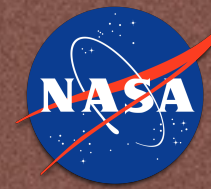


8th annual EARTH SYSTEM GRID FEDERATION



ESGF Errata Service for CMIP6

Errare humanum est ~ To err is human

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December 5th, 2018

Plan:

- Overview
- Progress & accomplishments
- Short demo
- Roadmap & developments



The "Errata Service" before CMIP6

Houston ?
We've had a problem...



The "Errata Service" before CMIP6

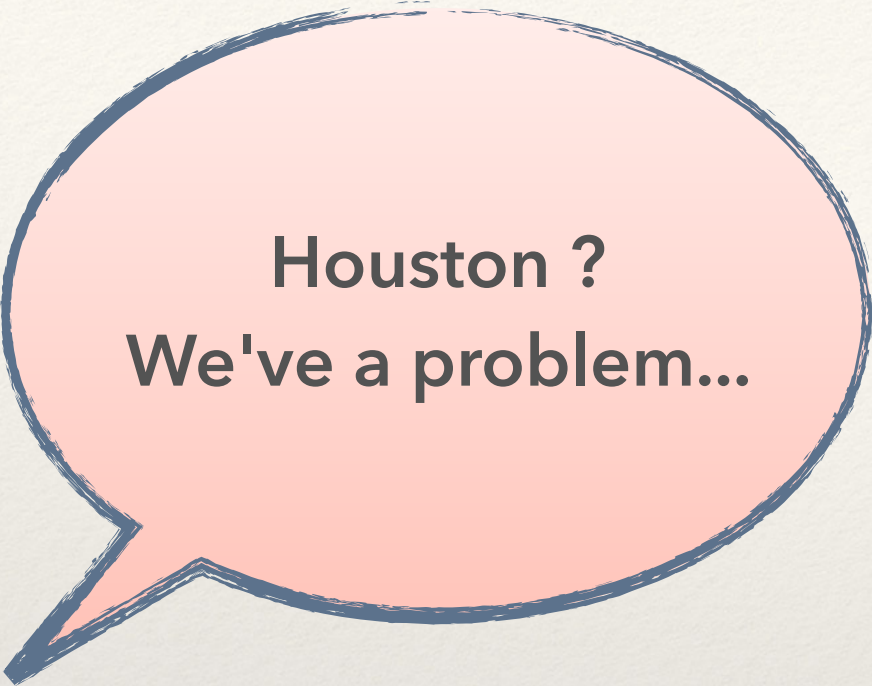
Houston ?
We've had a problem...

- ✓ Centralized issue management
- ✓ Standardized issue template
- ✓ Easy access to timely information
- ✓ Version tracking with related issues

GOALS



The Errata Service for CMIP6 and more



Houston ?
We've a problem...




Check
errata.es-doc.org

The Errata Service's success depends on only one condition...

