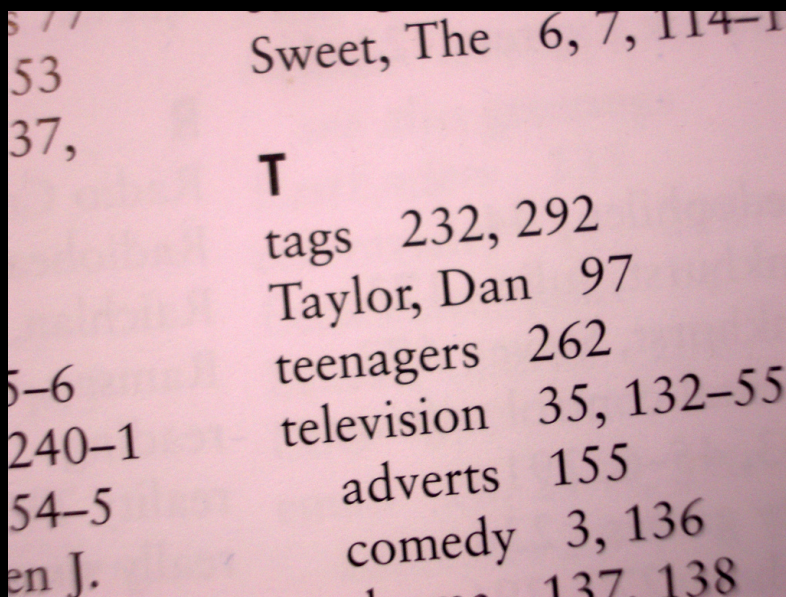




Standards and Data Citation

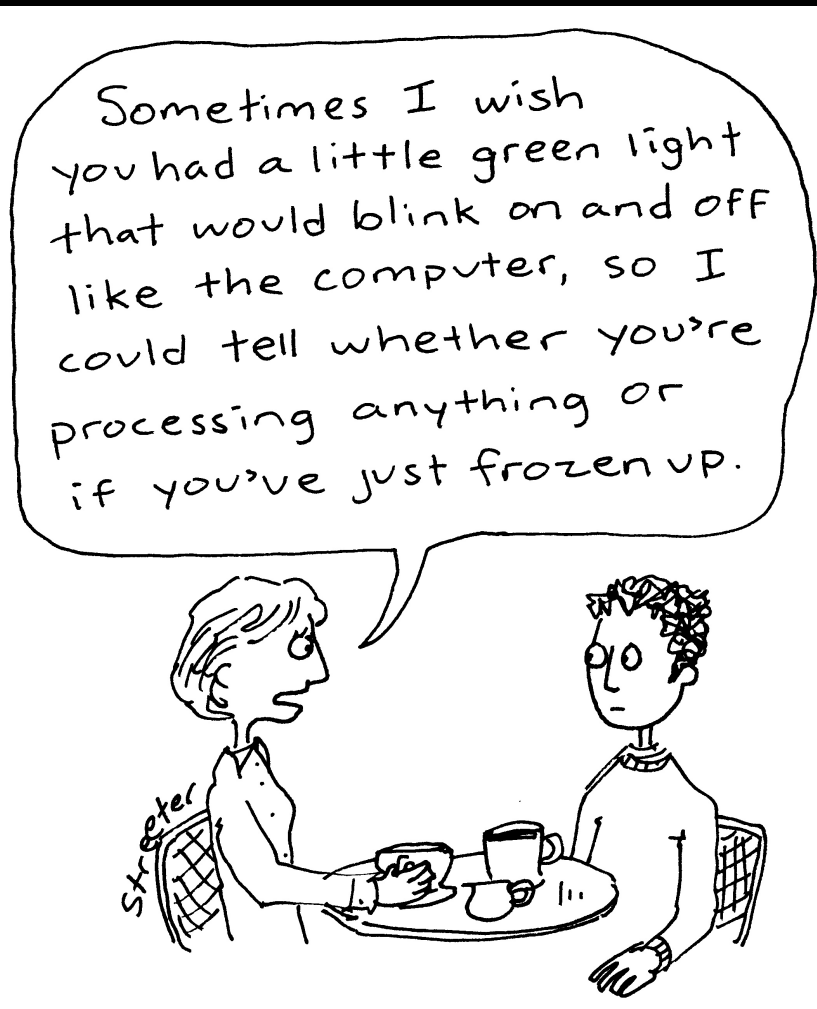
*Todd Carpenter
Managing Director, NISO
Data Attribution and Citation Workshop, August 2011*

