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CoreMarketplace
https://coremarketplace.org

“Use of PIDs in Systems to Organize Facility Data”

FAIR Presentation
September 23, 2025

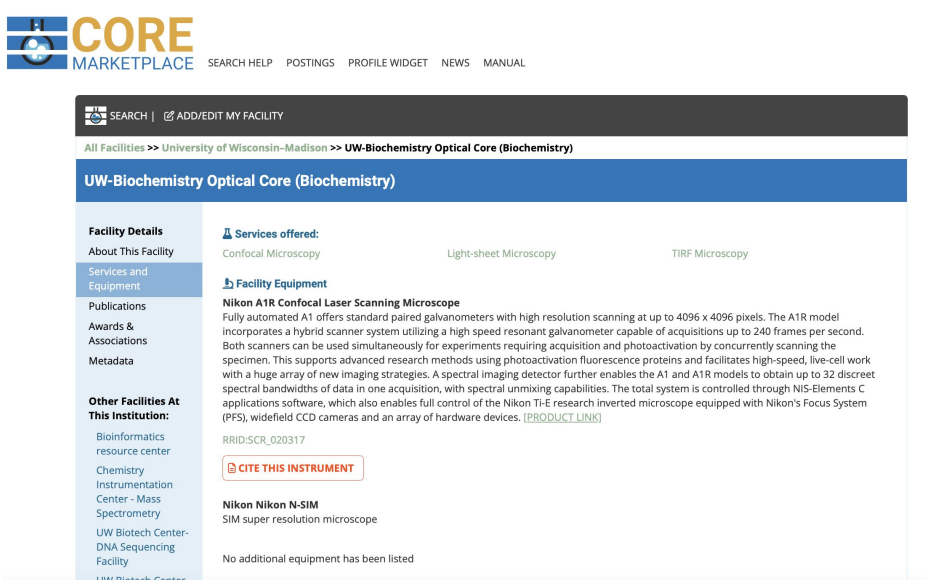
“Introduction to the CoreMarketplace”

CoreMarketplace: an international repository of core facility information including but not limited to

- Specialties
- Instrumentation
- Publications
- Institution/Location/Contact
- Related facilities

Purpose: to help facilities organize their data

Learn More: https://coremarketplace.org



"PIDs as the primary Instrument for Discovering and Accessing data"

Using PIDs in Organized Systems

CM Leverages several PIDs

- RRID
- ROR
- ORCID
- Other

RRID

Core PID
Instrument PID

Cores ⟷ Spec Objs

Cores ⟷ Institutions

Cores ⟷ People

“PIDs as the primary Instrument for Discovering and Accessing data”

Persistent Identifiers (PIDs)

Like an inventory system: everything you need to find gets labeled

Product Number
Serial Number
Location

Product Number
(Class)
Multiple instances

Tires

Serial Number
(Object)
Specific Instance

Car Sold

Location
(Category)
Specific/Reusable

Warehouse

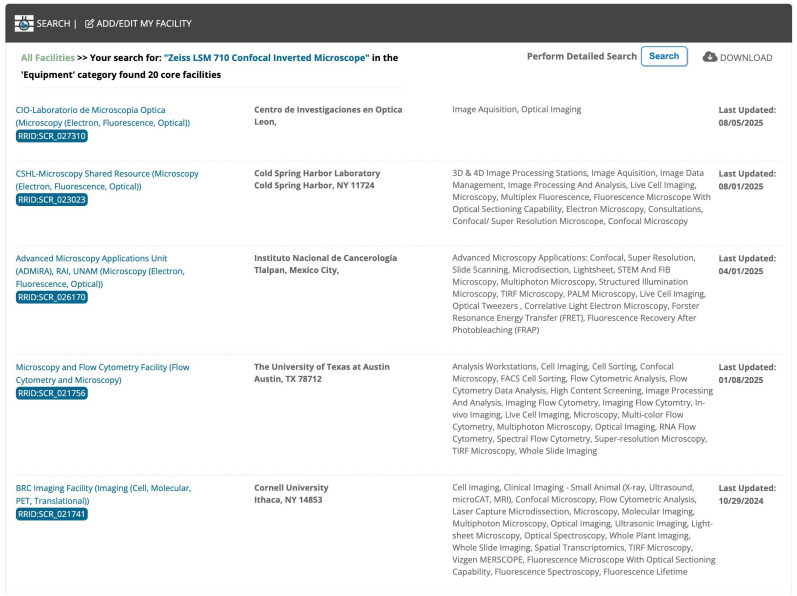
“PIDs as the primary Instrument for Discovering and Accessing data”

Persistent Identifiers (PIDs)

Example Usage:

Using PIDs for discovery

- “Find all facilities using a particular model of instrument”

