

# Information System – BDII: status and plans

**Alessandro Paolini**

OMB 15<sup>th</sup> Nov 2018



---

[www.egi.eu](http://www.egi.eu)

This work by EGI.eu is licensed under a  
[Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).

- Dropping the BDII service (at least for computing resources)
  - OSG stopped the use of BDII last year
- Working to publish few information in a json format
  - On-going discussions on the attributes, the structure, and the place of the json files
  - Willing to abandon the usual hierarchy top – site - resource bdii

## (immediate) Consequences on EGI Infrastructure

- NGI\_UK: plans for dismissing in 2019 all the site-bdii (19) and top-bdii (3) services in agreement with WLCG
  - For more details, see the NGI\_UK slides
- NGI\_UK resources no more visible in EGI through the BDII (service used for resources discovering)
- Other RCs may follow the example

- HTC, Storage, Cloud resources discovery (static information)
  - VAPOR <http://operations-portal.esi.eu/vapor/>
  - Infrastructure capacity
  - VO information
  - O.S./Middleware/Software version
    - Nagios probes detecting unsupported versions
    - Software decommissioning campaigns
    - Security monitoring
- Resources status (dynamic information)
  - Information in (almost) real time on resources usage (per VO)
  - Allow to detect problems in case of wrong infos published

- A lot of improvements over the years:
  - Performances, information provided, GLUE2,...
- It became a robust and reliable service, so EGI does rely on BDII
- GLUE2.1 Schema
  - Introducing Cloud and GPGPU services
- It seems that the discontent is more on the (amount) of information (and for validate it) ...
  - The information try to cover all the use cases
- ... and on the ldap implementation
- It is not a service that can be stopped from one day to another without repercussions and without having a valid alternative good for all the infrastructure

- BDII product is still supported and it is funded in EOSC-hub
- Join the efforts with WLCG to work on an alternative that:
  - Takes into account all the use cases (in terms of information to publish)
    - The change should bring a gain, not a loss
  - Follows the Glue Schema
    - It is a standard ensuring consistency and coherence
    - Good representation of the services
- Json implementation as alternative to ldap
- Possibly keeping the current hierarchy level

# Thank you for your attention.

## *Questions?*



---

[www.esgi.eu](http://www.esgi.eu)

This work by EGI.eu is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).