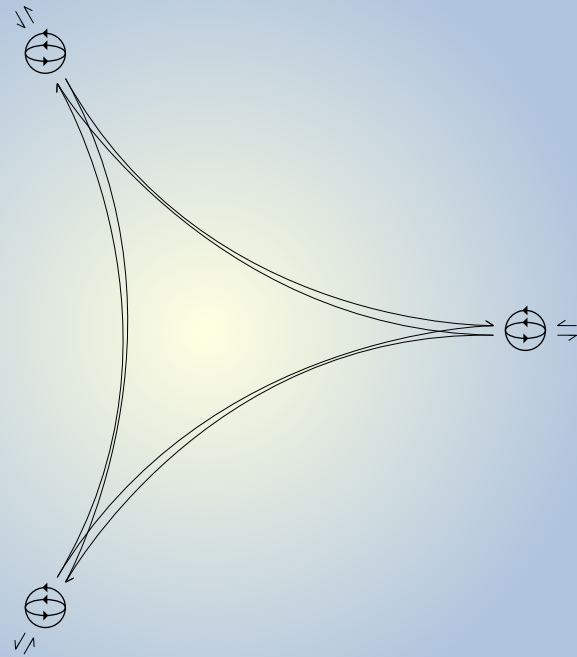




Interoperability in Ten Minutes

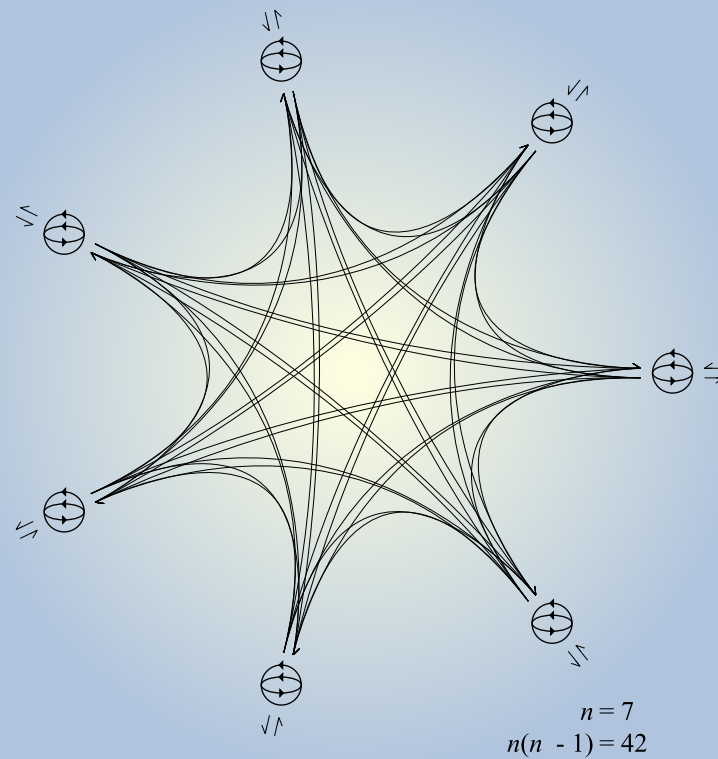
What is interoperability?
How do we achieve interoperability
How can TEI support interoperability?
Wendell Piez
Interedition Think Tank
Würzburg, Lower Franconia
October 12, 2011

