Ensuring Longevity of Web Resources

Persistent Identifiers (PIDs)

Fundamentals of Scientific Metadata: Why Context Matters


www.badumm-tsss.com
“You can’t spell!”
ERROR 404
“Path is broken.”


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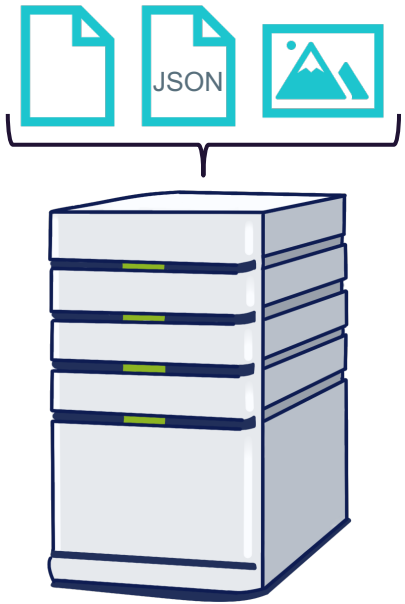
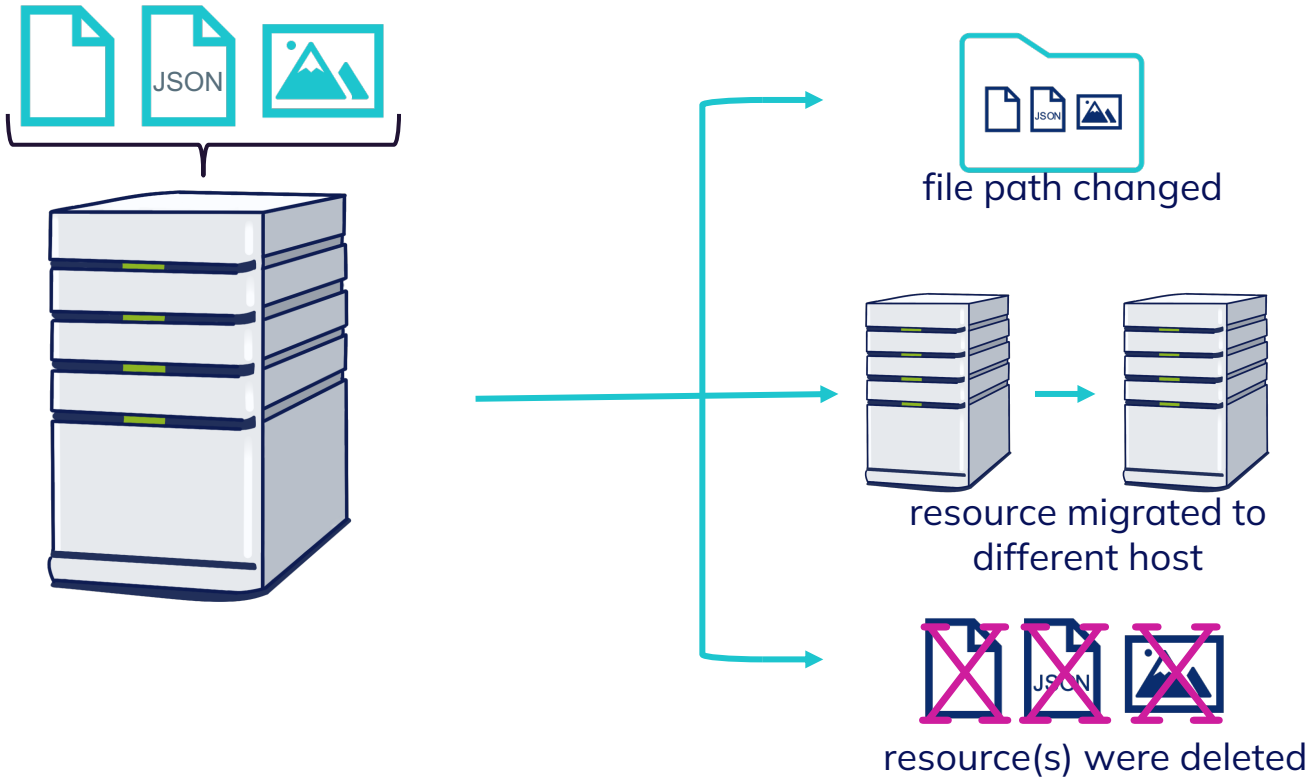
ERROR 404: Reasons for link rot

