Open PHACTS

OPEN PHACTS COMMUNITY WORKSHOP: "USING THE POWER OF OPEN PHACTS"

22-23RD APRIL 2013

- Reducing cost of data integration within the drug discovery industry.
- Consortium of academic and pharmaceutical partners launching a pre-competitive data integration drug discovery platform.
- Creating opportunities for academia and small companies to work with established companies.
- Presenting 5 example applications to access the data in the Open PHACTS Discovery Platform.
- Creating a sustainable infrastructure and licensing framework that can be used to tackle further data integration problems.

"*Open PHACTS is a shining example of a public-private partnership, helped by communities seeing the value of the project to address the widespread problem of massive life sciences data integration.*" Richard Kidd, Royal Society of Chemistry

"*The Open PHACTS consortium brings together an unparalleled range of expertise, and we are committed to building a sustainable data infrastructure to support drug discovery research.*" Gerhard Ecker, University of Vienna

Open PHACTS is a 3-year knowledge management project of the Innovative Medicines Initiative (IMI) between the European Commission and the European Federation of Pharmaceutical Industries and Associations (EFPIA).

Open PHACTS website
www.openphacts.org

Open PHACTS API
dev.openphacts.org

Open PHACTS Explorer
openphacts.org/explorer

Open PHACTS Repository
github.com/openphacts

API launch on Twitter
storify.com/Open_PHACTS

ChemBioNavigator
chembionavigator.org

PharmaTrek
pharmatrek.org

WHAT DOES OPEN PHACTS DELIVER?

THE OPEN PHACTS API

- The Open PHACTS application programming interface (API).
- Permits third-party applications to query data in the Open PHACTS Discovery Platform.
- Allows new applications to be built to address the evolving needs of drug discovery.

THE OPEN PHACTS DISCOVERY PLATFORM

- A host of example applications make up the Open PHACTS Discovery Platform.
- Browser-based interfaces such as the Open PHACTS Explorer, ChemBioNavigator and PharmaTrek offer bespoke data visualisation and analysis solutions to scientists.

THE OPEN PHACTS FOUNDATION

The Open PHACTS Foundation is a not-for-profit organisation that will continue developing and supporting the Open PHACTS infrastructure, and will act as a hub of relevant academic research.

WHO IS INVOLVED IN OPEN PHACTS?

- Open PHACTS consortium of 28 partners from 9 European countries.
- The wider Open PHACTS community of over 40 Associated Partners

For more information please contact **pmu@openphacts.org**

THE OPEN PHACTS COMMUNITY WORKSHOP

The Open PHACTS Community Workshop was held at Burlington House in London on April 22 and 23, 2013. The workshop was intended to feature the public release of the Open PHACTS API and the first Open PHACTS example apps, ChemBioNavigator and PharmaTrek. The event was also held to outline the project sustainability plans and those of the Open PHACTS successor organisation, the Open PHACTS Foundation.

WHO WAS AT THE WORKSHOP?

- Publishers Elsevier, Thomson Reuters and Nature Publishing Group.
- Software providers Accelrys, ChemAxon, Dotmatics and IBM.
- North American attendees from the NIH and Carleton University.
- European technology startups Digital Science and Ontoforce.

FEATURED TALKS

The first day's talks described the data accessible via the Open PHACTS Discovery Platform and technical aspects of the API. The use of the API by example applications ChemBioNavigator and PharmaTrek was outlined, and the results of the Accelrys Pipeline Pilot Hackathon discussed. The second day involved discussion of Open PHACTS sustainability and plans for the successor organisation, the Open PHACTS Foundation. The afternoon was attended by those keen to further discuss the potential of the Open PHACTS API and the future of Open PHACTS. A publicly available workshop summary can be found online.

During talks, especially those detailing the Open PHACTS API, a steady stream of signup requests to the API via dev.openphacts.org were received. The hashtag #opslaunch was used to follow reactions to the workshop on Twitter, and showed the response amongst attendees to be overwhelmingly positive.

COMMUNITY RESPONSE

The Community Workshop was well attended and the overall response was very positive regarding progress made by the Open PHACTS project. The significant number of signups for API keys during and after the workshop was indicative of the enthusiasm amongst attendees for the Open PHACTS API – helped especially by Paul Groth's API walkthrough.

During the workshop, the Open PHACTS API was incorporated into an existing app, showing the API to be easy to access and use. Breakout discussions in the afternoon of the second day highlighted the eagerness of many community members to start using the API and to become further involved with the Open PHACTS Discovery Platform as part of the growing Open PHACTS scientific community.