DIRAC Web portal development and perspectives

Matvey Sapunov, CPPM
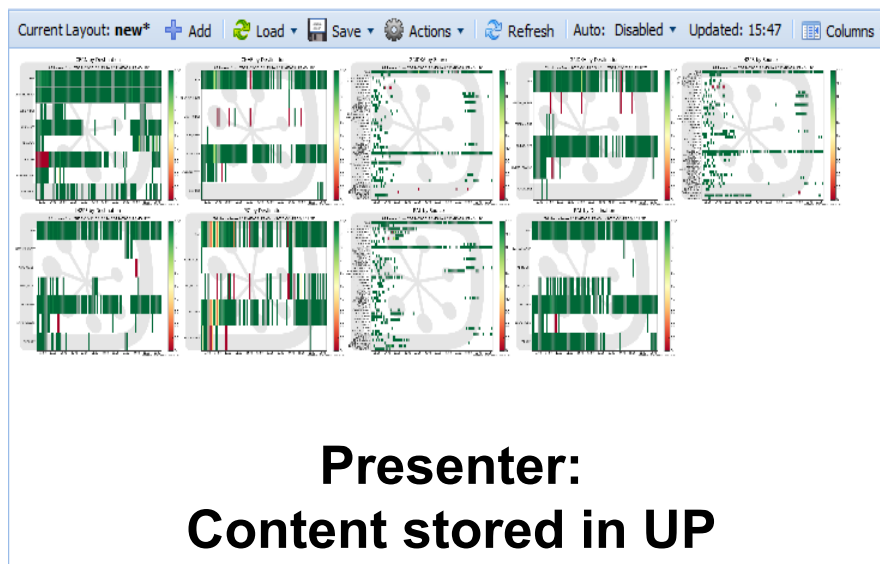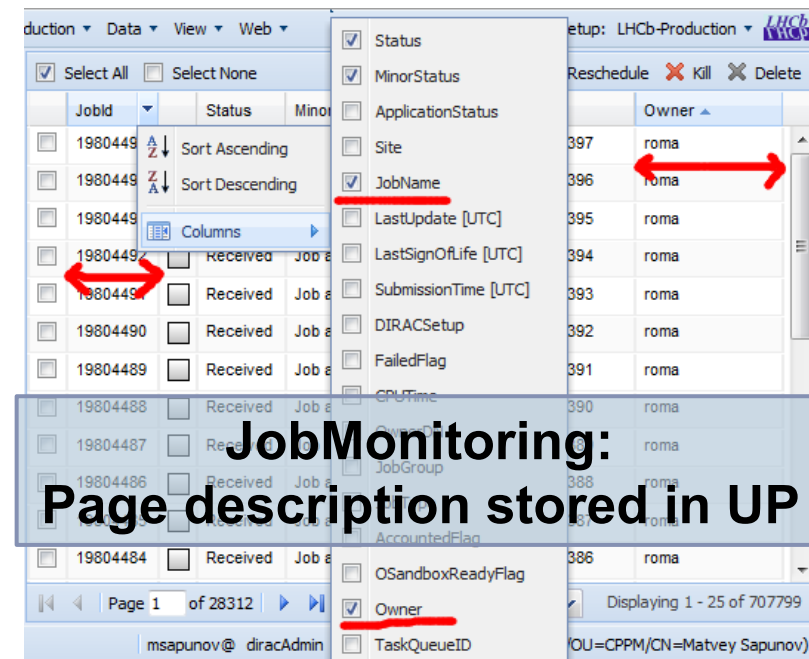
- ▶ User Profiles

- ▶ MetaData File Catalog

- ▶ Helpers for DIRAC administrators

- ▶ Administration interface

- ▶ Bug fixes and feature requests for current pages

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- The main idea is to keep the state of the web page on the server side

- User could have several profiles per a page and per DIRAC group

- Availability to switch the profiles and so to change the representation of the data or the content of a page

