Xper3 is a versatile web platform dedicated to descriptive data management and interactive identification. This new platform gives users the ability to work simultaneously and remotely on the same knowledge base.

Users can edit, analyze and share their descriptive data online. Furthermore, it allows multiple users to edit the same data concurrently (i.e. simultaneously) in a secure manner. The Xper3 data model is closely based on the SDD (Structured Descriptive Data) format, which makes it compatible with any other application using this standard format. Xper3 is still in development. We will demo Xper3’s collaborative features, as well as the interactive identification interface. A beta version is available at www.xper3.com

Collaboration:

Xper3 brings collaborative features to descriptive data management:
- A user can share his own dataset with any other user.
- Thus, multiple users can work remotely and simultaneously on the same dataset.
- Advanced merging tools are included, to help the users avoiding data conflicts when merging several datasets.
- Users can import / export their data using the SDD/CSV formats to collaborate with users who use different descriptive data management tools.

Analysis:

Xper3 comes with several tools which helps users to enhance the quality of their dataset:
- The Checkbase tool which ensures that the content of the dataset is consistent.
- A matrix view, which indicates which part of the dataset has missing descriptions.
- An item comparison view, which allows the user to compare the description of several items.

I/O:

- Delta import
- SDD import
- CSV import
- delta2SDD webservice
- sdd2HTML webservice
- sdd2Wiki webservice
- SDD export
- CSV export
- Nexus export
- HTML publishing
- Wiki publishing

Identification:

Once a dataset is complete, users can identify new specimens using its content:
- They can perform interactive (p.e.o. free-access) identification, using the Ikey+ webservice, which is connected to Xper3.
- An independent identification webpage can be generated separately from Xper3 for publication purposes.
- They can also generate single-access keys, using the Ikey+ webservice, which is also connected to Xper3.

Contact: thomas.burguiere@upmc.fr