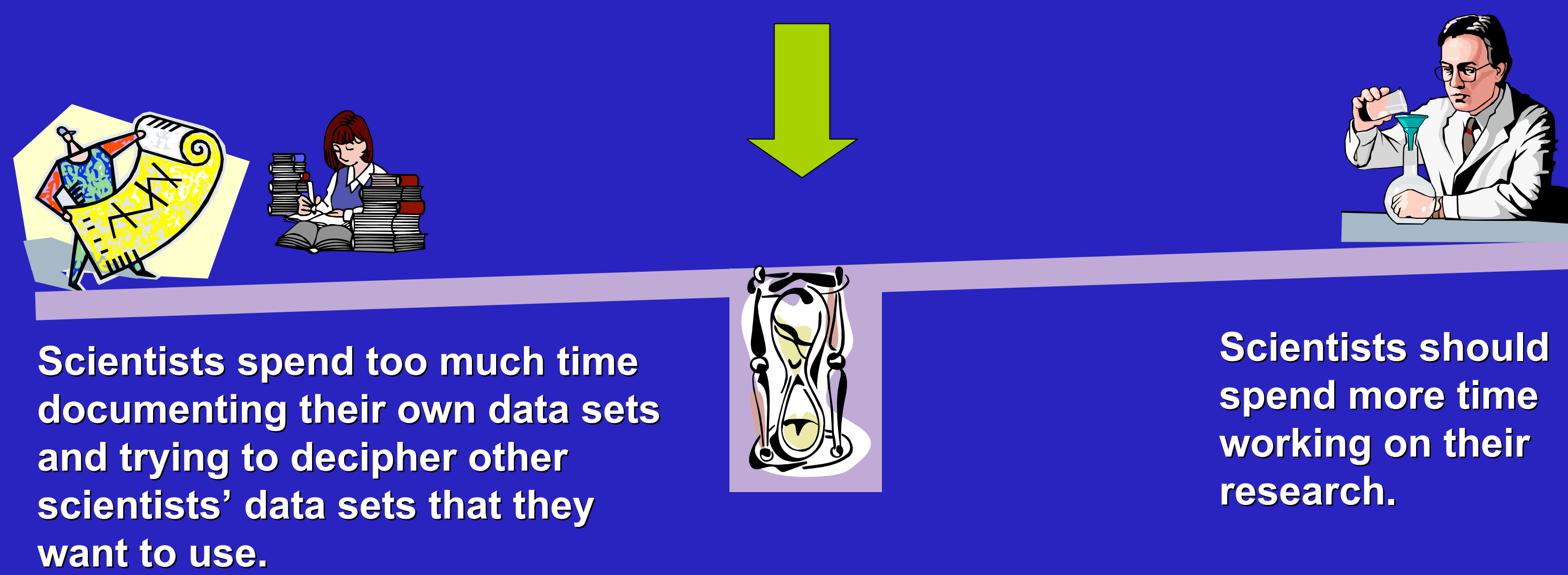
