

Systems Biology Data Management

Foundry: A meeting for practitioners

6th – 7th October 2014
Heidelberg, Germany

Data management is generally recognized as a crucially important but challenging part of Systems Biology. Data management systems that are useful, usable and used are difficult to get right. It is not easy to find out about already existing software, or the state of standards that could or should be adopted.

Following the outstanding success of the Systems Biology Software Developers Workshop in 2012, we propose the next meeting in the series that enables **practitioners** in the field to meet like-minded scientists, show their working and upcoming developments, and give opportunities to team up. A meeting to socialize, yes. But also a meeting to figure out how we can **improve collaboration of data management practitioners beyond project borders in the light of ESFRI and other, national infrastructure movements, as well as the move from systems biology to systems medicine and synthetic biology. Our end goal is to establish a Foundry for Systems Biology Software** development.

- How do we interlink with other resources and tools with the goal of making more of our own development?
- How can we have the best of lively development and reliable infrastructures in a world shaped by consensual ESFRI infrastructures?
- How can we prepare our systems and policies for scientific computing infrastructures to become more dynamic, and data and code to move between computing clouds?
- How do we make use of standards in our work?
- How do we shape standards in the interest of sustainable software development for our users?
- What do we expect from national/international infrastructures for the future of our software?
- How can we achieve true sustainability of our developments?

To establish a practitioner's community that the workshop focuses on active participation:

- Two invited talks about **software sustainability** (Dr. Neil Chue Hong, director of the Software Sustainability Institute) and **infrastructures for** warm up and to get us started.
- A series of **innovative interactive show-and-tell** sessions that take the best from scientific speed dating and lightning talks. Let us all get to show our software and drill down on others.
- World café sessions yielding ideas for recommendations to funders and infrastructures
- Wrap up with collected recommendations for funders and practitioners

The workshop, sponsored by ERASysAPP, will be held at the *Studio Villa Bosch in Heidelberg, Germany*. **Participation is limited to 25 people**. The intended participants are software **developers** working in the field of data management in biology.

Want to participate? You should be:

- **fluent** in at least one programming language
- **daily working** as either a programmer or as someone concerned with software engineering or code audit.
- willing to **participate** in discussions about the (technical) future and extensibility of the software project you are involved with.

Participation in the workshop is **free**. However, participants have to bear travel and accomodation costs by themselves, and we reserve the right to pick participants.

For application to this, please provide us with the following detail

Subject: **Foundry workshop**

In the message body:

Address,

Project you are involved in, links to software artefacts

Function in that project.

System you are ready to demo on the meeting

Please address the mail with the above information to wolfgang.mueller@h-its.org

Important date:

5.9.2014:	Application deadline
12.9.2014:	Notification of acceptance.
6.10.2014 (11:00)-7.10.2014 (15:00):	Workshop in Heidelberg

The workshop is organized by
Carole Goble, University of Manchester
Wolfgang Müller, HITS gGmbH, Heidelberg
Bernd Rinn, ETH Zürich and SIB
Dagmar Waltemath, University of Rostock

If this is not for you but you know people interested within your projects, please feel free to forward this document.