

< f a s t e r >

## Object Oriented DDI

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# FASTER, a data web

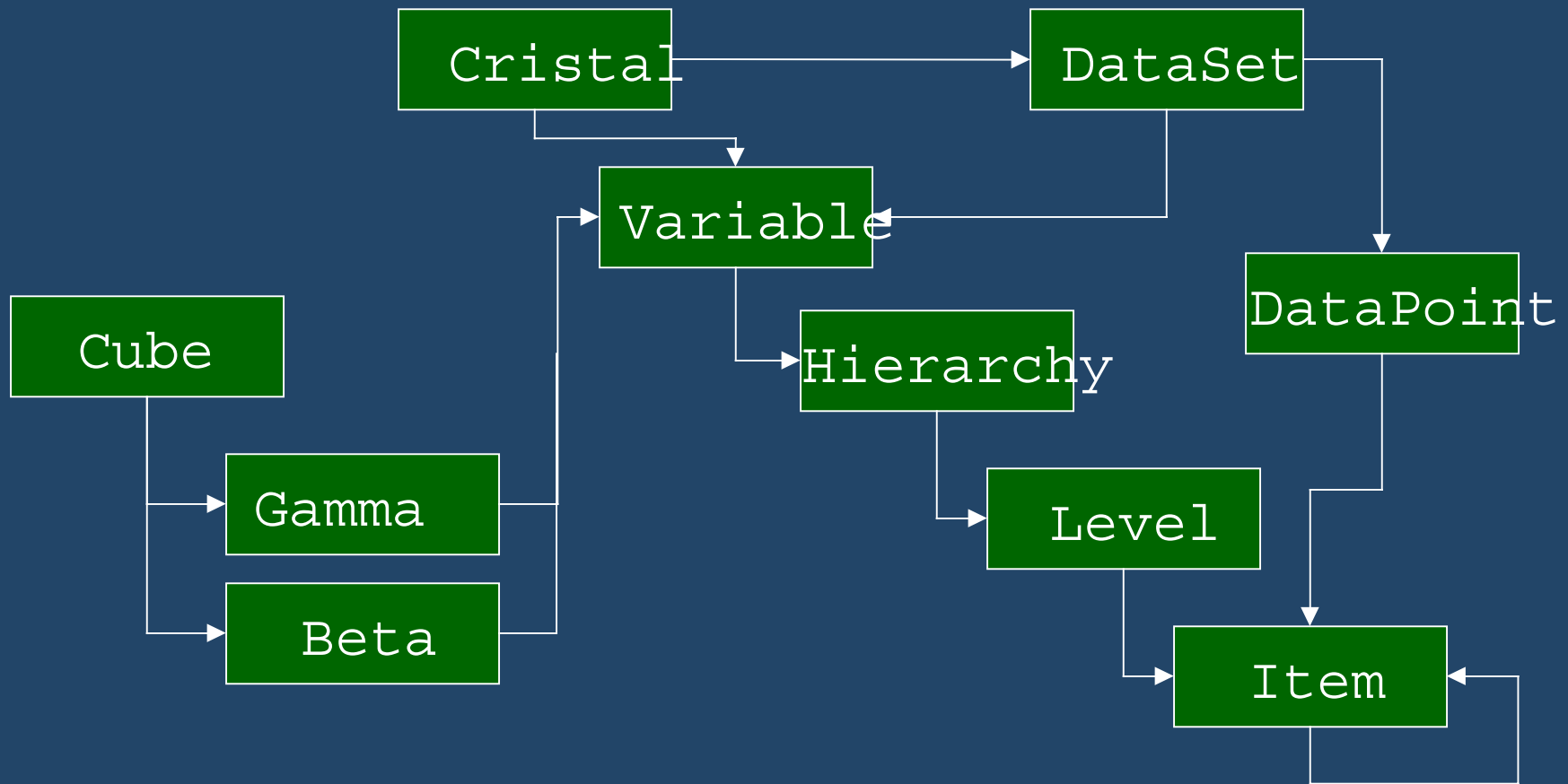
- Follow up of NESSTAR, uses DDI 1
- Extra:
  - Tabular data
  - Statistical Disclosure Control
  - Access Control Component
  - Better Metadata Object Model
    - Object Oriented
    - Suitable for Micro and Tabular data

