

User Interface workshop

- ▶ 3rd-4th of May 2023
- ▶ at Helmholtz Zentrum Berlin, Adlershof
- ▶ 30 participants
- ▶ <https://indico.desy.de/event/37379/>

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User Interface Workshop

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Work shop motivation

Identify user needs

User interface

- ▶ (Graphical) user interface
- ▶ rather “scientific workbench”
- ▶ large data sets → data management

Ideal user world

a five star hotel

- ▶ end station scientist
- ▶ data steward
- ▶ storage, processing apps ← host lab

Research area

- ▶ Work process lines: e.g. stored and validated (e.g. Neutrino science)
- ▶ User experience →

User questions

- ▶ Where do I store my data?
- ▶ How do I combine data?
- ▶ what will be my data rates?

- ▶ Key note speakers → solutions applied in different communities
 - ▶ Accelerator division, CERN
 - ▶ FAIR
 - ▶ IOVA
 - ▶ VISPA
 - ▶ Synchrotron users
- ▶ World cafe → learn and hear from you
 - ▶ Community requirements
 - ▶ Data sources: amount of data, data rates, data catalogs
 - ▶ Real world experience:
 - ▶ Design patterns

Guidelines to speakers

Motivation

Towards scientific working environment:
learning from your today solution

Scientific work bench

- ▶ data processing environment
- ▶ advantages, disadvantages, lessons learned

Data sources

- ▶ handling
- ▶ user access
- ▶ combination of sources
- ▶ data size

Work flows

- ▶ setup and storage
- ▶ cross check with simulations
- ▶ (visual) presentation

Community requirements

- ▶ in an ideal world
- ▶ processing data,

Data sources

- ▶ make community requirements supported by numbers
- ▶ What's a lot of data
- ▶ How to combine these from different communities

Real world experience

- ▶ focus on what has been achieved today or is in progress.
- ▶ this today: community requirements "wish list"

Design patterns

- ▶ not everything common, but sub-parts
- ▶ similarities in design not in implementation

Looking forward to meet you!

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