Standards are familiar, even if you don't notice



CONTENTS	
VII	Foreword by Freddie Young
IX	Foreword by Herb Lightman
XI	Acknowledgments
XIII	About the author
XV	Introduction
1	Addresses
2	Awards for nominations for cinematography
3	Batteries
4	Camera choice
5	Camera maintenance
6	Camera threading diagrams
7	Composite cinematography
8	Electricity
9	Equipment check lists
10	Exposure
11	Filmstock
12	Filters
13	Lenses and depth of field tables
14	Light and color
15	Mathematics of cinematography
16	Special techniques
17	Utilities
18	Venue techniques
Index	

Machines don't talk like people do



Machines don't talk like people do

[illegible]

A linked data citation

<Ref>

<Refstyle> <ISNI/ORCID>

<Affiliation-12>

<ISBN/ISSN> <ISCI>

<DataSchema/Ontology> <DOI>

<ACCESS DATE>

</Ref>

We all want our own



What are data citation standards?

- Identifying the thing being referenced

Discovering it

Locating it

Describing it

Sharing it

Preserving it

Interoperating with it

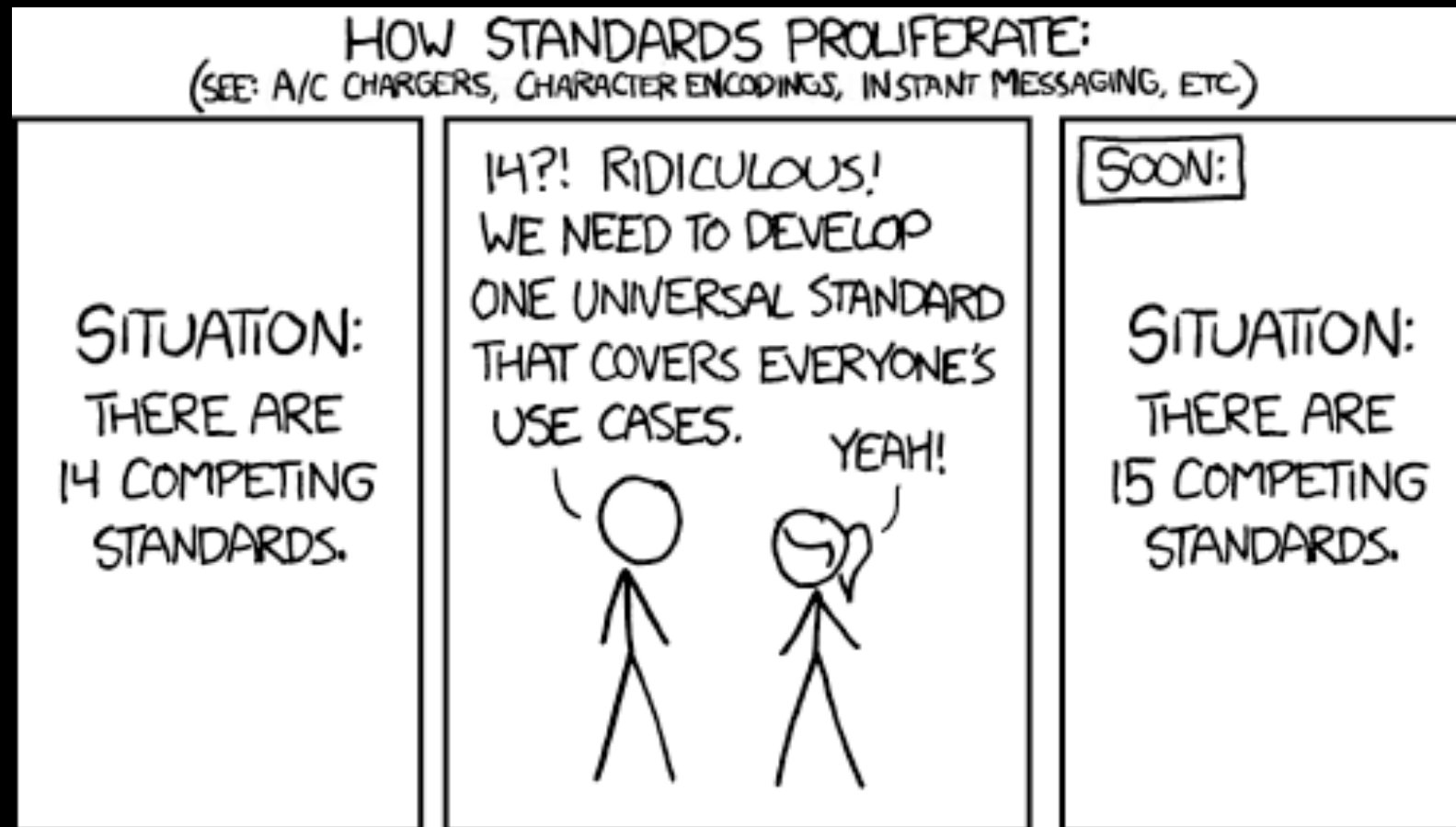
Are they more alike or different?

