

NASA Earth Observations (NEO)

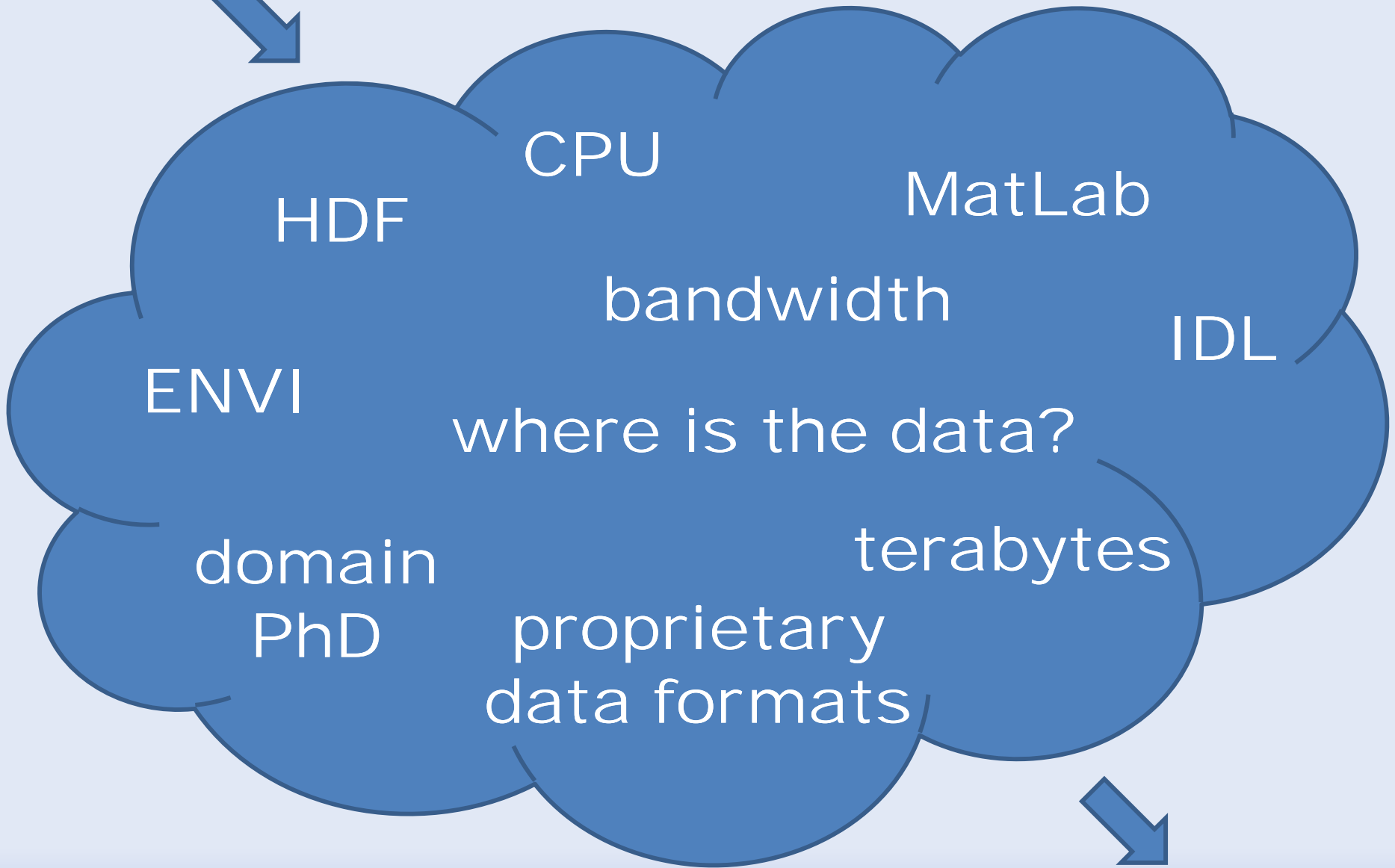
<http://neo.sci.gsfc.nasa.gov/>

How can NASA
simplify public access to
georeferenced data imagery?

