

ThoughtWorks®

welcome

HUMANITARIAN SOFTWARE

Let's make the world a better place

AGENDA

Humanitarian software

RapidFTR

MifosX

OpenMRS

Getting involved

humanitarian |hjuˌmɑniˈtɛːrɪən|

adjective

*concerned with or seeking to
promote human welfare*

As a technologist

*I want to use my skills and
expertise*

To improve human welfare

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RAPIDFTR

WHAT DOES IT DO?

Family tracing and reunification

Helps children who are separated from their caregivers in emergency situations

Mobile phone application and data storage system

WHO IS INVOLVED?

Interactive Telecommunications Program at
New York University

Started by students in a Design For Unicef
class

Child Protection in Emergencies Team at
UNICEF

WHERE IS IT USED?

Congolese transit refugee camp in Uganda in 2012

South Sudan Internally Displaced Person(s) (IDP) crisis of 2013

In the Philippines after typhoon Yolanda

WHAT IS UNDER THE HOOD?

Ruby on Rails

CouchDB

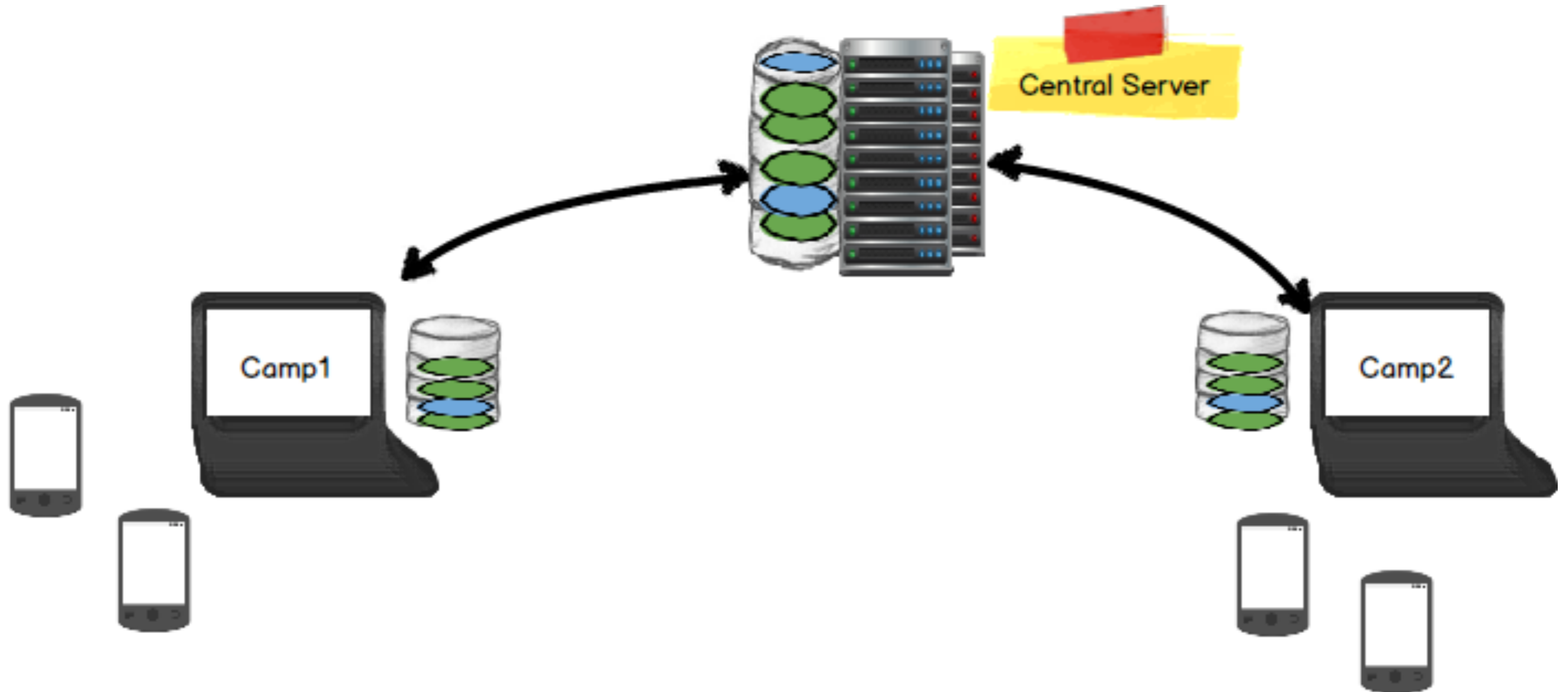
Android

Netbook

(Blackberry)

GNU Affero General Public License v3

ARCHITECTURE



Live demo

HOW CAN YOU HELP?

