Open Day of Technology Platforms

Your contribution to funding needs and sustainability of technology platforms

31.01.2024  Martina Bachmann
Technology platforms – Goals and benefits

- **Scientific goals**
  - Cross-disciplinary research environment
  - Access to high-end technology
  - Develop new and innovative methods

- **Increases Sustainability**
  - Systematization of acquisition of large-scale equipment
  - Increasing efficiency in maintenance, repair and operation
  - Anchoring know-how (on methods and devices)

- **Increasing the attractiveness of the location**
  - State-of-the-art technologies and equipment are available
  - Establishment of cutting-edge technology

„How you can help us to achieve these goals!“
**Status quo – Technology platforms in numbers**

- **User**
  - 150 user groups

- **Measurement hours**
  - 45,000 h/a

- **Investments**
  - ca. 90 devices
  - 80 mio. EUR
  - It’s getting more

**Output**

- > 100 Publications in 2023, acknowledging the platforms or including platform personnel as co-authors
What do we need to meet our goals and to enable the benefits?

- Knowledge of your technological needs and planned research-oriented investments
  - allows for systematic structuring, expansion and evaluation
- Systematic inclusion of common used new devices into technology platforms
  - allows for excellent support, maintenance and sustainable operation
- Cross-institutional joint planning of major investments
  - enables large investments and sustainable operation
- Sustainable financing of operational costs
- Create visibility
What do we need to meet our goals and to enable benefits? – Hands on!

- Financing
  - Basic financing
  - Financing of project-specific costs

- Visibility
  - Developing tools for visibility of the platform - internally and externally
  - Communication of the contribution of the technology platforms to your project
Financing – Cost and where you can (should) support us

Material Resources
- Project specific resources
- Operating resources

Personal resources
- Operation
- Organisation
- Project specific operation
- Research and teaching

Technology platforms
- Maintenance
- Repair
- Investments

Devices
- Overhead
- Administration
- IT Infrastructure
- Building costs
Financing and refinancing via third party applications

DFG

- Include user fees for technology platforms in all applications using the technologies
- Collaborative project applications
  - Personnel resources for the platforms can and should be applied if the project will use technology as an basic method
  - Think about Z-Projects (SFB, Ex. Cluster,...), scientific method development requires scientific PIs and project personnel
  - Name the platform services as in kind achievement

EU Projects

- Full costs can be applied for (incl. device costs)
Financing and refinancing via third party applications

- Ask the platform coordinators for figures and values
- Dept. 4 may support you on how to include costs in collaborative project applications

Please keep in mind:
- The platform coordinators need information about collaborative project including a lot of measuring time or large sample quantities in order to integrate them into measurement operations
User fees

- User fees will become necessary in the medium term to return the funds raised to the platforms
  - Internal user fees (exceptions possible)
  - External user fees (if not covered by partner contributions)
Create visibility – Publications

Just follow the rules of good scientific practice and mention the contribution of the technology platforms in your publications

- Acknowledgements
  - Always!
  - A standard text will be provided on the website of the platforms.

- If there was a relevant scientific contribution to your paper, add the platform scientists as co-authors

- Let us know about success stories
Create visibility - Publications

- Add your publication to the FIS
- Link publications to persons, projects, technology platform and instrument
  ➢ Linked publications are automatically shown on instrument website
    Example: https://www.fis.uni-hamburg.de/weitere/geraete/detail.html?id=338a0f9f-ffe3-4c0c-8934-11308db7f449
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  - Linked publications are automatically shown on the technology platform website (planned for Q2/2024)
- If there is no chance to do it by yourself, just send the publication to the platform coordinator
Create visibility – Publications of datasets

- Publish data(sets) (along with publications, end of the project)
  - FAIR = Findable, Accessible, Interoperable, Reusable
  - as open as possible and citable
  - e.g. Research Data Repository (UHH-RDR) [www.fdr.uni-hamburg.de](http://www.fdr.uni-hamburg.de)
  - Please include the platform used in the meta data.
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Handbook, Tutorial

- Sustainable Research Data Management (en)
  //doi.org/10.25592/uhhfdm.9199
- Manual for the UHH Research Data Repository (de/en)
  https://doi.org/10.25592/uhhfdm.1857
- DFG Check List for Research Data
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