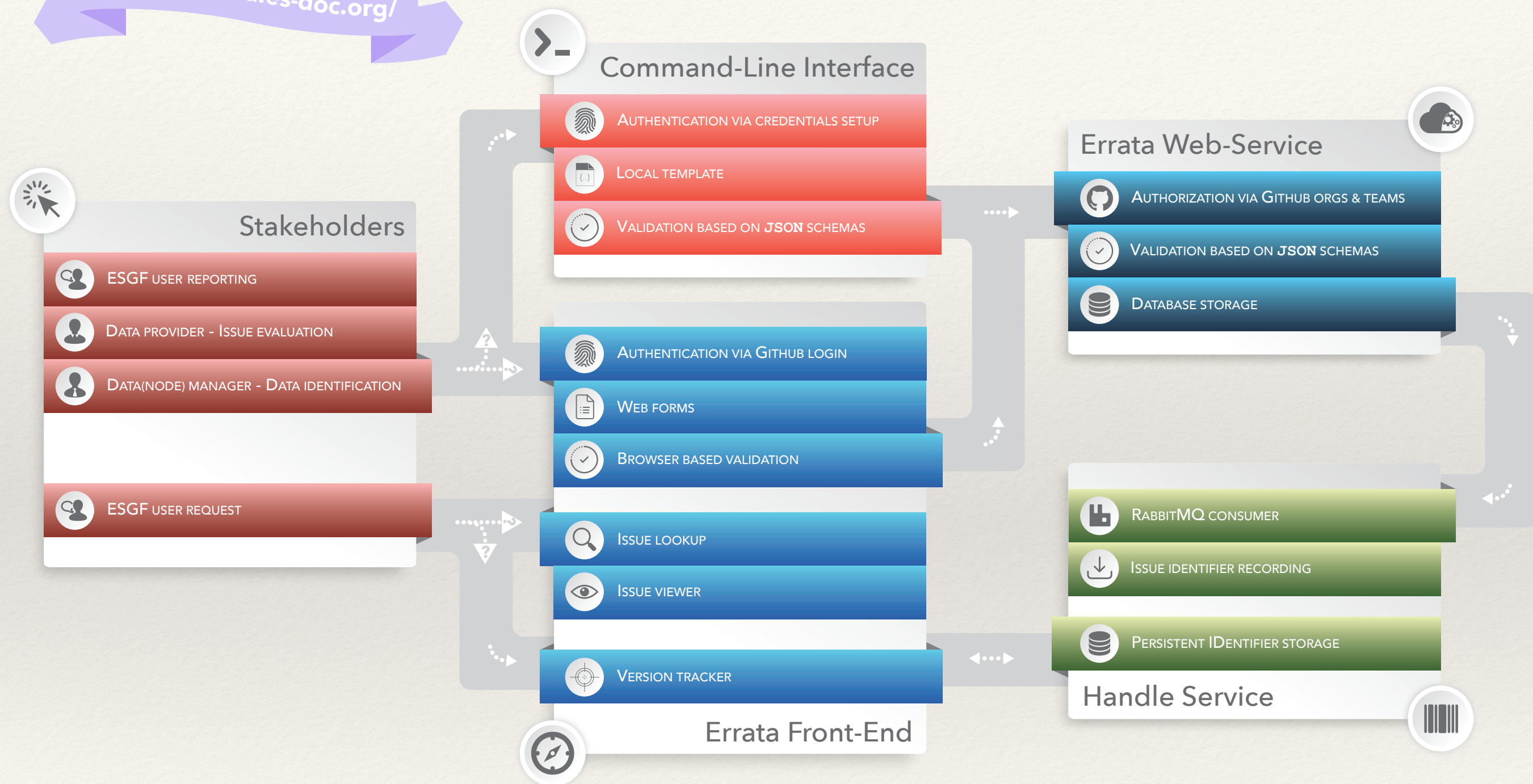
... any kind of error or mistake leads to a version change of a dataset and, conversely, **any change of a dataset should be justified by an issue.**