# CRISTAL 1.2 Process

- National Statistical Institutes
- Standard for (multidimensional) statistical data
- Started as extension to Comeln
- Now driven and developed by Statistics Netherlands and Nordic NSI s
- Rich Machine Understandable information
- Resulted in COM-component



# CRISTAL 1.2 Model



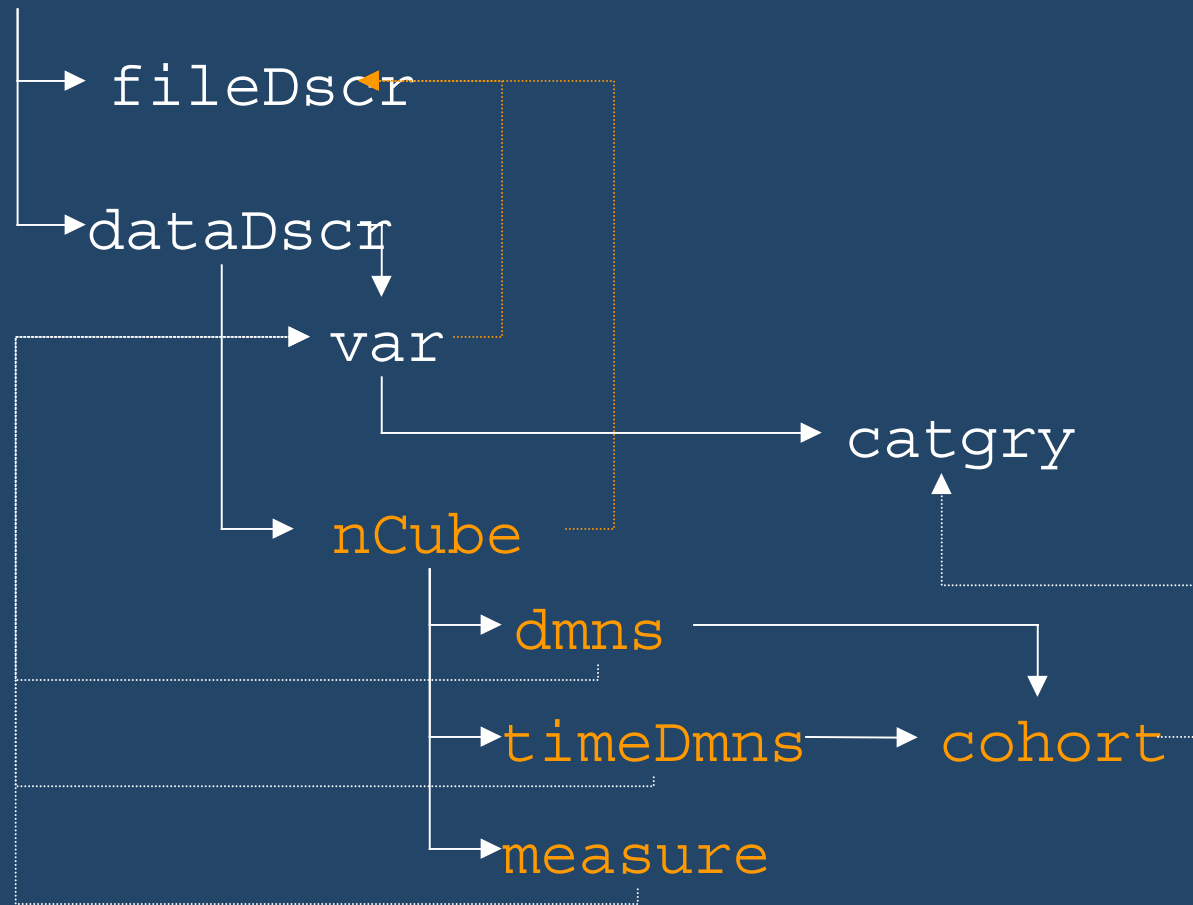
# Faster Cubes

- Addition to DDI 1.0 to support Cubes
- Use all appropriate tags from DDI
- Add only tags for unsupported concepts
  - Cubes are just a representation of data
  - Different roles for variables
- Use developments in Cristal
- Now coincides with DDI Cubes Proposal



