

1. [Delivery] New ALA portals coming, some during the CESP project 2018 [Marie]
  - a. Canadensys, already launched in 2017
  - b. Estonia within CESP
  - c. Benin within CESP
  - d. Andorra
  - e. Catalonia during 2018
  - f. RI PORBIOTA during 2019 (hub of GBIF Portugal)
  - g. Azores during 2019 (hub of GBIF Portugal)
  - h. Suriname by September 2018
  - i. Northern Ireland for NBN
  - j. Brazil
  - k. Austria (launch hopefully in 2019)
2. [Delivery] New modules coming:
  - a. Regions in GBIF Spain. [Regions, Images, Species, and Species List and ALA4R in GBIF Spain](#)
  - b. Spatial module for Sweden (beta version)
  - c. Upgrades for GBIF Spain and GBIF France. [GBIF.ES upgraded LA software to the latest versions](#)
  - d. BIE modules for CrBIO
  - e. Spatial and images modules in 2018
  - f. Taiwan will use LA
  - g. Norway will install LA
  - h. Brazil intends to install CAS and Regions until the end of 2019
  - i. Guatemala: ALA running since November 2018 (<http://snidbgtbio.conap.gob.gt/>), for 2019 Install Spatial Portal, Regions, Authentic Module (Just wait for new servers VM).
  - j. GBIF-Argentina upgraded LA software to the latest versions (December 2018). Image module was added (January 2019). Species and Spatial are on beta version.
  - k. Norway will install the Living Atlas - initial focus on Collections (2019) - planning to expand for sampling event data (2020) - research application (Living Norway) submitted with expected decision in September 2019
  - l. Hubs for Northern Ireland and the Isle of Man, invasive species portal for Wales, sensitive data downloads for approved users; NBN making customizations in BIE to develop new place/location-focused module that will share
  - m. VCE (not a module, a mapping page) Leaflet maps that use various APIs ALA, iNat, eBird. In 2019: ALA core, spatial, regions, (cas).
  - n. Austria will use LA - modules additional to core: regions, profiles, sds, spatial portal, digivol
3. [Delivery] Once a new Atlas is released you should create some description about the infrastructure in ALA GitHub (<https://github.com/AtlasOfLivingAustralia/documentation/wiki>). Information needed for:
  - a. Atlas of Living Australia

- b. NBN
  - c. Canadensys
  - d. GBIF Sweden - will soon update the info on the wiki with info for the cloud deployment of <https://beta.bioatlas.se> which uses a small cluster for the production deployment
  - e. GBIF Argentina. We need to update this
  - f. CRBio
  - g. GBIF Portugal
  - h. GBIF Estonia Missing
  - i. GBIF Spain. Done
  - j. GBIF Benin: missing
  - k. Vermont Center for Ecostudies (USA): missing
  - l. GBIF Togo: missing
  - m. Guatemala: adding the information in the next days.
  - n. Living Norway: <https://livingnorway.no/> (only communication page)
  - o. TaiBIF (more details later)
4. Contact GBIF Secretariat for recommended tools and better communication in the LA community : Sophie and Marie (update on LA community news)
  5. Put the code of your Atlas in GitHub organisation to help facilitate reuse and show the community what you have done. Keep GitHub repositories updated with your latest changes. We must share the code (wherever that is) before 5 May. It should be possible to track changes and get them back. It is convenient to have it on GitHub to track it better. It is not just about sharing the code but doing it in the right way. Technical coordinator should take care of this. He could outline the best way to do it, give some examples. See Software carpentry exercises on Git. And <https://guides.github.com/> for the GitHub Flow way of making changes. Estonia made significant modifications using forks. Unfortunately these modifications haven't been pulled back into the master branch on [github.com/atlasoflivingaustralia](https://github.com/atlasoflivingaustralia). If we had used branches instead of forks for these significant changes, then the ALA team and the LivingAtlases community would have perhaps had better visibility of this work and ongoing changes.
    - a. Who is missing : Add your name here
    - b. New additions:
      - i. GBIF Andorra
        1. Generic-Hub: <https://github.com/Bineo-Consulting/generic-hub-ad>
        2. Biocache-Hub: <https://github.com/Bineo-Consulting/biocache-hubs-ad>
        3. Generic-Collectory: <https://github.com/Bineo-Consulting/generic-collectory-ad>
        4. Collectory-Plugin: <https://github.com/Bineo-Consulting/collectory-plugin-ad>
      - ii. Catalanian hub:
        1. <https://github.com/Bineo-Consulting/diba-generic-hub>