- Users should be able to share their profiles among themselves

‣ **Overall, user profile is just a textual information**

  ‣ Can be the description of a page like columns width or set of the selectors

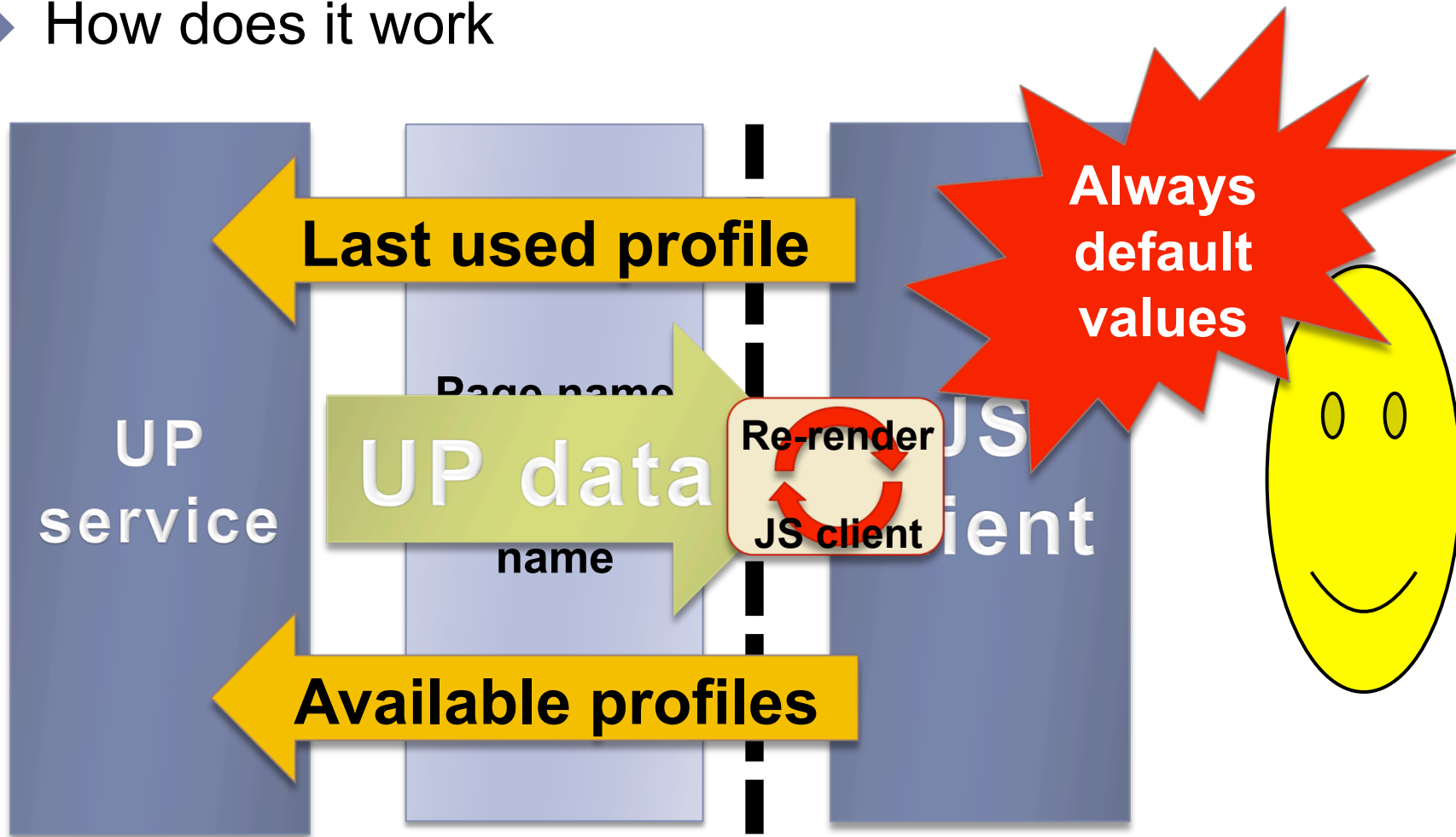 ‣ Can store the content of the page like set of URLs for Presenter page

