

What's Metadata?

If you had two cans without labels, which would you eat?



Tuna?

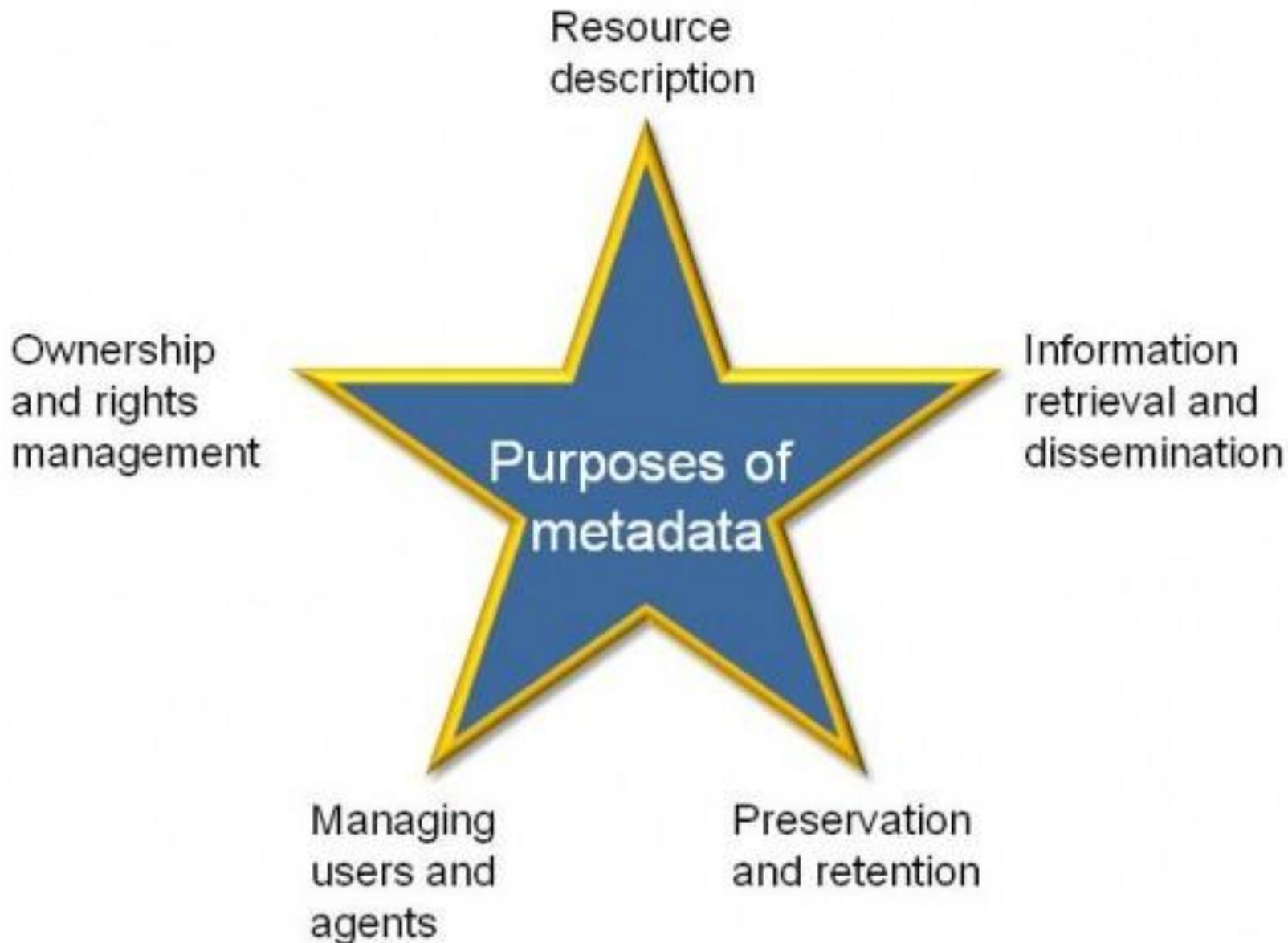
Without a label, how would you know which was tuna and which was cat food?



Cat Food?



