



## ORCID Integration Use Case Documentation

### 1. Use case name

Integrating ORCID and the HUBzero Platform for Scientific Collaboration

### 2. Institution name

Purdue University Libraries

### 3. Project goals and scope

HUBzero (<http://hubzero.org>) was developed at Purdue University, originally for the Network for Computational Nanotechnology to support nanoHUB.org, and later released as open source software that has grown to include over 50 “hubs” that serve a wide variety of virtual research communities that reach a global audience. HUBzero provides a web-based platform for supporting research collaboration, including an environment for software tool development and execution, integration with grid resources, research data lifecycle management, open educational resources, and other features that enable user interaction with content, content creators, and each other. The goal of the project is to integrate ORCID and HUBzero by implementing three use cases: 1) a user associates their hub account with an ORCID identifier when he or she creates a hub account or is added to a new publication; 2) for datasets that are published from hubs that mint Digital Object Identifiers (DOIs), the ORCID identifiers for the content creators will be included in the citation metadata that is registered in the DataCite Metadata Store for broad integration beyond HUBzero; and lastly, 3) the hub user profile will be linked to the user’s profile on the ORCID website. ORCID identifiers will be generated retroactively for the 81,262 current users of the three hubs that are participating in the pilot group. ORCID functionality will become available to others in the next version HUBzero, which is open source software.