**Presenter:
Content stored in UP**

**JobMonitoring:
Page description stored in UP**

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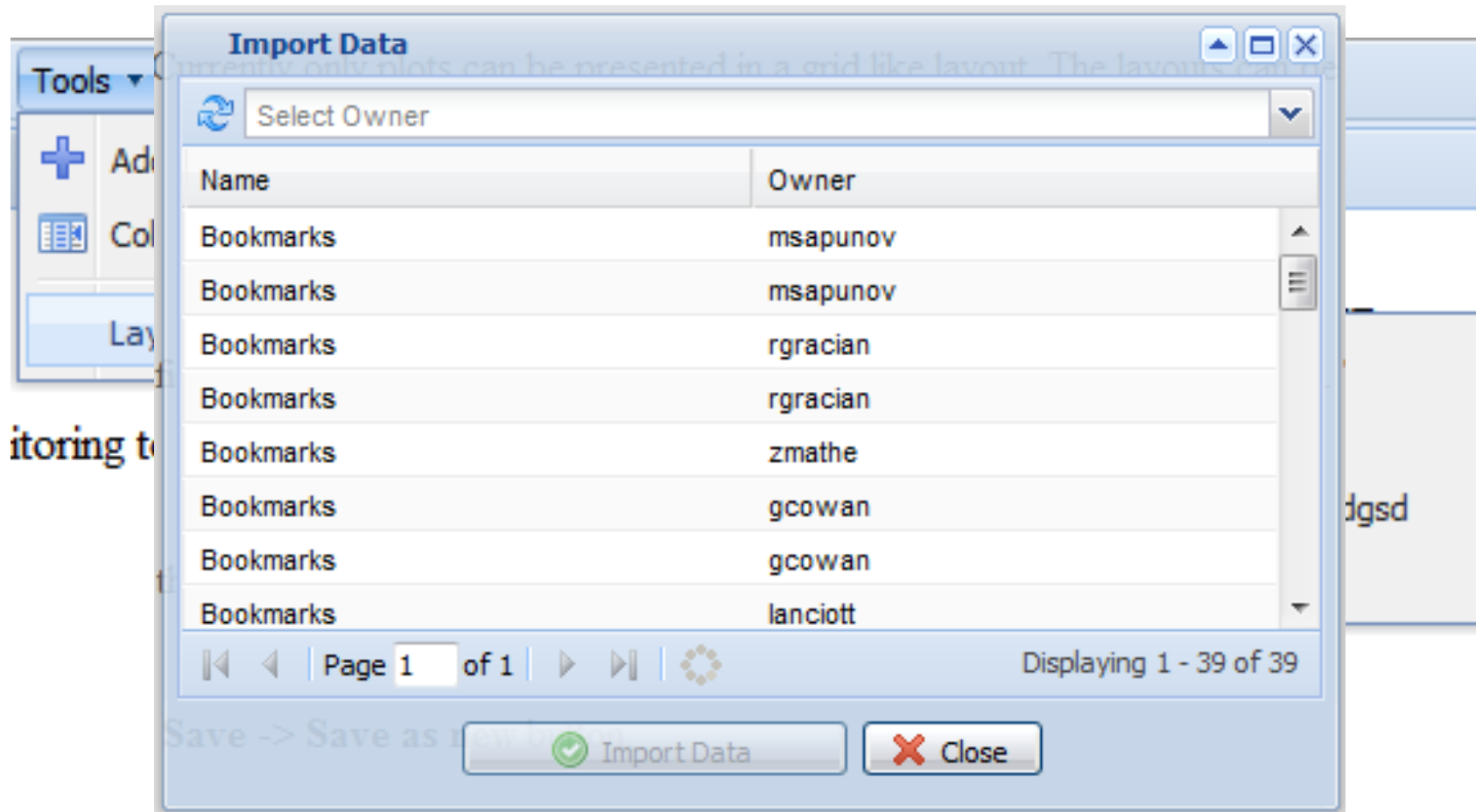
▸ How does it work