What are the things we all care about?

- Disambiguation of the item
- Location of the item (either physical or digital)
- Attribution of the author
- Reuse
- Preservation

Are they more different than alike?

- Ontologies/terminologies
- Privacy issues
- Rights/IP issues
- Data size & complexity
- Refresh pace/Update frequency



<http://imgs.xkcd.com/comics/standards.png/>

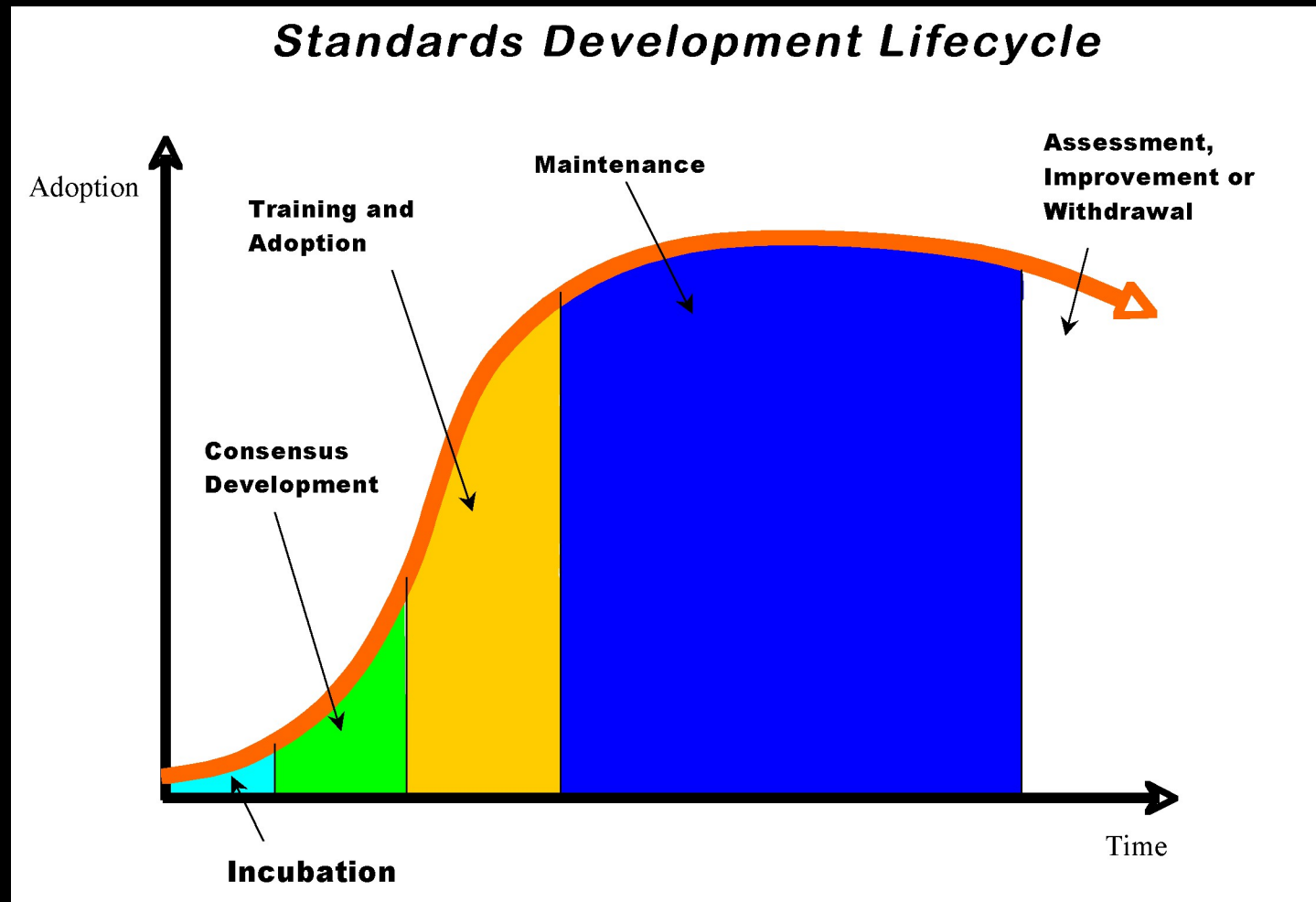
**The point at which most standards
fail is not prior to consensus**

It is in....

Adoption

(or rather, in its absence)

The lifecycle of standards



Who is important in adoption?

- Researchers (Data Producers/Authors)
- Editors & Reviewers
- Publishers
- P&T Committees / Administrators
- Funding organizations
- Researchers (Data Consumers)
- Repositories (Repository managers)



***How do we ensure
what we have done
gets adopted?***

Thank you!

Todd Carpenter, Managing Director
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Standards in different flavors

NISO develops “Capital S” Standards

- Officially designated Z39.XX standards or at ISO
- Accredited by ANSI or ISO
- De Jure “Force of Law” standards (national/international)

NISO also develops lower-threshold consensus projects: Recommended Practices

- Simpler process, faster to develop
- When it’s too early to formally standardize
- Helps to shape industry practice

Supplemental Materials Project

Goal is to focus on the publication structures necessary for communicating supplemental materials as part of the publications process

NOT Addressing every and all data questions

Scope of the project

		Within the article		Outside the article
<i>Importance</i> <i>Content type</i>		1. Primary	2. Secondary	3. Cited
Printable Beyond the printed page	A. Text, figures, tables	Traditional article	In scope	Practices exist
	B. Multimedia, chemical, crystal, and protein structures, computer algorithms, executables, etc.	Practices exist. Our clarification may be needed	In scope	Practices exist. Our clarification may be needed
	C. Data sets	In scope		Practices exist

Content that users want & need?