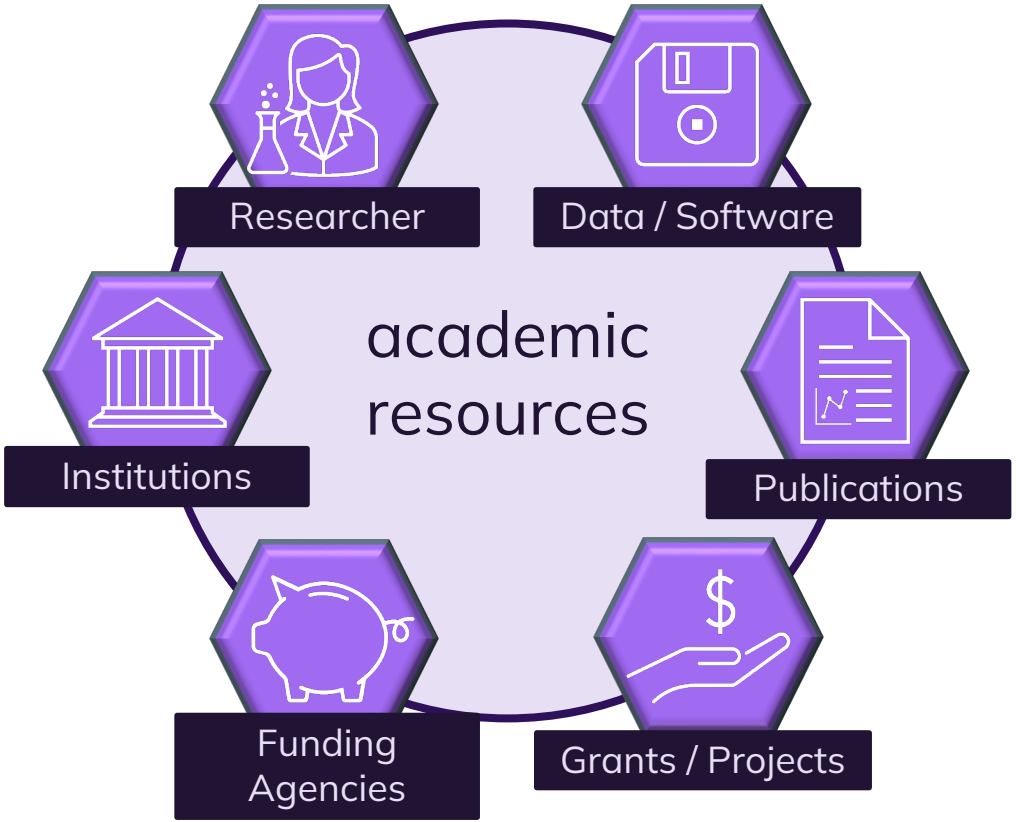


ERROR 404: Reasons for link rot



Persistent Identifier (PIDs)

What are PIDs?



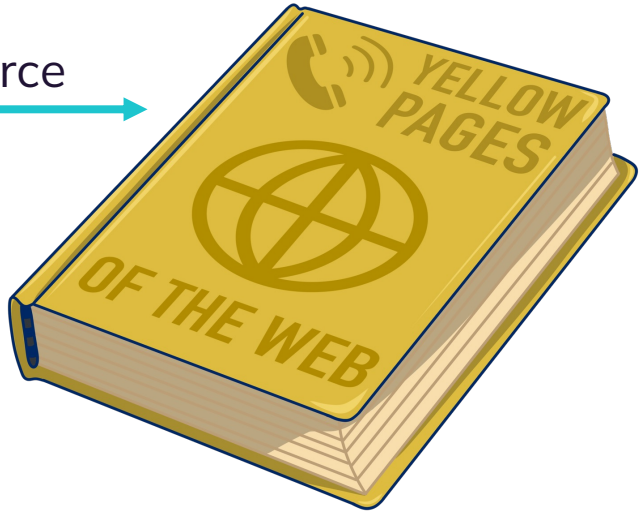
- **Persistent**, **unique** and **long-lasting references** to digital objects (web resources.
- include information on **location** and **protocol**
- ensure permanent **identifiability**, **referenciability** and **retrievability**

How do PIDs work?

PID

https://doi.org/10.1021/acs.jchemed.8b00206

identifies Resource



locates Resource

URL

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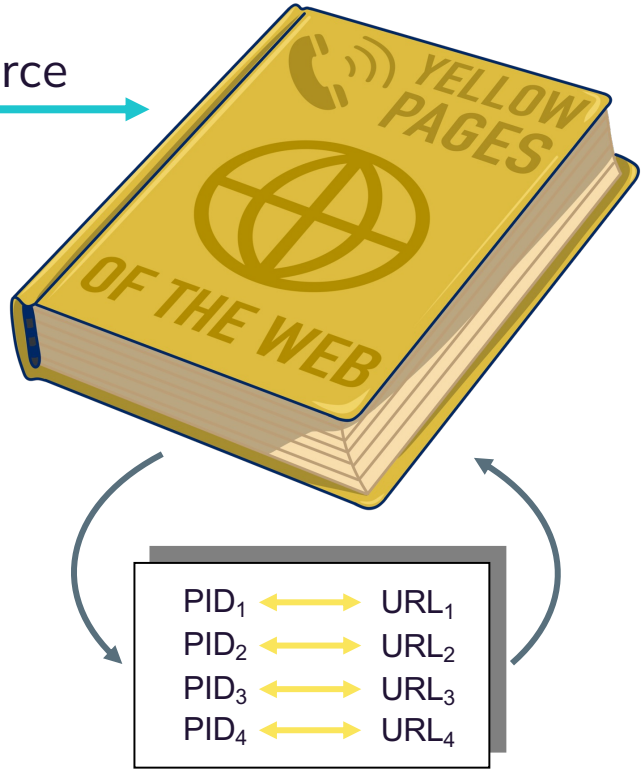

