**4/6/2015 (Monday):**

Hi all,

Below are the minutes for tonight's meeting:

**Examples to Review**

- crowdLabs ([www.crowdlabs.org](http://www.crowdlabs.org)) [NEW]

- myExperiment ([www.myexperiment.org](http://www.myexperiment.org))

- ProgrammableWeb ([www.programmableweb.com](http://www.programmableweb.com))

\*\* Should sign up and review features for each

**Workflows: VisTrails or Taverna?**

- OpenNEX should not be limited to a specific workflow tool

- should be open to support a wide variety of tools

**Project Prototype**

- goal: design and initial prototype

- **IMPORTANT!!** should map design to implementation

- decide framework to use: most likely Play Framework unless a newer/better one can be suggested

**Share Software/Workflow**

- should not be done on OpenNEX

- should be hosted by API provider

- OpenNEX is just a service registry

**Manage Computing Power**

- focus on simulations / cost estimation and service recommendation

- no need to focus on workflow execution

**Social Network**

- focus on groups, projects, collaboration tools.

- primarily list based focused for now.

- similar to crowdLabs, myExperiment

**Prototype Suggestions**

- check out Sensor Data Platform project (<https://github.com/cmusv-sc/ArchF2013-Project2-FT>)

- get platform running on local machines and review

- modify for OpenNEX

- OpenNEX repository is setup here: <https://github.com/cmusv-sc/OpenNEX>

**Team Leads:**

- verify that all your teammates have access to the OpenNEX repository. If not, email Jia the usernames to be added to the project.

- I suggest we seed the repo first with a base project and clone that for each of our teams to start work from. We can merge and integrate later on. We'll discuss more in the coming days.

- Vinay has set up a meeting with Petr next Monday (4/13) at 1pm, please remind team members of this schedule.

Thanks everyone!

Cef

**3/30/2015 (Monday)**

Hi all,

Here are the meeting notes for tonight. PMs please forward to your group members if necessary.

**End Goals for Project:**

- Architecture design document for two modules per team

- Prioritized components with discussion with Petr

- POC of prioritized component

**Timeline:**

- 2 weeks of design exercises

- POC after

**High-level Architecture**

- Cef, Jia and Vinay to meet and discuss high-level arch (Yinan, care to join?)

- **(ACTION ITEM)** Vinay to coordinate schedule

**Sharing Software / Workflow**

- Look into the following:

* <http://www.myexperiment.org/>
* <http://www.taverna.org.uk/>
* <http://www.vistrails.org/index.php/Main_Page>

- Earth Science community uses Vistrails

**Manage Computing Power**

- Assumptions:

* Workflow items have pre-determinable costs (based on dataset size)
* Resource calculation algorithms to be provided by Jia's GAs
* Team build software based on algorithm

- Demo found here: <http://einstein.sv.cmu.edu:9007/estimator> (not fully functioning as of writing)

**Access Control**

- Only need to address sharing of resources (i.e. who can access what? access control lists)

**SOA-RA HW**

- Jia to upload example and guidelines for constructing SOA-RA hw

Feel free to add if I missed anything.

Thanks!

Cef