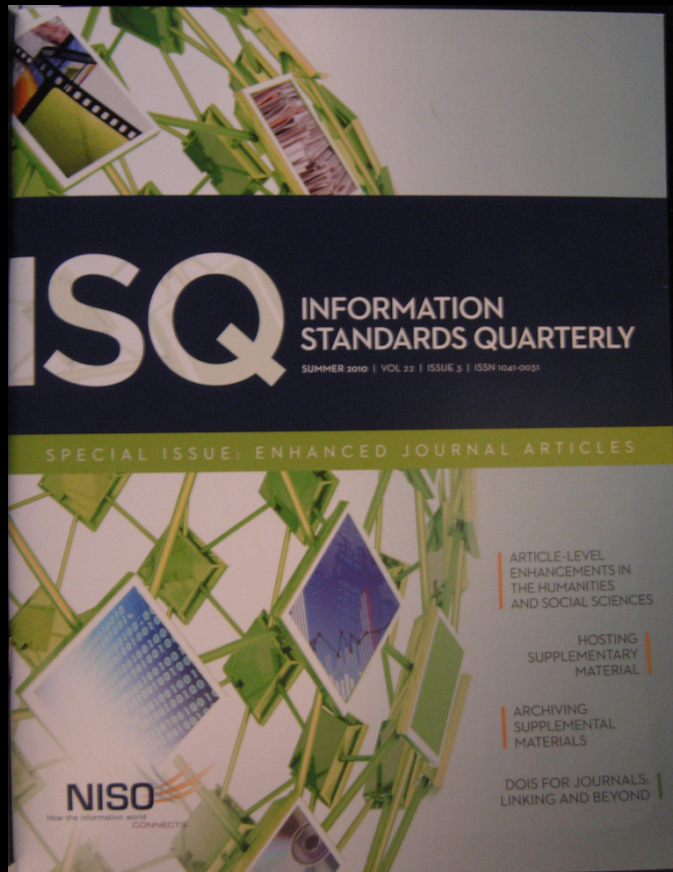
- The core questions:
 - What is critical to understanding?
 - What is supplemental to understanding?
 - What is ancillary to understanding?

The form of the content, i.e., text, video, audio, data, applications, is NOT the key to whether something is supplemental

Links: Standards organizations

- NISO = www.niso.org (OpenURL, MARC, DublinCore, ISSN)
- W3C = www.w3.org (HTML, CSS, HTTP, MATHML, OWL, SKOS)
- OASIS = www.oasis-open.org (DITA, DOCBOOK, SAML)
- EDITEUR = www.editeur.org (ONIX, ICEDIS)
- LC = www.loc.gov/standards (MARC, MODS, METS PREMIS)
- IDPF = www.idpf.org (EPUB)
- IDEAlliance = www.idealliance.org (PRISM, PROSE, G7)
- OAI = www.openarchives.org (PMH, ORE, Memento)
- DCMI = www.dublincore.org (DCMI)
- ISO = www.iso.org or [ISO TC 46](http://www.iso.org/iso/tc46) (ISBN, ISSN, DOI, ISTC)
- CDISC = www.cdisc.org/standards (ADAM, BRIG CDASH)

Information Standards Quarterly (Open Access)



Summer 2010 Issue of ISQ

Special issue on Enhanced Journal Articles

Article-level Enhancements in the Humanities and Social Sciences
Hosting Supplemental Materials
Archiving Supplemental Materials
DOIs - Linking and Beyond
Supplemental Materials Survey
Report on NISO/NFAIS project