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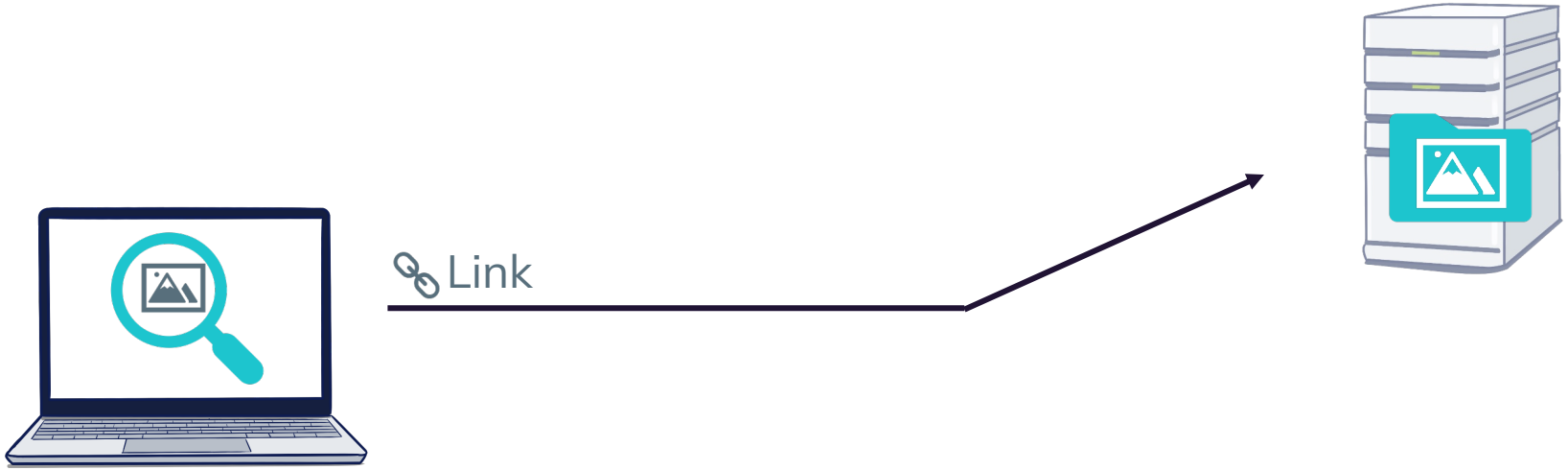

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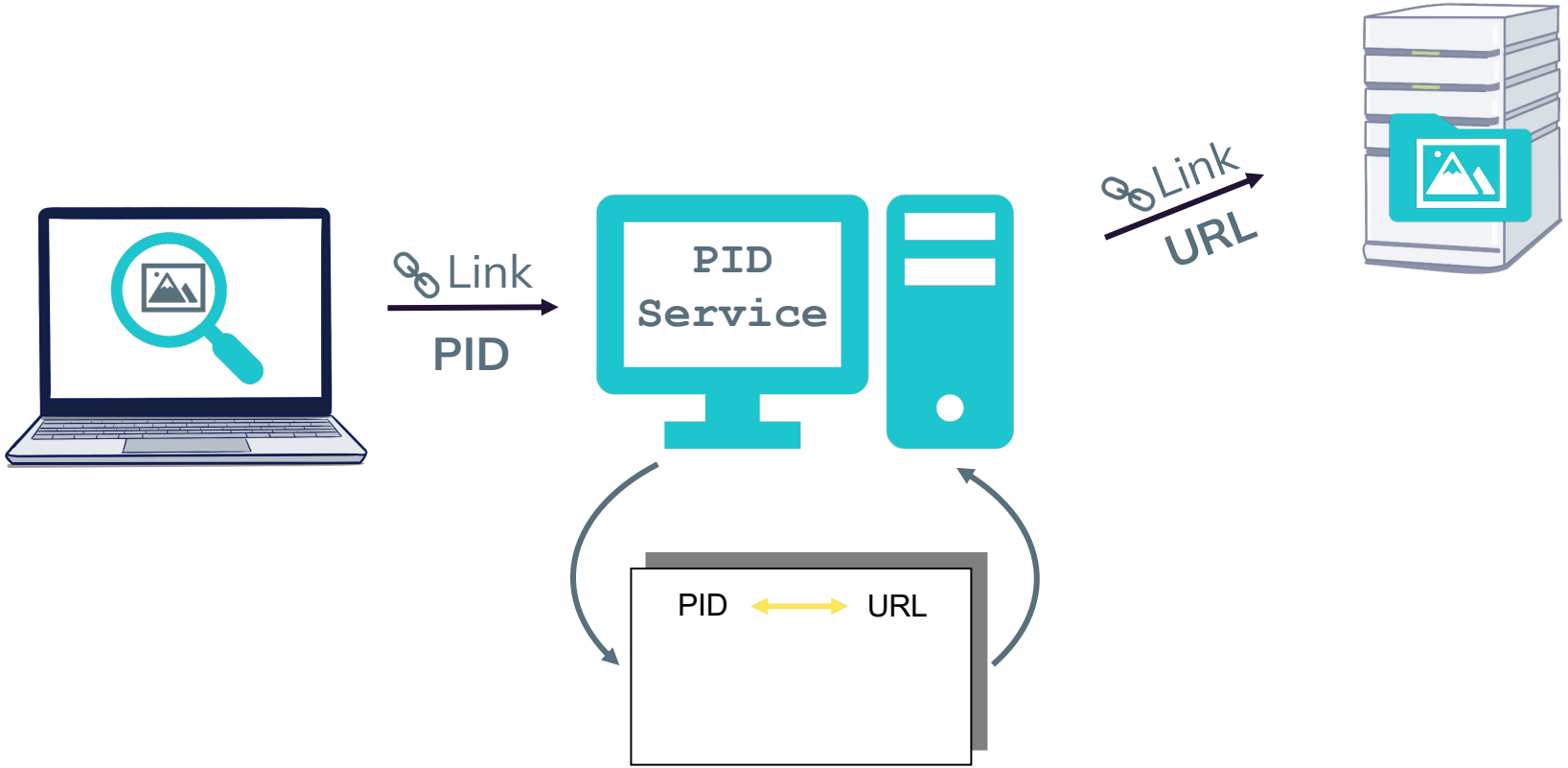