Audience First

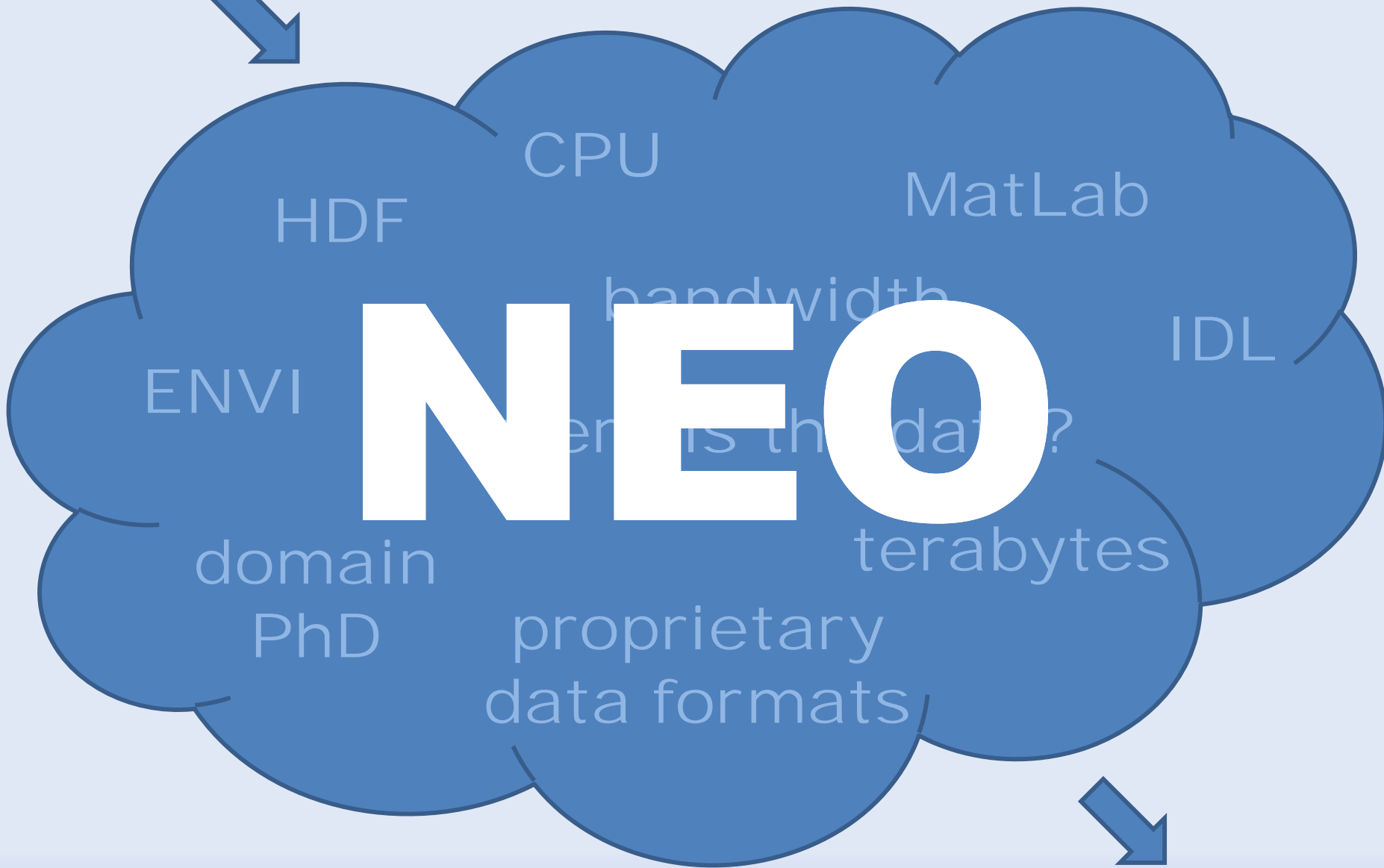
1. global NASA data imagery
2. high resolution
3. standard image formats (JPEG, PNG)

Satellite



User

Satellite



NEO



User

Decision Process

1. Global NASA data imagery

Accessible topics

- core concepts
- user-suggested

Accessible data

- data expertise

2. High Resolution

Source dataset resolutions

- 1 km to 2 deg/pixel

Real-time processing

- resizing, subsetting, color palette application

Most users need 2048x1024 or less

Base Imagery Data

3600x1800

Data only

Grayscale

- Netpbm PGM (Portable Gray Map)

3. Standard image formats

JPEG

PNG

GeoTIFF

Other Decisions

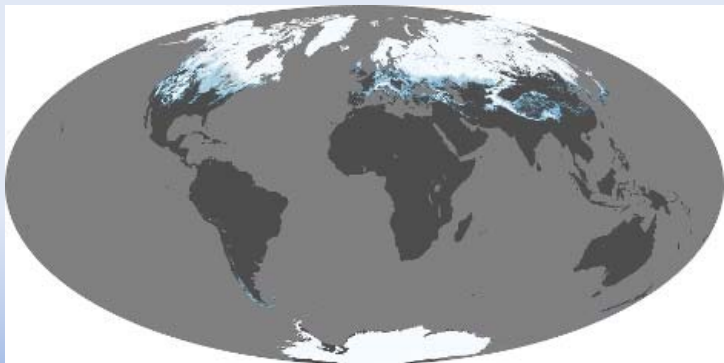
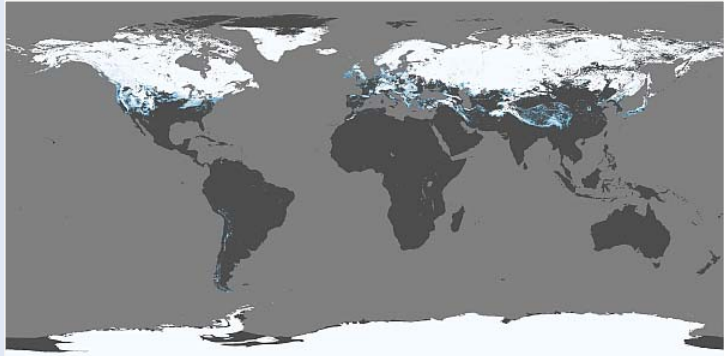
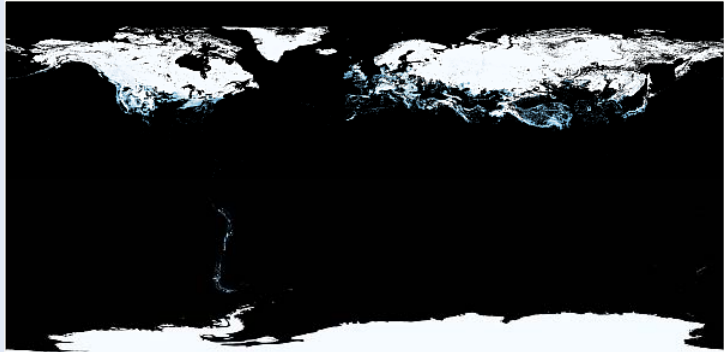
Approach data processing from
visualization perspective

Provide common temporal
compositions

Access Mechanisms

Multiple vectors for access

- Website
- WMS (Web Mapping Service)
- FTP



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