

How to use Data Models to Enhance **Interoperability** in the VO

Workshop After-sales

Why Using Models in the VO

What could I do with the models that I can't do now?

- Get a clean representation of the coordinate systems
- Get a clean representation of the errors
- Support cross-columns parameters
 - Columns grouping
 - Complex errors (pos + pm + parallax)
- Gather data from multi-table VOTable (sources + detection)
- Exchange model instances with SAMP

We need models and tools to convince people to go into that way

Chicken-Egg DM Deadlock

Let's consider we have working proposals for both models and annotation

Client developer

I'll support model mapping
when **data providers** will
annotate their data

Data provider

I'll annotate my data when
client developers will be able
to process annotated data

Final users won't break the loop

I can live without annotated data

A DM Workshop to break the loop

Working group committed by the TCG to run a workshop to build a consensus that can get the modeling activities back on the road

FEBRUARY 2021: use case workbench setup

- Use-case: raw data
- Proposal: Annotated VOTable + documentation
- Issues + Wiki

MARCH-APRIL 2021: open contributions

- Exercice
- Comment
- Proposals

MAY 2021: Report at Interop

July 2021: Mapping syntax finalized

Workshop Key Facts

Models

- Meas Coord
 - New Lon/Lat point class
 - Complete the RFC
- Cube
 - Start the PR process
- Mango
 - Implementation of the the modification suggested while the workshop
 - Start the PR process

