

# Provenance vocabularies

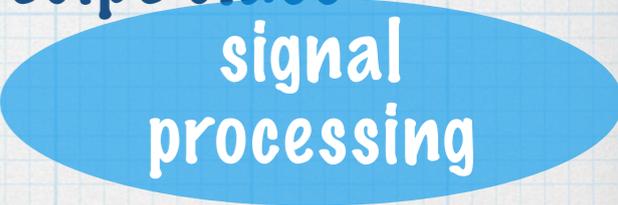
Interop Meeting Groningen, Oct 2019

Mireille Louys & Provenance WG in Dm WG

# Provenance case

- ProvDM Specification document uploaded in volute
- currently terms as enumeration of terms in the spec
- to become vocabulary , I need to sort-out:
- **what is general?**
  - provenance as a whole prov-0 is a possible ontology for this
- **what is specific?**
  - the definition of terms in an astronomy centric
  - needs to track some context

# vocabulary scope

- heterogeneous scopes found today in IVOA vocabularies repo
- `VOResource` ← DublinCore 
- `prov:activity.type` ← workflows terms (abstract) 
  - data selection, data publishing, validation
- `prov:activity.type` ← gamma-ray recipe class, eso recipe class 
  - observation, calibration, cosmic reduction
- `simdal:Protocol` ← SimDM skos concepts 
- domain vocabularies?

# vocabulary usage

- Can I understand some external vocabulary and reuse these terms in another context?
- Does it break my current usage of the vocabulary? repetitions, ambiguities
- If new users also re-use these terms, with a semantic slip, does it change my regular usage?



Thank you

HERACLIDES PROM.

MARE IMBRIUM

MARE SERENITATIS

PALUS PUTREDINIS

MARE VAPORUM

SINUS AESTUUM

SINUS MEDII

MARE TRANQUILLITATIS  
+ Apollo 11

COPERNICUS

ERATOSTHENES

PALLAS

TRIESNECKER

GODIN

POSIDONIUS

PLINIUS

HAEMUS

HYGINUS

IULIUS CAESAR

ARISTILLUS

AUTOLYCUS

TIMOCHARIS

PLATON

LACUS SOMNIFORUM

MOUNTES CARPATI

REINHOLD

MARE TRANQUILLITATIS