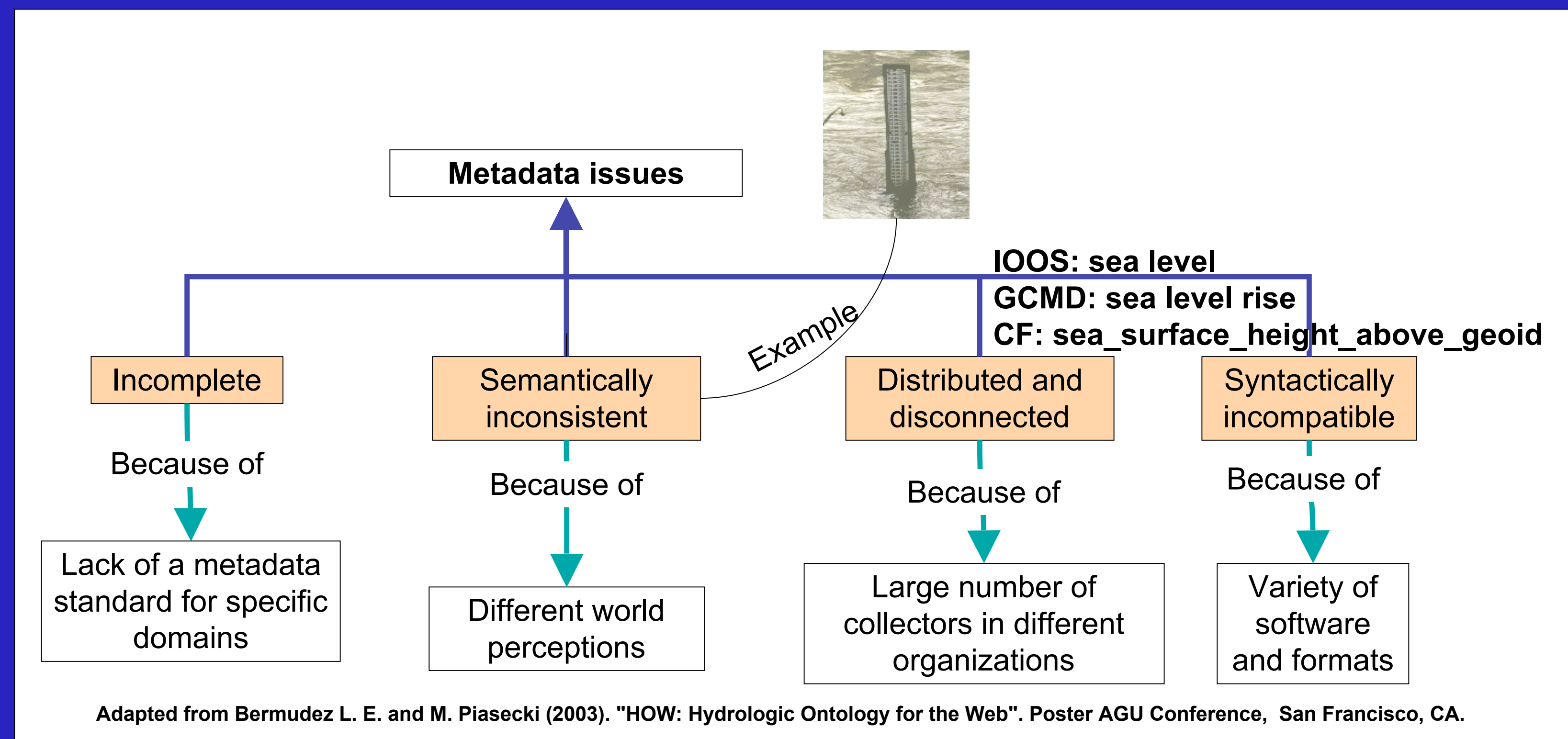