Costs and Benefits of Network Effects



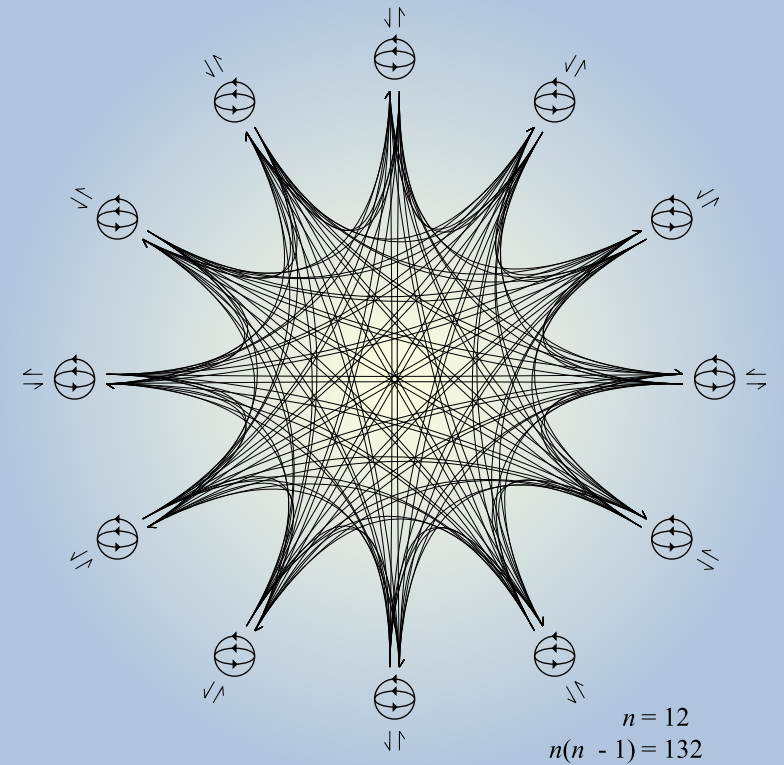
$$n = 3$$

$$n(n - 1) = 6$$



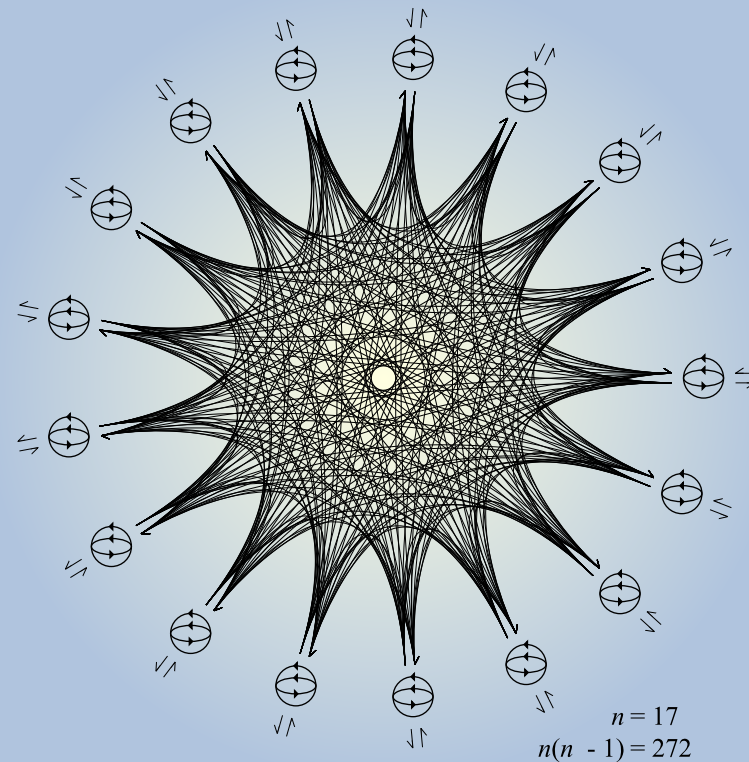
$$n = 7$$

$$n(n - 1) = 42$$



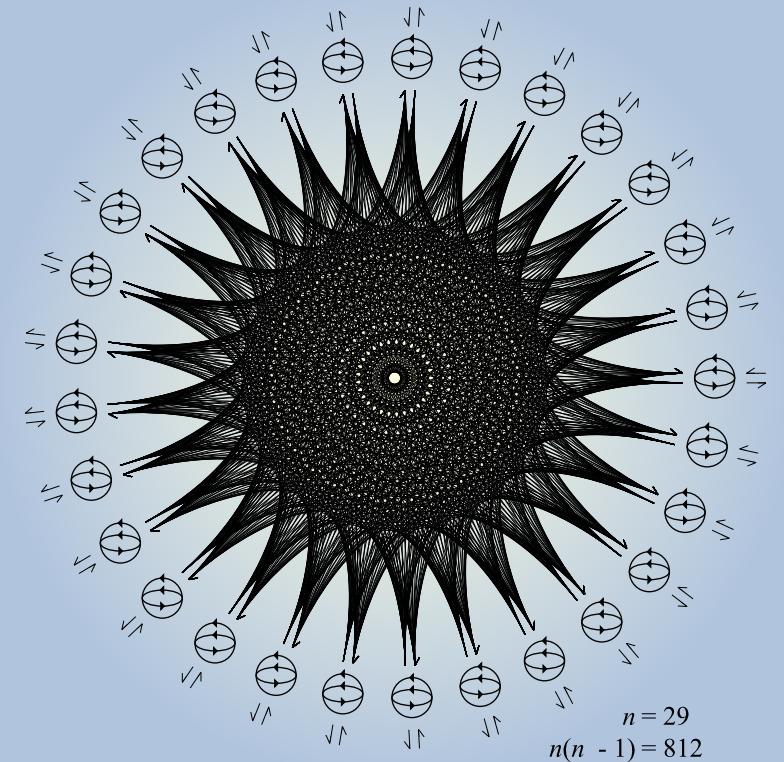
$$n = 12$$

$$n(n - 1) = 132$$



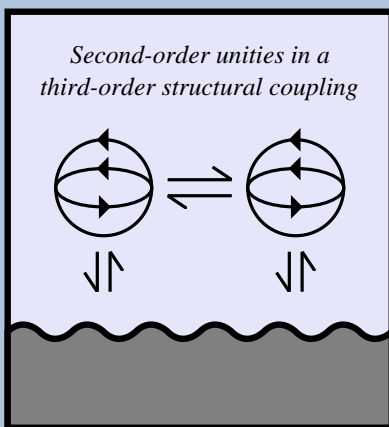
$$n = 17$$

$$n(n - 1) = 272$$



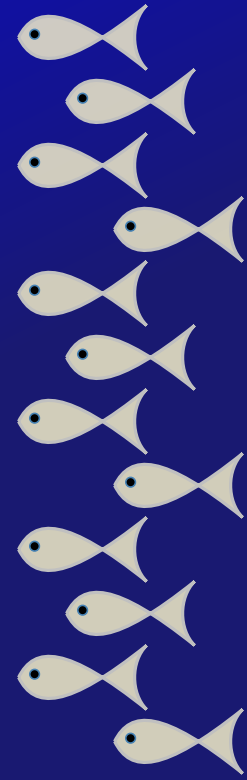
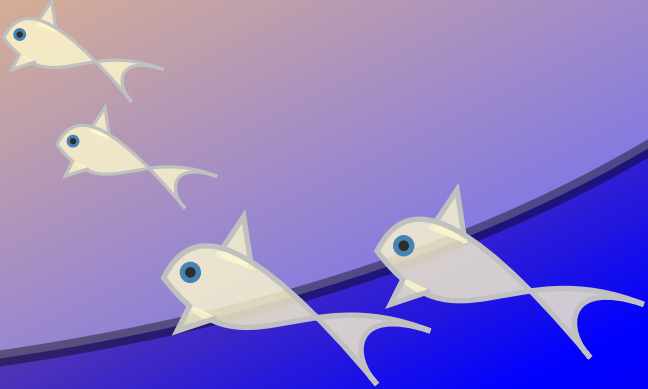
$$n = 29$$

$$n(n - 1) = 812$$



Reference:

Humberto R. Maturana and Francisco Varela.
The Tree of Knowledge: The Biological Roots of Human Understanding. 1987.
 Revised Edition. Shambhala, 1992.



Interoperability

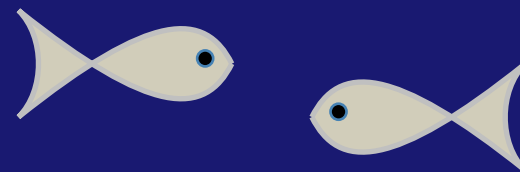
Means many different things

Some people don't need it or more of it

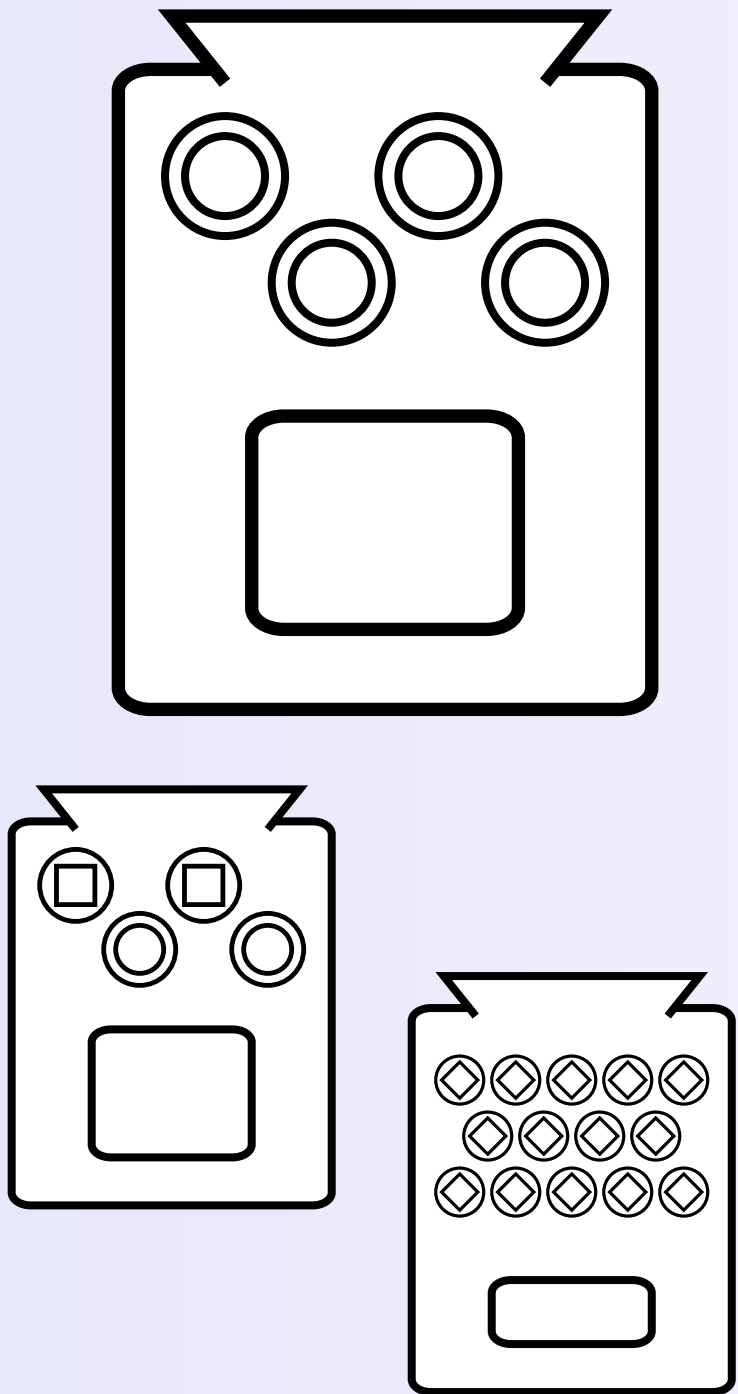
Does evolution trend towards more interoperability, or less?

Answer — both: interoperability supports diversity

“Who needs air, anyway?”

