BridgeDb Telcon 2019-05-24 (15:00 CEST)
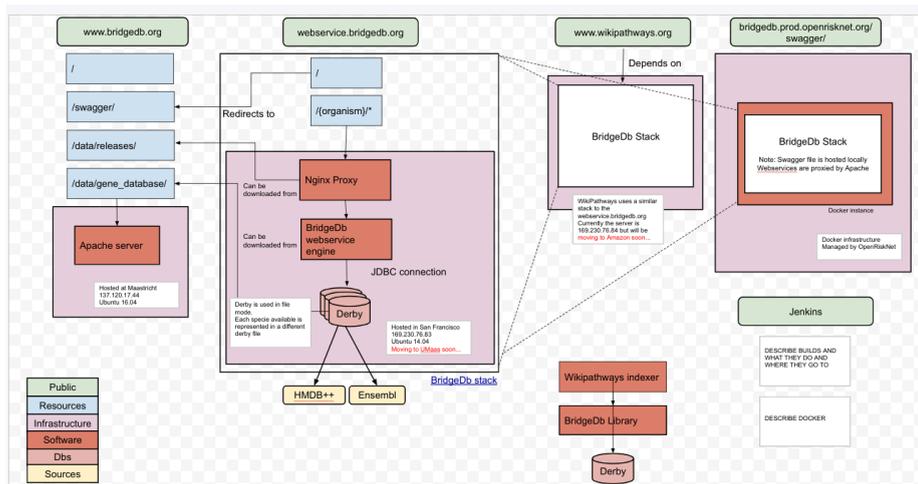
Present: Egon Willighagen, Nuno Nunes, Denise Slenter, Marvin Martens, Nick Juty, Chris Evelo, Friederike Ehrhart, Alasdair Gray
Dial-in: https://hangouts.google.com/call/os3OAYIiPZDxLpxKj0omAEEI
Time: 15:00 CEST

Agenda/Minutes

- Scientific Advisory Board
  - Combined with Dutch ELIXIR node SAB
    - Discussion ongoing
    - New proposal: someone experienced in tools
      - Candidates: Nick. Two more needed. Chris coordinates.
      - One from Dutch team (task set out)
      - Third candidate needed
        - Profile? User? Provider?
        - Maybe someone from CTS (UCDavis)? Gert or Diego?
        - Or MyGene.info (Andrew Su)
        - Maybe someone from a ELIXIR Core Resource
  - **Action all:** come up with names, arguments for next meeting
- Next steps for BridgeDb as ELIXIR RIR
  - Website update
    - Needed: "resource commitment"
      - + Acks
      - + History
      - Check funding and sustainability: https://www.bridgedb.org/development/
  - ELIXIR All-Hands
    - Egon: cannot go (: (already traveling two full weeks directly after that)
    - Going: Chris, Nick, Alasdair
    - BridgeDb poster that Chris will present
    - Any explicit expected from the BridgeDb RIR?
      - Chris will explore
    - RIR interoperability status?
    - FAIRSharing / Identifiers.org: support of identifiers as specs
      - Chemistry: GO FAIR ChIN?
        - Task: add linking between the two?
      - Nick mentions no clear 1-to-1 link
      - Chris: but we can be explicit in that
    - OpenAPI annotation with identifiers IRIs/terms with OpenRiskNet output
- Feedback on the new website(?)
  - File issues here: https://github.com/bridgedb/website/issues?q=is%3Aopen+is%3Aissue
  - Overview schema (external): https://github.com/bridgedb/website/issues/3
  - Overview services schema (internal): https://docs.google.com/drawings/d/1KUqouPPgcZEZ1NYNb8-QK8ID8ij7gxnA06efrz0w1gE/edit?usp=sharing →