The Errata Service in a nutshell

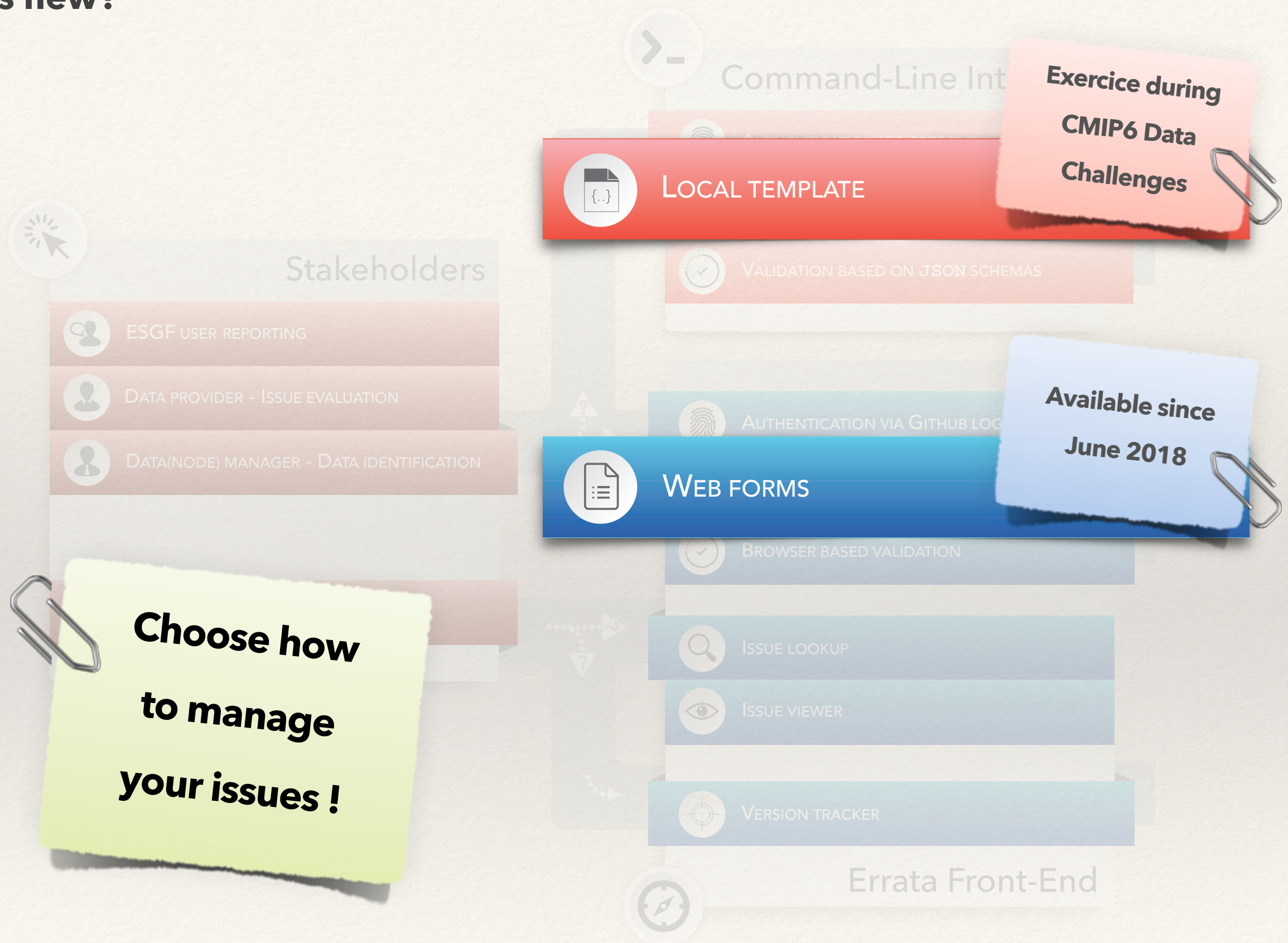
branded by  **es-doc**
Earth System Documentation

and in collaboration with  **DKRZ**

<https://errata.es-doc.org/>



What's new?



What's new?

Easily
accessible

Front-end
screenshots

Step-by-step
tutorials

CLI
screencasts

API endpoints
description

ESGF Errata Service

0.3

Search docs

Look up an issue
Track a version
Issue Viewer
Log in to the Errata Service
Create an issue
Update an issue
Close an issue
Command Line Interface
Application Programming Interface
Frequently asked questions
Credits
Changelog

**Documentation
completely
reviewed !**

[Docs](#) » ESGF Errata Service

[View page source](#)