Rails/Android Development

DevOps Automation

Automated BDD Testing

UI/UX Enhancements

Documentation

[Milestone: Free to Play and Status: Ready](#)

RESOURCES

<http://www.rapidftr.com>

<http://www.rapidftr.com/developer>

<https://github.com/rapidftr/RapidFTR>

<https://github.com/rapidftr/tracker>

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MIFOSX

WHAT DOES IT DO?

Open platform for financial inclusion

Loan products & loan accounts

Savings products & savings accounts

Backoffice

Surveys and progress out of poverty tracking

WHO IS INVOLVED?

Grameen Foundation

Non-profit organization based in Washington DC

Replicates the Grameen Bank microfinance model around the world

Launched Mifos in 2006

Returned Mifos back to the community in 2011

WHERE IS IT USED?



Source: <http://mifosx.openmf.org/Mifos%20website/mifos.org/community/user-map.html>

WHAT IS UNDER THE HOOD?

Java 7

JAX-RS 1.0, Jersey 1.17.x

JSON, Google GSON

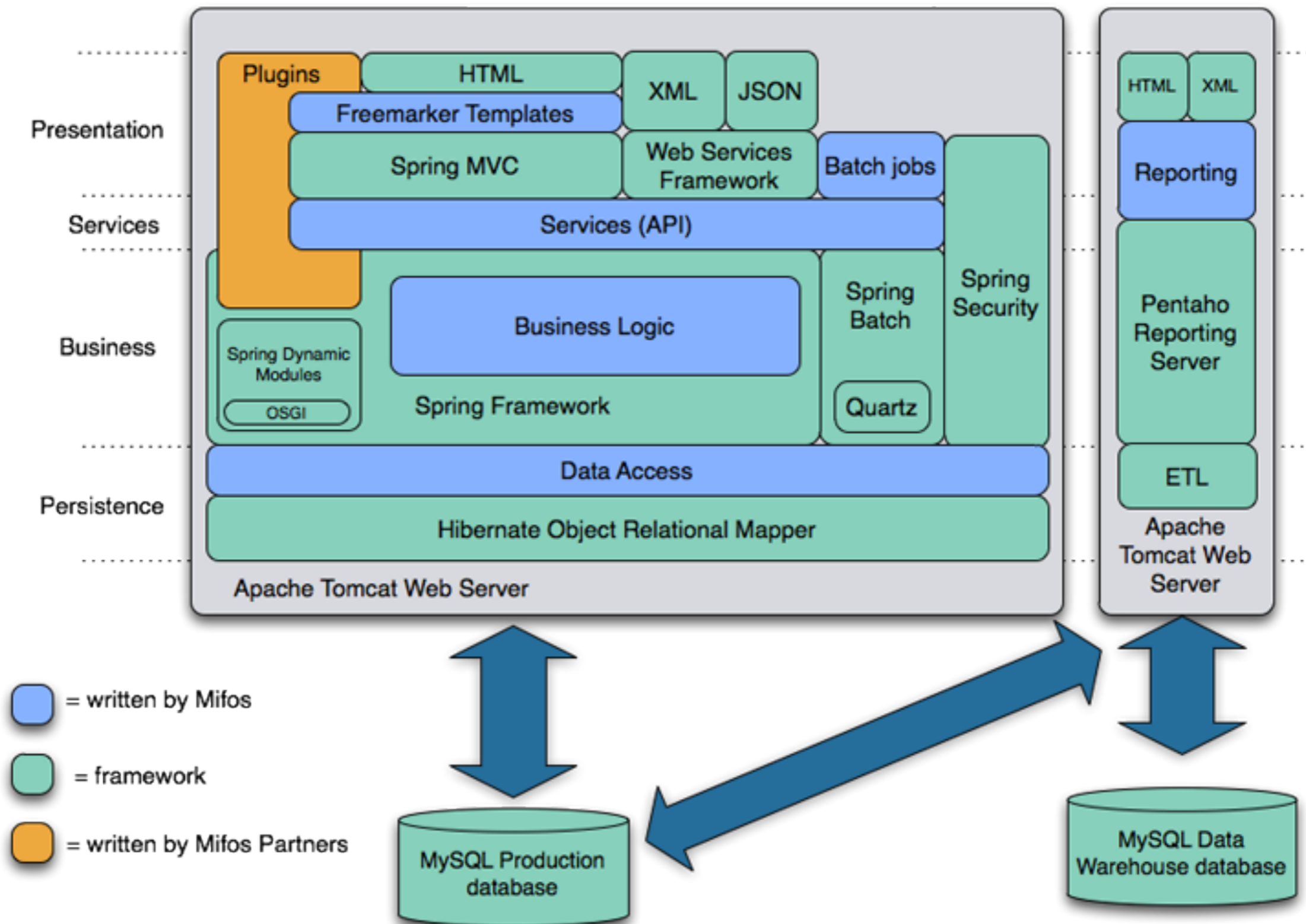
Spring

Hibernate

MySQL

Mozilla Public License, v. 2.0

ARCHITECTURE



Source: <http://beta.mifos.org/contributors/tech-overview>

Live demo

HOW CAN YOU HELP?

