Exceeding the standard

– or at least getting it pretty much right

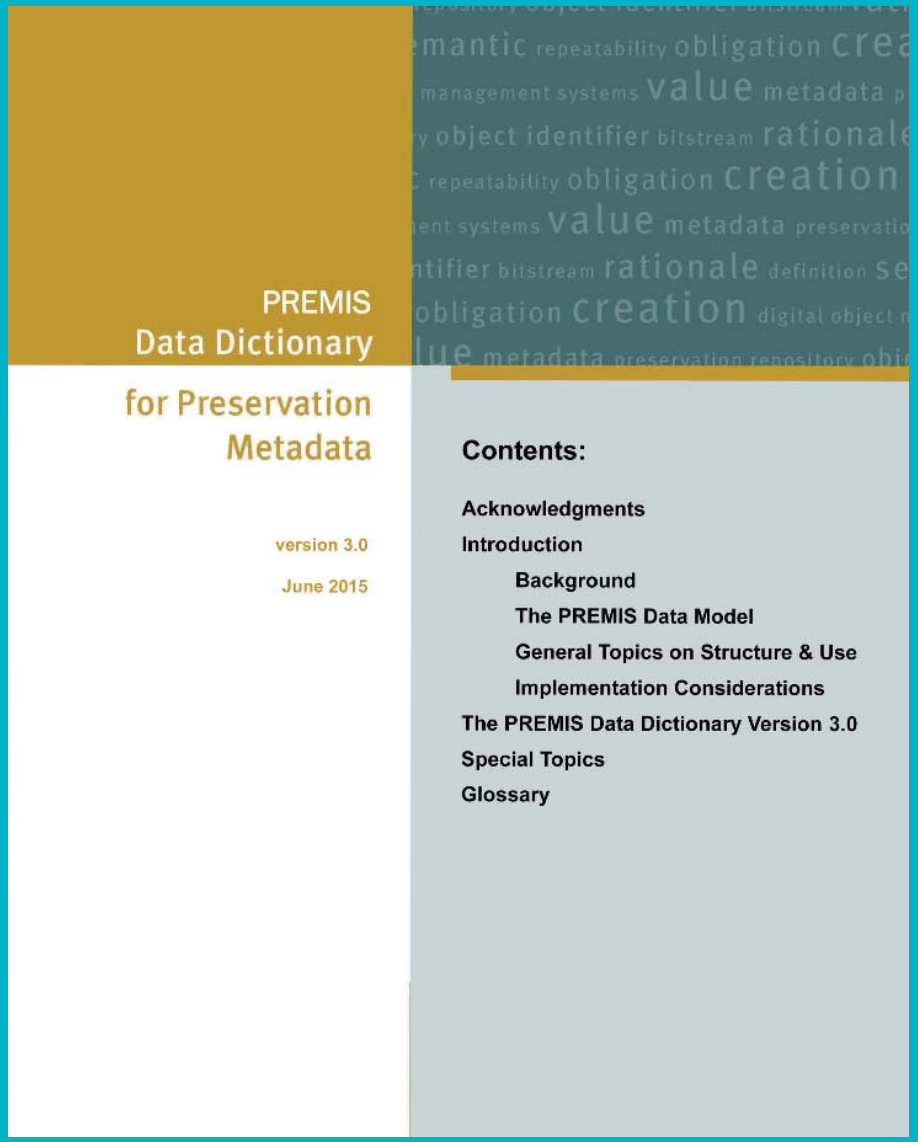
Angela Dappert,

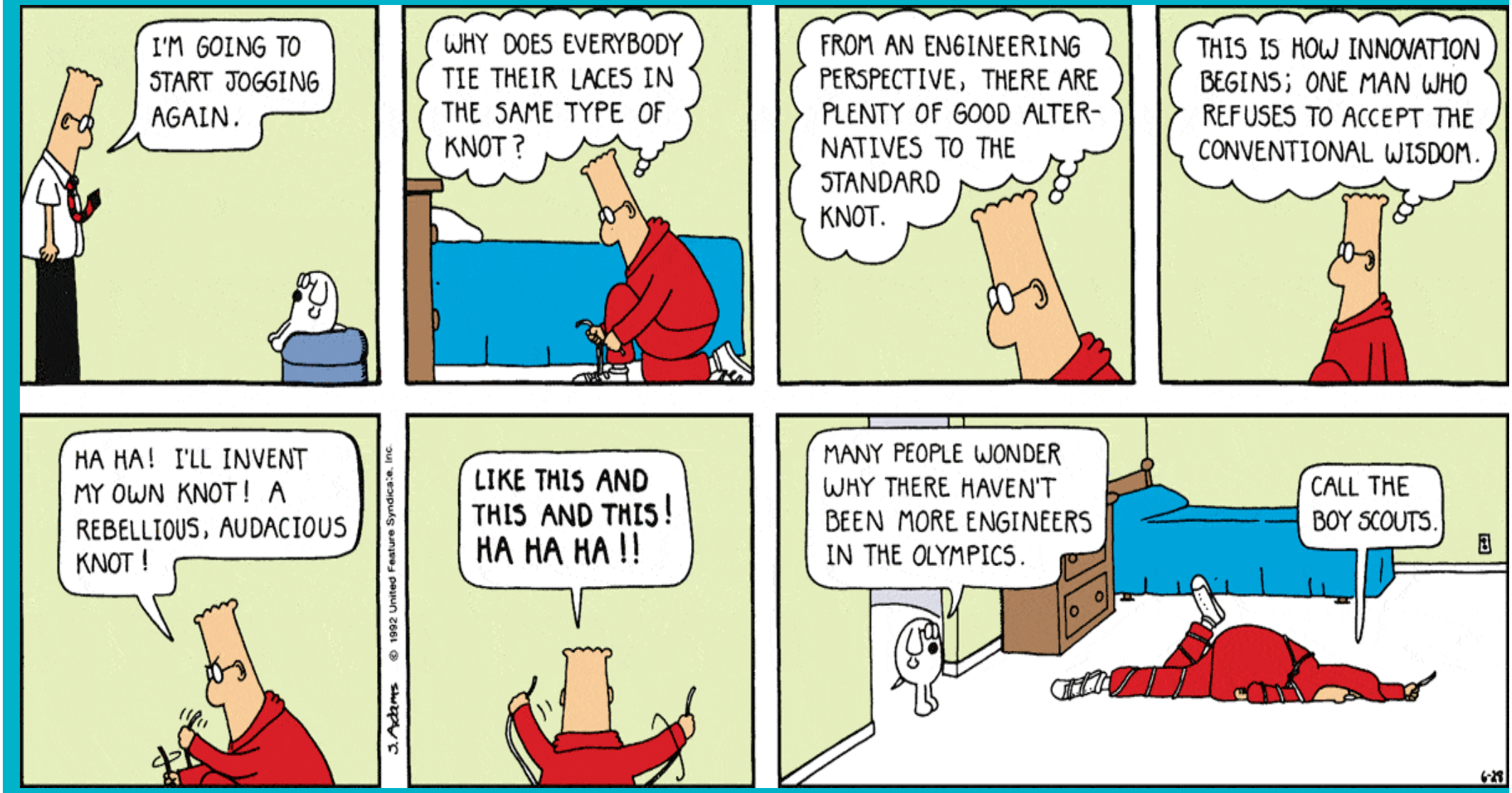
The British Library

Emerging community consensus

- Information you need to know for preserving digital objects

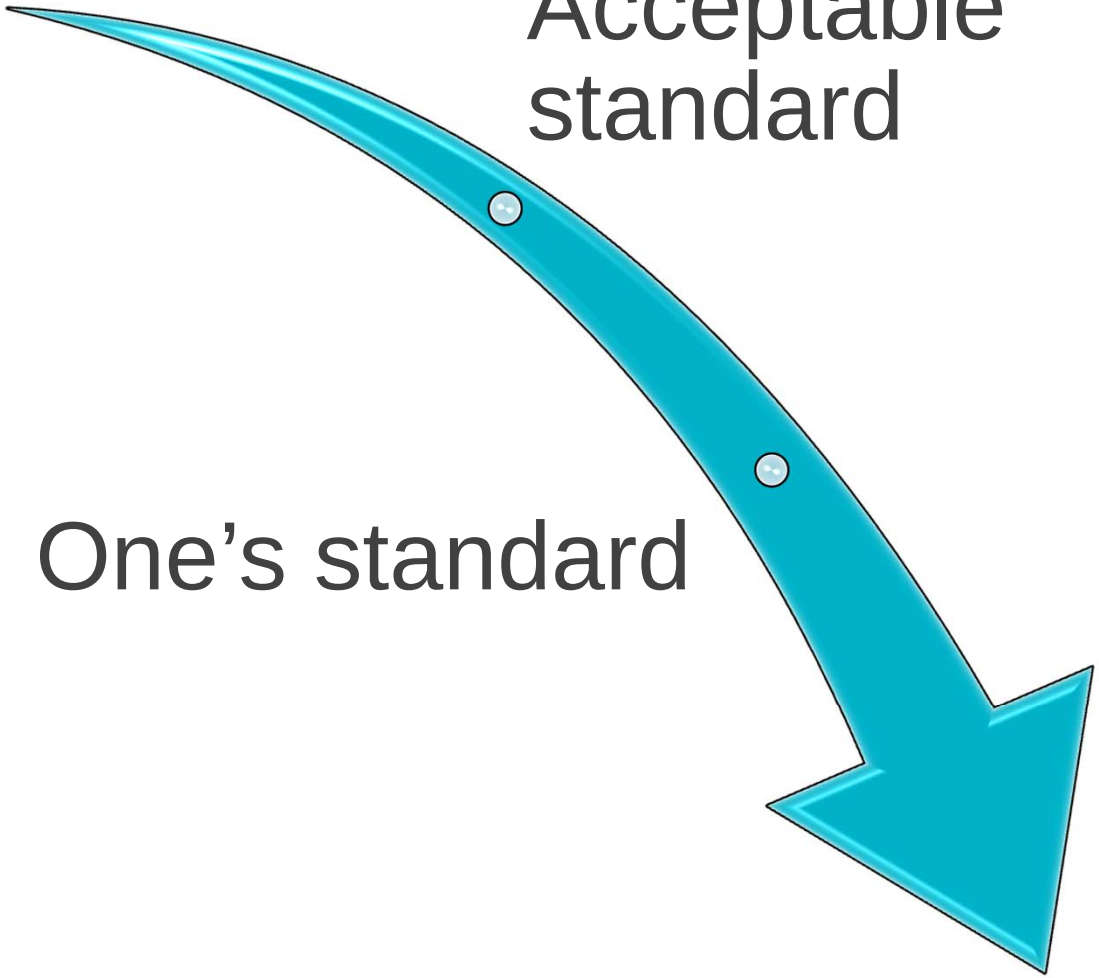
  Preservation Metadata: Implementation Strategies





Standard issue

Acceptable standard



One’s standard

Gold standard

What and why

WHAT	WHY (Direct benefits)
	Add benefit and value
Processes, workflows	Easier to manage and automate; reduce deviations; create operational efficiencies, ability to scale
Templates, forms	Uniform processing; achieve scale
Results	Quality, reliability, repeatability; enabling interoperability and exchange of results
Languages (taxonomies, vocabularies)	Model thinking, encode policy; create a community language; inform budget items and management categories

Large-scale benefits

- Security and confidence
- Domain know-how
- Brand or community definition
- Serendipity