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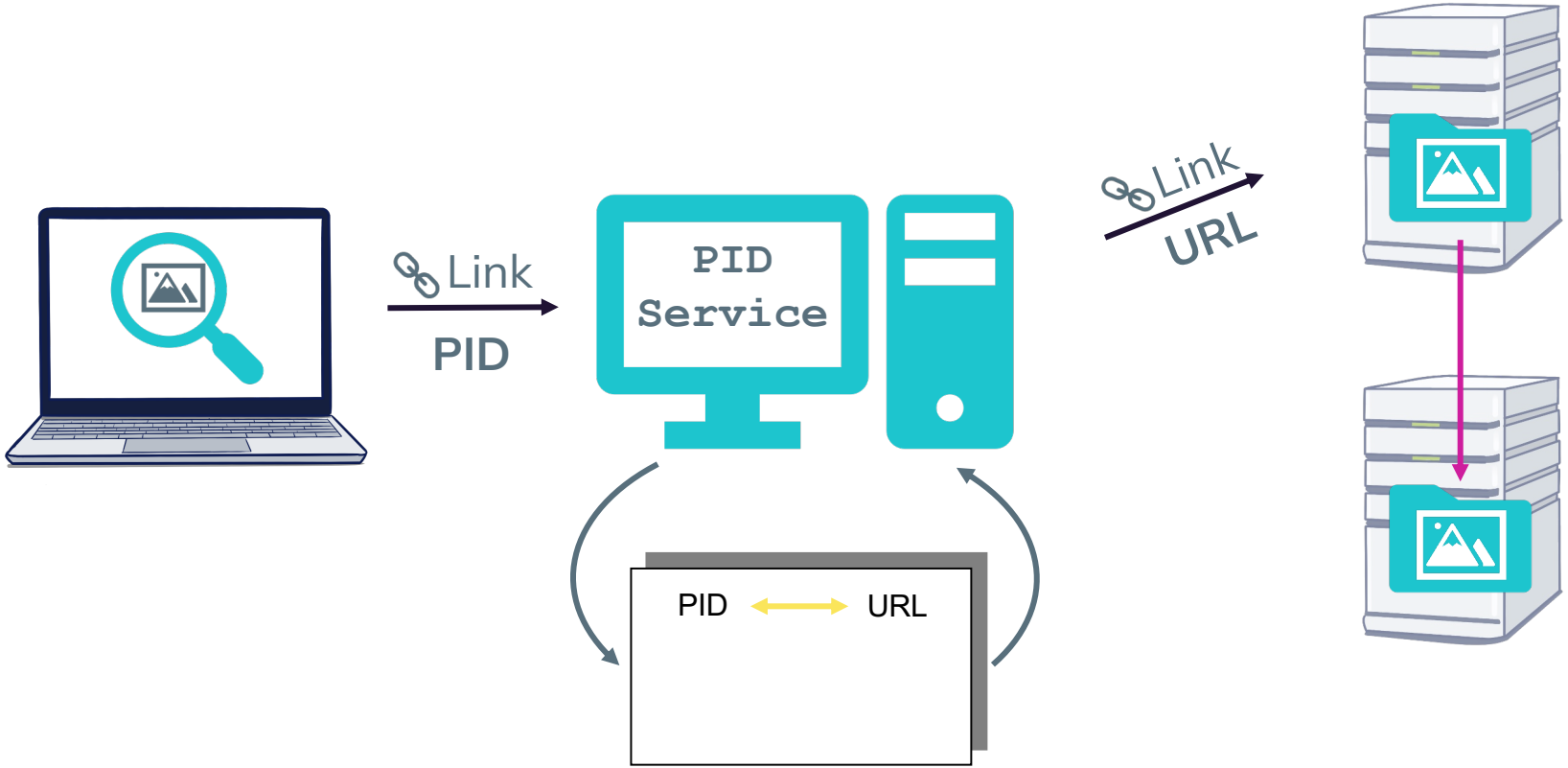

