



## Metadata Schema for the Persistent Identification of Instruments

### The Challenge:

Provide research infrastructures, instrument manufacturers, and researchers with a mechanism to persistently identify their instruments and describe them in a standardized manner, thus enabling the linking of instruments with research data, articles, institutions, people, grants, etc.



Produced by: **Persistent Identification of Instruments WG**  
<https://www.rd-alliance.org/groups/persistent-identification-instruments-wg>

## What is the solution?

The Working Group proposed a metadata schema for persistent identification of instruments and implemented the schema with two existing PID service providers, namely DataCite and ePIC.

## What is the impact?

Infrastructures that operate instruments to generate data for use in research can now persistently identify their instruments, thus enabling unambiguous reference and citation, as well as describe instruments with a common set of metadata.

Data centers, publishers, and (digital) libraries more generally can make reliable use of instrument identifiers in metadata describing the published assets. Instruments are thus lifted into the PID infrastructure ecosystem, which makes possible the PID-based interlinking of instruments with data, articles, and other contextual entities, thus maximizing the discoverability of instruments and enabling new services such as measuring the impact of instruments in research.

Find out more about the  
Recommendation from  
Persistent Identification of  
Instruments WG



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