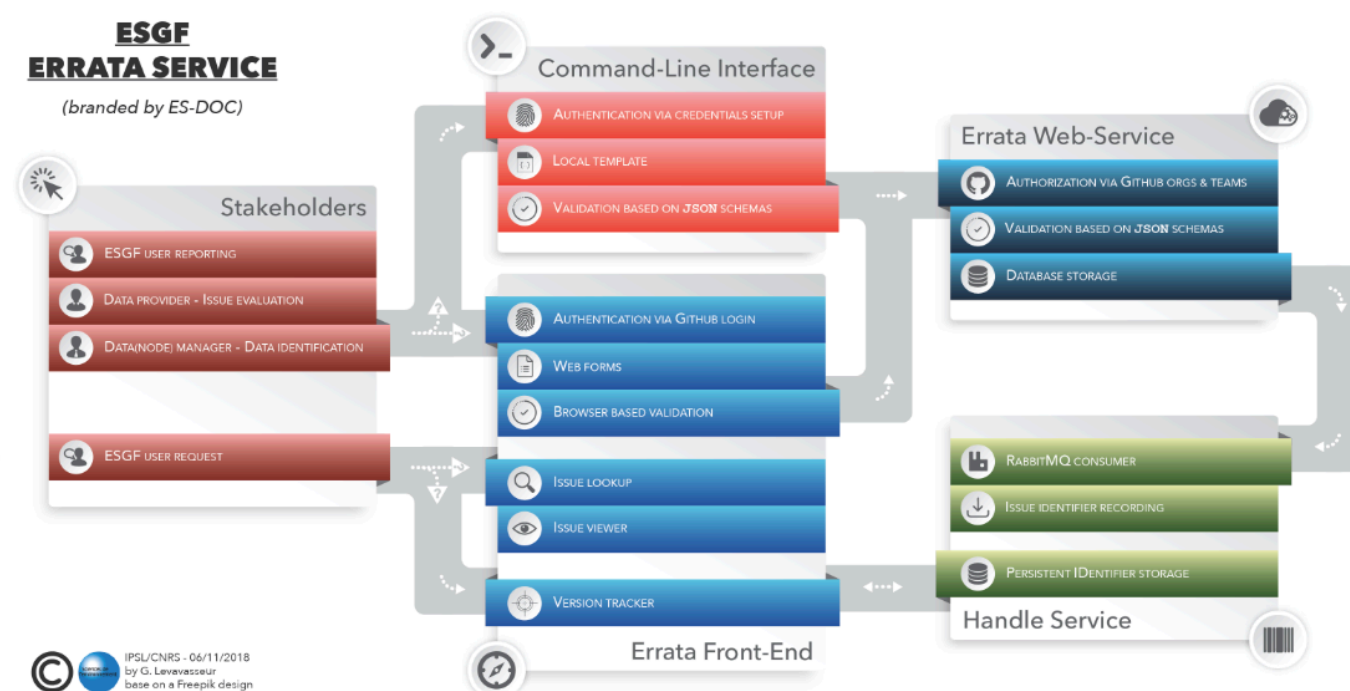
ESGF Errata Service

As part of the [ES-DOC](#) ecosystem, the Errata Service centralizes timely information about known issues of ESGF data.

Proper handling of errata information in the ESGF publication workflow has major impact on the quality of data. Version changes should be documented and justified by explaining what was updated, retracted and/or removed. This leads to the unspoken rule that any publication of a newer version of a dataset needs to have a valid motivation, which we will refer to as an issue. Consequently, the publication of a new version of a dataset, as well as the unpublication of a dataset version, has to be motivated by an issue and conversely.

Note

The issue registration should be executed prior to the publication process and is ought to be mandatory for additional versions, version removal or retraction.



What's happened since our last F2F?

CMIP6 Data Challenges provided a lot of useful feedbacks !
Many thanks to all DC participants !



We've been in production since



But...

