Sprint Report #1

0.1 Team Members

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0.2 Project Sponsors

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0.3 Sponsor/User Description

0.3.1 User Description

Primary users will be the everyday citizen, interested in reporting some event, such as butterfly sighting, geological or landscape changes, etc. Secondary users will be academics and researchers who will use the gathered information in their research, they will be administrators of this data.

0.3.2 Project Goal

The goal of this project to improve on the idea originally presented in the Landscape Change Mapper, and expand on it to create a flexible interface for other kinds of events.

0.3.3 User Needs

Primary users need all the core fonctionality of the Landscape Change Mapper to be maintained.These functions include, but are not limited to:

- Visual map representation of events
- Detailed event list
- Event reporting interface
- New user registration
- User login

Users also need to be able to select which set of events they would like to view. Administrators need to be able to customize a set of events to fit my needs. This may include user input and display items, database design, digital map, webpage color and style, logo, etc. Administrators will also need to be able to edit existing event reports.

0.4 Project Overview

The Crowd Science Mapper will be a generic crowdsourcing system framework and toolkits, which can be customized by ordinary users with no programming experience using graphical user interface

0.5 Project Environment

0.5.1 Project Boundaries

While the previous project included a mobile application, this project will not because the team is smaller. This project will be solely web-based.

0.5.2 Project Context

This project will use the same general context that the Landscape Change Mapper used.

Technical Environment

This project will use the same enviroment used in the Landscape Change Mapper. This will use HTML, PHP and Java Script to connect to a Mongo Database, and was hosted on an Apache 2.2 Server.

Current systems overview

The Landscape Change Mapper webpages used HTML, PHP and Java Script to connect to a Mongo Database, and was hosted on an Apache 2.2 Server. The webpage contained a map of events, detailed event list, event reporting interface, user login, and new user registration. The project included a mobile app with an event reporting interface.

0.6 Project Deliverables

The project deliverable will be a proof-of-concept webpage with the features listed in the backlog.

0.7 Backlog

The following features need to be added to this project:

- Visual map representation of events
- Detailed event list
- Event reporting interface
- New user registration
- User login
- User selection of data set to view
- Administrator login
- Administrator customization of event sets, including user input and display items, database design, digital map, webpage color and style, logo, etc.
- Administrator editing of existing event reports

0.8 Potential Issues

Potential issues might stem from using Java Script to interface with the Mongo DB. We don't have much prior experience with these specific tools, though we have used similar tools.