



Connecting Research  
and Researchers

# Identify to simplify

Improving interoperability at a  
national level with the ORCID hub

EUNIS 2016, June 9th.

Thessaloniki, Greece



ORCID

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# What is ORCID?

ORCID is an **enabling** infrastructure

ORCID connects people and things together, across nationalities, disciplines and sectors.

<http://www.cineca.it/>

<http://orcid.org/>



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# What is ORCID?

ORCID is an infrastructure that provides **unique Person Identifiers**.  
ORCID is a hub for linking identifiers for people with their activities.  
ORCID is researcher centric with 2.2 million registered identifiers.  
ORCID records are managed by the researcher themselves.  
ORCID is open source, community governed and non-profit.  
ORCID has a public API that allows querying of non-private data.  
ORCID has a member API that enables updating and notifications.  
ORCID IDs are associated with over 5 million unique DOIs

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<http://orcid.org/>



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# What ORCID is not

ORCID is **not** a CRIS system

ORCID is **not** a researcher profile system

ORCID is **not** a research activity metadata store

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# What is ORCID?

ORCID includes links to grants, peer reviews, publications, patents, datasets, software and more.

- 350k+ linked to works
- 341k+ linked to education
- 327k+ linked to employment

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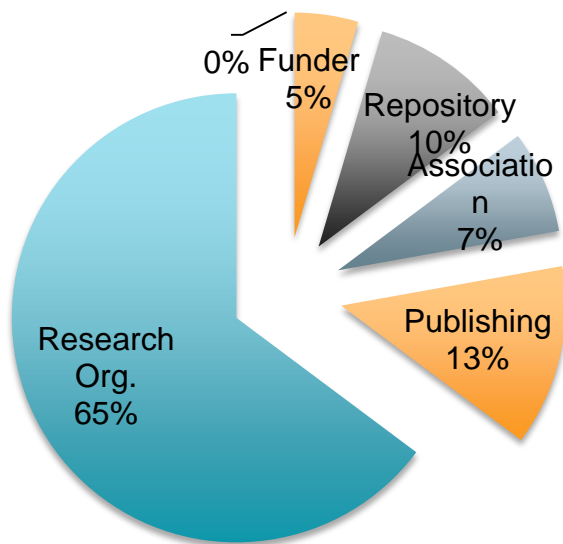
<http://orcid.org/>



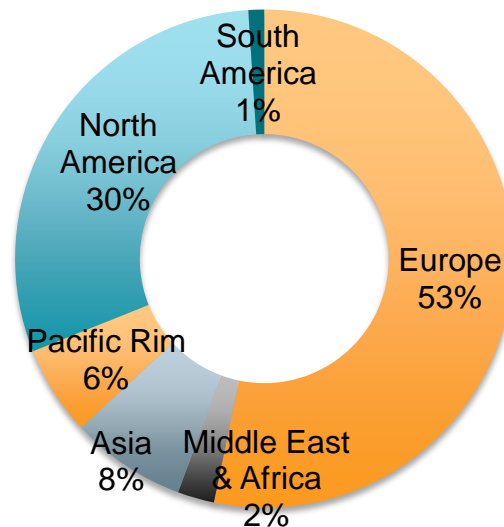
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# ORCID integrations

500+ members, 6 national consortia, and 250+ integrations in every region and sector of the international research community.



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# Cineca

Not for Profit

Founded in 1969

HPC

FERMI: TOP500

EURORA:  
TOP GREEN500

IS

500 applications  
All Italian Universities  
Ministry of Higher Ed

75

Members

>900 employees



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# Promoting the national adoption of ORCID



CRUI

Conferenza dei Rettori  
delle Università Italiane

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# Building up the project



## ORCID Consortium Agreement

- Cineca (lead)
- ANVUR
- CRUI

I.R.ID.E  
Project



## ORCID ID

Mandatory for  
the National  
Assessment  
(Nov. 2015)



## Working Groups

- Cineca (lead)
- ANVUR
- Universities
- Research Inst



## ORCID HUB

Integration with  
a central  
component to  
facilitate ID  
adoption



## Documents

- For end users
- ORCID FAQ  
translation +  
ad hoc FAQ
- ORCID  
website
- Researcher UI