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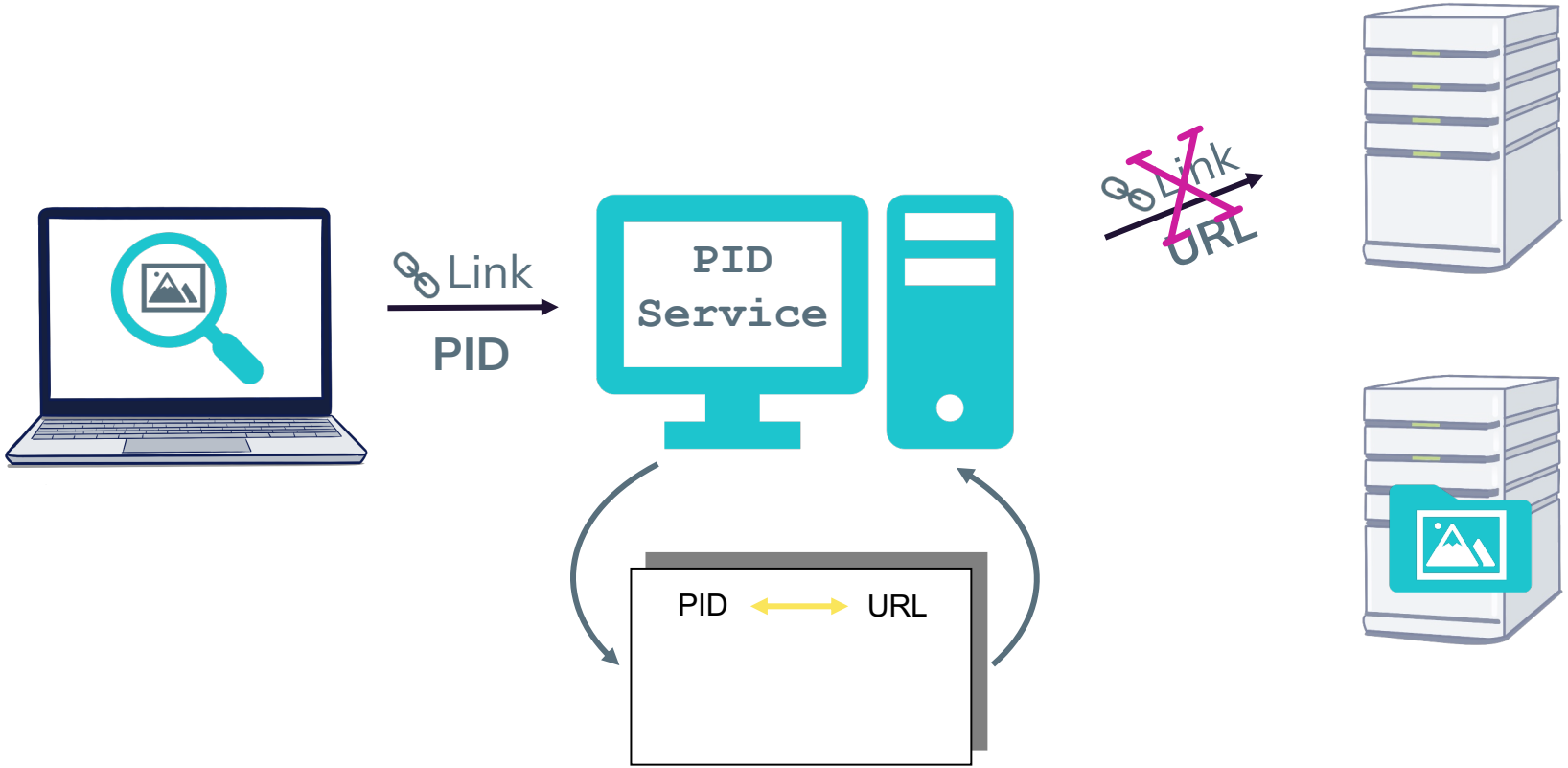

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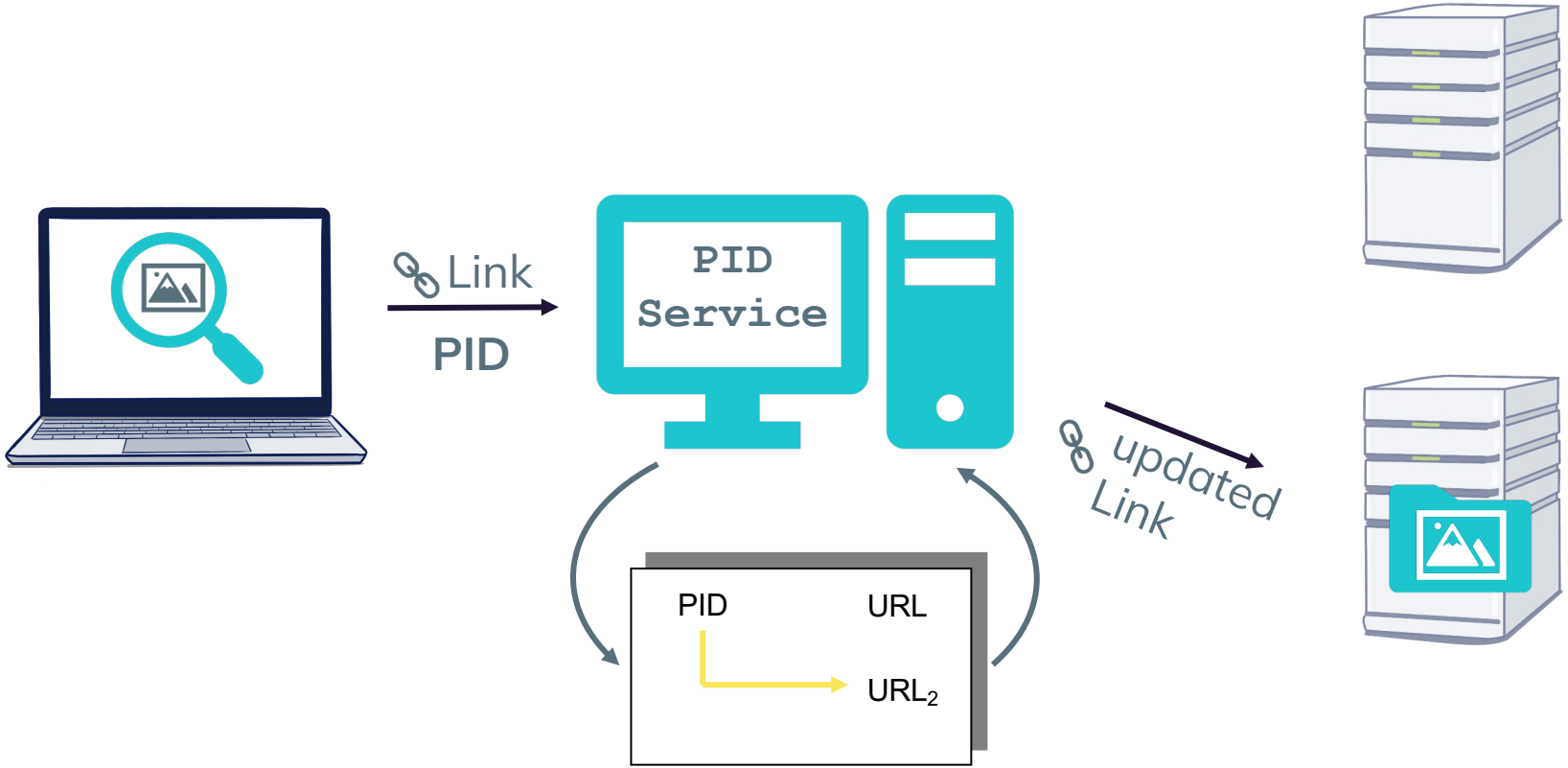

