Data access 2.0

More info
Online Jupyter
Book & links

THREDDS Protocol

All of the data access methods for the eReefs data are centralised around **THREDDS** (*Thematic Real-time Environmental Distributed Data Services*).

THREDDS is middleware that bridges the gap between data providers access to any dataset which is connected to the eReefs Data Brokering Layer.

OPeNDAP

Open-source Project for a Network Data Access Protocol provides a standardised means of requesting and providing data across the web.

It allows you to access remote data over the internet using familiar data analysis and visualisation tools such as GIS, Python, Matlab, R...

TDS

THREDDS Data Server

CDM

Common Data Model

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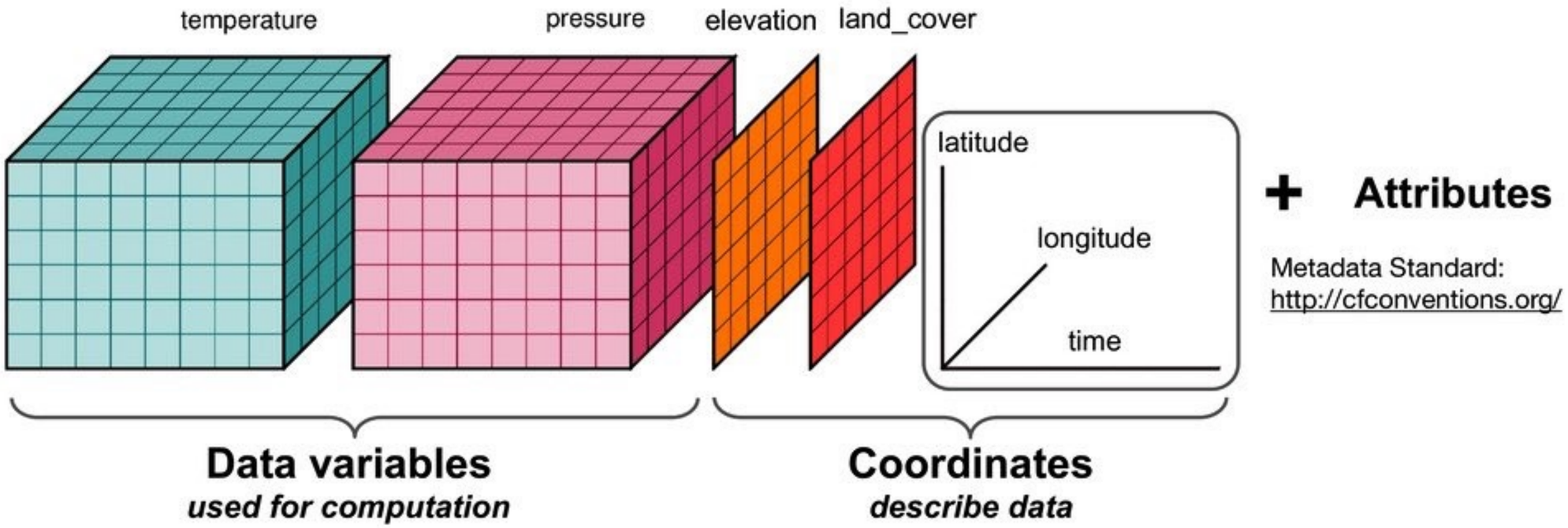
NetCDF is a “self-describing” binary file format that’s used a lot for storing atmospheric and oceanographic data.



+ Attributes

Metadata Standard:
http://cfconventions.org/

NetCDF files contain dimensions, variables & attributes:

- A **dimension/coordinate** is just a name and a size that describes what the shape of the data inside the file is
- A **variable** has a name, a type, a list of dimensions, some attributes, and some data (as well as specific attributes)
- An **attribute** has a name, a type, and a value.