- ○
  - ○ Task: File issues:
    - ■ Missing a 'What is BridgeDb' description → brief paragraph below bridge figures, linking to new page with more details, which is located in the 'about' menu item
    - ■ HWU logo should be updated with this one
      - https://www.dropbox.com/s/o1nm6tpfelj7wqb/HW-Logo.jpg?dl=0
    - ■ Development page mentions FAIRplus without any details
    - ■ Menu bar seems small compared to other text (website) --> Done
- ● Update on identifier mapping databases (e.g. change of responsibilities)
  - ○ Nuno: gene/protein mapping file
    - ■ Was outdated; code was fixed; and now can generate new versions from Ensembl; using Jenkins
      - ● Not for all species yet
      - ● Help welcome to update the configs for other species
  - ○ Denise: metabolites mapping file
    - ■ Some data source updates
    - ■ Still generated on Jenkins
  - ○ Denise: interaction mapping files (=reaction)
    - ■ Talking with Rhea
    - ■ Not on Jenkins yet
  - ○ Freddie: gene-variant mappings files
    - ■ Actual version is Ensembl 96/dbSNP 151 - online available on figshare
    - ■ Two files cause errors **(help needed!)**
      https://github.com/bridgedb/BridgeDb/issues/104
  - ○ Talks about disease ID mapping files
    - ■ Disease mapping tool (EBI/Orphanet) MOOBOR - Mapping Out Of the Box ORphanet (not yet active) (Marc Hanauer presenting)
    - ■ OxO tool / EJP-RD, FAIRPlus
- ● Google Summer of Code
  - ○ Manas
  - ○ Co-mentor required. Alasdair
- ● HWU/FAIRplus Research Software Engineer: how best to get involved with BridgeDb development work?
  - ○ Applications closing 31 May and would then need to be employed.

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  -
    -
      - Tweet this link:
        http://www.macs.hw.ac.uk/~ajg33/research-software-engineer-post/
    - ○ Are there specific tasks that would be useful for this person to do?
      - ■ This can be discussed offline/next meeting
- ● Start of a next major release (master branch) and current BridgeDb 2 series in maintenance mode (bridgedb2.x branch)
- ● New structure to BridgeDb /gene_database/ folder (now open)
- ● Biohackathon Paris
  - ○ Egon + Denise going, Alasdair will also be there
  - ○ Ponder about external funding
- ● Action points of last meeting:
  - ○ EOSCLife link to BridgeDb? Not sure?
  - ○ Chris: BridgeDb Swag? Chris will discuss with Rob.
  - ○ Action Marvin + Nuno: come up with a good suggestion (Docker)
    - ■ Marvin and I have a discussion and a good proposal going on in git. https://github.com/egonw/BiGCaT-ICT/issues/119
    - ■ Restructuring the data folders is part of the plan to create simple scripts that can be used for easy data deplyment.
  - ○ Nuno and Egon: get the BioSchemas in Wordpress released
- ● BridgeDb paper
- ● Next telcon

BridgeDb Telcon 2019-03-08

Present: Egon, Nuno, Denise, Jonathan, Marvin, Chris, Nick (Manchester University)
Dial-in: https://hangouts.google.com/call/os3OAYIiPZDxLpxKj0omAEEl
Time: 4pm CEST

Minutes
- ● BridgeDb is a ELIXIR RIR now! (we can communicate this now to the rest of the world, right? Tweet; add logo of Elixir to website and accompanying text; write small text for Elixir communication → Denise).
  - ○ Advisory board: https://github.com/bridgedb/BridgeDb/issues/80
  - ○ Add webpage for governance to main website (we have a text from the original proposal, see https://www.bridgedb.org/development/ (funding and sustainability).
  - ○ We can present it at ELIXIR all hands as a demo (all hands in Lisbon) and in the Biocurator RIR session (Denise). Do we want to do that?
    - ■ Yes
    - ■ Deadline demo ELIXIR end of this month (to be checked)
- ● Ensembl ID Derby mappings (Gene/proteins)
  - ○ https://github.com/JonathanMELIUS/BioMartScript
  - ○ (transfer ownership) → set up meeting Egon, Jonathan, +1
- ● Updates to main BridgeDb website (please check it out and give feedback)
  - ○ Menu bar seems small compared to other text
  - ○ Add Nick as collaborator for Carol Goble's team.
  - ○ Nuno and Egon: get the BioSchemas in Wordpress released
- ● Docker images updates

