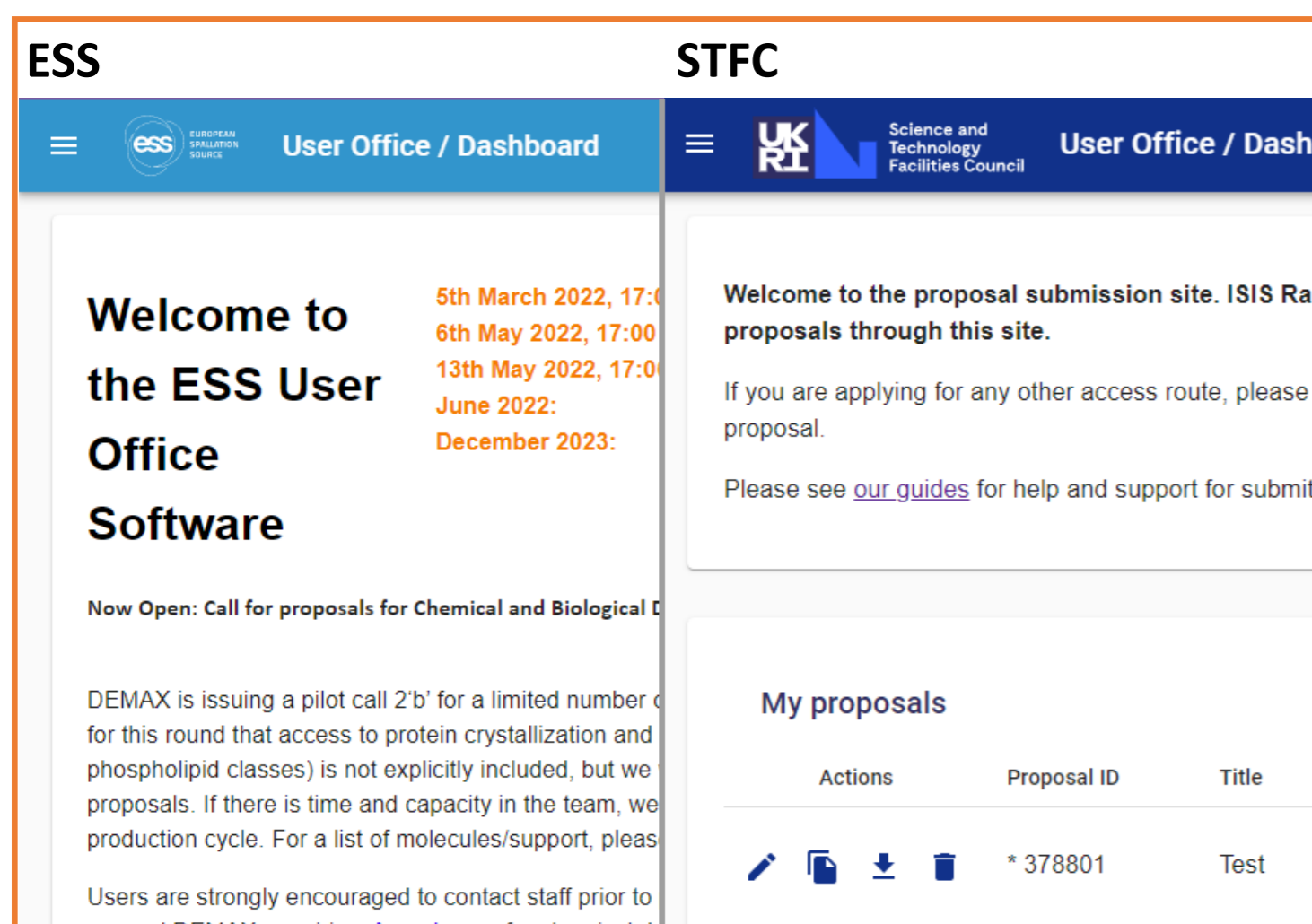


Next generation User Office software

Fredrik Bolmsten, Panda Rushwood

It costs a lot to run experiments at large facilities—at ISIS Neutron and Muon Source, a single experiment cost over £20,000 a day—and there's only a limited number of days available each year.

The User Office Software is the main tool to efficiently administrate how we prioritise proposals by their value, feasibility, and the time at the facilities. This software needs to handle the changing requirements of a facility and give users an easy way to create their proposal.