Drivers

Confusion

Error proneness

Inefficiency

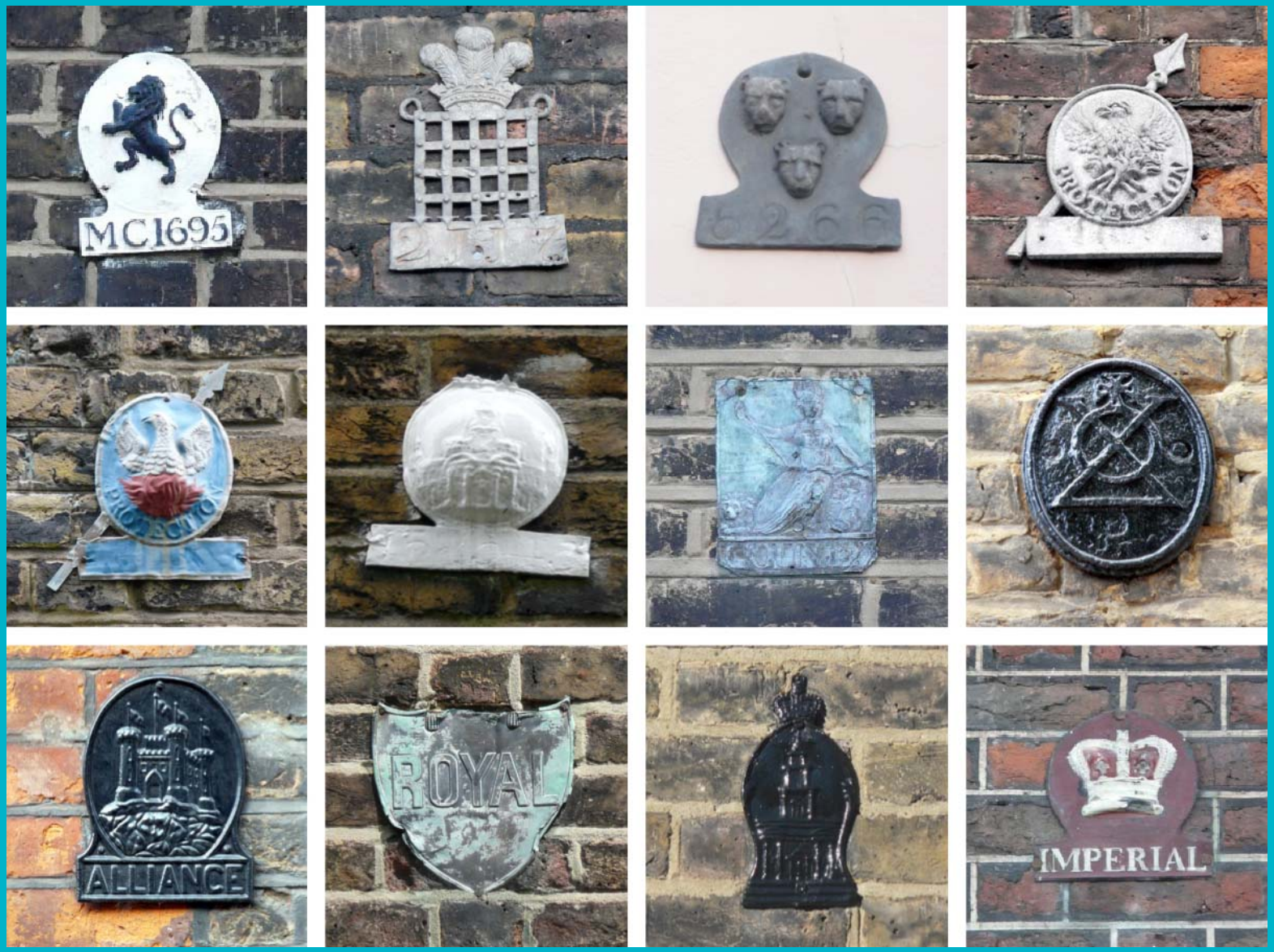
Drivers

Catastrophes

Consumer pressure

Opportunities

Catastrophes cause standards

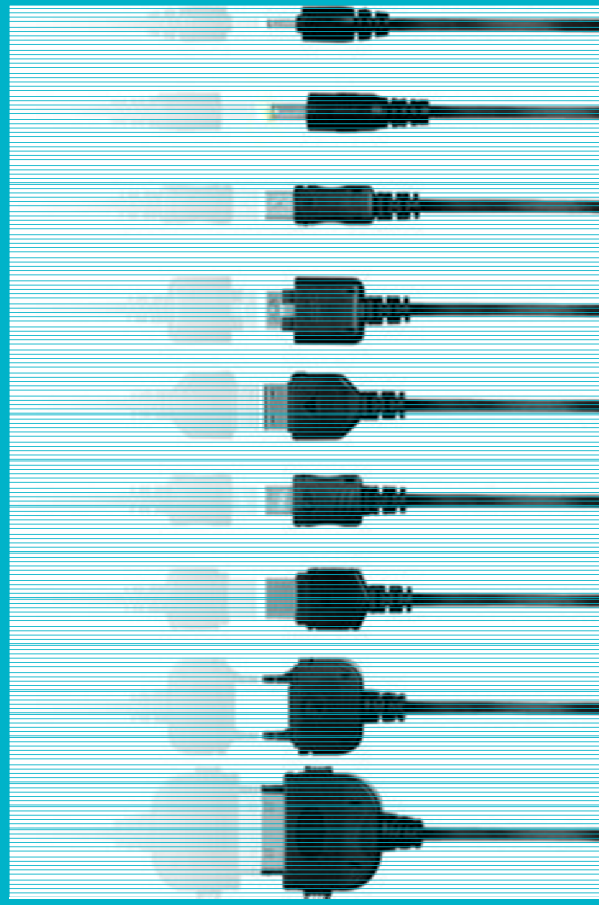


Markets / user demand create standards

EU Radio Equipment Directive, 2014

" *This serves the interests both of consumers and the environment. It will put an end to charger clutter and 51,000 tonnes of electronic waste annually*"