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Why metadata: Policies & Compliance

Open Data Policy – **sharing data requires metadata**

- Open Data Executive Order and Policy (M-13-13) (2013)
- Open Government (M-10-06) (2013)
- Geographic Data Executive Order 12906 and Policy (1994)

Metadata is a **Federal Government Policy**

- OMB Circular A-16 Coordination of Geographic Information (2002)
- FGDC Content Standard for Digital Geospatial Metadata (1998)
- FWS FW 8 Geographic Information Systems Manual Chapter

- DOI Geospatial Metadata Policy (2013)**
- DOI Metadata Policy (under development)**

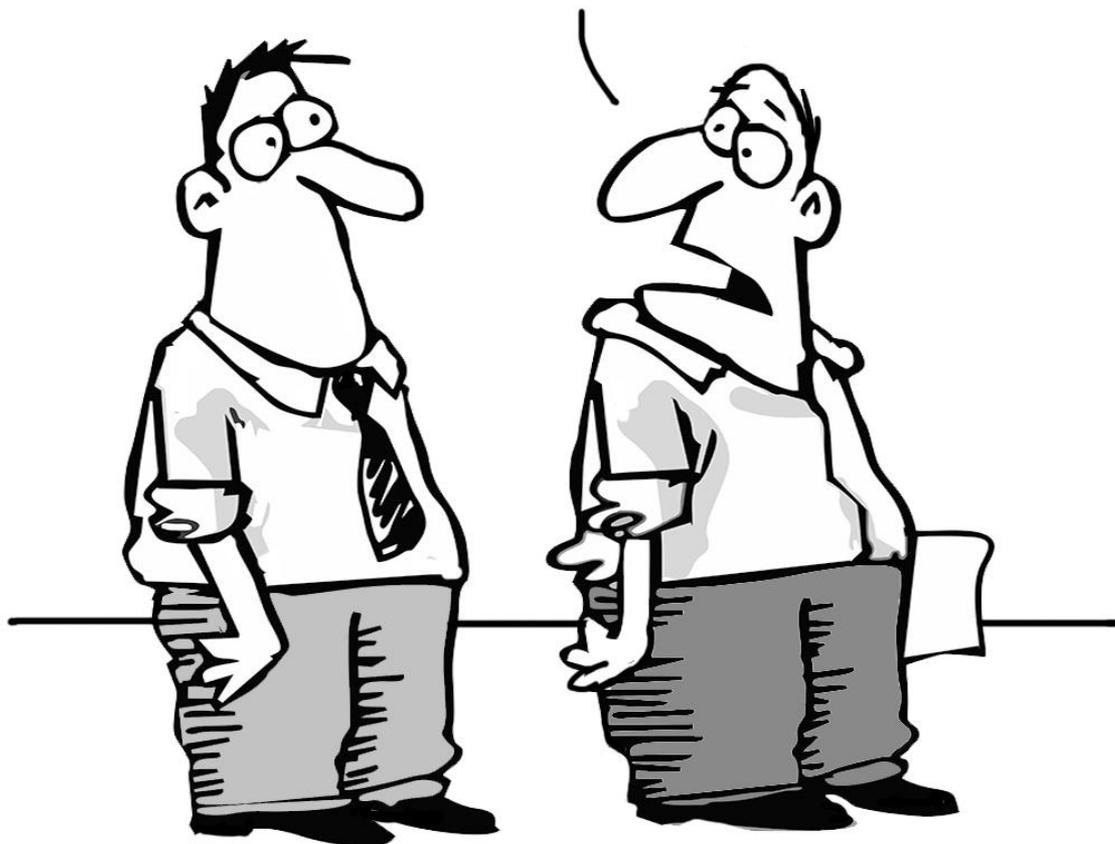


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Why Metadata? COST of undocumented data!

