**Weekly Report for Week Ending 4/2/2015**

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

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# **Status Summary**

* Eric and Sean have finished implementation of a PostGIS database and have it integrating with Geoserver.
* Sean has created R scripts to translate the raw data sources into a format that can be outputted into a map.
* The PostGIS database can host shape files, however more research is required to enable national map to read the formatting

## Top Highlights

* Sean managed to break up the data file into multiple, usable data files with a script

## Top Lowlights

* All of us are busy with interviews and other projects, so we had a slow progress week.

# **Accomplishments vs. Plan**

* 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
  + **In progress**
* Learn QGIS
  + Owners: Sean, Eric
  + Goal: Learn how the tool works and possibly get some data formatted
  + **In progress**
* Continue Learning Geoserver
  + Owners: Sean, Eric
  + Goal: Understand more about Geoserver
  + **In progress**
* Properly set up a PostgreSQL database
  + Owners: Sean, Eric
  + Goal: Have a PostgreSQL database
  + **In progress**
* Set up PostGIS with PostgreSQL
  + Owners: Sean, Eric
  + Goal: Have a working PostGIS implementation
  + **In progress**

# **Goals for Next Week**

* Update Project Spec Document Section 6
  + Owner: Team
  + **In progress**
* Finish documentation for Sprint 3
  + Owner: Team
  + **In progress**
* 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: Set up files that build ausglobe.js in a way to allow for tracing how the code handles data
* Learn QGIS more completely
  + Owners: Sean, Eric
  + Goal: Learn how the tool works and possibly get some data formatted
* Continue Learning Geoserver
  + Owners: Sean, Eric
  + Goal: Understand more about Geoserver
* Properly set up a PostgreSQL database
  + Owners: Sean, Eric
  + Goal: Have a PostgreSQL database
* Format PostGIS to work with national map
  + Owners: Sean, Eric
  + Goal: feed some data into the map properly

## Risks

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
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## Issues

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| I005 |  | In Progress | Setting up PostgreSQL and Post\_GIS | Sean  and Eric |  | Will slightly slow us down as our data won’t be in the correct format for the map to process | Research on how to properly set up a PostgreSQL database |
| I006 |  | In progress | Planned method for debugging the map results in Chrome crashing consistently | Jordan |  | Have to adjust method for debugging through the map code. | Use Chrome developer tools more effectively or find an IDE that would allow for the debugging needed. |
| I007 |  | In progress | PostgreSql table not working as expected. We expected the data would work properly on the Map. | Sean  and  Eric |  | Affects our ability to get data uploaded to the map. We are unable to show our visualizations on the map. | We will try and get in touch with the engineer. |

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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** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |
| Budget is under control | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |
| Quality control results are within specifications | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |
| Change control process indicates minimal requests for change | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |
| Project resources are being supplied per schedule and skill levels are adequate | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |
| Project team appears to be cohesive and reasonably happy | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |
| Users seem satisfied with progress of the work | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |
| Top management remains visibly supportive of the project goals | **OK** | **OK** | **OK** | **OK** | **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** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |
| Project training program is progressing according to plan | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |
| Relationships with support groups appear to have no identifiable issues | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** | **OK** |  |  |  |  |