## Events

- Universities
- Webinars
- Tutorials

<http://www.cineca.it/>

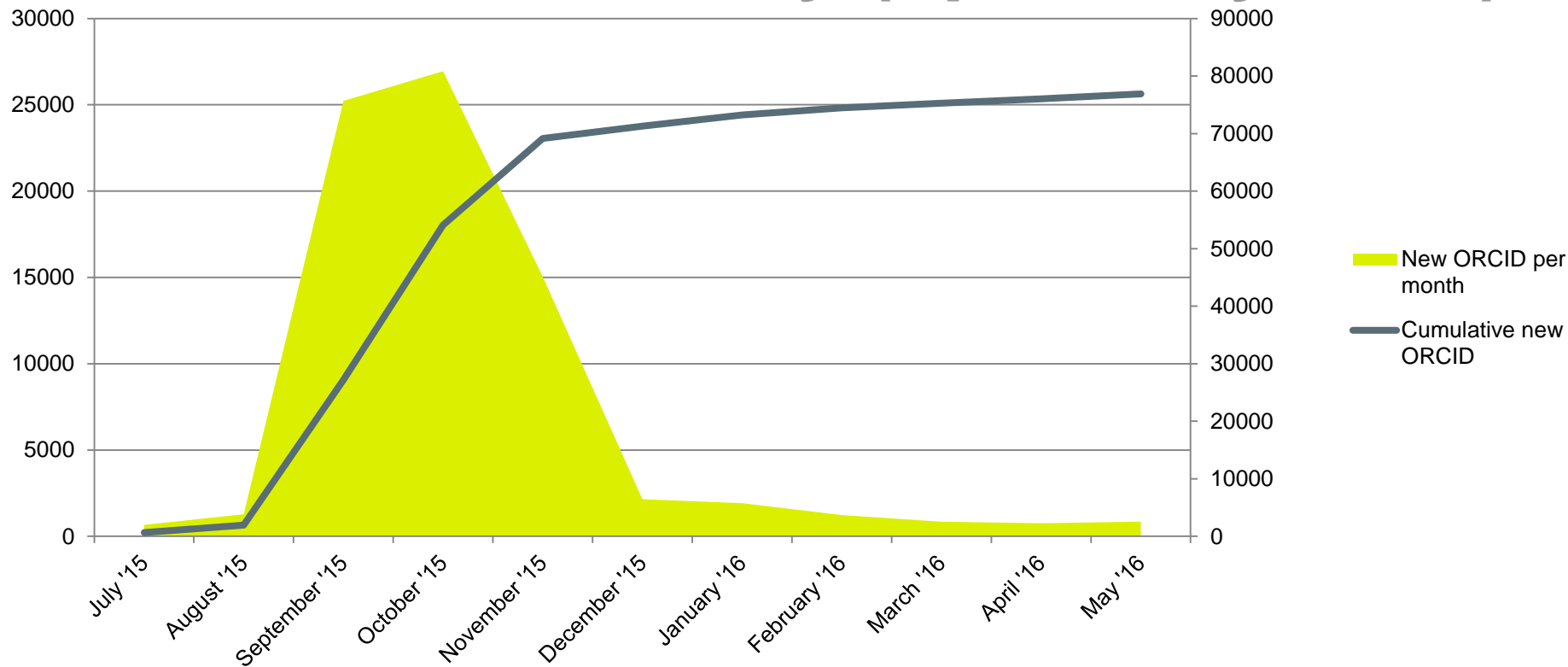
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# ORCID adoptions in Italy (up to May 2016)



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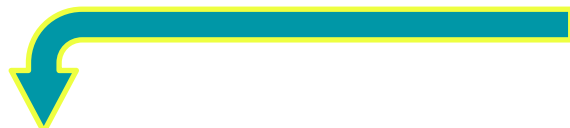
<http://orcid.org/>



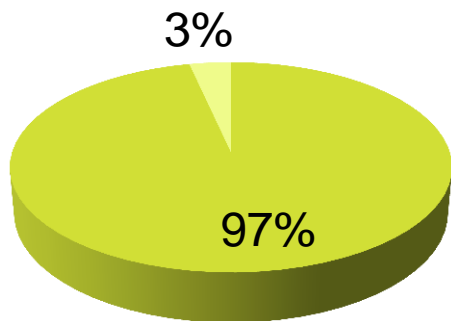
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# Authorizations to interact with ORCID



## ORCID HUB

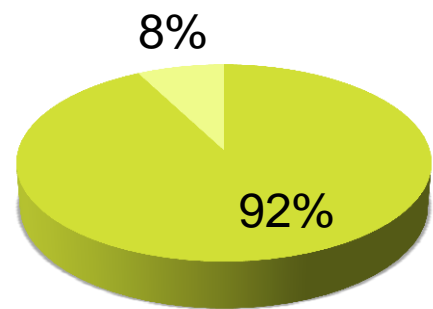


■ Yes  
■ No

<http://www.cineca.it/>



## National Database



■ Yes  
■ No

<http://orcid.org/>



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# The ORCID HUB



Get authorization by researchers for different applications at the same time to allow the use of future services without additional effort

Provide additional services to incentivate the use of ORCID

Provide basic tools for institutions that do not have local systems

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# The ORCID HUB



**National**



Store & collect authorization tokens for  
all the integrated applications



orcid.org



Sito Docente  
LoginMIUR



Any other integrated  
application

<http://www.cineca.it/>

<http://orcid.org/>



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# The ORCID HUB

Collected authorization tokens can be:

- downloaded by the administrators as XLS files;
- retrieved using REST WS
- received in realtime as POST notification from the Hub



Sito Docente  
LoginMIUR

<http://www.cineca.it/>

Any other  
integrated  
application



<http://orcid.org/>

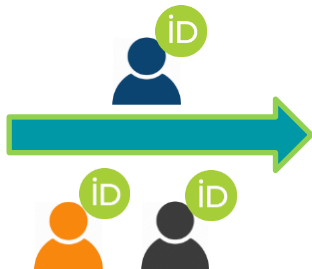


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# The Network

[Institution #1]



