International ALA workshop

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ALA History

• ALA started in 2008
• GBIF node for Australia
• 2009 = Development team of 2
• 2010 = Development team of 30
  – 30 million AUD 2010-2012
• 2016 = Development team of 10
• Currently focussing on:
  – Names and taxonomy for Australia
  – Profile editors
  – Citizen science tools
  – Redevelopment of spatial portal & services
International collaboration

- Costa Rica workshop 2013
  - GBIF mentoring project
- Canberra workshop July 2014
- GBIF Paris workshop 2015
- CoopBioPlat, Madrid & Lisbon 2015
- Madrid October 2016
ALA Demo and beyond

• ALA has lots of modules!
• ALA Demo playbook
  – Installs core components
    • Occurrence store (biocache)
    • Registry (collectory)
    • Name indexes
• Ansible scripts for all components
  – Spatial modules
  – Images
  – Species lists
  – Species pages
  – Citizen science components
Production installations

- Spain
- France
- ICMBio Brazil
- Costa Rica
- UK (Scotland)
- ...and Australia of course!
Grails

- MVC framework
- Groovy language
- Plugin architecture
- Good IDE support
- Rapid development
- sdkman is your friend!
Ansible scripts

• Installation scripts for ALA
  – Every ALA component has an Ansible script
  – Full installation
  – Used by ALA to deploy to production environments

• Wrapper for SSH commands

• Current ALA scripts are for Ubuntu 12,14
  – Updating to 16 on roadmap
Ansible

- **Playbooks**
  - Scripts which install databases, webservers
- **Inventories**
  - Tells the scripts where to deploy
  - Deployment specific
Vagrant

- Use vagrant to test Ansible scripts
- Not required for deployment
RoadMap

- See GitHub page