## **Research Data Services**

Data Literacy Series, n.3/2023



EML is a community-maintained machine-readable metadata schema that provides a comprehensive vocabulary and XML markup syntax for documenting research data and related outputs. It is widely used in the Earth and Environmental Sciences and sibling disciplines to meet researchers' needs for sharing, preserving, discovering, and reusing data.



Adopts much of its syntax from the other standards for better compatibility.



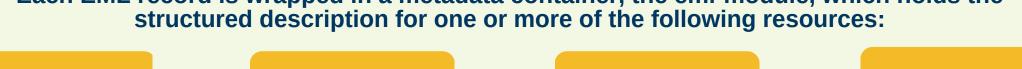
**Balances the tradeoff of too** much detail with enough detail for better processing.

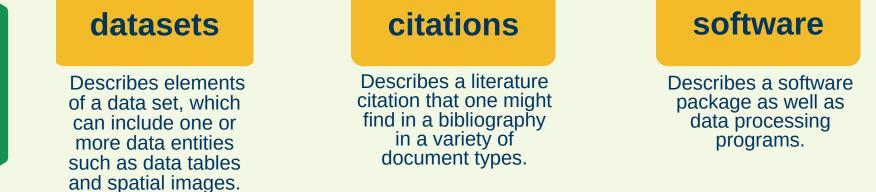


**Offers backward** compatibility, allowing interoperability over time.

Each EML record is wrapped in a metadata container, the eml-module, which holds the structured description for one or more of the following resources:

The EML schema is modularized to facilitate its growth in both breadth and depth.





## protocols

Describes a scientific protocol, which can include one or more descriptions of methods and procedures.

The schema also includes Data Structure, Discovery & Interpretation, and Utility modules and sub-modules with specific entities to describe resources' attributes in more detail.

Examples of EML entities and elements that can enhance your dataset's description, making it more findable and understandable:

