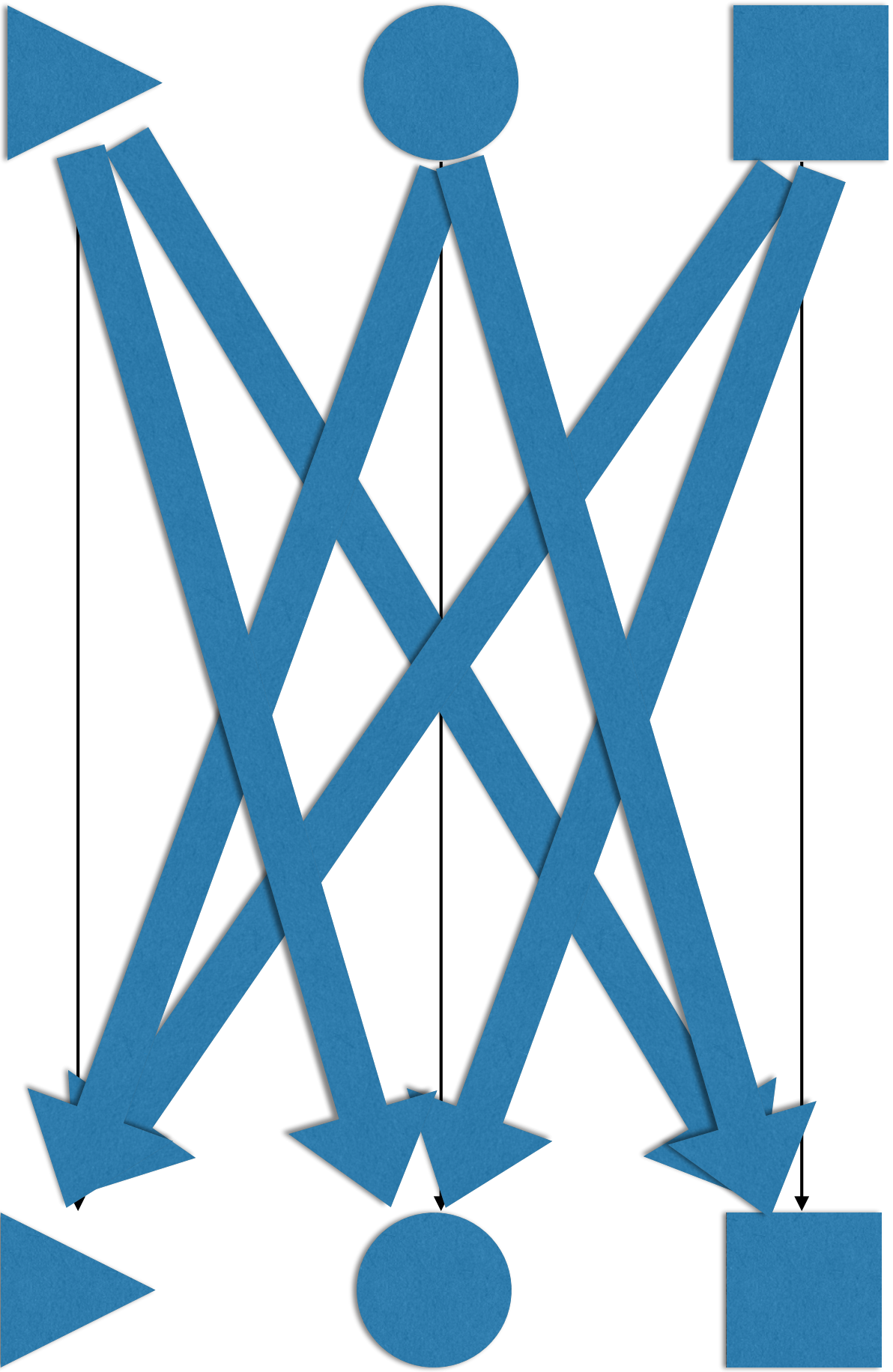
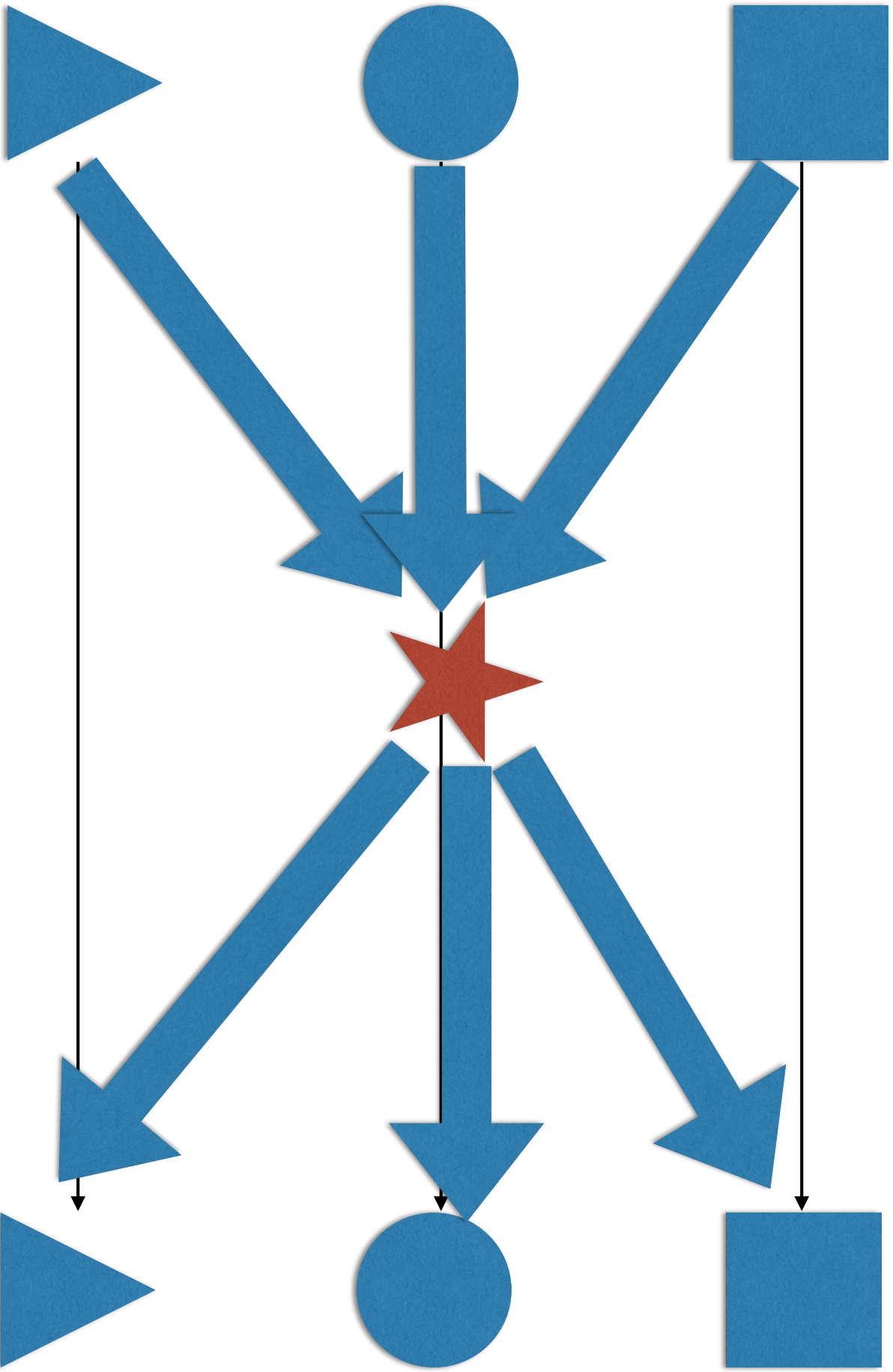


# Mapping Data/ Information Models

IOTSI Workshop, 2016-03-17



$$n^2 - n$$



2n

①

2n



What is that hub?

Data loss?

2

Translating **data**  
between data models  
vs.  
Translating data  
**models**

3

Data/Information Models

vs.

**Interaction Models**

4



# Information Model

Semantic Level

Vocabulary

Taxonomy

Meaning

Ontology

# Data Model

Abstract Syntax

# Serialization

Concrete Syntax

Encoding

Message Transport

Format

Marshaling Scheme

5

How far can we get?

Limits to translation  
(e.g., security?)