### 4. Is your organization willing to serve as a resource for other organizations pursuing ORCID integration?

Yes

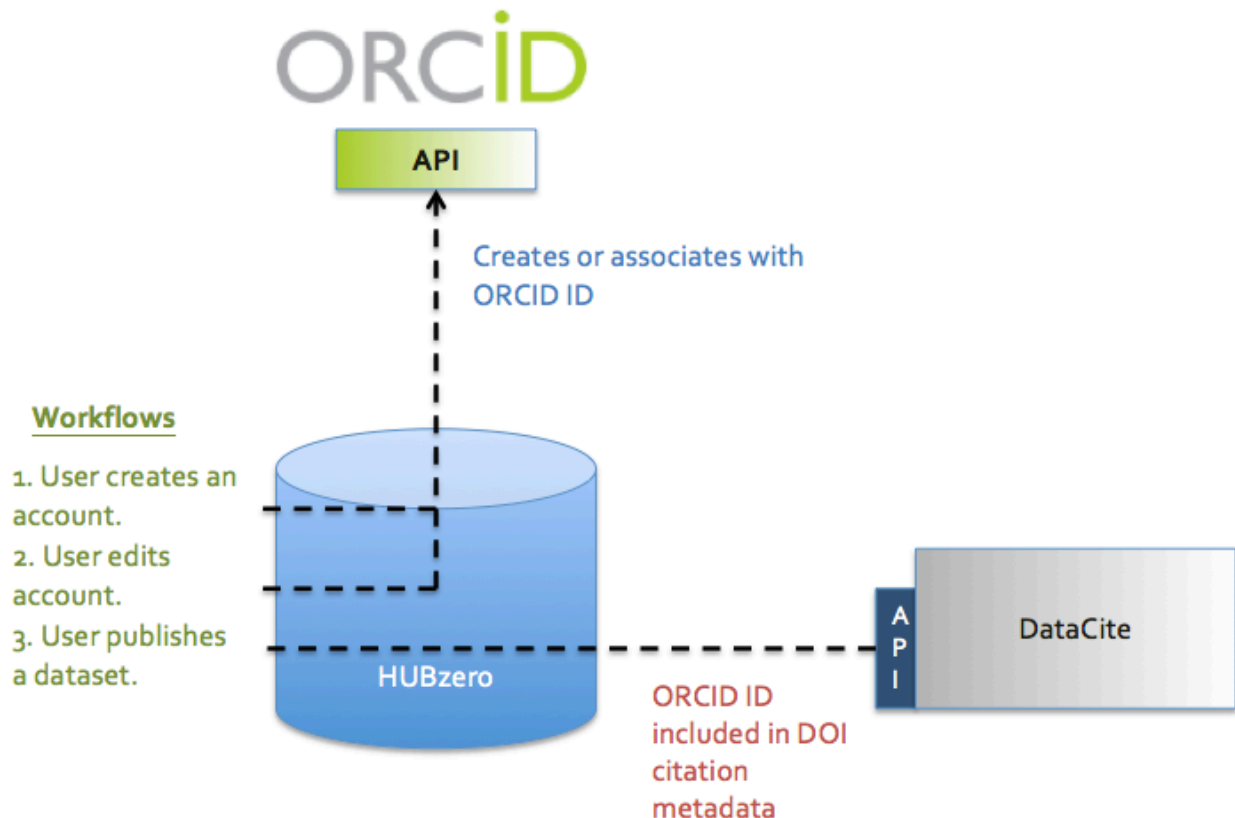
### 5. Project personnel

Project leader: Michael Witt, Head of the Distributed Data Curation Center, Associate Professor of Library Science, 765-494-8703, [mwitt@purdue.edu](mailto:mwitt@purdue.edu).

Student programmers: Ahmed Hamdy Abdel-Gawad ([aabdelga@purdue.edu](mailto:aabdelga@purdue.edu)) and Jee Khoon Lim ([lim122@purdue.edu](mailto:lim122@purdue.edu)).

HUBzero liaisons: Mike McLennan ([mmclennan@purdue.edu](mailto:mmclennan@purdue.edu)), Alan Beck ([abeck@purdue.edu](mailto:abeck@purdue.edu)), Gerhard Klimeck ([gekco@purdue.edu](mailto:gekco@purdue.edu)), Charles Watkinson ([cwatkinson@purdue.edu](mailto:cwatkinson@purdue.edu)).

## 6. System(s) involved.



## 7. Project timeline

The project was proposed to the Sloan-sponsored ORCID Adoption and Integration Program and awarded in October 2013. Student programmers were hired and a working prototype was demonstrated in February 2014. The integration is being piloted with three hubs in April 2014, and its source code will be contributed to HUBzero the following month. The software will be included in the next HUBzero general release in September 2014.

## 8. Project web page(s)

Not applicable

9. **Please identify the stakeholder groups within this project and describe the outreach/communications work your organization arranged in advance of implementation. Which stakeholders did you contact? How did you organize a team? What were the policy impacts?**

The project was designed and led by Michael Witt who assembled a team that included important stakeholders to participate in the project. Mike McLennan is the project director of HUBzero and provided technical input and an easy path from our development and prototype to inclusion in the general release of the HUBzero software. Managing directors of three hubs were recruited for a pilot test and community input: Alan Beck from the Human Animal Bond Research Initiative (<http://habri.org>), Gerhard Klimeck from the Network for Computational Nanotechnology (<http://nanohub.org>), and Michael Witt, who is also the project director for the Purdue University Research Repository (<http://purr.purdue.edu>). The head of Scholarly Publishing Services at Purdue University Libraries, Charles Watkinson, provided a broader context and perspective of scholarly communication as well as his experience as the director of the Purdue University Press. We communicated and collaborated primarily through email and two meetings in person, including one with ORCID Community Outreach Director Rebecca Bryant. There were no policy implications beyond the decision to contribute our effort as open source software.

**10. Please provide an overview of your communications plan as well as examples of your communications outputs, which may be adapted by other organizations for their integrations.**

The integration will be documented as a new feature in HUBzero in its release notes. It will also be presented as a poster and demonstrated at the ORCID User Meeting in May in Chicago as well as HUBbub 2014 in Indianapolis (e.g., <http://hubzero.org/hubbub/2013>). One of the student programmers, Jee Khoon Lim, worked with Michael Witt to author a paper on this work that was accepted for the upcoming volume 4 of the Journal of Purdue Undergraduate Research (<http://docs.lib.purdue.edu/jpur>).

**11. Are you willing to share your source code? If yes, please provide a link.**

Yes, our source code will be included in the next general release of HUBzero, anticipated in September 2014, which will be available at <http://hubzero.org/download>.