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- Load of a profile is not an instant action. On slow connections loading of a profile could take several seconds before client starts to re-render itself

- If a page depends on data provided by UP service, like Presenter, the service failure effectively means an error message and the blank page

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- Linux like access control list
    - Global read access
    - Group read access
    - User read/write access
    - VO aware
- DIRAC Administrator has no rights to read profile of a user if global read flag is not set
- Imported data has to be saved in current or new profile otherwise changes will be lost
- Profile name can be used as the profile description and it's limit up to 255 characters which is almost two times more then a tweeter message

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▸ **Example of import profile dialog based on ACL**

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Current status

▸ User Interface is ready apart from UP editor

▸ Actively testing all service calls

▸ Will be available in the new release of Web Core in two weeks (Presenter only)

▸ Other pages will incorporate UP ability later this summer

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- Provide a tool to navigate, to select and to save data stored in the MetaData File Catalog

- Efficiently works with data from any place with internet connection

- Same functionality as in command line client

- Permissions aware

- Based on code of LHCb Bookkeeping web client

- Dynamically add new kind of selectors for different type of meta data

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▸ Example of user interface

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FileCatalog Client

also used by CLI

Data to work with, list of LFNs

Statistics

Number Of Files:

324

Number Of Events:

Save dialog

C=FR/O=CNRS/OU=CPPM/CN=Matvey Sapun
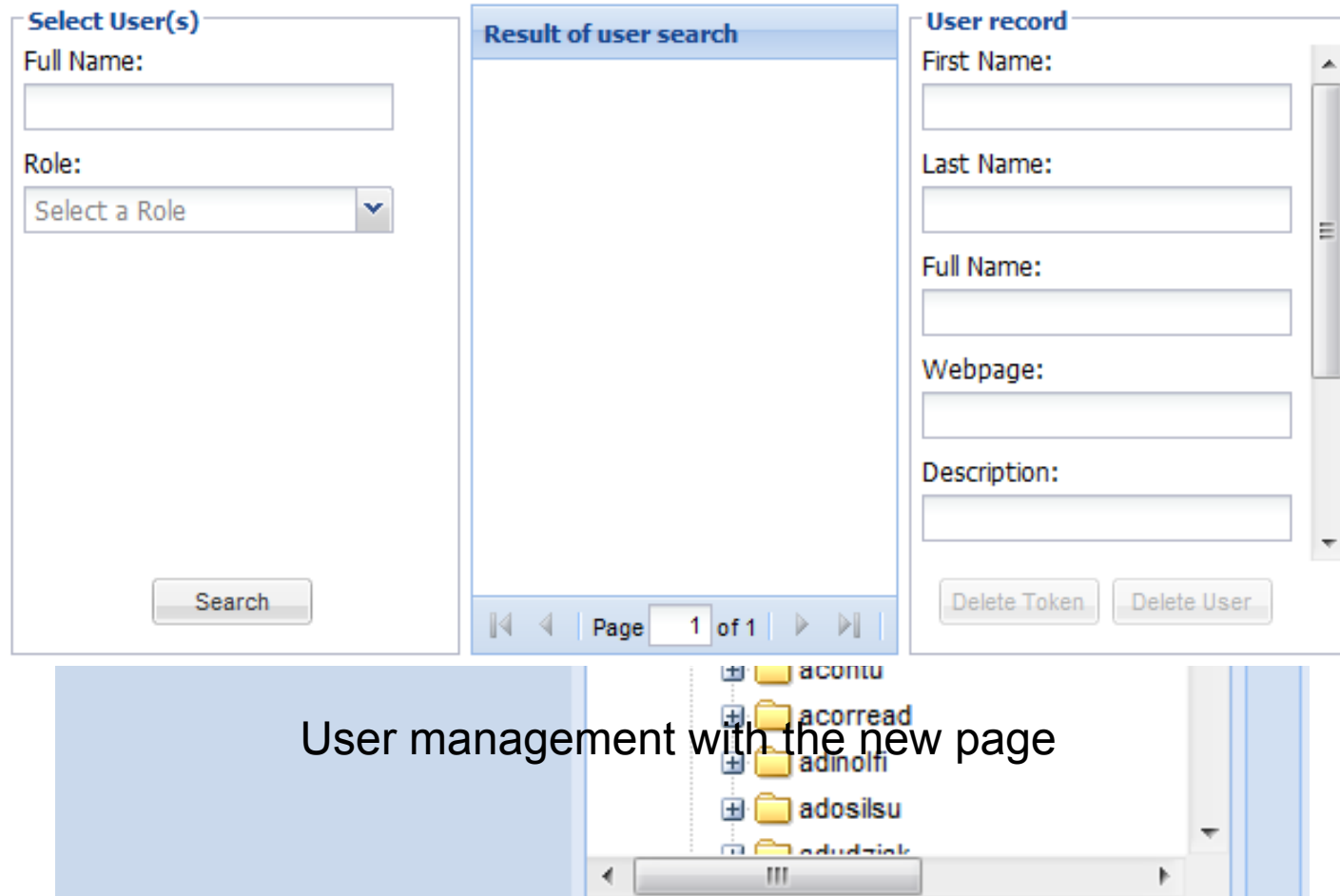
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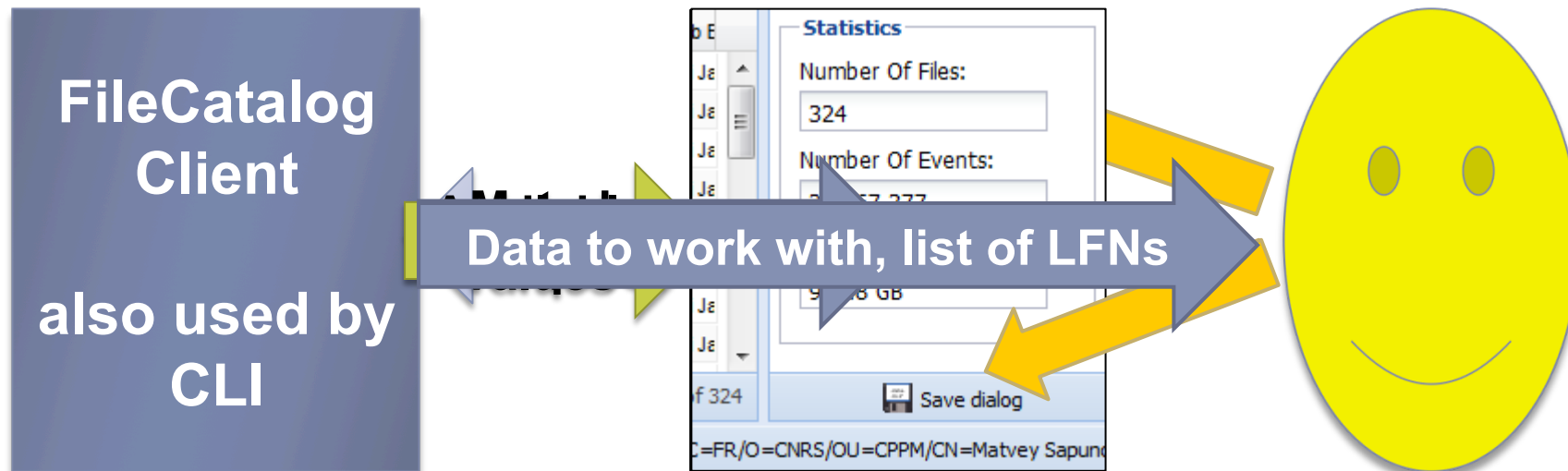
Current status

▸ User Interface is almost ready, in alpha testing

▸ Service calls are not ready

▸ Need to have a testing ground (ILC?)