# DDI Cubes Proposal

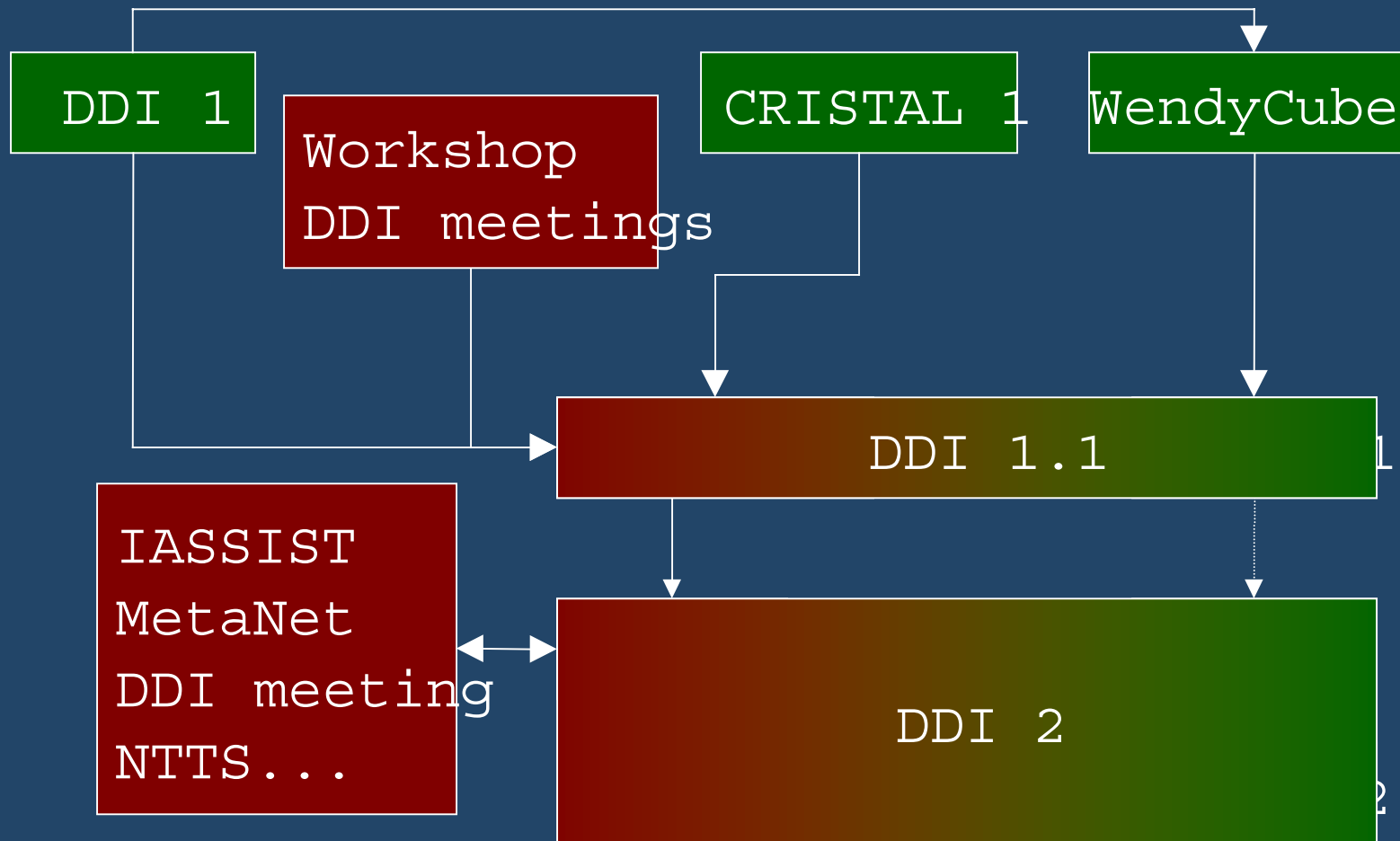
codeBook



# MOM

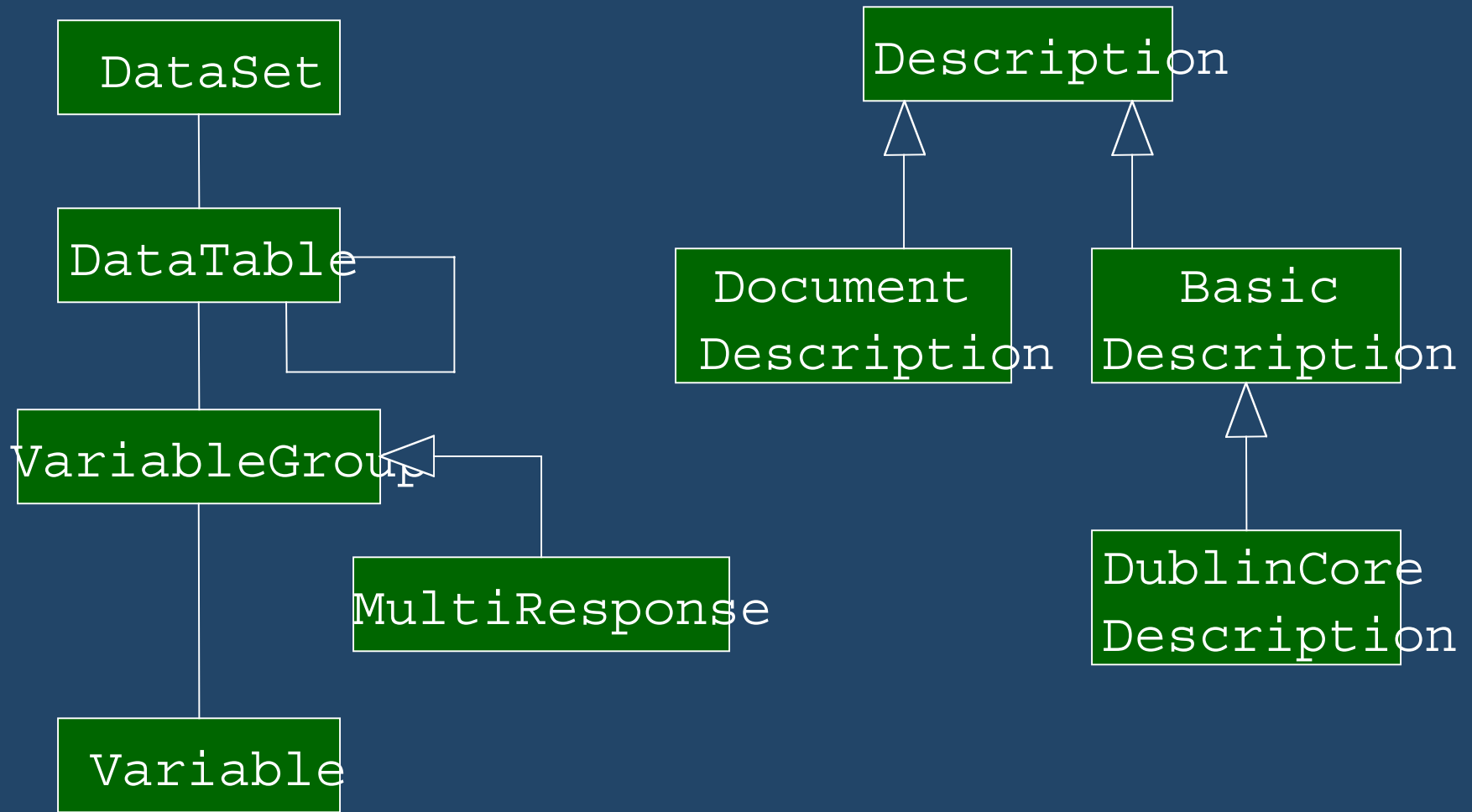
- Metadata Object Model
- Final goal for FASTER wrt Metadata
- Use within FASTER not within the lifetime of the current project
- Use input from MetaNet, DDI, FasterCubes
- Take the best from DDI, Cristal, CWM, ISO11179
- Will feed into DDI 2, Cristal 2
- Or will coincide with DDI 2, Cristal 2