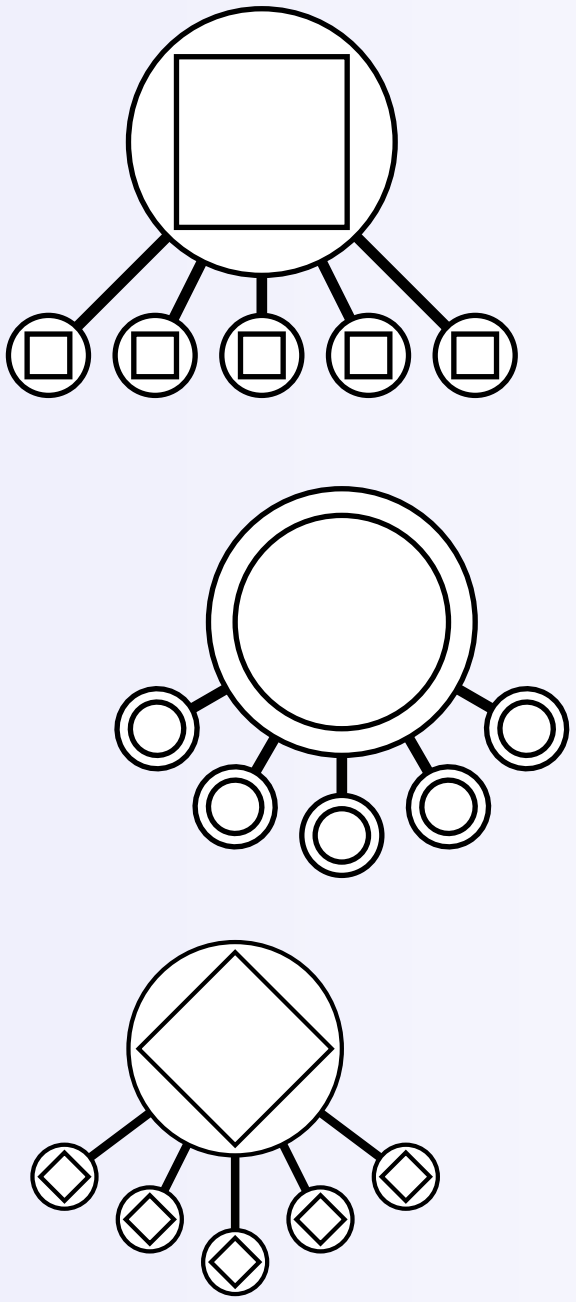


Applications



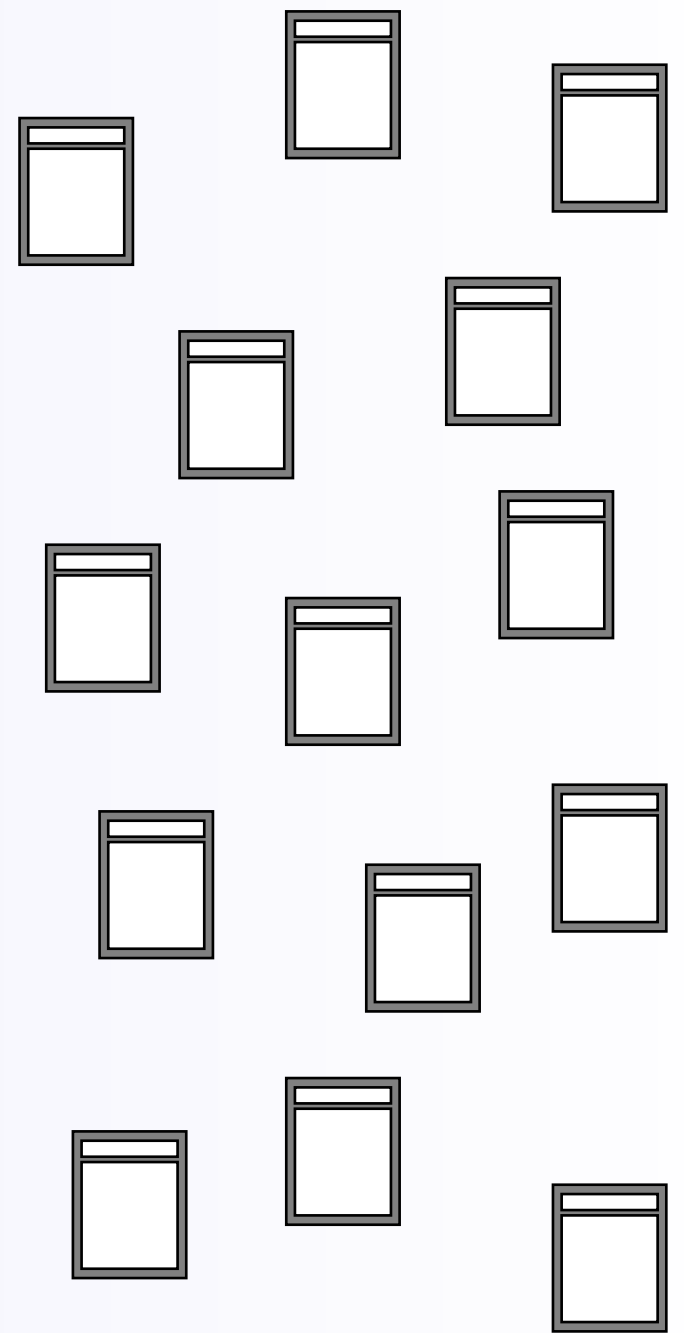
Interoperability?

Data models



Interchange?

Formats and serializations



- How to achieve interoperability
- Expose (and document) your interfaces
- Choose a niche in the ecosystem

Menu

Main

Core of TEI

In a fresh namespace

Sides

Infusion of constraints and rule sets

Fricassée of elements from

common and rare namespaces

Sauce of **class** and **type** attributes

Dessert

A selection of HTML5 microformats mapping to TEI-Core

(Validation and transformation tools

provided at diner's request)

Encoding projects, academic researchers, open-source developers

and commercial vendors are all welcome in the dining room.

We work with XDM (XSLT/XPath), HTML5, HTML DOM and others,

and are pleased to welcome guests with new data models.

Thanks to the TEI TC for providing TEI_all, ODD, and Roma.