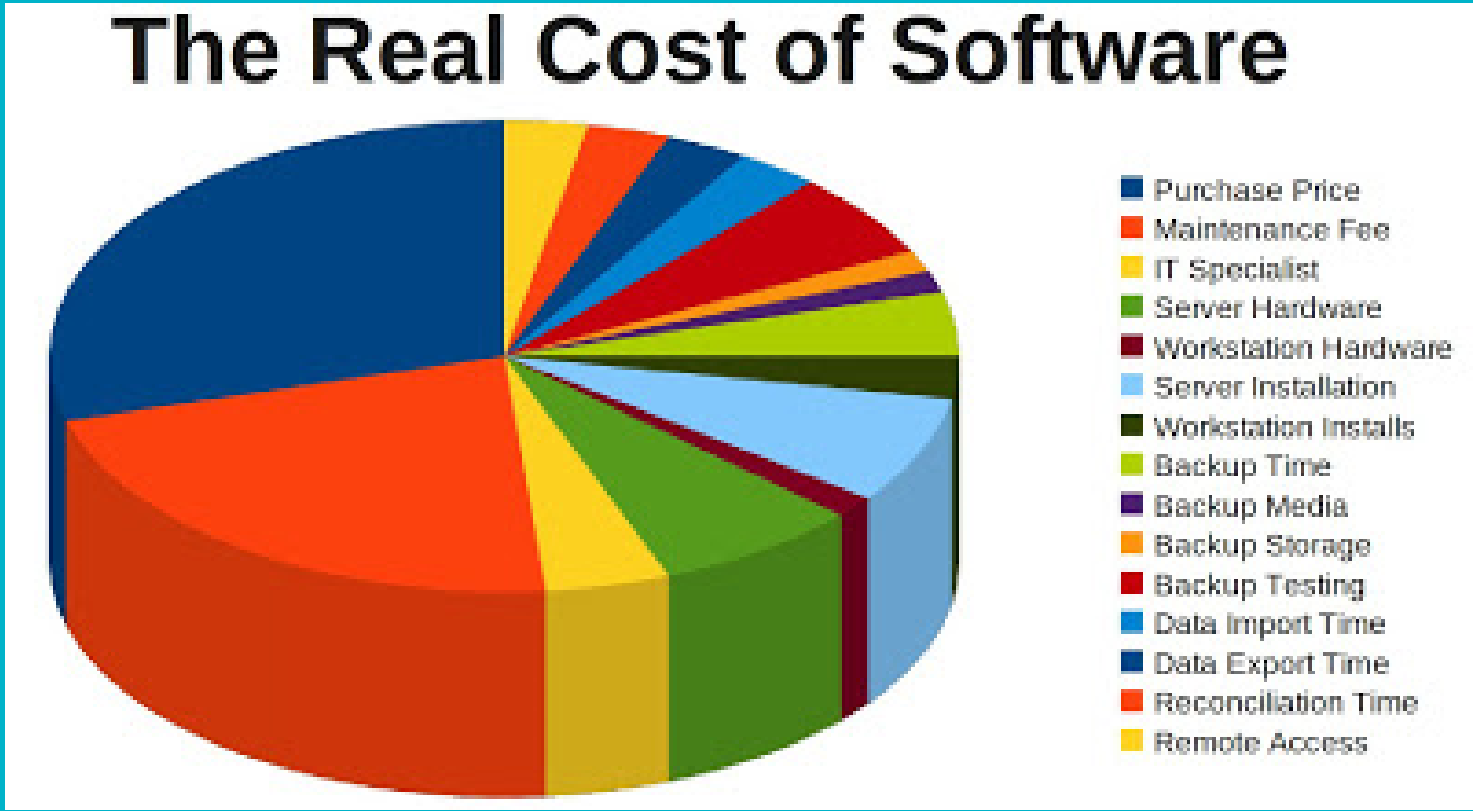
Rapporteur Barbara Weiler



Draft law approved by 550 votes to 12

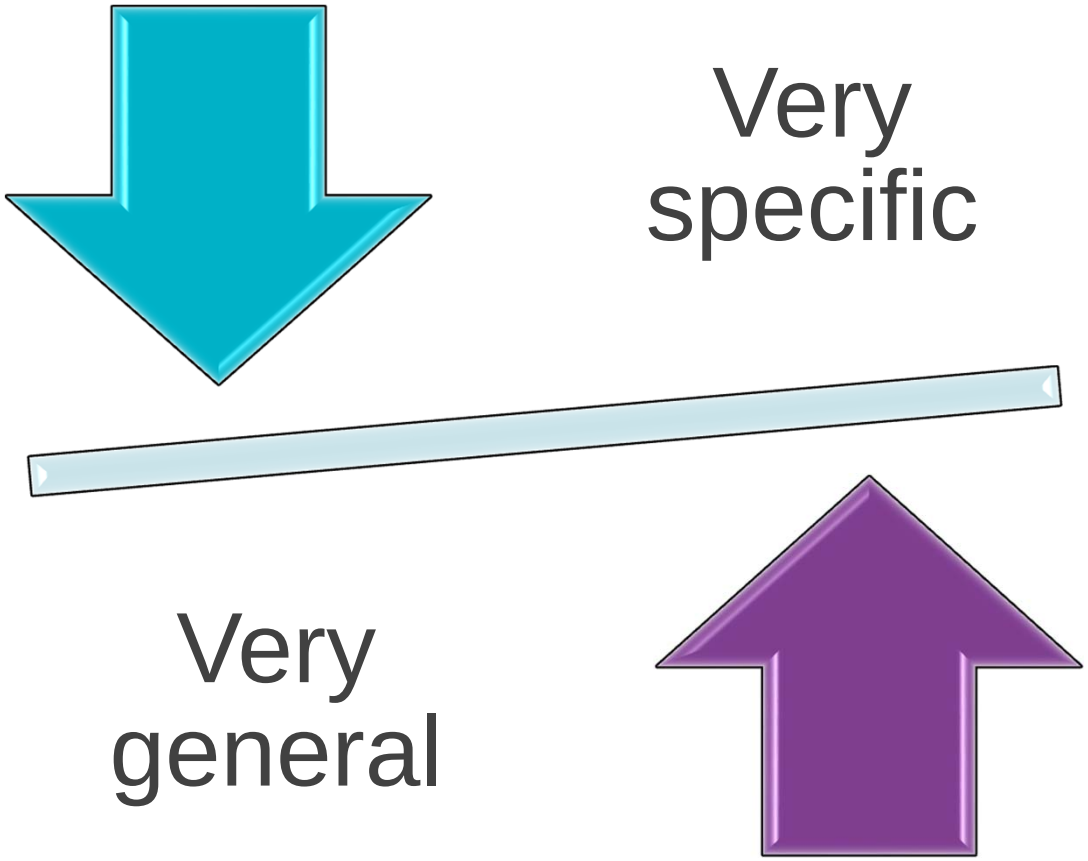
New opportunities cause standards

New opportunities cause standards



Designing standards

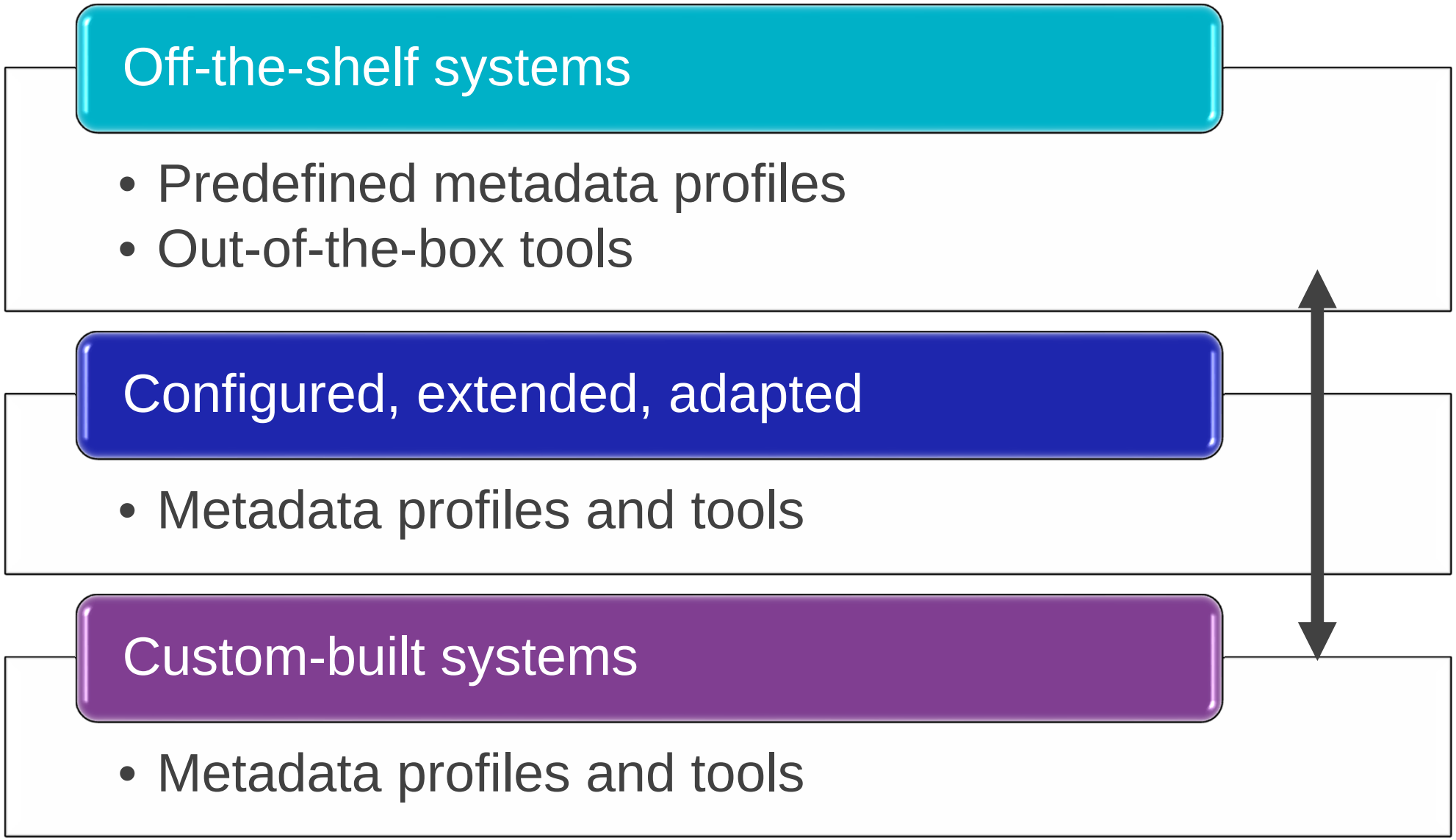
The right balance between general and specific solutions