[Institution #2]



[Institution #3]



**I.R.ID.E.**

**HUB**

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# Basic Tools

**National**



**SIMPLIFY**





# ORCID


















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# An Open Source Project



<https://github.com/Cineca/OrcidHub>

License AGPL v3

<p>FRONTEND</p>      	<p>transversal</p>  <p><i>JHipster</i></p> 
<p>BACKEND</p>      	
<p>DATA</p>  	

<http://www.cineca.it/>

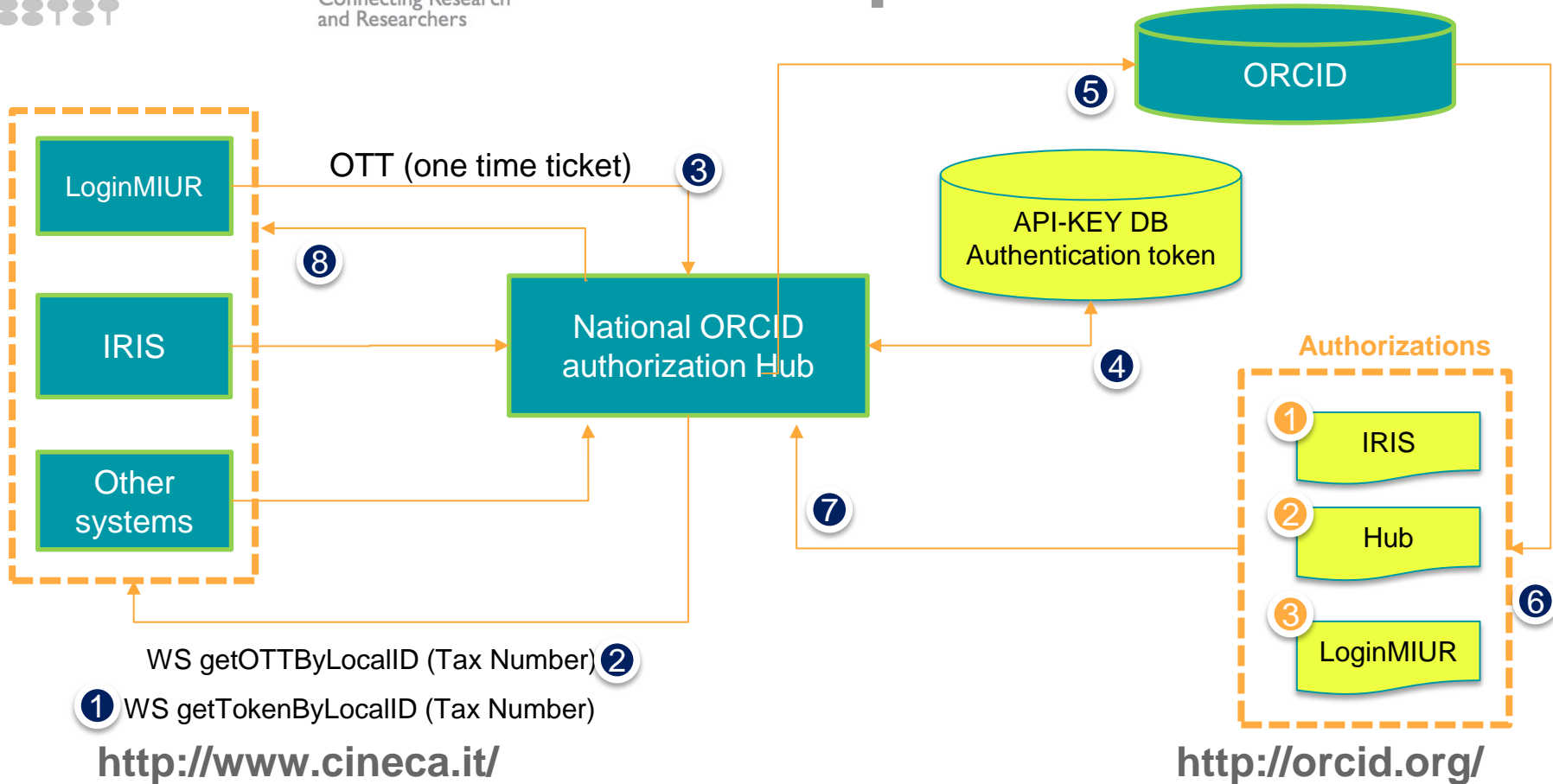
<http://orcid.org/>



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# Sequence Flow





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# Lessons Learned

The politics should be done first.

Communication between members and integrators across borders is vital.

An ORCID integration with a purpose actually gets researcher support.

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# Lessons Learned

Integrating identifiers locally, nationally and internationally at this scale produces its own network effects and enables large-scale improvements in information quality.

Consortia integrations work best with a consortium lead and innovation partner.

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**Thank you for  
your attention.**

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# Any questions?

**Contact us:**

Michele Mennielli - [m.mennielli@ Cineca.it](mailto:m.mennielli@ Cineca.it)

Josh Brown - [J.Brown@orcid-eu.org](mailto:J.Brown@orcid-eu.org)

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