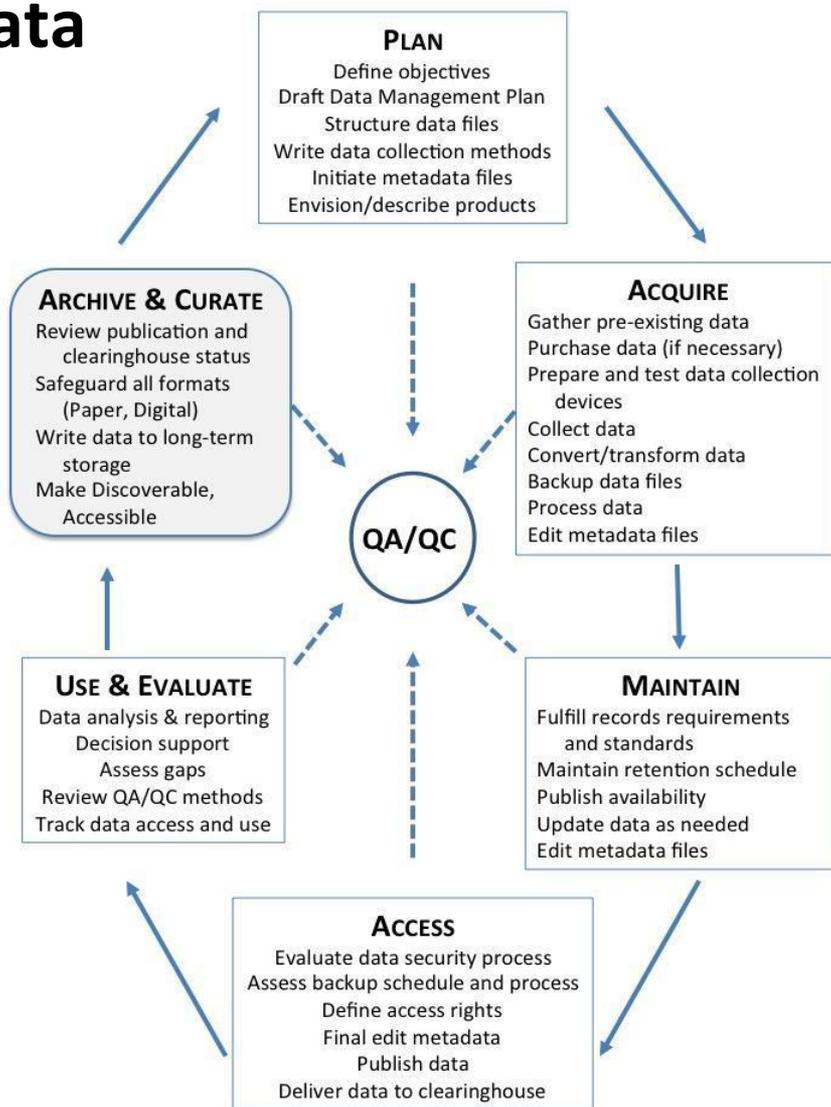
MY DOCTOR SAYS MY HAIR
LOSS IS CAUSED BY ME
WORRYING ABOUT DATA LOSS!

© D.Fletcher for CloudTweaks.com





Metadata is an extremely important part of Data Management





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Why Metadata?





Sharing Data

- Open Data Directive
- Service Catalog (NWRS I&M System owners) requires metadata
- Sharing requires documentation

ACCESS

Evaluate data security process
Assess backup schedule and process
Define access rights
Final edit metadata
Publish data
Deliver data to clearinghouse





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Why Metadata?

i annotated ur document...

...but i eated it!





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Lifecycle

- Data Delivery and Standards & Specifications Template
 - Improve Data Deliverables Associated with Contracts & Agreements

ACQUIRE

- Gather pre-existing data
- Purchase data (if necessary)
- Prepare and test data collection devices
- Collect data
- Convert/transform data
- Backup data files
- Process data
- Edit metadata files

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Data Delivery Standards & Specifications Template

Improve Data Deliverables Associated with Contracts and Agreements:

The Data Delivery Standards & Specifications Template is a flexible tool intended to provide government project managers with a selection of best practices, standards, and documentation focused on improving the quality of data and documentation delivered through contracts, agreements, and other collaborative activities.

Who should use the template?
Government project managers and specialists in cooperation with contracts and agreement personnel. Project managers cover a wide range of disciplines including: biology, ecology, hydrology, geography, planning, and data management.

