Data club: OSB updates

"Show and tell"

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OSBv1

Demo: www.opensourcebrain.org

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OSBv1: current status

- Maintenance mode: small bug fixes, minor enhancements:
  - Ankur's Kanban board (public).
- Consolidation of infrastructure on Google Cloud Services:
  - kubernetes (k8s):
    - also container based but,
    - better fine grained control of computing resources.
  - Continuous Deployment (CD) pipeline:
    - GitHub → CodeFresh → Google cloud → live!
  - MetaCell:
    - CloudHarness: cloud infrastructure manager.
  - Test OSBv1 deployment: beta.opensourcebrain.org.

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OSBv1: future plans

Maintain until OSBv2 reaches feature parity.

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OSBv2: the idea: closing the loop

- Modelling:
  - NetPyNE: Simulation and analysis.
- Experiments:
  - NWBExplorer.
- Workspaces:
  - both in one place,
  - sharing and collaboration.

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NWBExplorer revisited

http://nwbexplorer.opensourcebrain.org/

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NetPyNE UI

http://34.68.113.100/

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OSBv2: preview

http://www.v2.opensourcebrain.org/

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OSBv2: what to expect: design mockups

`https://www.figma.com` (evolving, not public)

OSBv2: progress and plans

- Short term (this year):
  - MetaCell's Kanban Board (public),
  - Outreach: early adopters, tweaks as per use cases,
  - OSBv1 sunset: when OSBv2 is ready enough,
- Long term (3–5 years: feature complete OSBv2):
  - MetaCell: user stories (airtable.com, not public).
- Long long term:
  - Maintenance: user support, bug fixes, security updates, infrastructure updates,
  - No end to integrations with new data sources, repositories.