Metadata Definition and Issues

Metadata is data about data and answers what, when, where, how, who and why of the described data. It also helps to: discover, access, evaluate and use data.



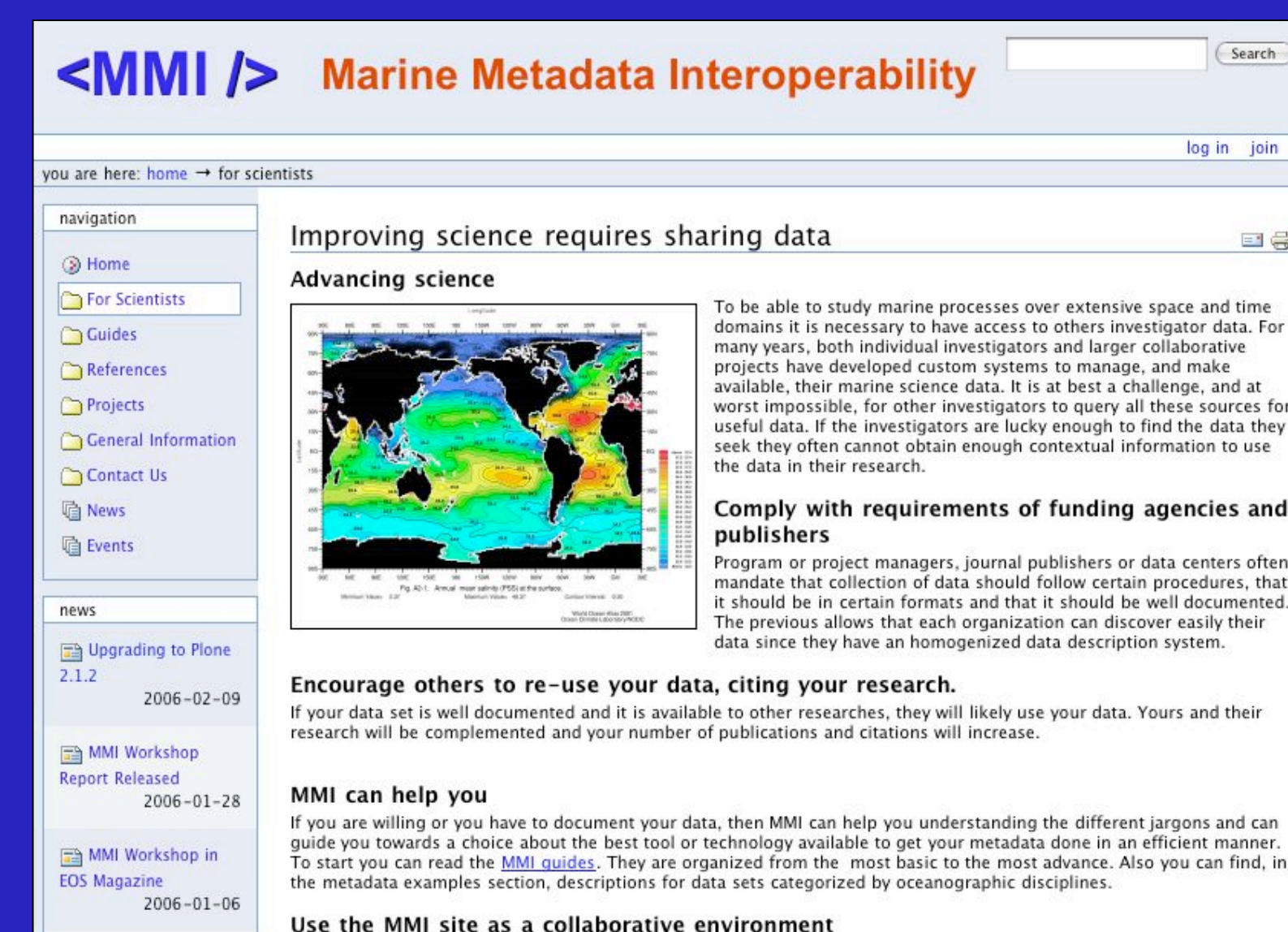
Participating in the MMI

The mission of the MMI is to promote the exchange, integration and use of marine data through enhanced data publishing, discovery, documentation and accessibility.

Ways you can participate:

- ✓ Register and contribute to the site so you help build the community resource.
- ✓ Participate in and/or co-host a workshop that teaches how to handle your kind of data (info@marinemetadata.org).
- ✓ Participate in the interoperability demonstration as a data provider (marinemetadata.org/tethys). This will start building tools that can integrate your data with other data for new science uses.
- ✓ Test, provide feedback and contribute to our guides (marinemetadata.org/guides) to help make sure they are useful.
- ✓ Participate in our mailing list ask@marinemetadata.org, asking questions or helping others to solve them.
- ✓ Publish and manage online documentation about your project at MMI (info@marinemetadata.org), facilitating collaboration with your project members and exposing your project to all the MMI community.

<http://marinemetadata.org>



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A Guide to Sharing Data

Reasons for sharing data

Others can help you solve similar problems, find anomalies in your data and/or complement it.

Encourage others to re-use your data, citing your research. Your number of publications and citations will increase.

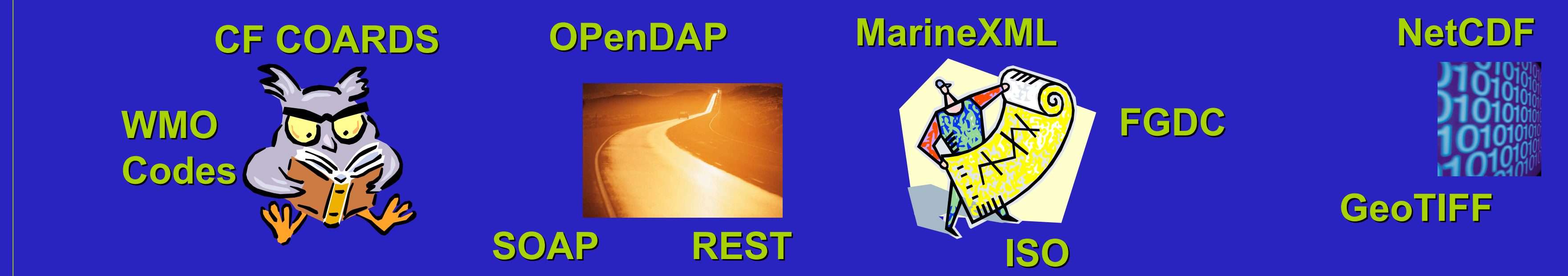
Comply with requirements of funding agencies, data centers and publishers.