Write code

Grow community

Spec features

Be an advisor

Write docs

RESOURCES

<http://mifos.org>

<https://github.com/openMF/mifosx>

[https://demo.openmf.org/api-docs/
apiLive.htm](https://demo.openmf.org/api-docs/apiLive.htm)

<https://github.com/openMF/mifosx/wiki>

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OPENMRS

WHAT DOES IT DO?

Medical record system

Replaces paper based records

Improves health care delivery

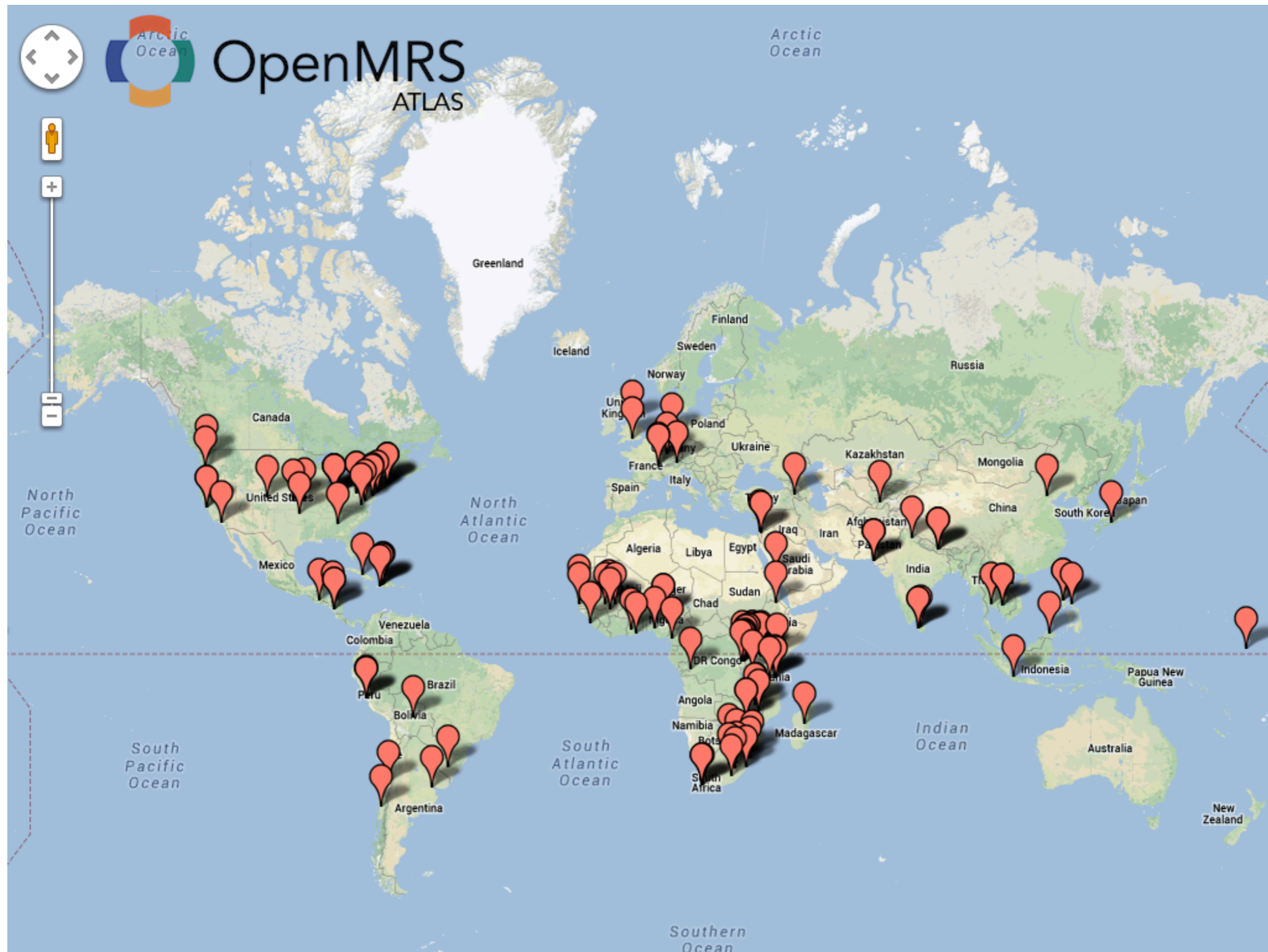
WHO IS INVOLVED?

Regenstrief Institute, an informatics and healthcare research organization

Partners In Health, an organization providing healthcare for the poor

Created in 2004 as a platform for developing countries

WHERE IS IT USED?



