**Weekly Report for Week Ending 3/5/2015**

**NICTA (National Information Communications Technology Australia)**

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# **Status Summary**

* This week we continued our process of learning how to use QGIS and analyzing the code on our server to understand the parsing process. We began learning how to use geoserver, so that we can get the visualizations to display. Also this week we managed to get some visualizations working, using geoserver.

## Top Highlights

* Getting Geoserver to display our layers we added in QGIS
* Getting QGIS to display data in a meaningful way
* QGIS data formatting tool and Post-GIS
  + We can now continue learning how to format our data
* Meeting with engineer to answer some questions about more technical aspects

## Top Lowlights

* Still unable to keep overlays on data when adding to National Map
  + Data could be added to map the only problem is that the overlays don’t stay
* Unable to get our data and layers from geoserver to work in National Map.
  + National Map would error out when adding data to it

# **Accomplishments vs. Plan**

* Plan – Getting private Github set up
  + Owner: Dr. Avazpour
  + **Complete**
* Plan – Meet with mentor
  + Owner: Team
  + **Complete**
* Plan - Continue working on Documentation
  + Project Spec Document
    - Owner: Team
    - **Up to date**
  + Project Plan
    - Owner: Team
    - **Up to date**
  + Meeting Minutes
    - Owner: Team
    - **Up to date**
* Plan - Setting up web server for our development branch of National Map
  + Owner: Eric → Nate Olson
  + **Complete**
* Plan - Continue learning QGIS
  + Owners: Eric, Sean
  + **In progress**
  + Creating unique datasets for upload to National Map
    - Owner: Sean
    - **In Progress**
  + Analysis of existing data from National Map
    - Owner: Eric
    - **In Progress**
* Plan - Continue exploring and documenting National Map code
  + Owners: Ted, Jordan
  + **In Progress**
* Plan - Learn Geoserver
  + Owners: Eric, Sean
  + **In progress**
  + Keeping data with the layers
* Plan - Learn PostGIS
  + Owners: Eric, Sean
  + **In Progress**
  + an infrastructure issue
* Update Project Plan for more specific requirements
  + Owner: Team
  + **Complete**
* Watch Video on how to add overlays to data
  + Owner: Team
  + **Complete, but not as useful as had hoped**

# **Goals for Next Week**

* Update Project Spec Document Section 6
  + Owner: Team
  + **Unsure if needed**
* Continue exploring National Map code
  + Owners: Jordan, Ted
  + Goal: Determine how National Map handles JSON/GeoJSON
  + Goal: Determine what parts of the National Map source code our modules will need to interface with
  + Goal: Document which parts of Ausglobe.js come from which files
* Learn QGIS
  + Owners: Sean, Eric
  + Goal: Learn how the tool works and possibly get some data formatted

## Risks

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID#** | **Status** | **Risk** | **Owner** | **Probability/ Priority** | **Impact** | **Trigger** | **Recommendation / Resolution** |
| R001 | Available,but not moved to it | Will need to move to an encrypted github later. | Team | 100% / Medium | Might recreate the setup process later in the project and cause a bottleneck. | Need decision in  2 weeks | Iman told us he will work on getting this set up for us this week. We are sending him Github usernames. |
| R002 | In Process | Constant National Map updates may break our project. | Team | 10%/Low | Our project may need to be adjusted to input the data into the map in new ways. | Continuous throughout the semester. | We are forking a copy of the national map that we can update as we test. It seems the formats should be set well enough so this has less chance of occurring. |
| R003 | In Process | We may not ever understand the code enough to process the data correctly | Team | 30%/Medium | Possibly not meeting deliverables | Continuous | We may need to spend overtime understanding the application |
|  |  |  |  |  |  |  |  |

## Issues

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID#** | **RID#** | **Status** | **Issue** | **Owner** | **Due Date** | **Impact** | **Recommendation / Resolution** |
| I001 |  | Complete | Meeting schedules | Team | 1/31/2015 | May each have to adjust our schedules slightly to accommodate our project. | Created Google calendar where we can all share our schedules |
| I002 |  | In Progress | Ability to download already formatted datasets from National Map | Team |  | Slows our progress down as we are not able to analyze what they have done. | Project mentor will get back to us and we will be hearing from an engineer on the map |
| I003 |  | In  Progress | Learning QGIS data formatting tool | Team |  | Will slow us down a-bit until we learn how to use the tool | Will start learning how to use the tool this week |
| I004 |  | In Progress | Learning Postgres  and Post-GIS | Sean  and Eric |  | Will slow us down slightly depending on the rate at which we learn this. | Learning process begins this week |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Success Indicator** | 1/31/14 | 2/7/14 | 2/14/2014 | 2/21/2014 | 2/28/2014 | 3/7/2014 | 3/14/2014 | 3/21/2014 | 3/28/2014 | 4/4/2014 | 4/11/2014 | 4/18/2014 | 4/25/2014 | 5/2/2014 |
| Planned milestone events are being met | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Budget is under control | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Quality control results are within specifications | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Change control process indicates minimal requests for change | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Project resources are being supplied per schedule and skill levels are adequate | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Project team appears to be cohesive and reasonably happy | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Users seem satisfied with progress of the work | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Top management remains visibly supportive of the project goals | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Third-party vendors are delivering quality items on schedule | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Risk events are under control and nothing unusual is appearing | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Project training program is progressing according to plan | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |
| Relationships with support groups appear to have no identifiable issues | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |  |  |  |  |