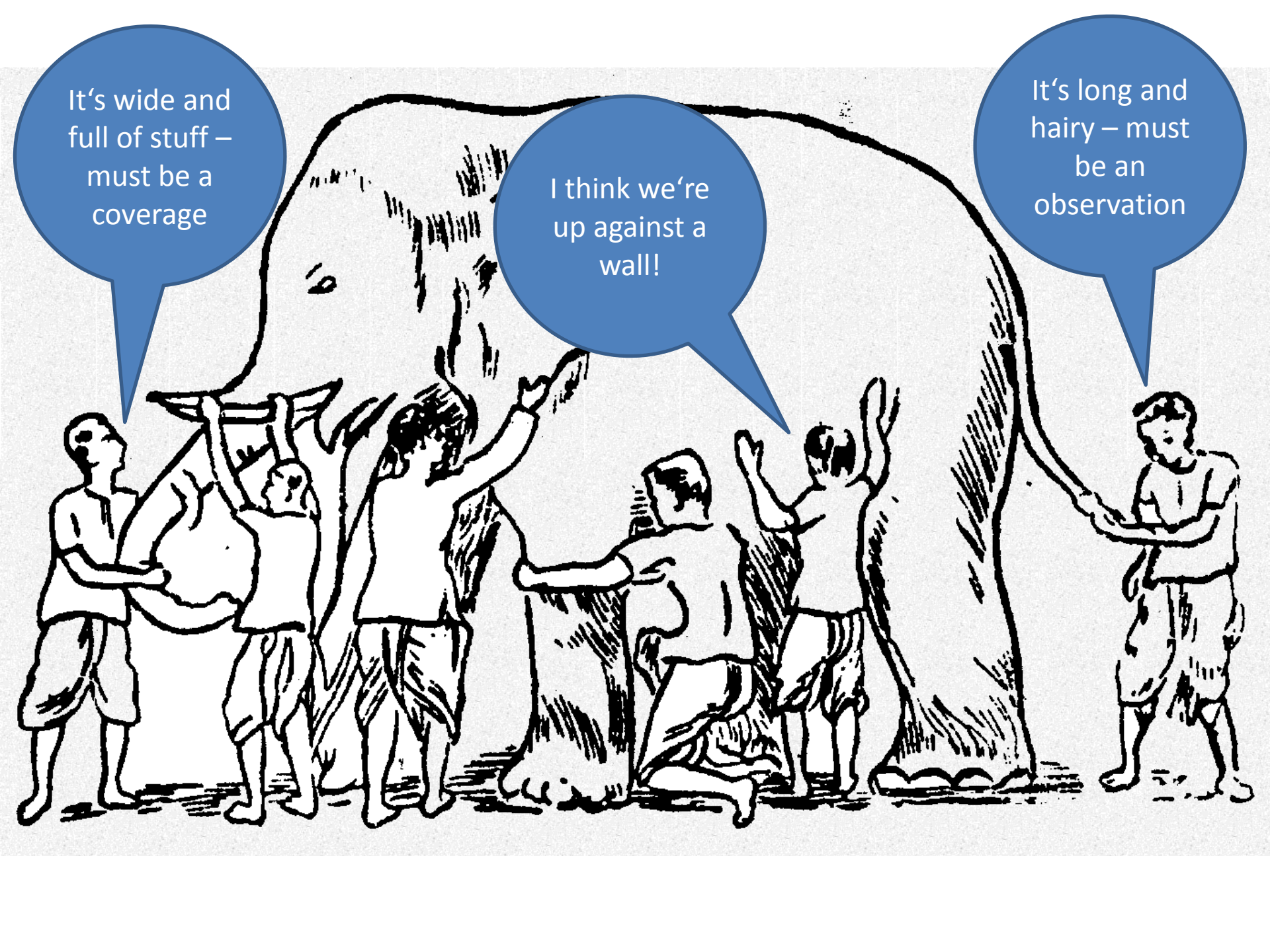


Coverage vs. Observations

A Question of Perspective