Source: <https://atlas.openmrs.org/>

WHAT IS UNDER THE HOOD?

Java

Spring

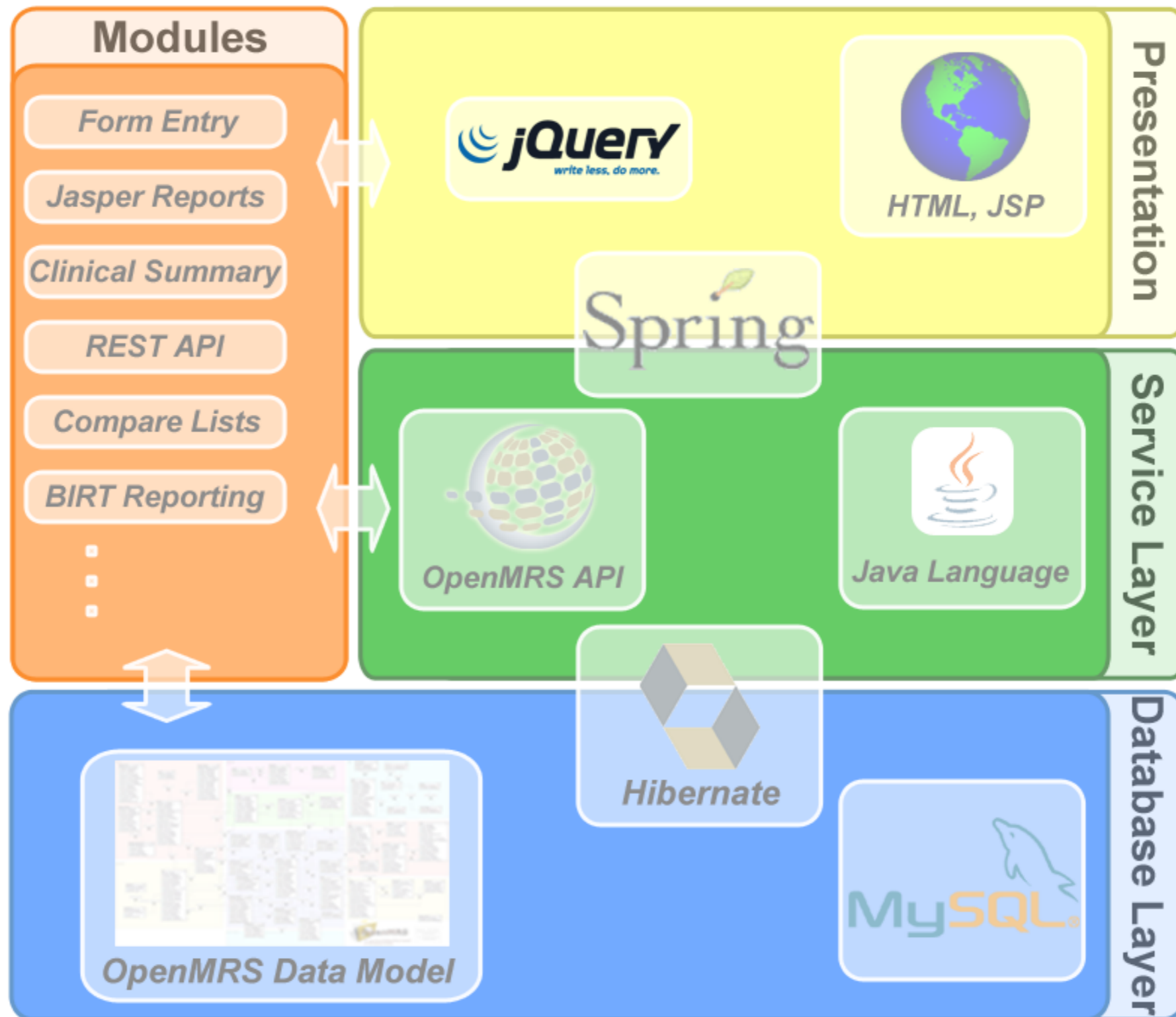
Hibernate

MySQL

Tomcat

OpenMRS Public License, based on Mozilla
Public License

ARCHITECTURE



Source: <http://harshcreationz.blogspot.de/2013/06/1st-week-at-openmrs.html>

Live demo

HOW CAN YOU HELP?

Introductory tickets

Community tickets

Projects

RESOURCES

<http://openmrs.org>

<https://wiki.openmrs.org>

<https://tickets.openmrs.org>

<https://github.com/openmrs/openmrs-core>

GETTING INVOLVED

GETTING INVOLVED

Pair on a ticket

Code jams

Conferences

Meetups

Summers of code

Universities

CODE JAMS

People

Things to work on

Prepare tickets / stories

Location

Keep going

Your questions?

THANK YOU

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