# All together

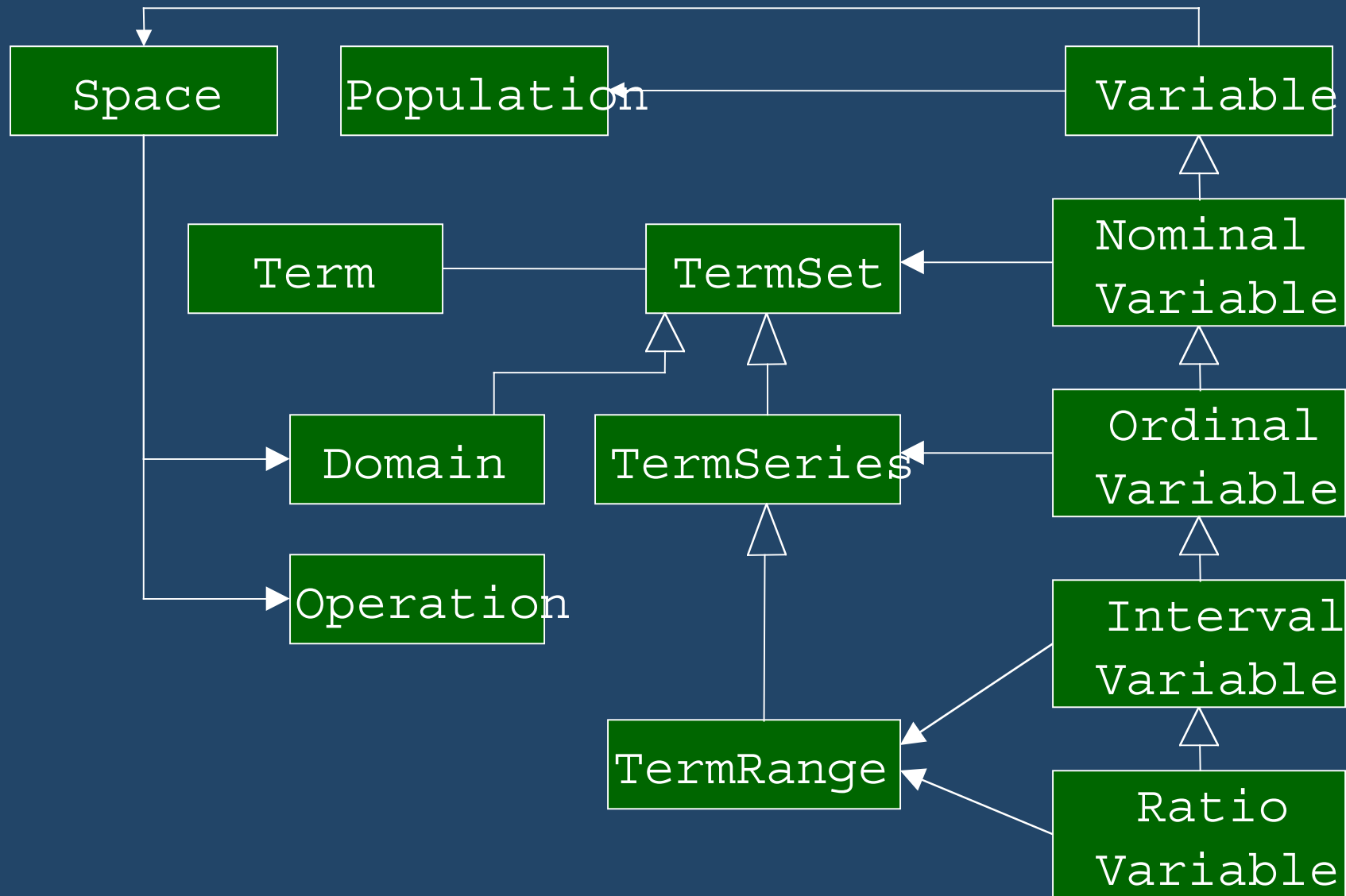