It's wide and full of stuff – must be a coverage

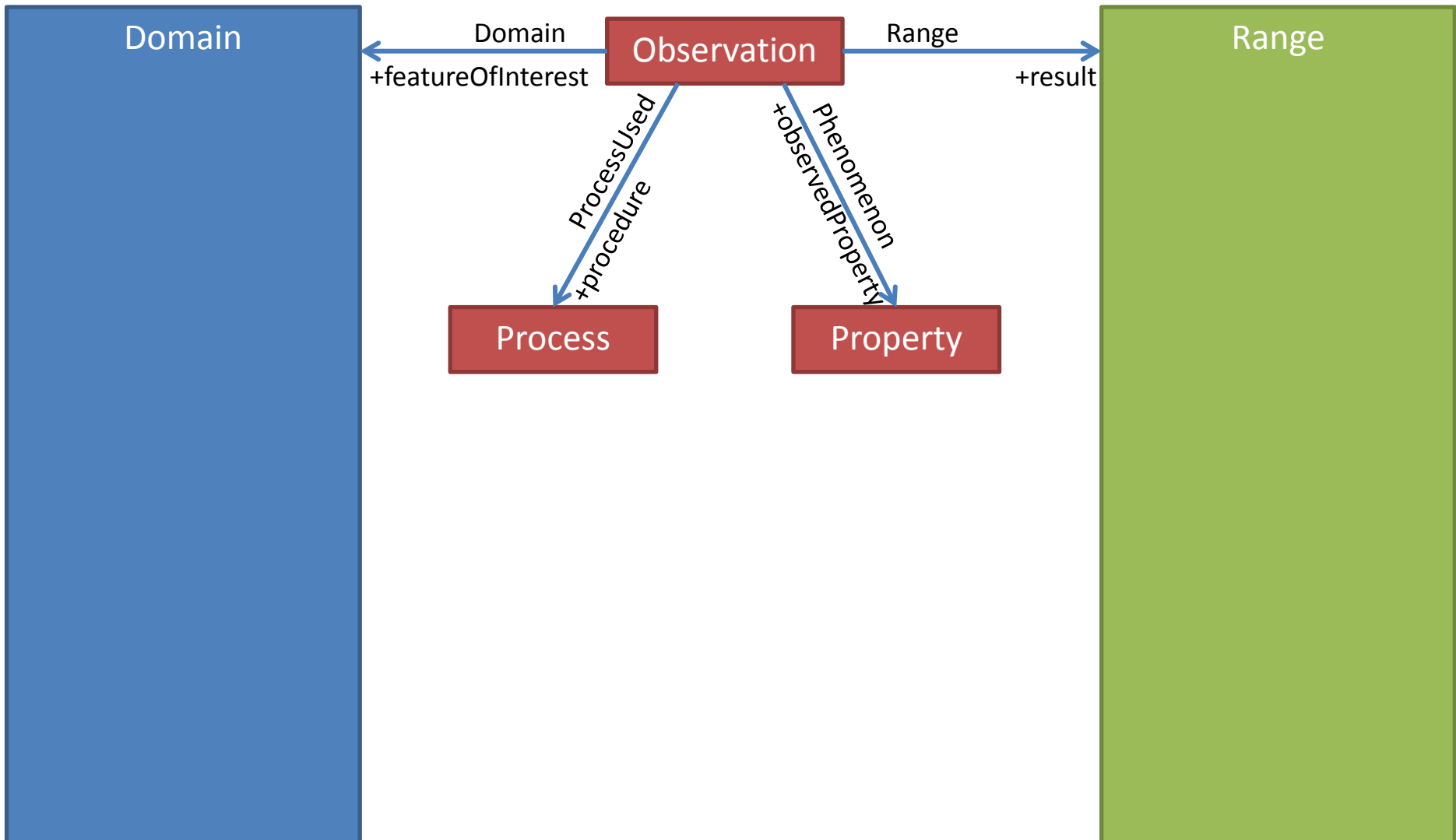
I think we're up against a wall!