▸ Will be available this summer, mid-June or so

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- Simple interface to DIRAC Configuration System
- User-friendly front-end for CS editor
  - Lower learning curve for new DIRAC administrators
  - Clear and evident way to find and change configuration values
  - Reduce chances of errors
  - Powerful mechanism of selectors simplifies the access to the configuration data
- Helpers will be created on demand

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User management with the new page

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Current status

▸ User Interface for the first helpers which will be used for the user administration is almost done

▸ Service calls are not ready
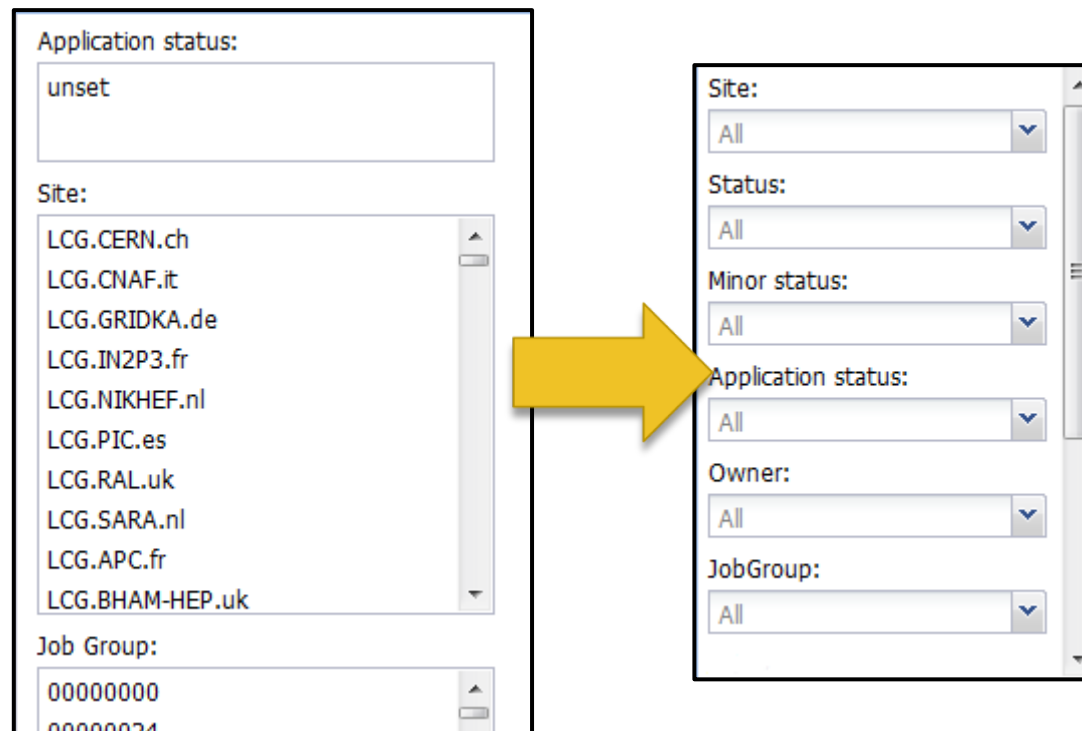
▸ Will be available end of May or early June

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- ▸ User friendly replacement for CLI dirac-admin-* commands