Making your data publicly available

Verify that your metadata is discoverable

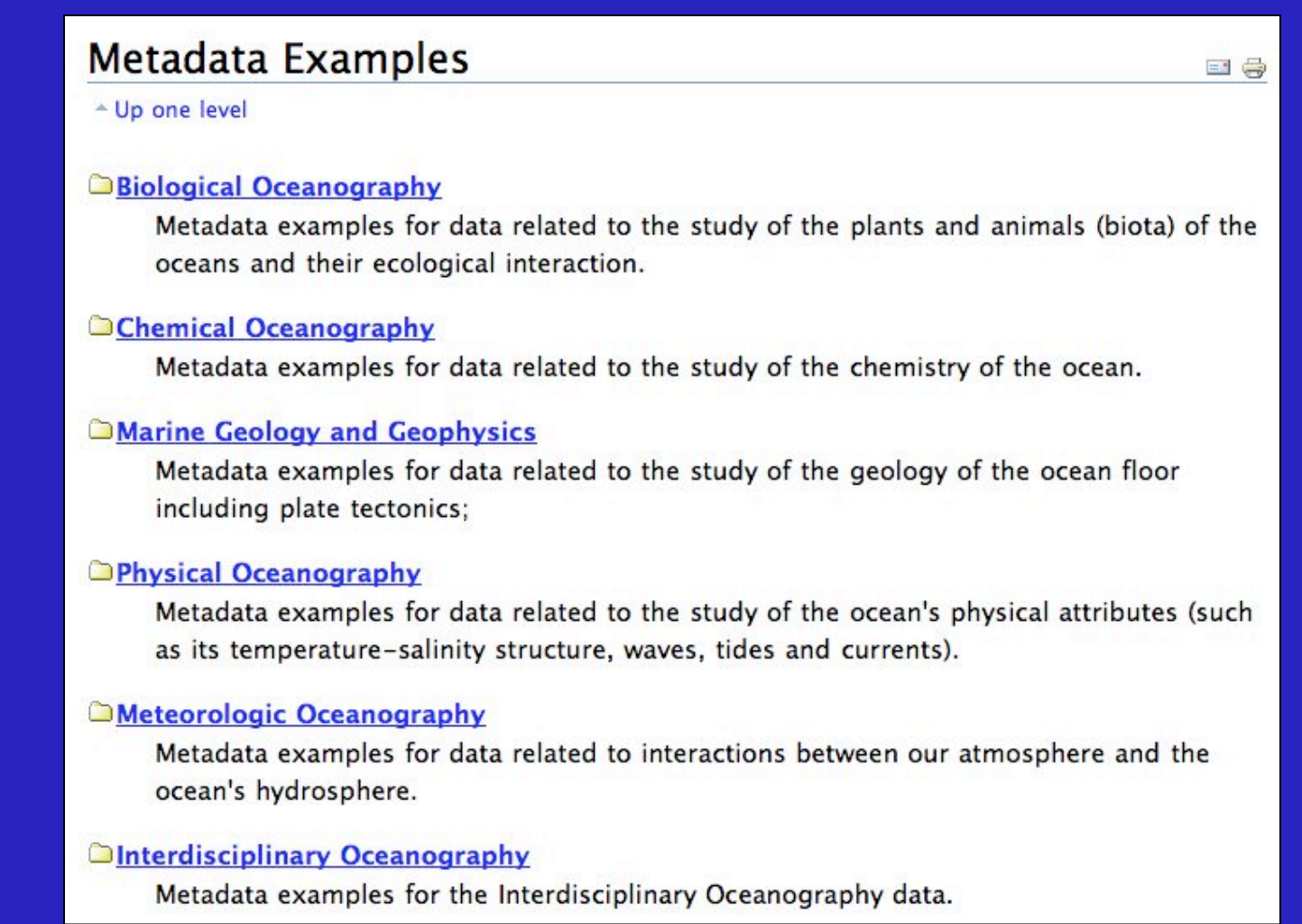
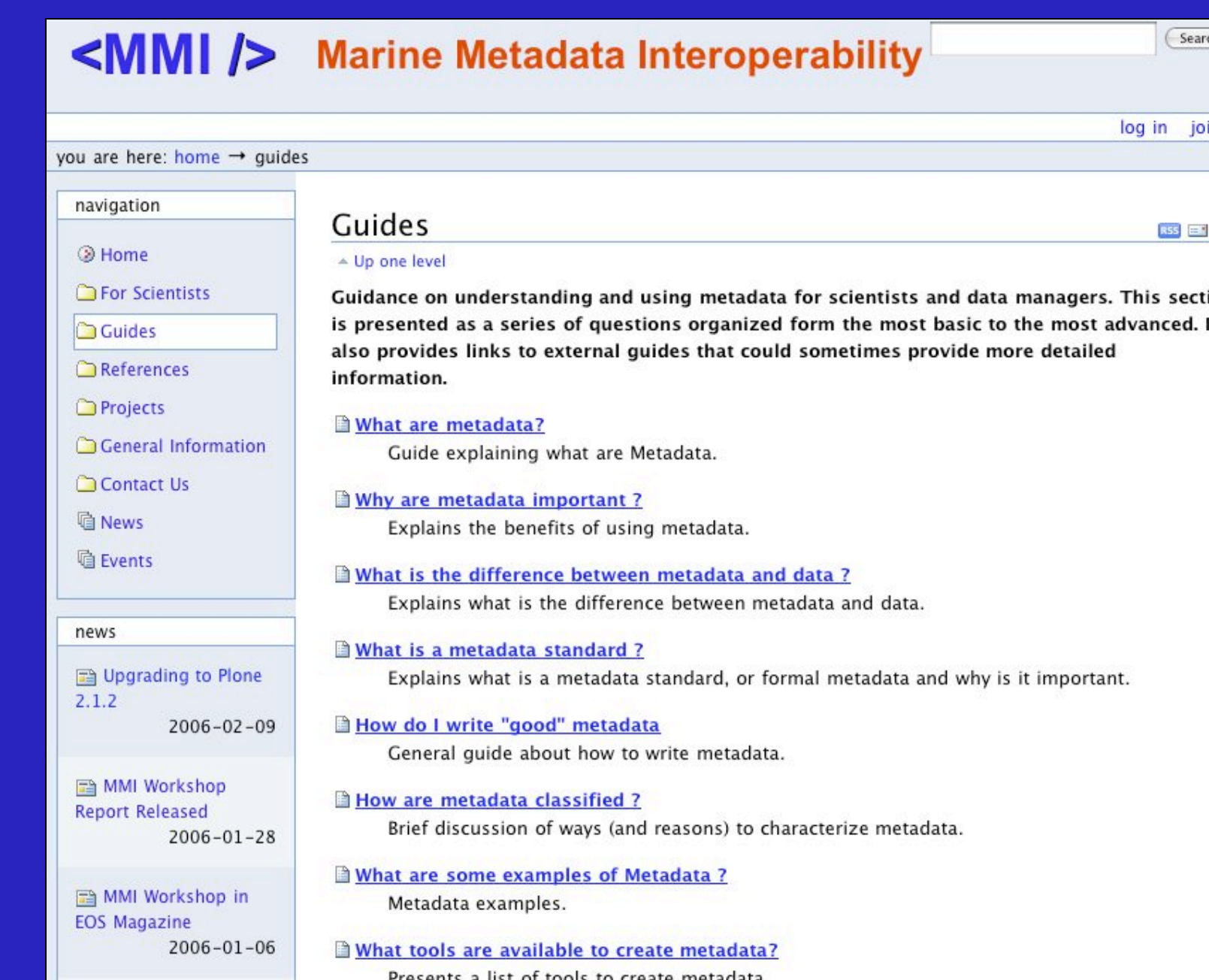
Register your metadata and data

Validate your metadata



Consider your data consumer's (e.g., journal archive, data center) requirements for vocabularies, transport protocols, content standards and file formats.

MMI provides best practices, tools, easy-to-use guidelines and recommendations, making this task easy for non-experts.



Collect all the information available that documents your data and prepare your data and metadata to meet your requirements based on the recommendations and best practices.

FGDC
 I.1 Identification Information
 I.1.8 Citation Information
 I.1.8.1 Originator
 I.1.8.2 Publication Date
 I.1.8.4 Title
 I.1.8.5 Edition
 ...

My ASCII Format

NetCDF

SSH_1

CF: sea_surface_height_above_geoid

Describe your data according to the selected metadata standard.

Convert to standard formats.

Map your attributes, source names, flags and other codes to a common set of terms. This will help users to understand in a common language the content of your data. The Web Ontology Language (OWL) is a tool that can be used to facilitate the process.