How do PIDs work?

- **PID service** provides **technical infrastructure** for redirections
- **Resource provider** (you, journal, repository) is responsible for **updating the URL.**

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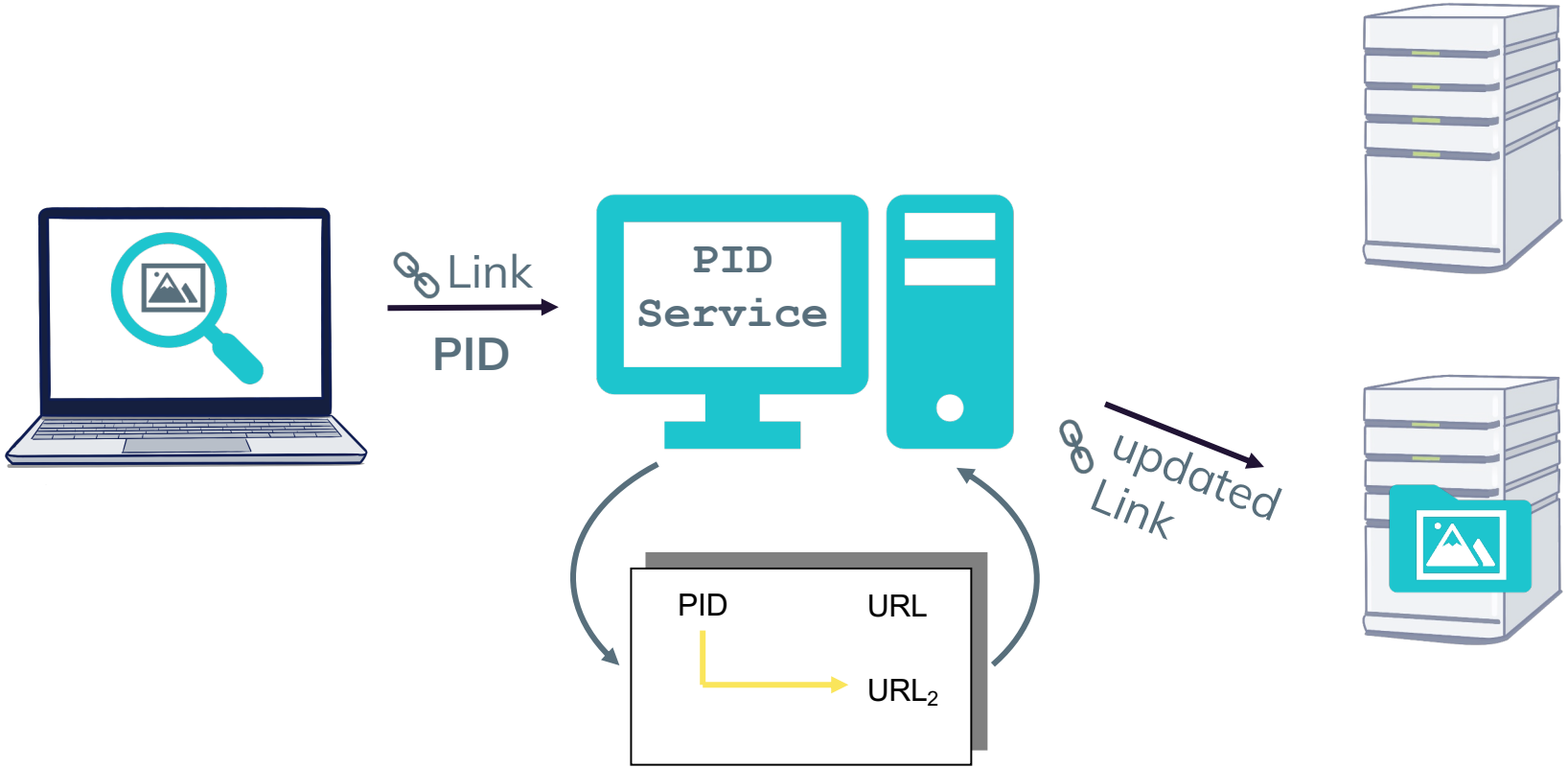