Standards architecture

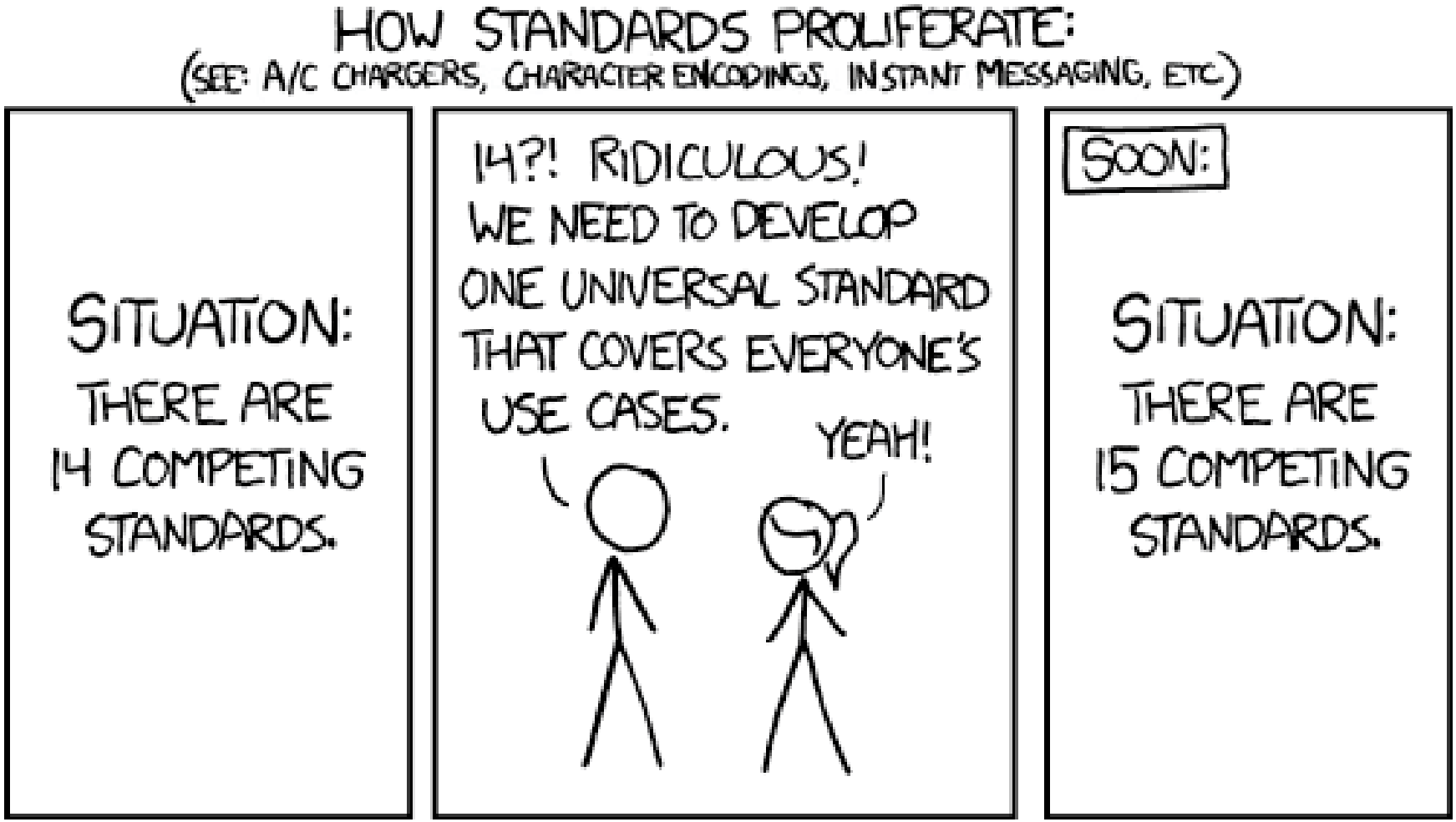
- A tidy scope
- Aligned with well-adopted related standards
- Well defined extension points
- Modular and layered/ or nested architecture
- Best practice guidelines for combining standards