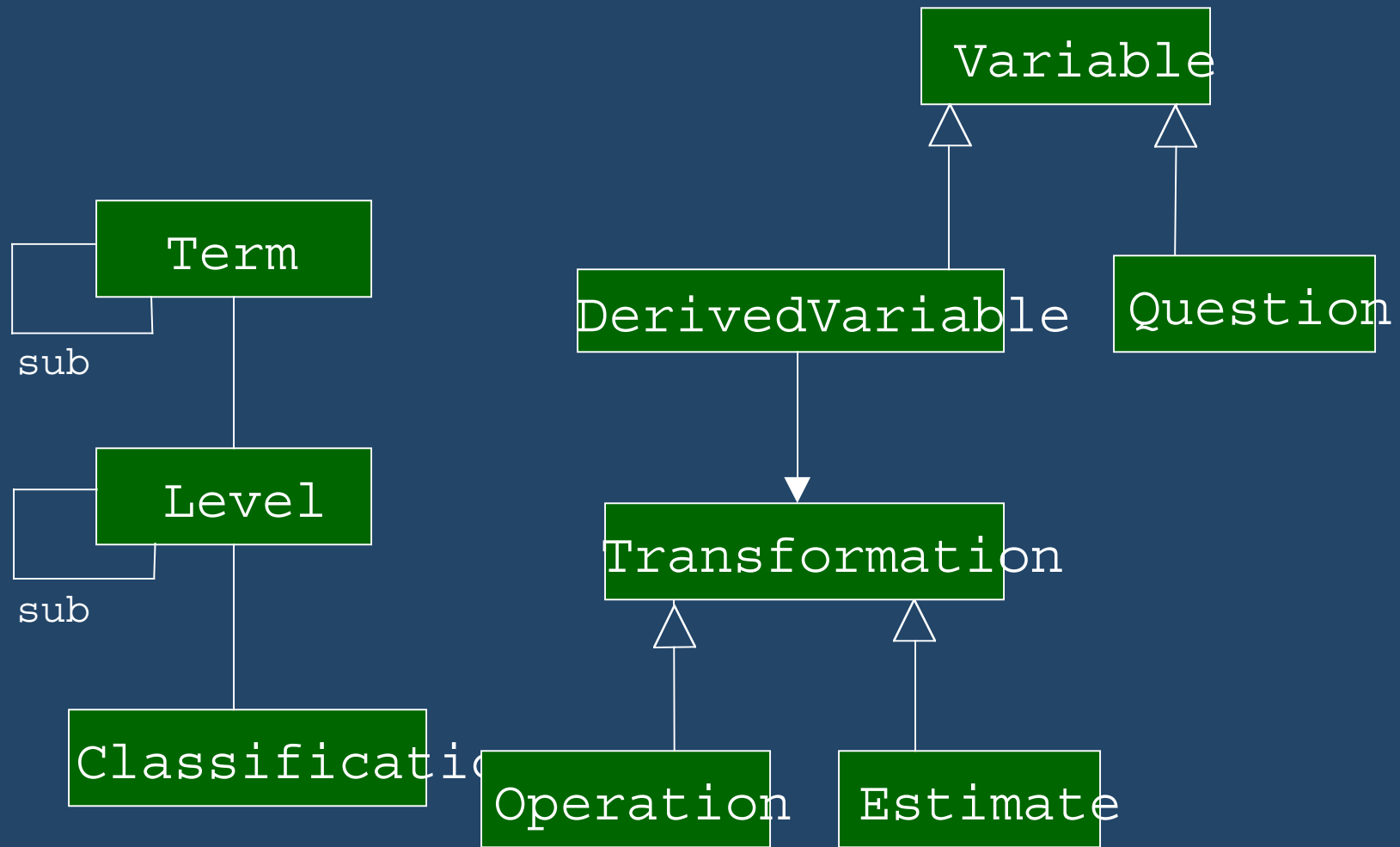
# MOM Specification (1)