2. [https://github.com/Bineo-Consulting/diba-biocache\\_hub-plugin](https://github.com/Bineo-Consulting/diba-biocache_hub-plugin)
3. <https://github.com/Bineo-Consulting/diba-charts>

6. Create a page on the [living-atlases.gbif.org](http://living-atlases.gbif.org) site that lists all the Github organisations for each node. Marie (TO DO 2019)
7. Any other ALA developer should join the ALA mailing list (to help Dave) : Nick (I've sent a request to our internal Slack channel - NdR)
8. Matt will send an invitation to all participants in the workshop to join the ALA mailing list. Done. Mailing list: <https://lists.gbif.org/mailman/listinfo/ala-portal> [DONE]
9. Living Atlases website :
  - a. Send comments for improvements (ALL) and pull request (in progress)
  - b. Improve documentation (Vicente - Marie)
10. Upload materials from this workshop in the LA website and in the workshop web page: <https://www.gbif.es/talleres/taller-internacional-living-atlases/>
11. Talk to Marie if you want to present your tool at the ALA workshop at TDWG 2018  
Done
12. Keep the LA community informed about other calls for funding (Marie). *Would anyone would be interested in hosting the next workshop? Inform Marie. Where should be the focus? Possible topics: docker, good practises on documentation and best practice with Git (code management, branches, forks). Marie will share a survey to participants.*
13. Rui can send a reminder to the community to be aware of conferences / meetings that the Living Atlas community should have a presence at. A member of the community should be able to present to groups such as: LifeWatch, Dissco, LTer, ICRI conference
  - a. *biodiversity\_next, Leiden, Oct 2019. Already targeted, through a proposed seminar to TDWG by the Living Atlases community.*
  - b. *15th European Ecological Federation (EEF) Congress, Embedding Ecology in Sustainable Development Goals, <https://eeflisbon2019.org/>. Because this congress is the largest on Ecology at European level, it might be a good forum to advocate the Living Atlases to final users. Topics are: <https://eeflisbon2019.org/en/content/sessions/topics/topics-2.html>. Deadline for abstract submission: 13 March, 2019 (<https://eeflisbon2019.org/en/content/key/key.html>).  
We need to have good audience in the BN symposium. We should invite people and make a good communication outreach in social networks. It would be nice if people could prepare feedback before the symposium. We should have that in mind when advertising the symposium.  
We need to prepare a communication plan. And we should modernize our web page. Possible to do it with in kind contribution?*
14. Develop landscape analysis about research infrastructures in each region and explore applications of LA in these (e.g. European Science Forum for Research Infrastructures (ESFRI) Roadmap 2018). Contact node managers to develop such landscape analysis.

No actions made! To start, it would be interesting to see which countries in Europe that adopted the Living Atlas are participant in ESFRI Research Infrastructures, in fields of Environment and in Health and Food. This can be done easily though consultation of the ESFRI Roadmap 2018 (<http://roadmap2018.esfri.eu/>). The RI potentially related to ALA are: LifeWatch, DiSSCo, eLTER, EMBRC (Marine Biodiversity), ANAEE.

This cross analysis might be done also for RI at national level, which documents are also available: <https://www.esfri.eu/national-roadmaps>.

The experience of the Living Atlases might be interesting for other RIs that are taking first steps in developing digital platforms for their repositories. For example, the Portuguese node was contacted by ROSSIO, a national RI that wanted to know more about ALA platform, in their initial assessment of available resources in the field of Social Sciences and Humanities. The ALA could serve as a case study for RIs, and also a source of good practices.

15. Improve the documentation even if not perfect/full. Fabien will structure the documentation  
[Coordination with Vicente and Fabien to explain the documentation made.](#)
16. [Delivery] Make the exercise, add information and results as much as possible, add it to the GitHub account: Sharon, Marie, Chihjen, Manuel, Jaime

2019

17. Send a form for governance and next workshop (Marie)
  - a. Use of Travis by nodes?
18. Contact CTO LifeWatch (Marie) :
  - a. Discuss with the interim management committee about how to approach him
  - b. What do we want to explain ? To show about the developer community ? Spatial portal / ALA4R ? EU but global