The right balance between general and specific solutions

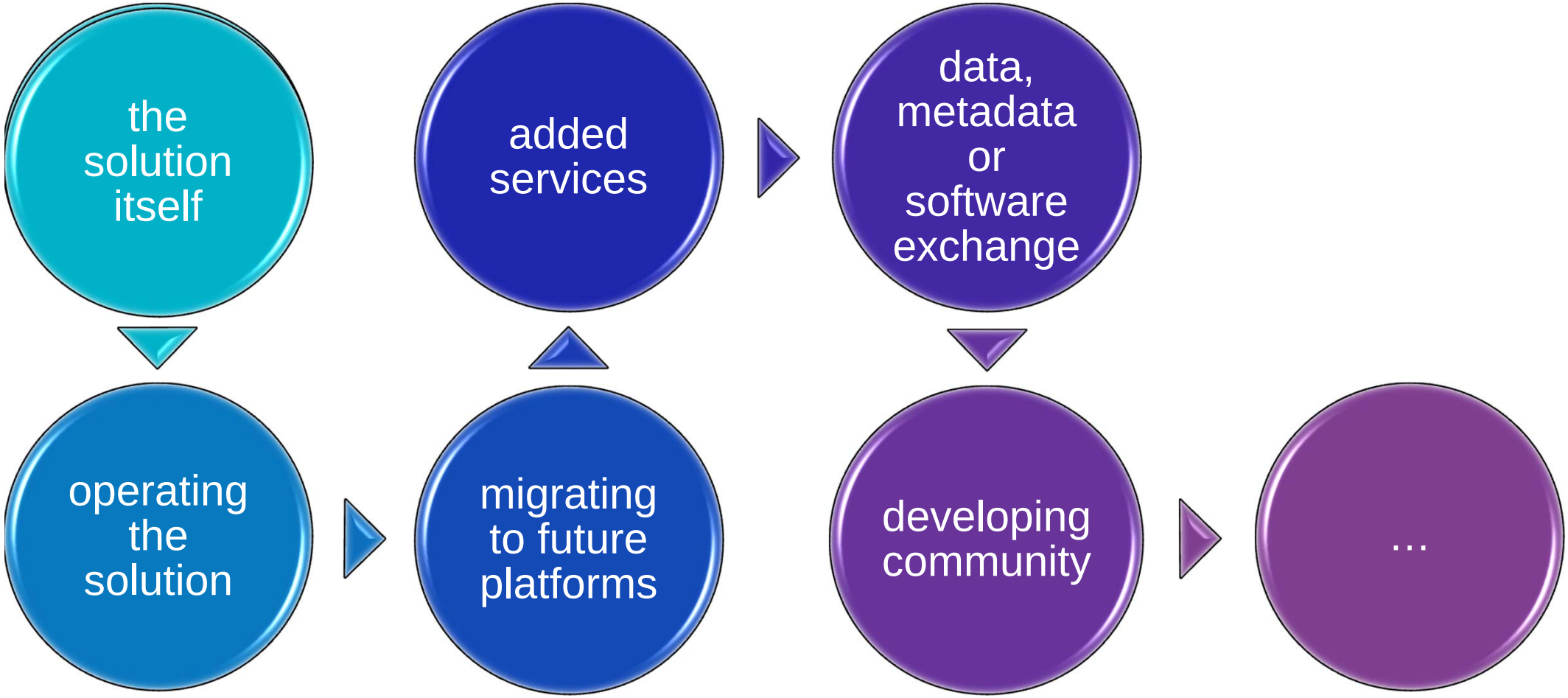


Using standards

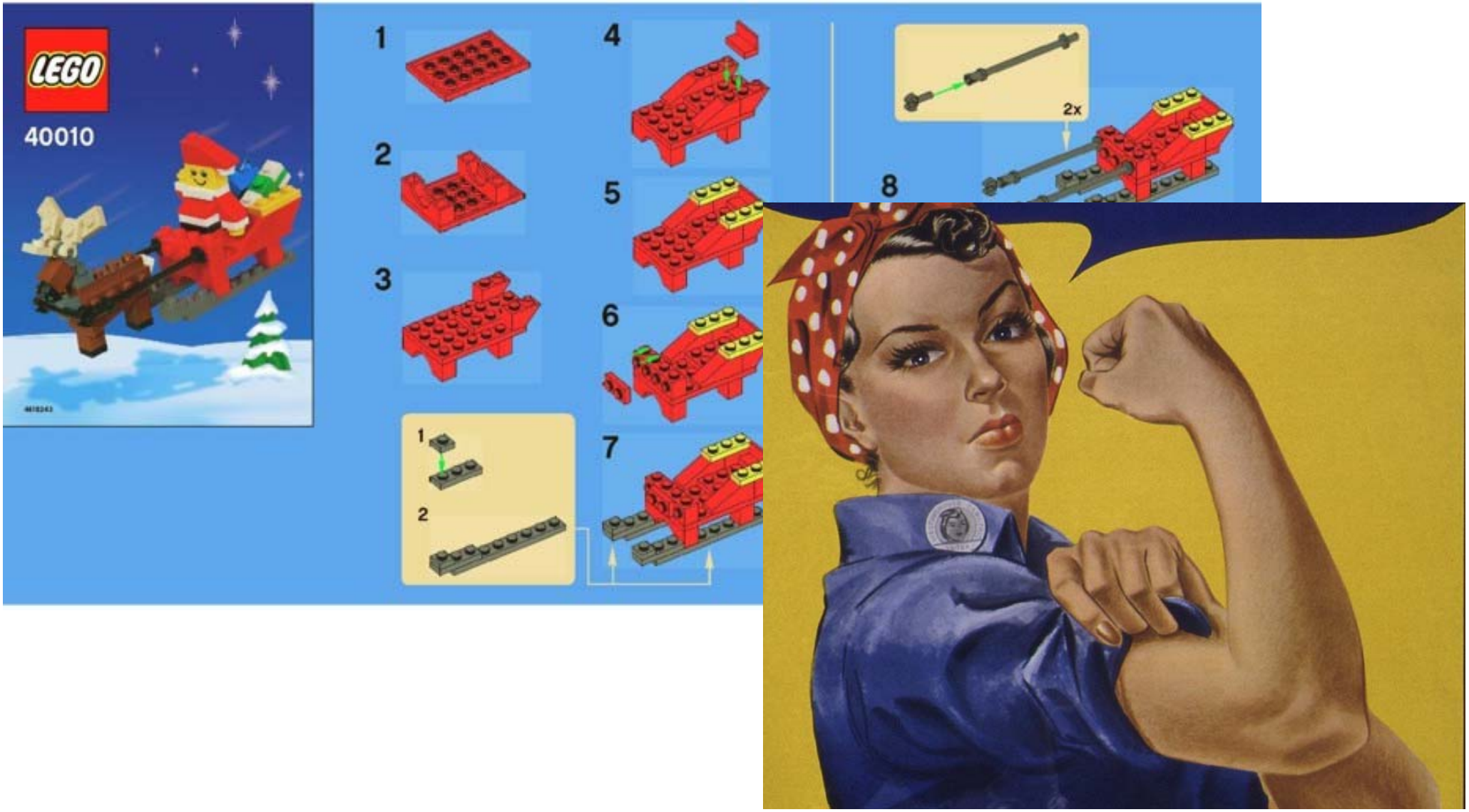
Making a standard your own vs. making your own standard