- - Set up in OpenRiskNet, available here: https://home.prod.openrisknet.org/
    - Two variants there:
      1. human + mouse + rat
      2. all species
  - Update releases?
    - Action Marvin + Nuno: come up with a good suggestion
  - Note to Nick: OPS IMS docker (on DockerHub) is working but needs updating
    - Used in two papers:
      1. Gene variant: Pre-Print: Providing gene-to-variant and variant-to-gene database identifier mappings to use with BridgeDb mapping services. Ehrhart F, Melius J, Cirillo E, Kutmon M, Willighagen EL, Coort SL, Curfs LMG, Evelo CT. F1000Research 7 (2018) [version 1: awaiting peer review].
      2. ...
- WikiPathways/ BridgeDb webservice (and updating).
  - Relate with Docker (prev point)
    - Egon: makes sense to me
  - Action: migrate webservices.bridgedb.org to Maastricht
- Data storage / DOIs, short IDs?
  - Metabolite mapping files are archived for some time on Figshare now, get a DOI #FAIRData
  - Egon and Nuno discussed this yesterday, two actions:
    - make space for https://www.bridgedb.org/data/gene_database/
    - Make a BiGCaT DMP (already a task)
- Goliath, what needs to be done to announce it as an alpha : https://github.com/bridgedb/goliath/issues Add issues please!
  - Action: Nuno will ask feedback on BridgeDb mailing list
- Project updates
  - FAIRPlus and federated Open PHACTS
    - FAIRPlus: four data sets; first "squad" is next week, discussing the first two data sets. Squad 1 is led by Nick (telcon next Wednesday); Squad 2 is Melanie Courtot. F2F in Hinxton in April.
      1. Squad info: https://docs.google.com/spreadsheets/d/17i7w0OVvdiLDeQNtET6 0hmtvOTK2aIm7YyPCwUKq3cI/edit?hl=en#gid=0
  - EOSCLife link to BridgeDb? Not sure. Nick will keep a lookout.
    - Nick (MU), Chris (but 0 months)
  - EJP RD will do extended variant mapping (but that actually goes beyond BridgeDb)
  - OpenRiskNet Data Curation case study has ID mapping
- Chris: BridgeDb Swag? Chris will discuss with Rob.
- Next meeting: May 13th, time: 1pm CEST

BridgeDb Telcon 2018-06-21

Dial-in: https://hangouts.google.com/call/Lvsq-NZvhJFnuxc1C9TrAAEI
Time: 4pm CEST