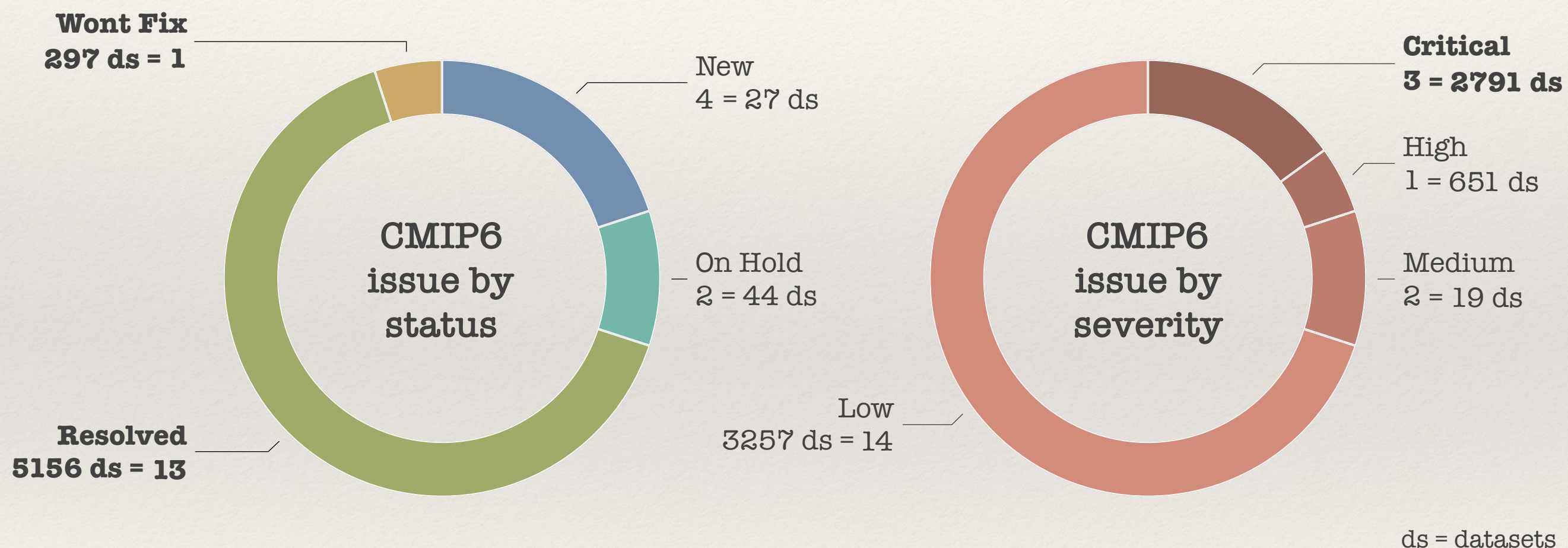
- ✓ a minor issue related to PID ingestion due to password change on IPSL RabbitMQ instance.
- ✓ some minor bugs related to front-tend display features.

What's happened since the ESGF opening to CMIP6?

Of the 21478 CMIP6 datasets (without replicas) currently published on ESGF

5403 datasets affected by at least one issue or 25% of the current CMIP6 archive.

20 CMIP6 issues currently declared on the ESGF Errata Service



Fortunately, most of the issues are related to metadata and/or coordinates.

<https://errata.es-doc.org/>



**Feel free to ask
a F2F demo after
the presentation**



**"Docs" button on top of
the home page**

"What else?"

● WE PLAN IT...

- Improve error messages from the server: What's wrong in my form/template, why I'm getting this error?
- Add PID lookup to the command-line client: **\$> esgissue check**
- Communicate best practices over the world ! (Please, we need you again...)

● WE THINK ABOUT IT...

- Add support of "info" errata about no published datasets.
- A notification system to allow users to subscribe to an "issue flux".

● WE DREAM ABOUT IT...

- Errata statistics endpoint
- More integration of the Errata Service into CoG:
 - ▶ How third-party services can add useful info into Solr metadata?
 - ▶ Green/red flag before download based on asynchronous requests to the Errata Service API?



Thank you for your attention !

- ▶ *Developers :*
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 - Katharina BERGER (DKRZ)
- ▶ *Acknowledgments:*
 - Martina STOCKHAUSE (DKRZ)
 - Tobias WEIGEL (DKRZ)
 - Ag STEPHENS (CEDA)
 - Alan IWI (CEDA)

② <https://errata.es-doc.org> and click on "Docs" button