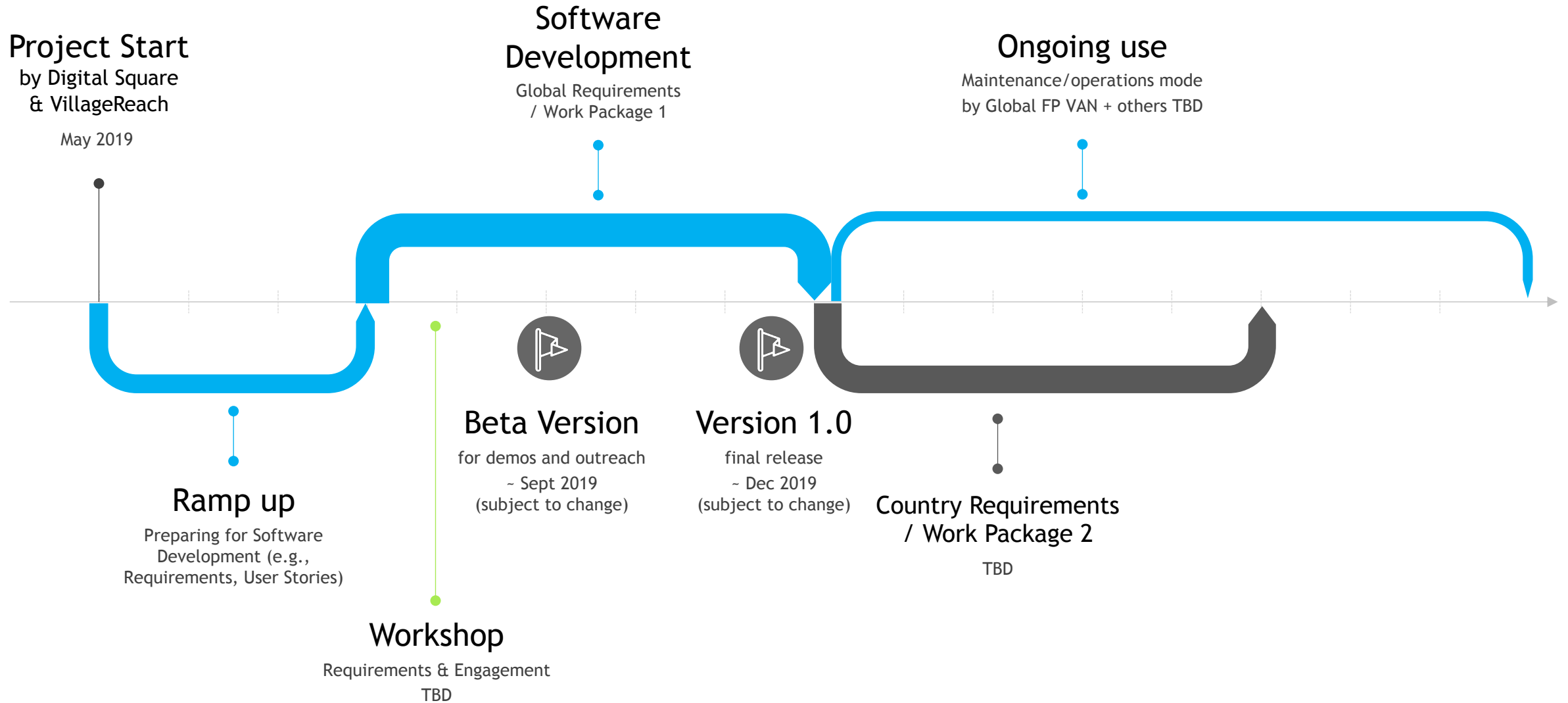
# Project Management Triangle

1. Cost – fixed
2. Scope and Quality – important but flexible
3. Time – flexible



*Time versus Scope trade-off is still under discussion*

# Product Catalog Management Tool





Thank You!