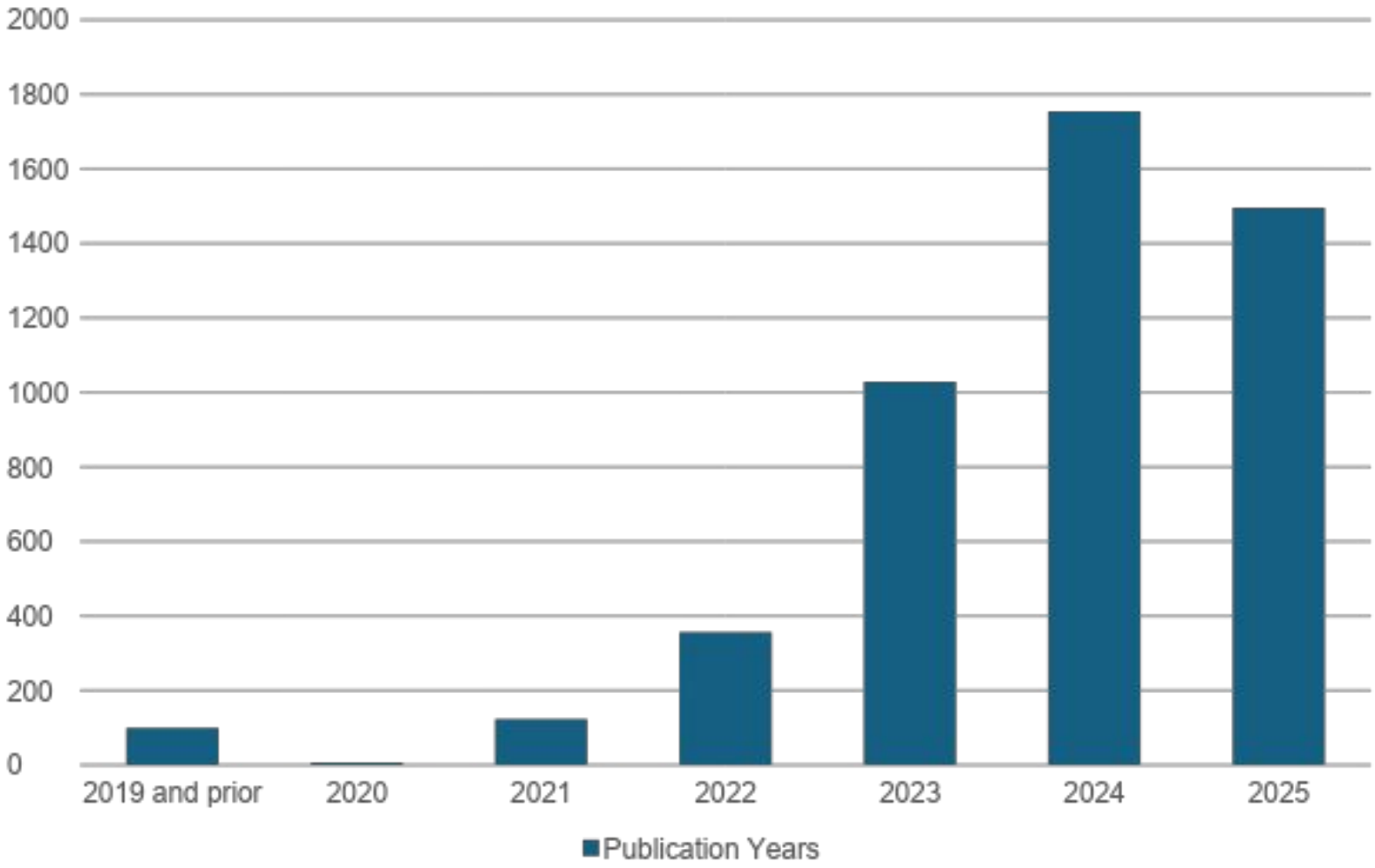


Systems with PIDs in place can automatically discover and share data

- CoreMarketplace publications (3106 as of 9/4/25)
- Citation by RRID (assigned to facility) allows automated queries of relevant publications

“When it works, it works well”

Core Facility Citations in Articles using PID (RRID)



“When they don’t work, It’s frustrating”

protocols.io

CORE MARKETPLACE

RRIDs
(organized around person)

RRIDs
(organized around core)

ORCIDs
(used to connect to ORCID)

ORCIDs
(used to index person data)

“Data Discovery Within Indexed Systems”

CORE MARKETPLACE

A Plea for Good PID Usage

1. **Use something universal (don’t invent your own)**
2. **Use the right index for the right purpose (consider using multiple PIDs)**
3. **Index your data with PIDs appropriately**
4. **Encourage PID compliance/best practices**

“Data Discovery Within Indexed Systems”

Possible Discovery Pattern

1. Publication of Article (read by Researcher)
2. Publication cites PIDs surrounding facility, instrumentation, configuration
3. Researcher finds facility profile on CoreMarketplace
4. Listed is the matching (by PID) instrumentation and configuration files
5. Configuration profiles can be downloaded and imported into the local MMA

Facility contribution is **obvious**
Research is more easily **reproduced**

“Data Discovery Within Indexed Systems”

Opening the Door to So Many More Possibilities

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