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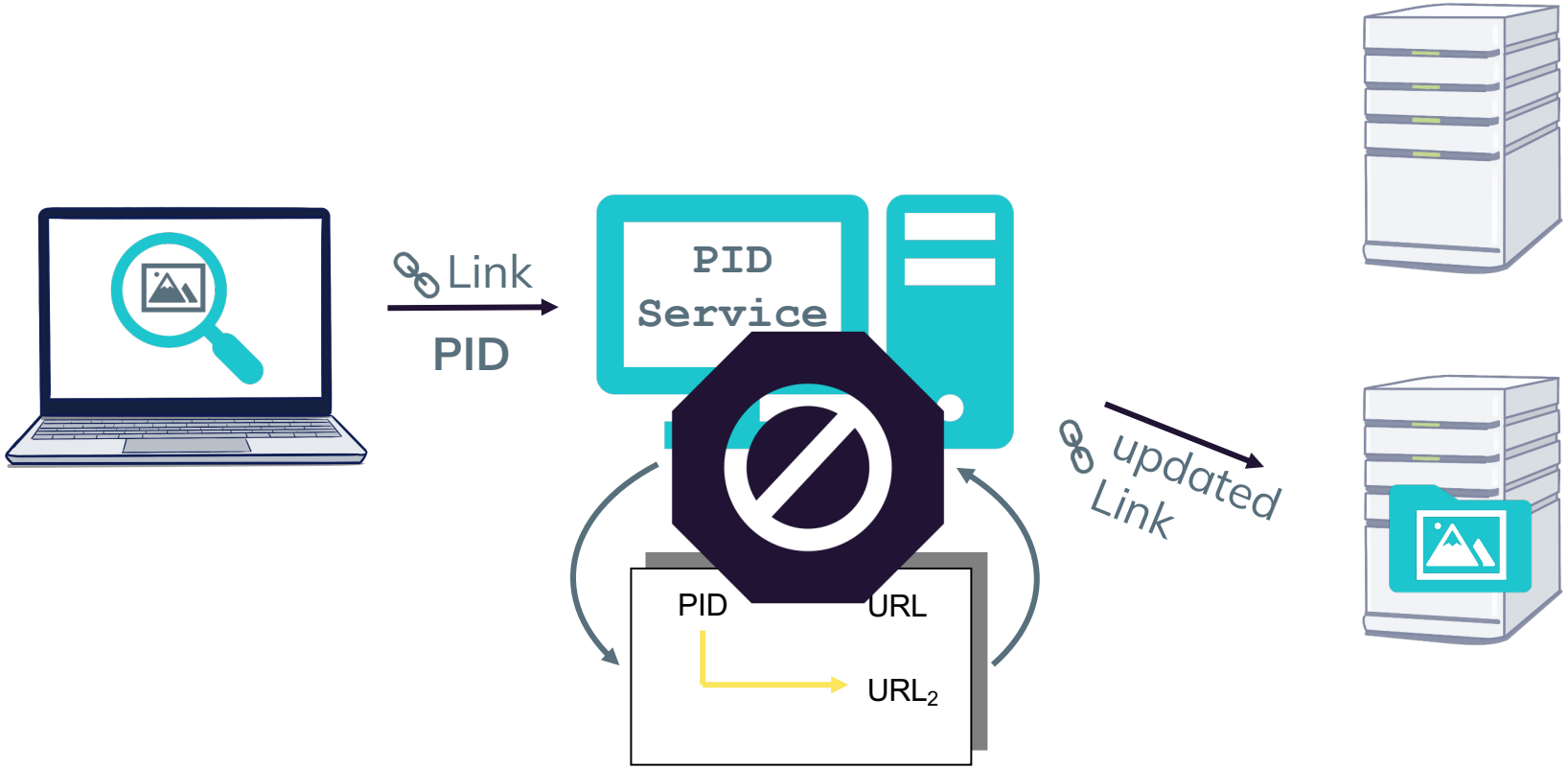
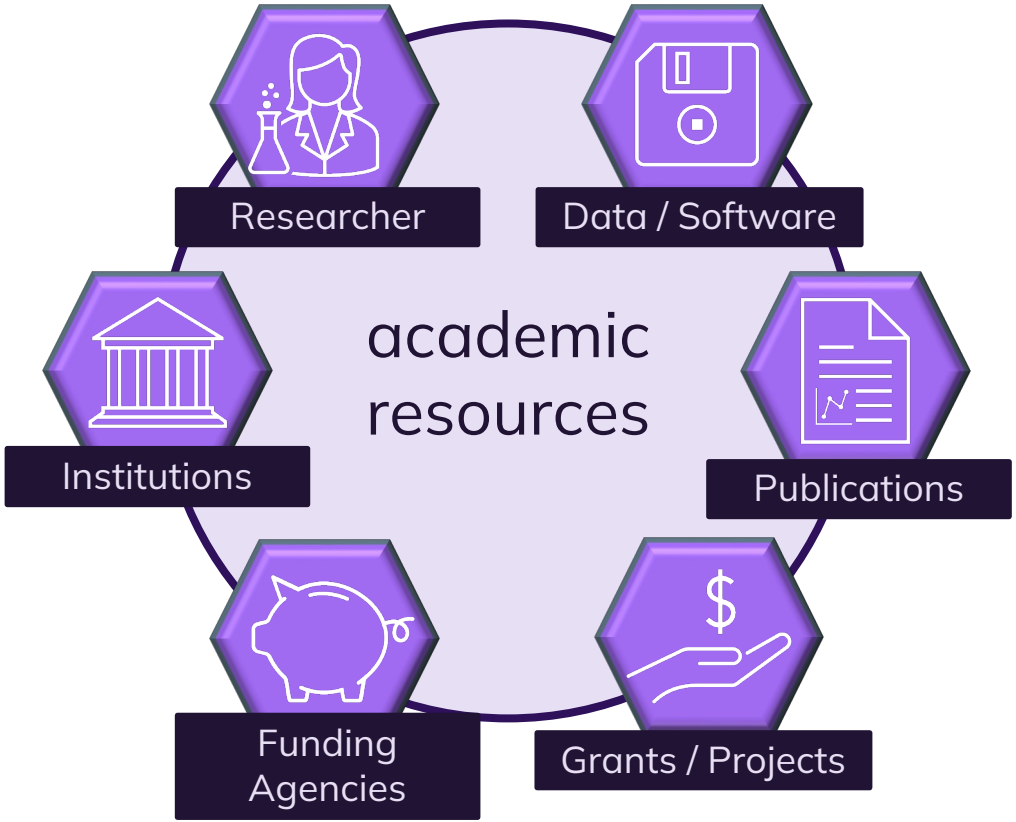