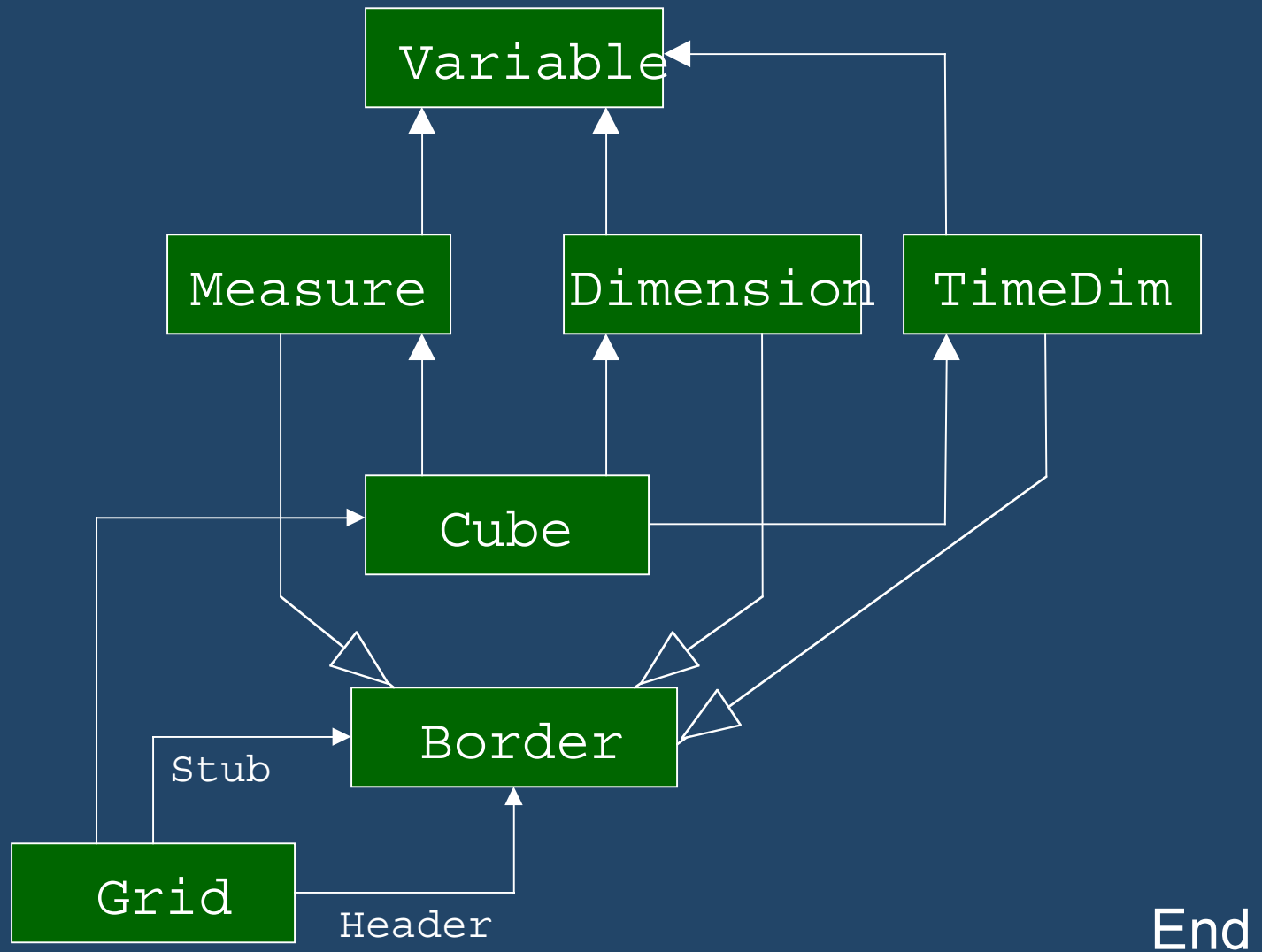
# MOM Specification (2)



# MOM Specification (3)



# MOM Specification (4)



# DDI 1.0 Process

- Initiated by ICPSR (Social Science Data Archives)
- Standard for describing/retrieval of data
- Heavily influenced by NESSTAR project
- Used as metadata model in NESSTAR
- Rich Human Readable information
- Resulted in XML-DTD
- Co-ordinated by DDI Committee

# DDI 1.0 Model

codeBook

- docDscr Description of code book itself  
author, affiliation, copyright
- stdyDscr Description of study resulting the  
data: survey, author, institute etc.
- fileDscr Description of physical file  
format, file location etc.
- dataDscr Description of data variables,  
categories, labels, etc.
- otherMat All the rest

# DDI 1.1

- Addition to DDI 1.0 to support Cubes
- Clean up
- Link to Limber
- Input from:
  - Limber
  - Faster (Faster Cubes)
  - Univ of Minnesota (Wendy Cubes)

## DDI 2

- Object Oriented DDI
- Includes Hierarchical data, Cubes

## Cristal 2

- Revision of Cristal 1
- More attention to micro/survey data