Minutes

- Possible link set specs updates?
  - BioSchemas for data set description
  - BioSchemas <> OPS VoID headers <> W3C HLCS Note <> DCAT1.0/1.1?
    - Where are the overlaps? Which terms are equivalent?
    - What are the properties that are actually important to us?
    - Are we looking to support lenses? This affects what would be important to us.
      - Support for lenses is essential.
      - Then OPS is pretty minimal in what we need
  - How lenses work in OPS?
    - Default lens in OPS
    - users can choose other lenses (in API)
    - Link sets are linked to one or more lenses
      - By choosing a lens, the IMS identifies which linksets are used
- Two [BridgeDb IMS use cases in R](#)
  - [Mashup with nanopublications](#) (with only Ensembl<>NCBI Gene)
    - N=1, http://identifiers.org/ensembl/ENSG00000181852, 0, 107+4
    - N=2, http://identifiers.org/ensembl/ENSG00000198947, 3, 3
    - N=3, http://identifiers.org/ensembl/ENSG00000172493, 0, 0
    - N=4, http://identifiers.org/ensembl/ENSG00000139618, 2, 2
    - N=5, http://identifiers.org/ncbigene/5473, 229, 229+4
    - N=6, http://identifiers.org/entrez.gene/672, 0, 1000+225
  - [Use R to go back and forth between gene and variant](#) (with gene-variant LSs)
  - Use for gene-variants
    - No, this does not use lenses
    - Alasdair: swap *linkPredicate* and *Justification* to get lenses, at the moment all the linksets say that they are equivalent based on the fact that they are the same gene (sio:SIO_010035)
      - Update VoID accordingly
    - AG: linkPredicate is expected to be a mapping relation, e.g. skos:exactMatch, skos:broaderTerm, etc.
    - AG: justification is used to explain why the equivalence relationship holds, e.g. same gene, gene variant, etc
    - AG: Then you could have a lens that uses equivalences where they are the same gene but not gene variants, and another where both would be included.
- Do we want to propose a topic at the [BioHackathon](#)
  - Yes! Egon starting that in 2 weeks. Deadline for [application](#): July 12th, 2018
- [ELIXIR Metabolomics Implementation Study](#) ([roadmap](#) topic)
  - 5 days of work for making ID mapping databases
- BridgeDb paper (again)
- BridgeDB server / server updates

BridgeDb Telcon 2018-04-18

Dial-in: https://hangouts.google.com/call/_TtXbtwkkOJUKe_flFnlAAEI
Time: 7pm CEST

Summary
We set a schedule of one telcon every two months, the first next one in June. They will be held on a Wednesday, but the same one as a WikiPathways telcon, at 16:00 CE(S)T. We briefly discussed the 2.3 release and what downstream tools already have been and remain to be updated. We assigned people responsible for particular tools. With that release out of the door, end of May a full draft of the BridgeDb paper should be ready (email Egon if you wish to contribute). Chris proposed a high level, high impact paper, in parallel to the current more technical one, and will take a lead on that. New development will happen in master, and minor releases for 2.3 will be using a branch. Egon will ensure patches for ported to master. Finally, Marvin and Jonathan have been working one Docker images for the regular BridgeDb and the BridgeDb-IMS.

Agenda + Minutes
- Decide on a suitable time/date
  Suggested to do it once every two months.
  Prefer not to do two in a row…
  - Every 2 months; not a Wed where there is a WikiPathways telcon
  - Pick a CET time? Should be 16.00 CET to make sense.
- BridgeDb 2.3 release update
  - Downstream updates needed
    - datasources.txt on wikipathways.org and bridgedb.org
    - GPML RDF creation on Jenkins (done)
    - WikiPathways Client (Tina/Egon)
    - PathVisio (Tina/Egon)
      - Datasource selection: remove swissprot
    - pvjs
    - BridgeDb webservice (Jonathan/Egon)
      - Where does it get datasources.txt? Jar, we think.
      - Will be updated when new Ensembl data is ready
    - Cytoscape apps
      - ~~WikiPathways app (Adam)~~
      - ~~Idmapper app (core Cytoscape) (Adam)~~
      - BridgeDb app (JJ Gao)
      - CyTargetLinker app? (Tina)
    - Bioclipse plugin (Egon)
    - BridgeDbR package (Egon)
      - *After* Bioconductor 3.7
    - Local installed webservice (?)
- BridgeDb paper (draft)
  - Target date: end of May

- ○ Purpose? Do we maybe need two papers? One about the importance of mapping for FAIR data and another about technical developments?
  - ○ Chris and Egon will pick up a high level pitch paper
- ● Development branch?
  - ○ Current master for 2.3.x minor releases?
  - ○ Master for development and branch for 2.3.x for minor releases?
  - ○ Make sure README describes release management, e.g., what master is.
- ● Docker images
  - ○ Old style BridgeDb (Marvin)
    - ■ Almost done, soon more documentation (like better README)
    - ■ https://github.com/bridgedb/docker
    - ■ Available from DockerHub
  - ○ BridgeDb-IMS (Jonathan)