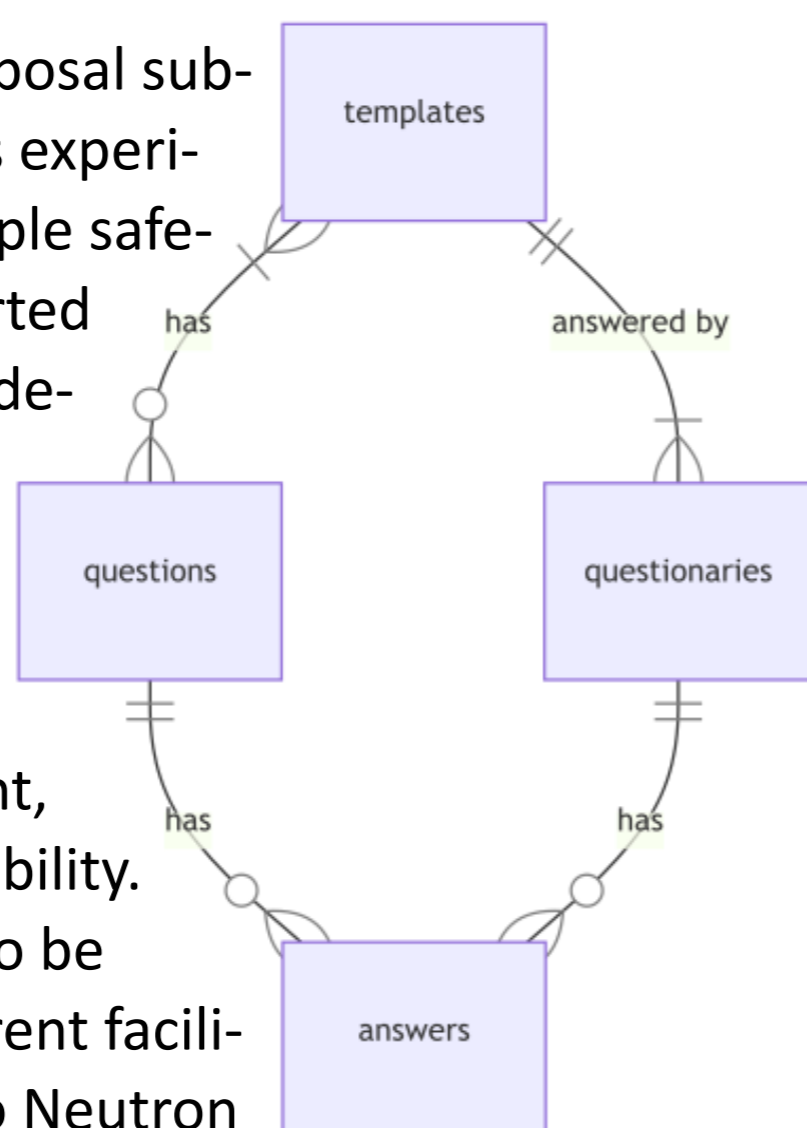


Our software

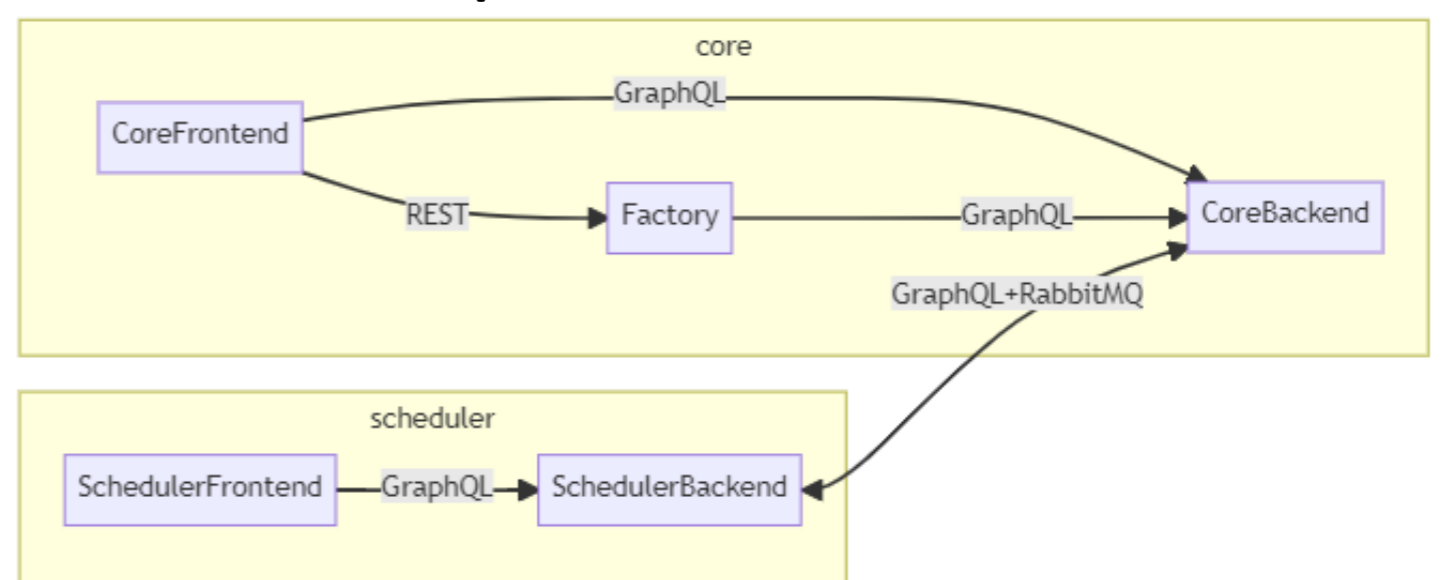
The *European Spallation Source* and the *Science and Technology Facilities Council* are developing new user office software leveraging the latest available web technologies. The software gives administrators the power to configure proposal questionnaires, experiment workflows, reviewable PDFs, and more without the need for a developer to make a change. This allows for more customized proposals, allowing facilities to change without having to rewrite software, and creating a more user-centric experience. It gives developers time to focus on new features that will benefit the user community instead of configuring proposal templates.

What it can do

The software handles proposal submission, review, as well as experiment scheduling and sample safety declaration. It is supported by a vibrant open-source developer community across multiple facilities. From its inception, the guiding design principle has been to be transparent, with flexibility and adaptability. This allows the software to be used in a number of different facilities, ranging from Laser to Neutron Sources.



Web service components



Where it is used

The software is currently deployed and serving the user communities at multiple facilities:

ESS: Successfully handling 3 deuteration calls
STFC:

- Over 70 proposals across 2 calls for the LSF.
- In use for continuous applications to ISIS.
- Newly open for a huge call for ISIS, projected to take over 600 proposals.



<https://github.com/UserOfficeProject>