- ▸ DIRAC service installation or removal in two clicks

- ▸ Ability to start/re-start/stop a DIRAC service or agent remotely

- ▸ Service or agent log file can be displayed directly in the portal webpage
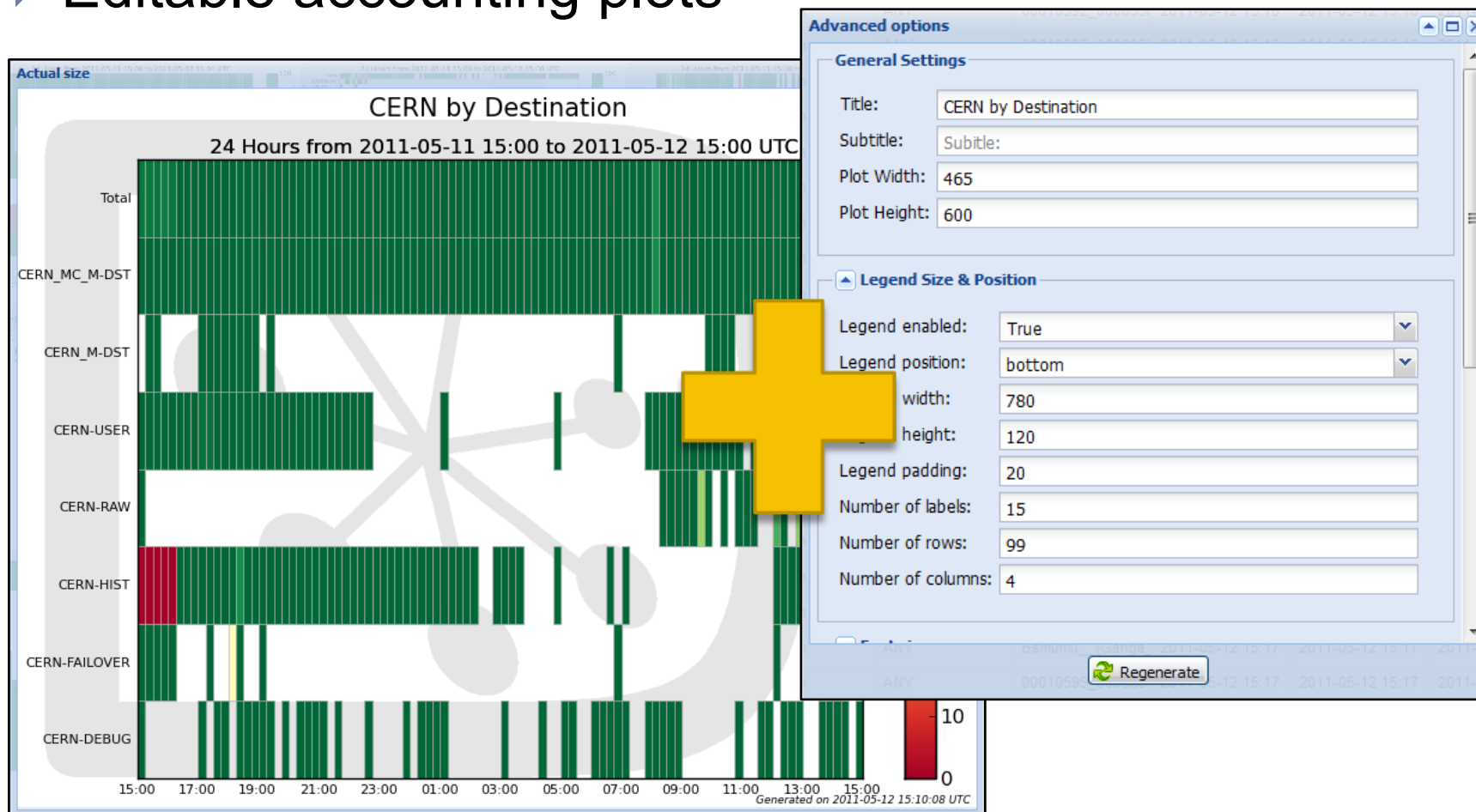
Current status

- ▸ Prove of concept is under construction

- ▸ Initial release later this summer

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▸ **Accounting pages will be fixed to have the homogeneous look-n-feel with the rest of the portal**

▸ **Editable accounting plots**

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Questions?

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