**Weekly Report for Week Ending 3/12/2015**

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

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# **Status Summary**

* This week we focused on our midterm presentation and documentation for the end of Sprint 2 more than technical advancement on our project. We updated our project plan as well to reference the progress we plan to make on Sprint 3.

## Top Highlights

* Successful midterm presentation with good feedback from Dr. Knudson as well as our peers

## 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
* Unable to properly demonstrate QGIS and Geoserver during the presentation. As there was some incompatibility in our device and the computer.

# **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
  + Goal: Document which parts of Ausglobe.js come from which files
  + **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
  + **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: Finish documenting which parts of Ausglobe.js come from which files
* 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
* Set up PostGIS with PostgreSQL
  + Owners: Sean, Eric
  + Goal: Have a working PostGIS implementation

## 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 |

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