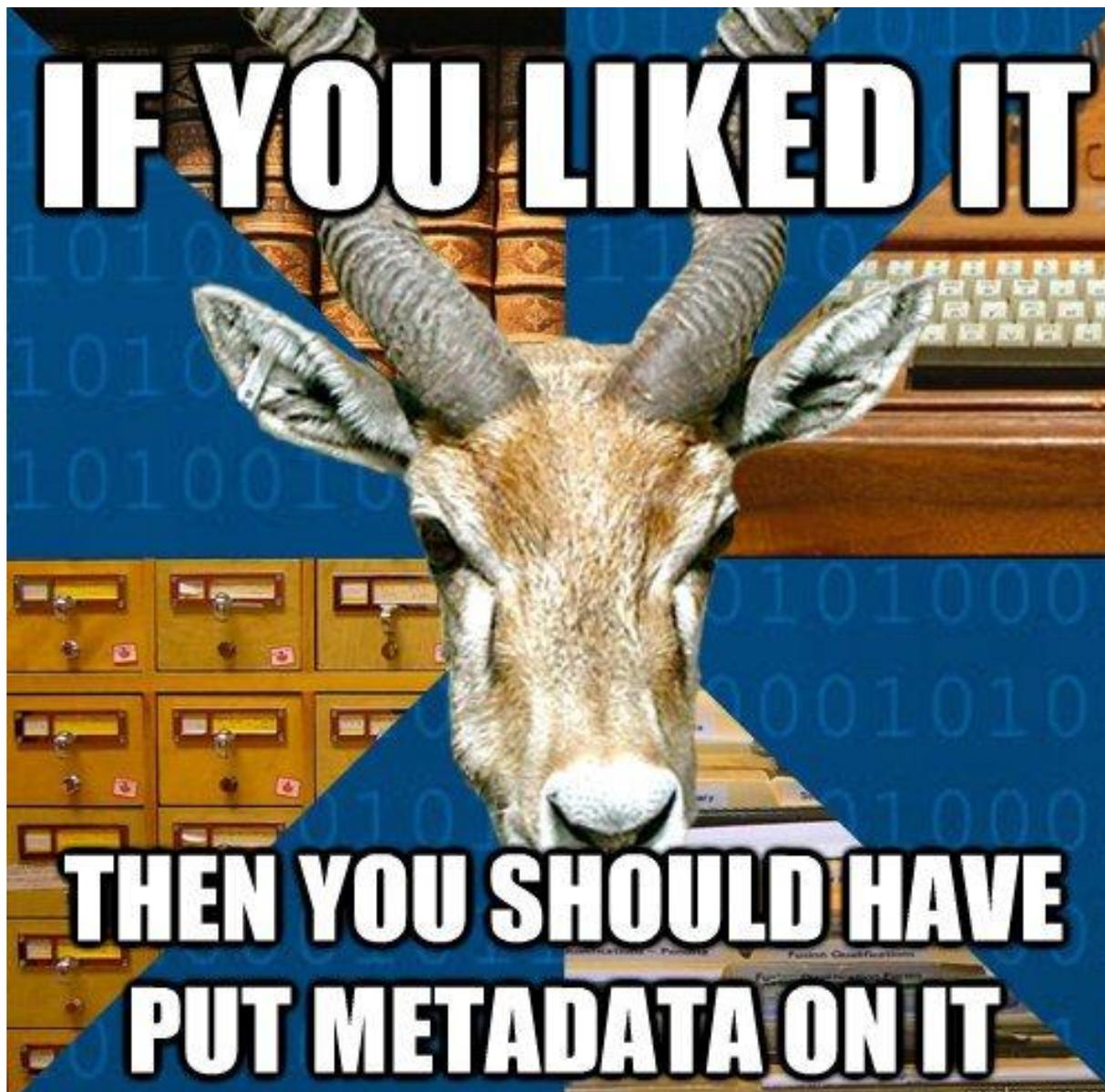
Why use the template?
Project managers and GIS/Data managers should use the template to evaluate the range of potential data deliverables relevant to their individual project(s) and complement a Statement Of Work, or help define the requirements for a data management plan. In return, contractors and cooperators will have a clearer understanding of project expectations and their responsibilities. The template can be used to develop either pre-contract Requests For Proposals (RFP) or used after an

Item	Min	Max	Units	Deliverable	Comments
Raw Data	0	1			
Final Report	1	1			
Final Deliverable	1	1			
Final Data	1	1			
Final Metadata	1	1			
Final Documentation	1	1			
Final Deliverables	1	1			



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Why Metadata?





Biggest Challenges for Data Management

1

- Culture

2

- Organizational Management

3

- Information Management Infrastructure

- Training
- Policy
- Enforcement
- People





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Legacy for your work.





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Why Metadata?





**KEEP
CALM
AND
METADATA
ON**