



Coordination of Biological and Chemical IT Research Activities

FP7-ICT-2009.8.9 Coordinating Communities, Plans and Actions in FET Proactive Initiatives

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Online Expertise Database (OED)

WP1 D1.1

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Abstract

The stakeholders within the OED will provide the background information in part through surveys for construction of the ChemBio-ICT Roadmap. The stakeholders within the OED will in addition provide feedback to specific questions as well as provide the needed data for activity audits.

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D1.1 Online Expertise database (OED)

The first task of WP1 is to create the COBRA stakeholder database infrastructure. The database is online and dynamics such that interested stakeholders from the ChemBio-ICT community can sign up. The web address for signing up as a new stakeholder is:

http://www.chembio-it.eu/stakeholder/becoming_chembioict_stakeholder.html

So far the database contains information on name, affiliation, country and email of 425 stakeholders, drawn mainly from academia. The demographic information of the current stakeholders is shown in Figure 1.1., and represents members from 38 countries, where 300 are in Europe.

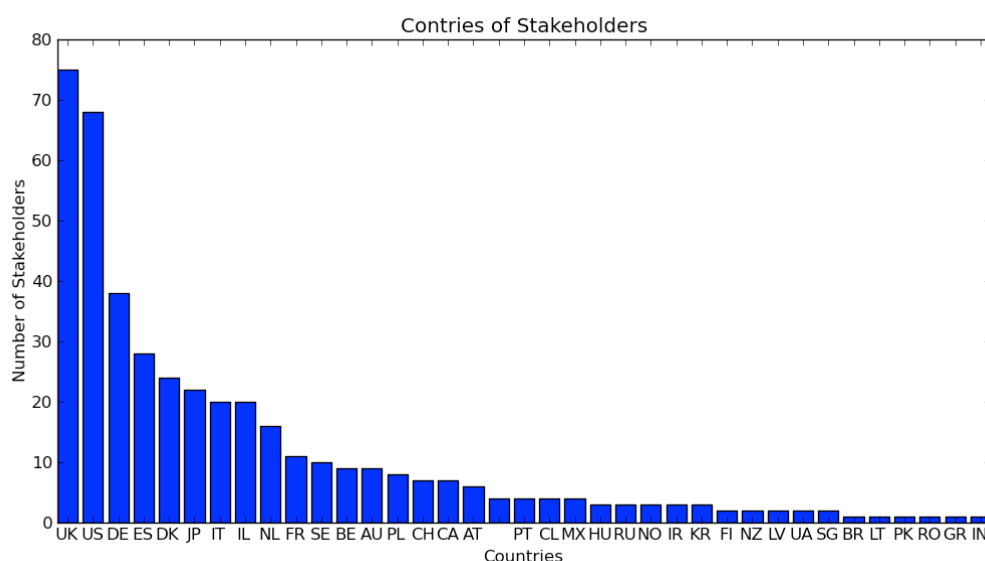


Figure 1.1 Current country of residence of the ChemBio-ICT stakeholder population.

We have put specific effort into ensuring that all interests and expertises within the ChemBio-ICT community initially are represented. This initial database is assembled from selections out of existing databases the Institutions already had as well as the participants from the ChemBio-ICT workshops COBRA has instigated. The stakeholder interests and capabilities currently range from pure chemistry and physics to biochemistry and supramolecular chemistry, soft matter material science, ICT devices, micro fluidics, sensors, 3D printers, robotics, manufacturing, energetics, information processing and storage, computing, evolution, self-assembly, self-organization, synthetic biology, artificial life as well as commercialization of emerging technologies to mention some of the main areas.

To ensure that we get more detailed information of the stakeholder community structure, our first survey will contain additional questions in this regard, where we will ask for their:

- Age range
- Gender
- Country
- Discipline
- Industry/Academia
- Position/level
- Webpage
- 1 primary area of expertise, 2 secondary areas of expertise
- Own 3 best papers
- Projects currently associated with

New stakeholders that sign up through the website interface will also be asked to add the above-mentioned demographic data upon submission.

In addition the survey will contain a number of open-response questions that will allow us to obtain a deeper understanding of community's (i) main objectives and metrics within the ChemBio-ICT community, (ii) the main scientific challenges, (iii) most promising existing or emerging technologies to boost the ChemBio-ICT agenda, (iv) main (non-technical e.g. organizational) roadblocks within the area, (v) most likely short term and long term ChemBio-ICT applications, (vi) most promising longer term societal impacts, as well as (vii) potential societal impacts to be avoided.

Obviously, the current ChemBio-ICT stakeholder community mainly consists of scientists from academia and publicly funded research labs, because the nature of the technical work. The research and development is still rather basic and longer term strategic, while it is being developed to eventually form the basis for future emerging technologies at the interfaces between biotechnology, information technology and nanotechnology. However, a COBRA *task force* has been dedicated to identify possible industry stakeholders that can be added to the database and engaged in the development of the ChemBio-ICT roadmap.

The OED is online and full scale operational as of March 21, 2012, so the COBRA reviewers and the European Community program officer can inspect it at:

<http://www.chembio-it.eu/stakeholderDB>

Please use the following username and password to access the folder:

Username = stakeholder (not case-sensitive)

Password = 20Hansen12 (case-sensitive)

The content of the stakeholder database is confidential and can only be viewed by the COBRA consortium, the COBRA reviewers and the European Commission. The database or any of its content must not be copied or distributed.