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# ORCIDS ON THE CAMPUS COMMONS

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# Characteristics of ORCID iD as an Identifier

- The ORCID iD
  - Follows the ISNI ISO 27729 standard for creating identifiers
    - Contain a 'number', ==> 'opaque'
    - Has a check sum
  - Is independent of other existing Researcher Identifier schemes
  - Is issued non-sequentially
  - Is not meant to be shortened or transformed
  - Is globally unique
  - Is persistent
  - Should be expressed as a HTTP URI, e.g. <http://orcid.org/0000-0002-3174-899X>
- <http://support.orcid.org/knowledgebase/articles/116780-structure-of-the-orcid-identifier>

# Identifier switchboards or cross-walks

- The ability to map one identifier (ORCID) to others (NetID, Scopus, VIVO, Researcher ID)
  - [http://www.vivoweb.org/files/vivo2013/thursday\\_am/ORCID-VIVO\\_08152013.pdf](http://www.vivoweb.org/files/vivo2013/thursday_am/ORCID-VIVO_08152013.pdf)
- Crucially, orcid.org also carries data of its own. In other words, the URL form of ORCID iDs resolves to a **Resource**: the ORCID record of the iD holder.
- Campus IAM systems ALSO typically provide an identifier switchboard service
  - Registry ID (unique person identifier for which the Identity Registry system is authoritative)
  - HR ids
  - SIS ids
  - Library patron ids
  - NetId (portion of login credential)
  - eduPersonPrincipalName
  - ORCID iDs



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# ORCID projects emerge outside the IAM purview

- ...And that is quite logical and unobjectionable
- Still, there are good solid reasons why IAM staff should be engaged in campus ORCID adoption projects
  - From planning stages on through deployment
- ORCID is not an IAM service per se, but IAM will play a crucial role
- Over time, a growing number of campus units will want to leverage ORCID
  - IAM team's job #1 is to make identity & access information available wherever it's needed and appropriate



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# Who should provide the ORCID iD switchboard service?

- Orcid.org – or – our campus IAM system?
- Why not both?
- There has been an experimental eduPerson attribute to carry URL based ORCID iDs, eduPersonOrcid
- It's time to have a round of community consultation about transitioning from experimental to formal specification:
  - MACE-Dir
  - Refeds (EU, UK NRENs)



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## But ORCID is authoritative for ORCID iDs

### Why would you trust assertions of ORCID from campus IAM ?

- Are there ways to *reliably* link a campus NetID to an ORCID iD? Here's one:
- User logs into the orcid.org SP via their campus identity
- ORCID SP can get a reliable 'NetID'/ePPN value in the SAML attribute assertion
- ORCID App then has user authorize ORCID to reveal the ORCID iD—ePPN link back to home campus
- There is now a verified binding of the person's campus NetID and their ORCID iD at both campus and orcid.org
- Campus could somehow mark the link as verified so consuming apps have basis for trust

# Questions?

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[ 7 ]

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