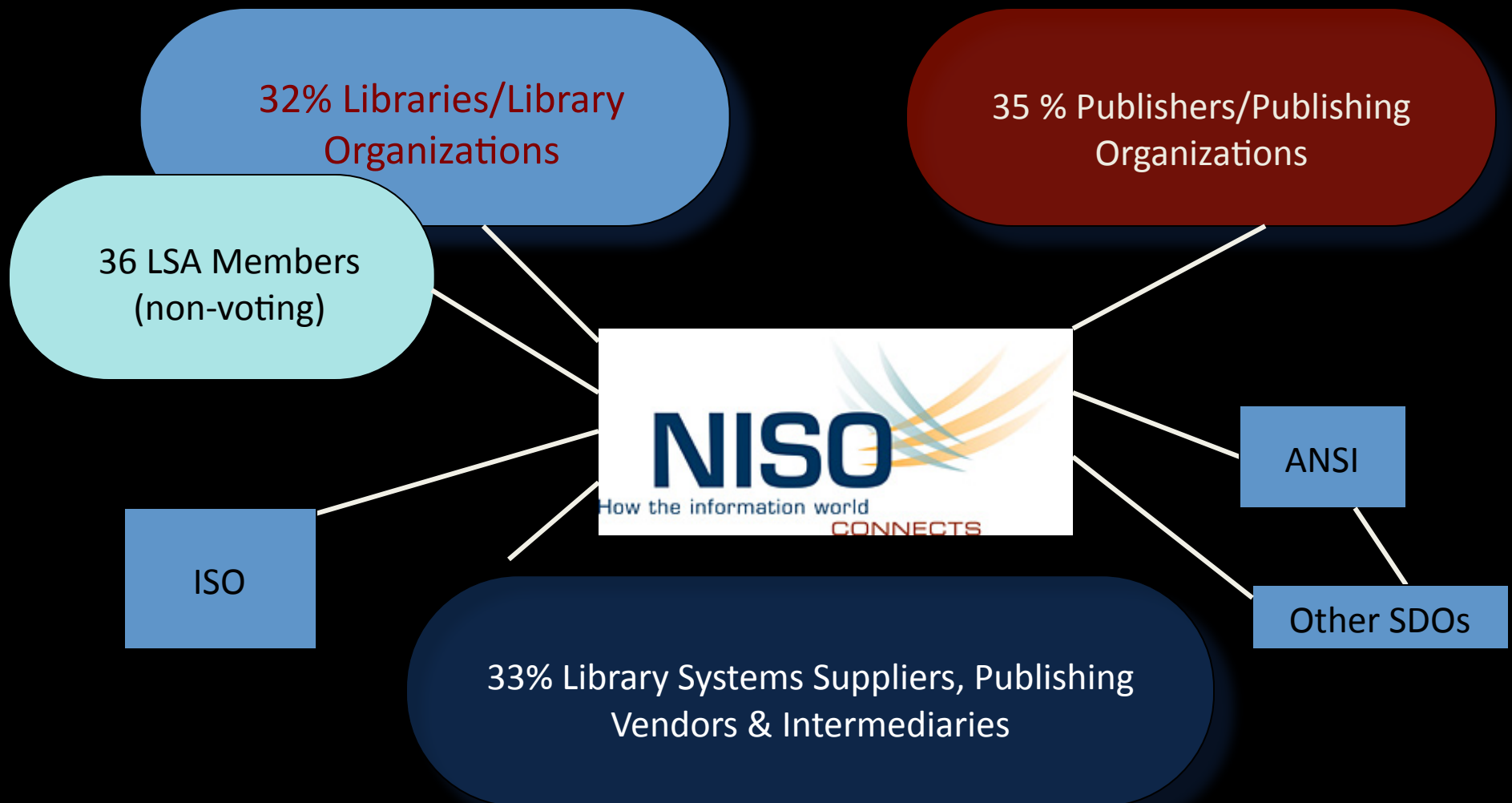
ALSO OTHER RELATED PROJECTS

DOI International Standardization

Preservation Practices

Dublin Core Metadata

National Information Standards Organization (NISO)



NISO's part of ISO Organizational Structure



Technical Committee (TC) 46 Information & Documentation

Subcommittees (SC):

- 4 – Systems Interoperability
- 8 – Performance Measurement
- 9 – Identification & Description
- 11 – Records Management

NISO manages the Secretariat of ISO TC 46, SC 9

Moving a NISO project forward

Within NISO, the process is fairly easy:

Idea is generated → Submission of proposal idea

Vetted by a leadership committee

Approved by membership

Working group organized → Addresses issue

Draft is released for public comment/review

Leadership committee vets

Membership votes to approve/amend

Publication

Promotion/training/adoption focus

Periodic review, maintenance, updating

Average timeline (launch to publication) now 24-30 months