Non-standard solutions

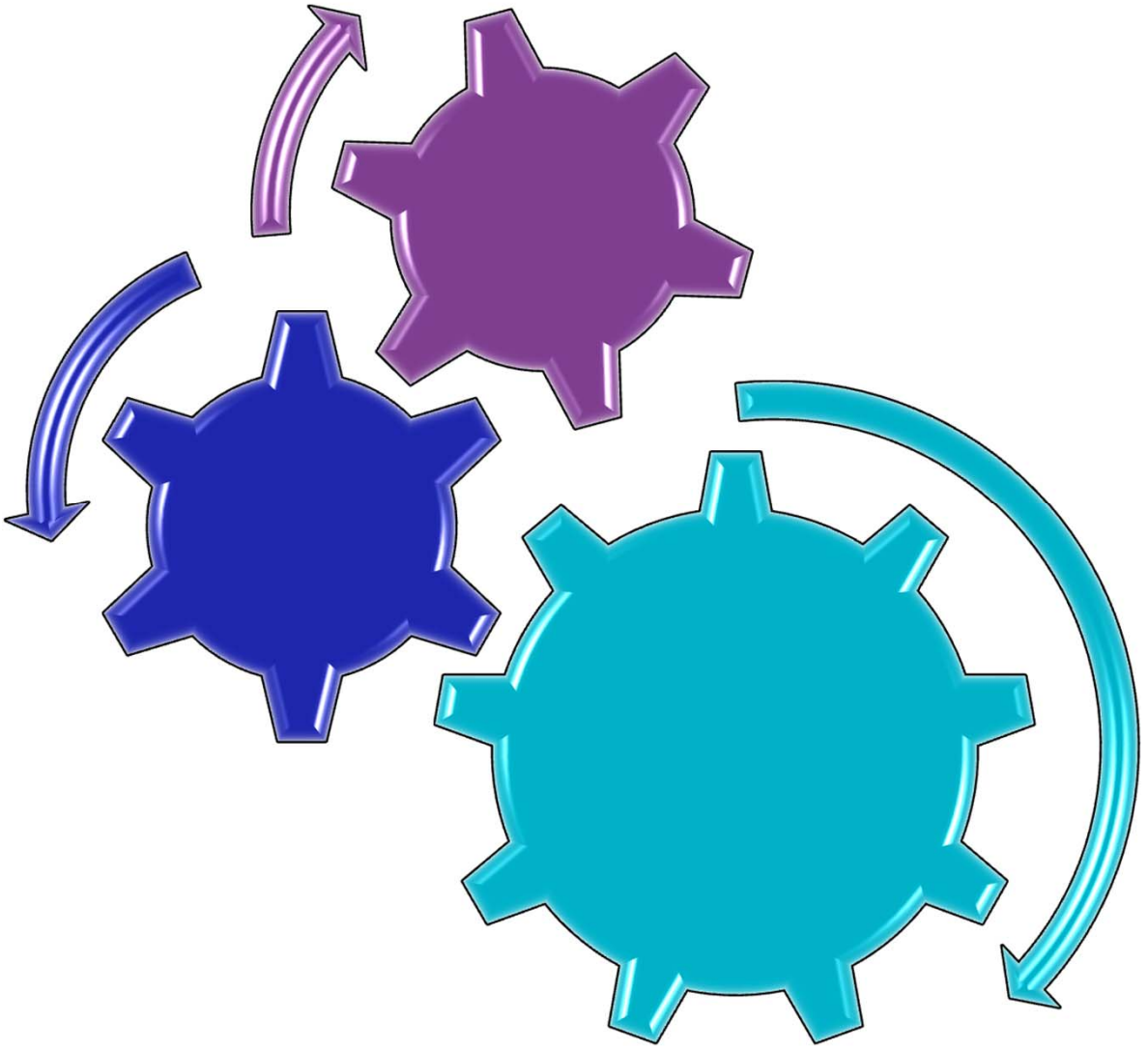


Expectations



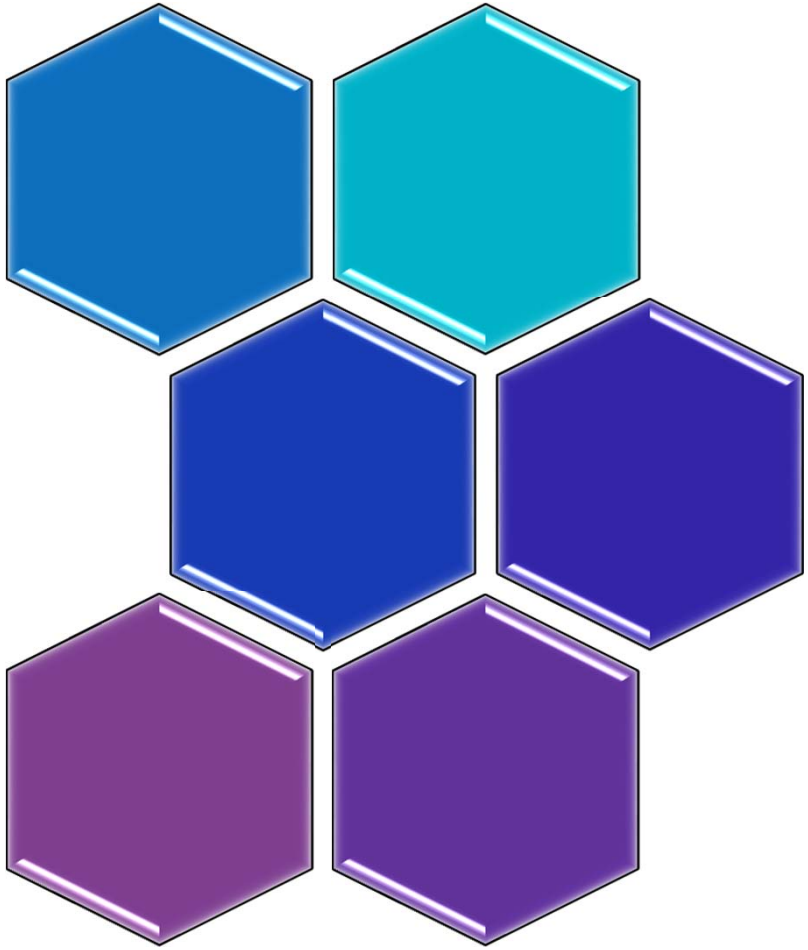
Perceptions

Combining standards is hard



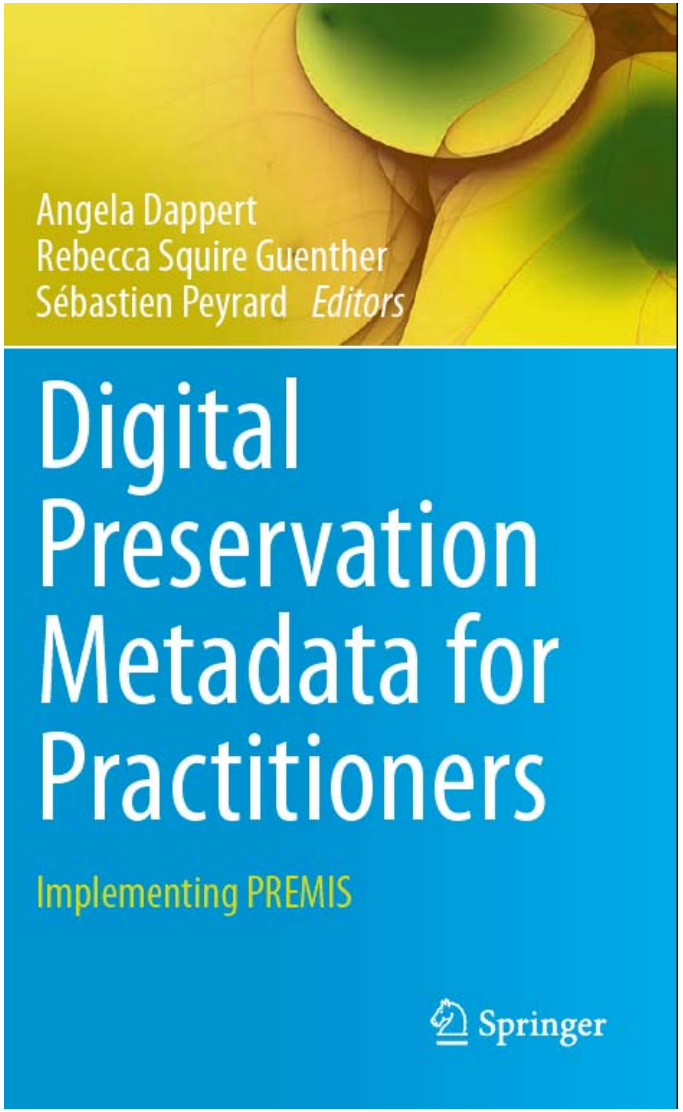
Adopting standards

Including all

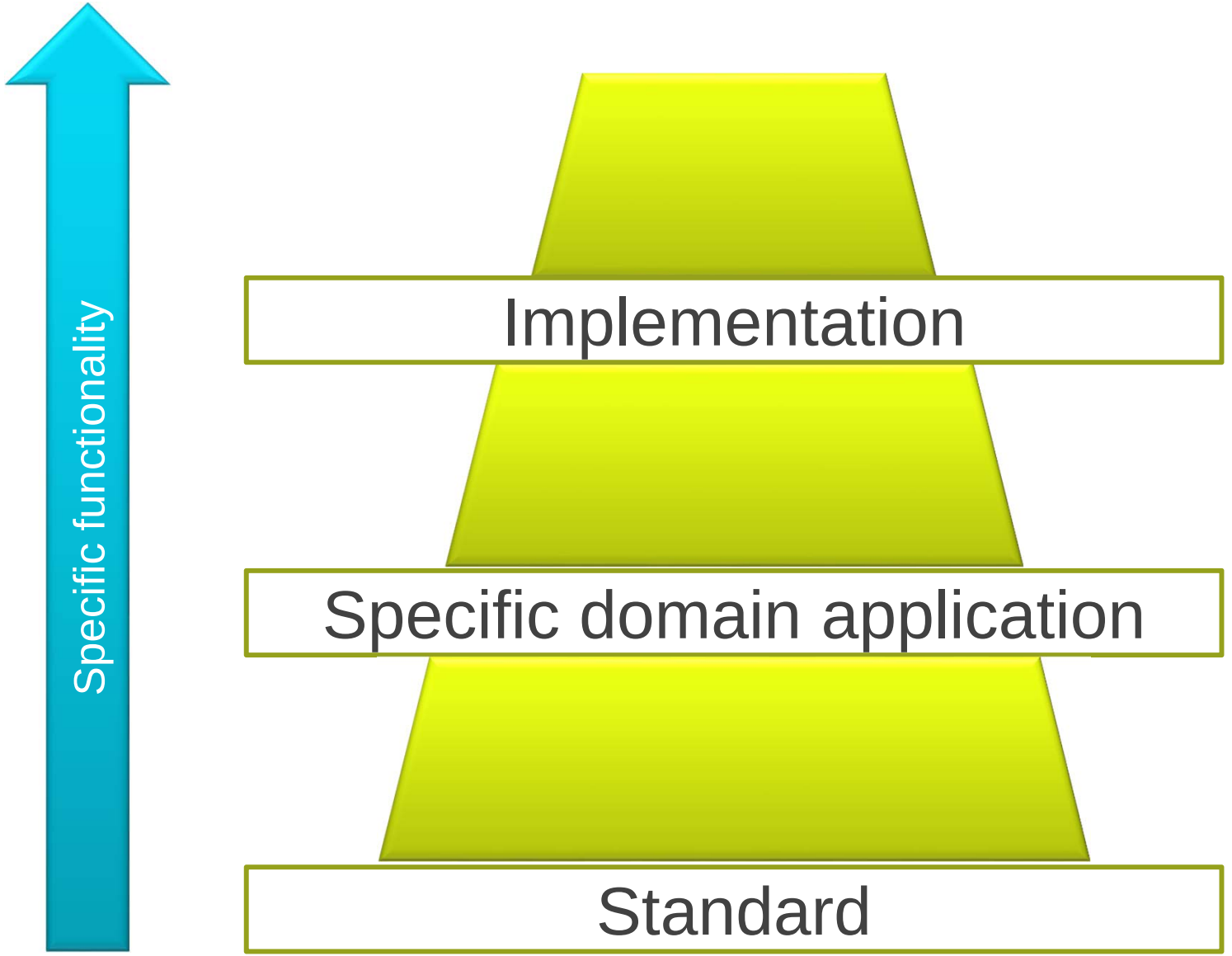


Different communication needs

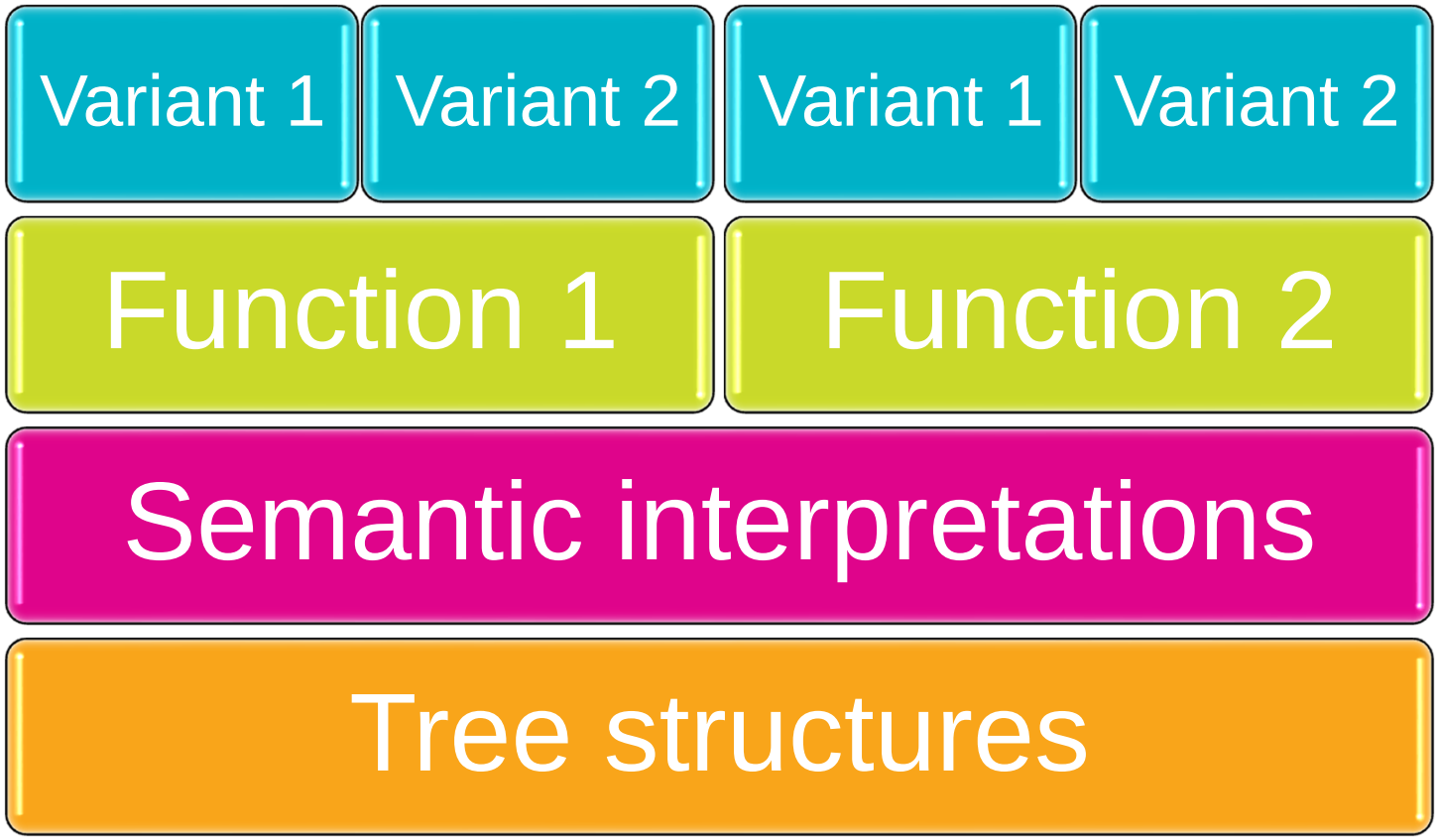
Different communication needs



Standardised ways of using a standard - profiles



Abstracting away our differences through technology



Variants of basic functionality

Modular functions

Semantic interpretations

Computational data structures

Drivers

Catastrophes

Consumer pressure

Opportunities

Issues

Raise awareness of the need for and the availability of long-term solutions

Awareness, knowledge, and best practice transfer

Identify intrinsic and perceived differences

Map local implementations to abstracted IT solutions

Making standard shareable and accepted

Design appropriately modularised and easily configurable IT tools

Spread adoption beyond our own echo chambers

Images

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http://dilbert.com/strip/1992-06-28

http://www.janeslondon.com/2011/08/fire-insurance-plaques.html

http://www.wired.co.uk/article/common-charger-vote, Shutterstock

https://commons.wikimedia.org/wiki/File:Waterloo_Station_clock.jpg

http://thehealthcareenterprises.blogspot.co.uk/2013/02/why-software-engineering-fails.html

https://xkcd.com/927/

http://lego.brickinstructions.com/lego_instructions/set/40010/LEGO_Santa_with_Sleigh

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