Trustworthy PID services in academia



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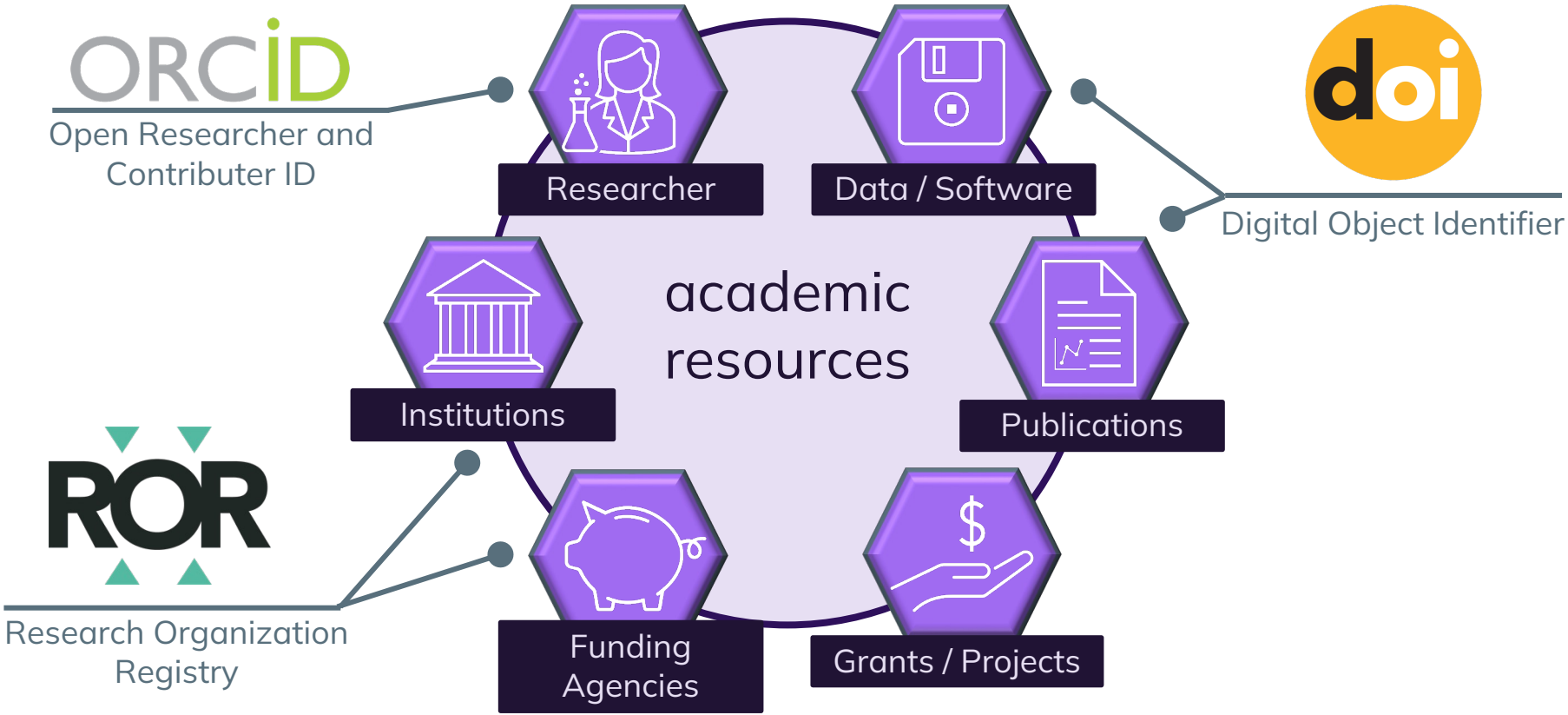

DOI – Digital Object Identifier

"A DOI is a digital identifier of an object, any object — physical, digital, or abstract. DOIs solve a common problem: keeping track of things. Things can be matter, material, content, or activities."

- *doi Foundation*

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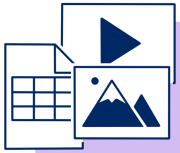
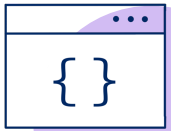
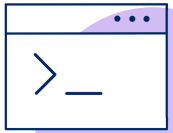
Research Articles



Data Objects



Metadata Records



Code & Software

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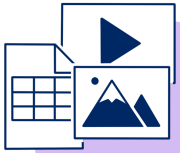

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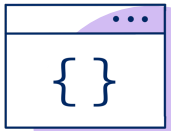

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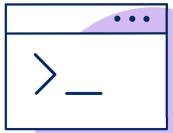

Code & Software

DataCite
FIND, ACCESS, AND REUSE DATA

Crossref

zenodo

Repositories

Scientific Journals


Questions?