It's long and hairy – must be an observation

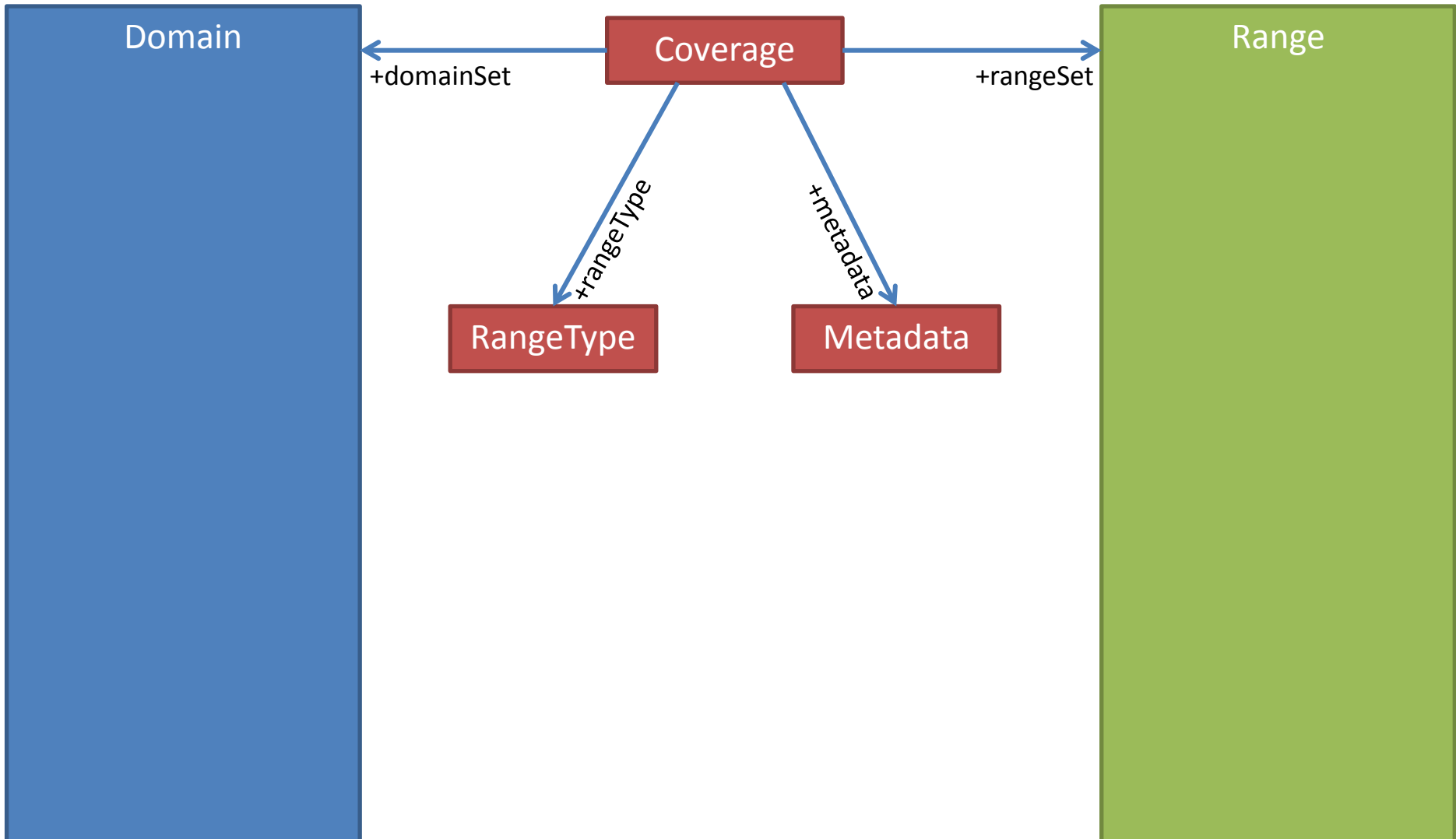
Coverage vs Observations

- Each model is consistent on its own. When they are linked, redundancies pertaining to domain and range occur
- Each model has deficits:
 - O&M: Non-hierarchical sampling strategies as required for classification or other gridding of the domain
 - Coverage Model: Procedural information, sensor information, the HOW