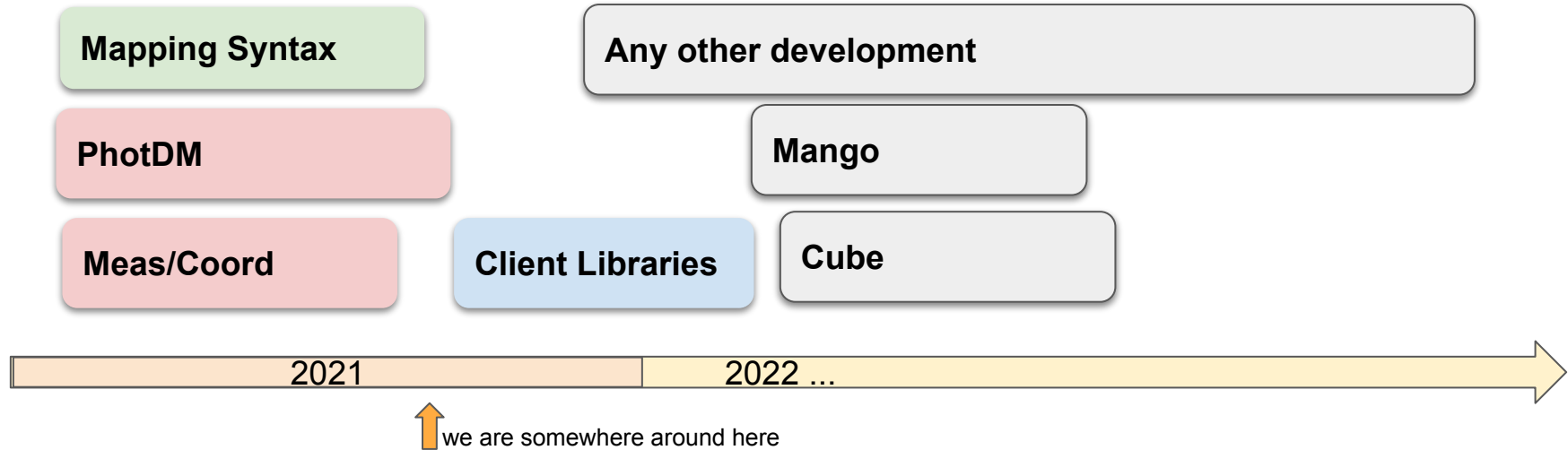
Mapping syntax

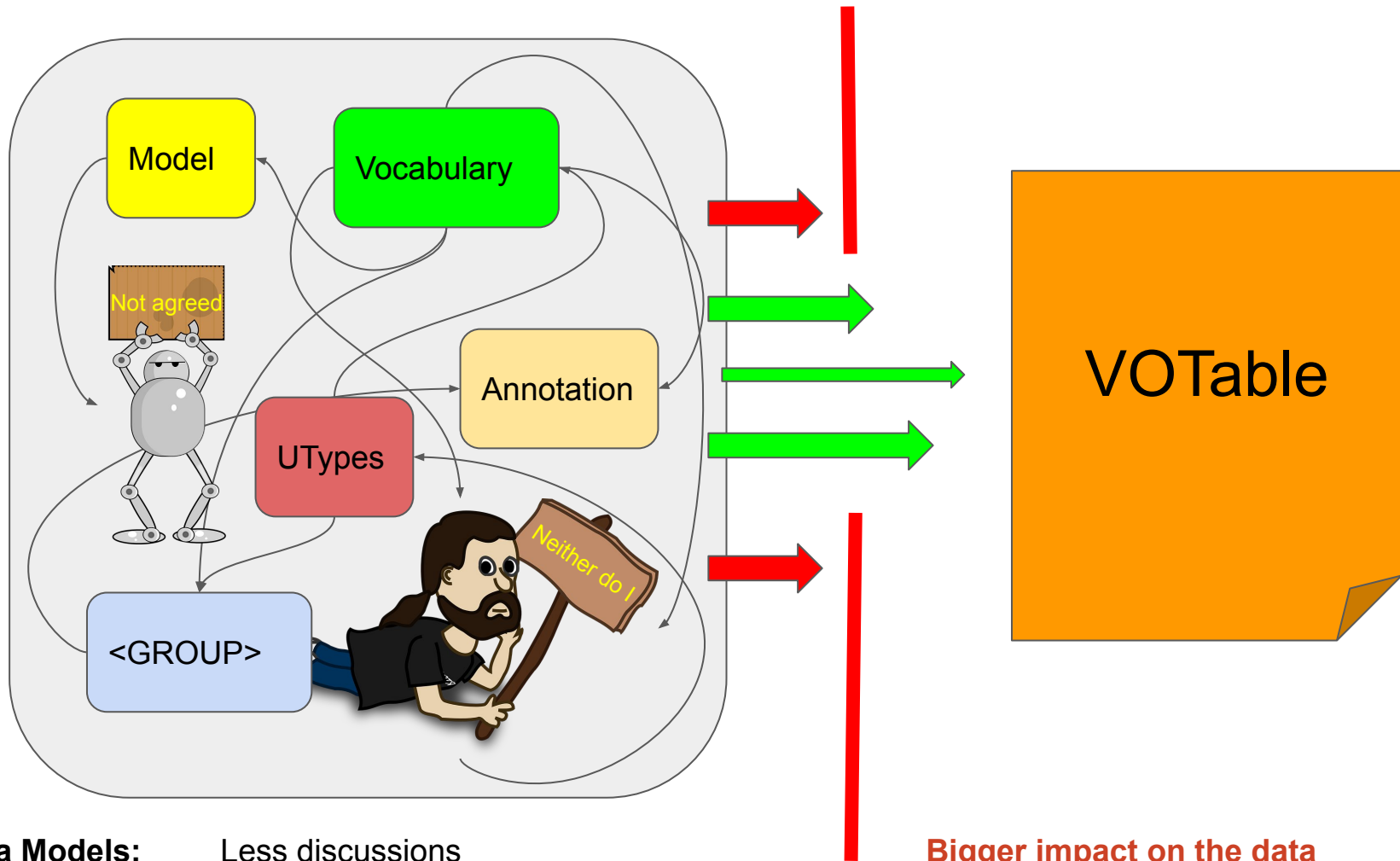
- Write the specification
- Provide validators and parsers
- Start the PR process

After Workshop Roadmap

Top Priority: allowing third persons to exercise the mapping framework

- Providing the mapping syntax with some tooling
- Finalizing component models





Data Models: Less discussions

Bigger impact on the data