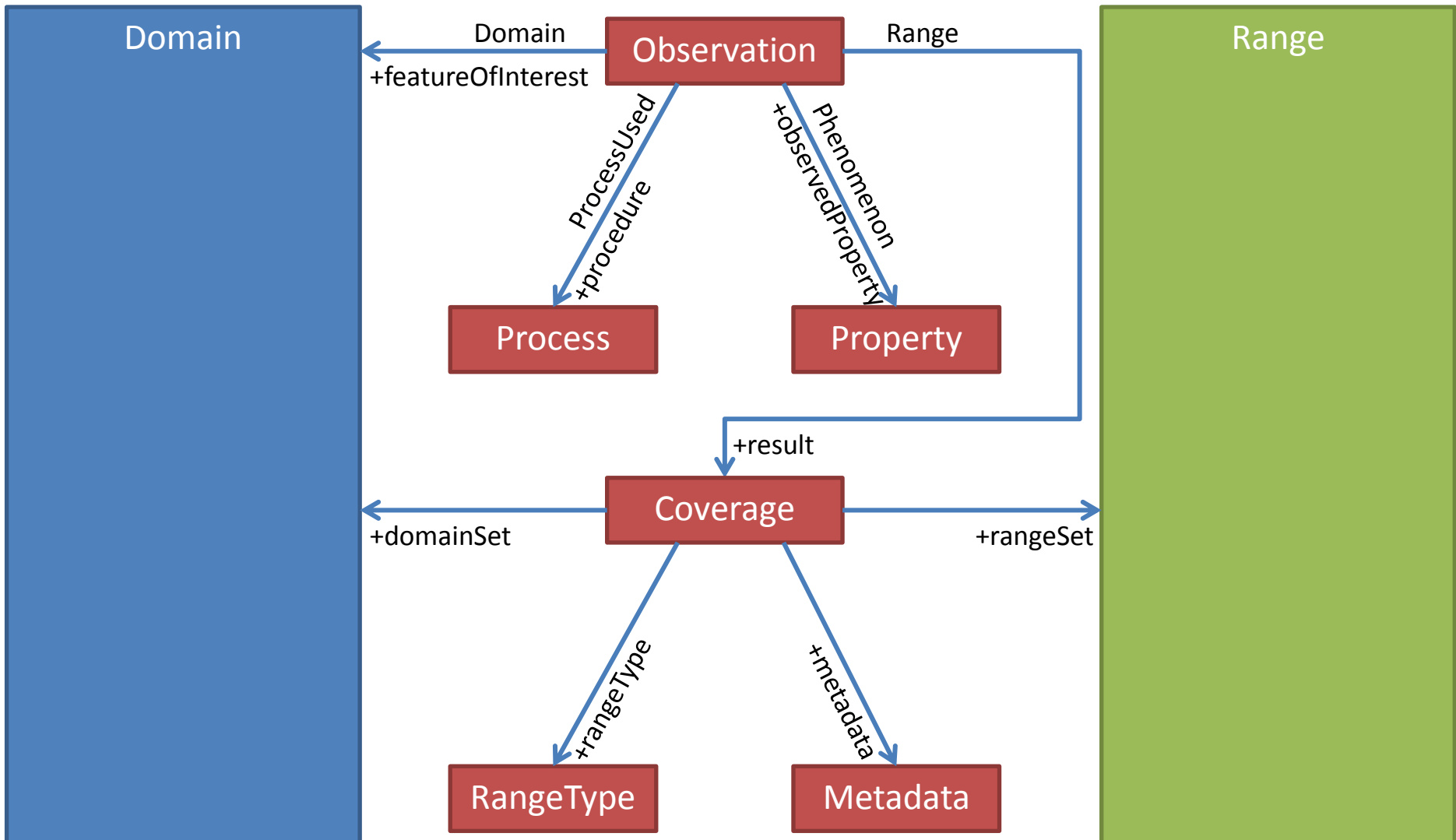
Basic O&M Observation



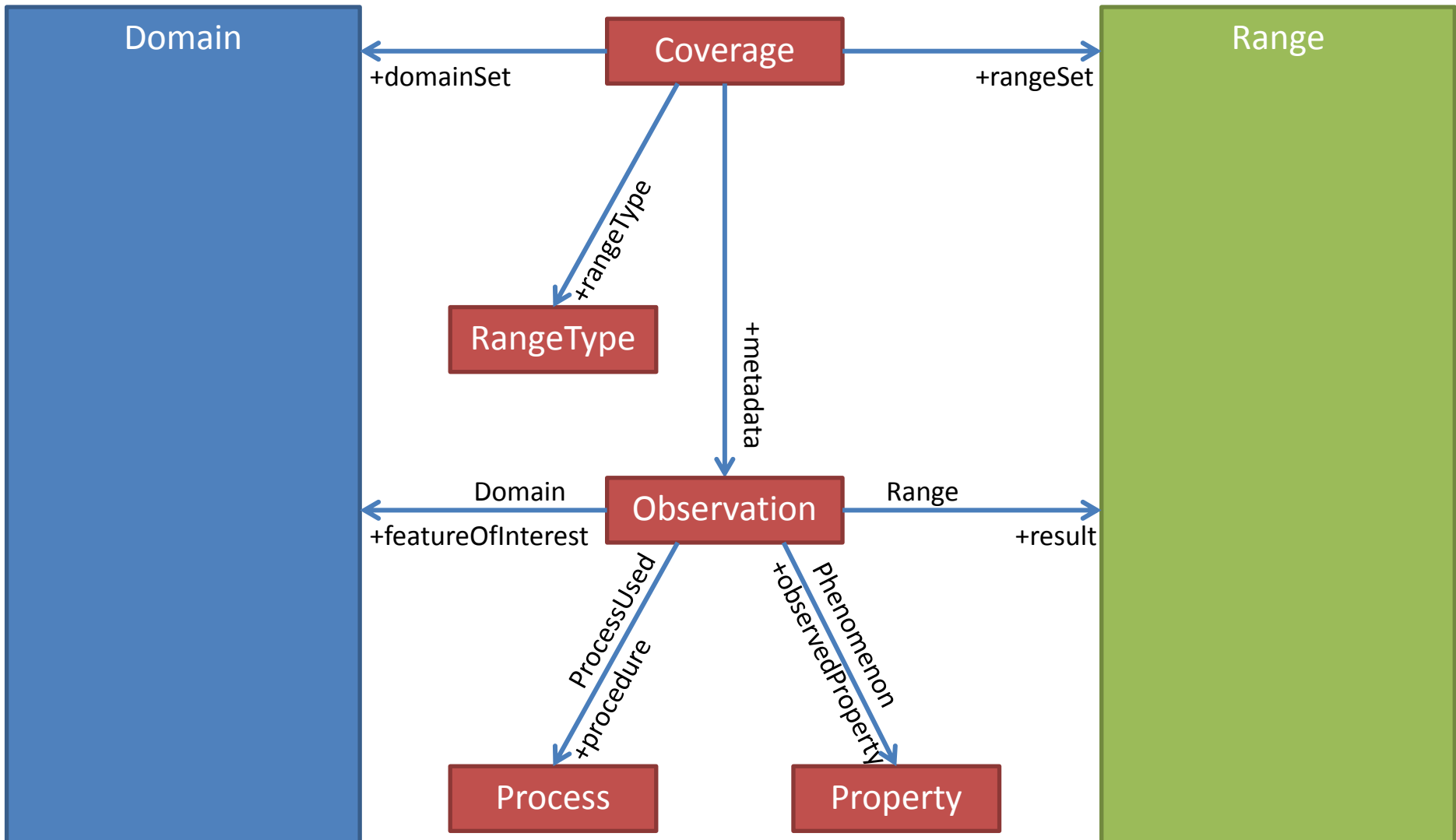
Basic Coverage



Observation w/ Coverage



Coverage w/ Observation



Bits to be Mapped Cov I

- CoverageFunction - describes the mapping function from the domain to the range of the coverage
 - *Is this generally provided, or devolved to the default axis order and logical sequence within axes?*
 - Missing in O&M
- Envelope
 - Correspondence sampledFeature?

Bits to be Mapped Cov II

RangeType

- dataRecord
 - Data Type SWE Common :: DataRecord
 - provided within result in observation
- interpolationRestriction
 - can't currently find in obs

Bits to be Mapped Cov III

- Metadata – Coverage sometimes utilizes O&M Observation

Bits to be Mapped Obs

- Observed Property
- Procedure

What to do?

Kathi Schleidt
Kathi@DataCove.eu
DataCove e.U.
Robert Hamerling Gasse 1/14
1150 Vienna, Austria

