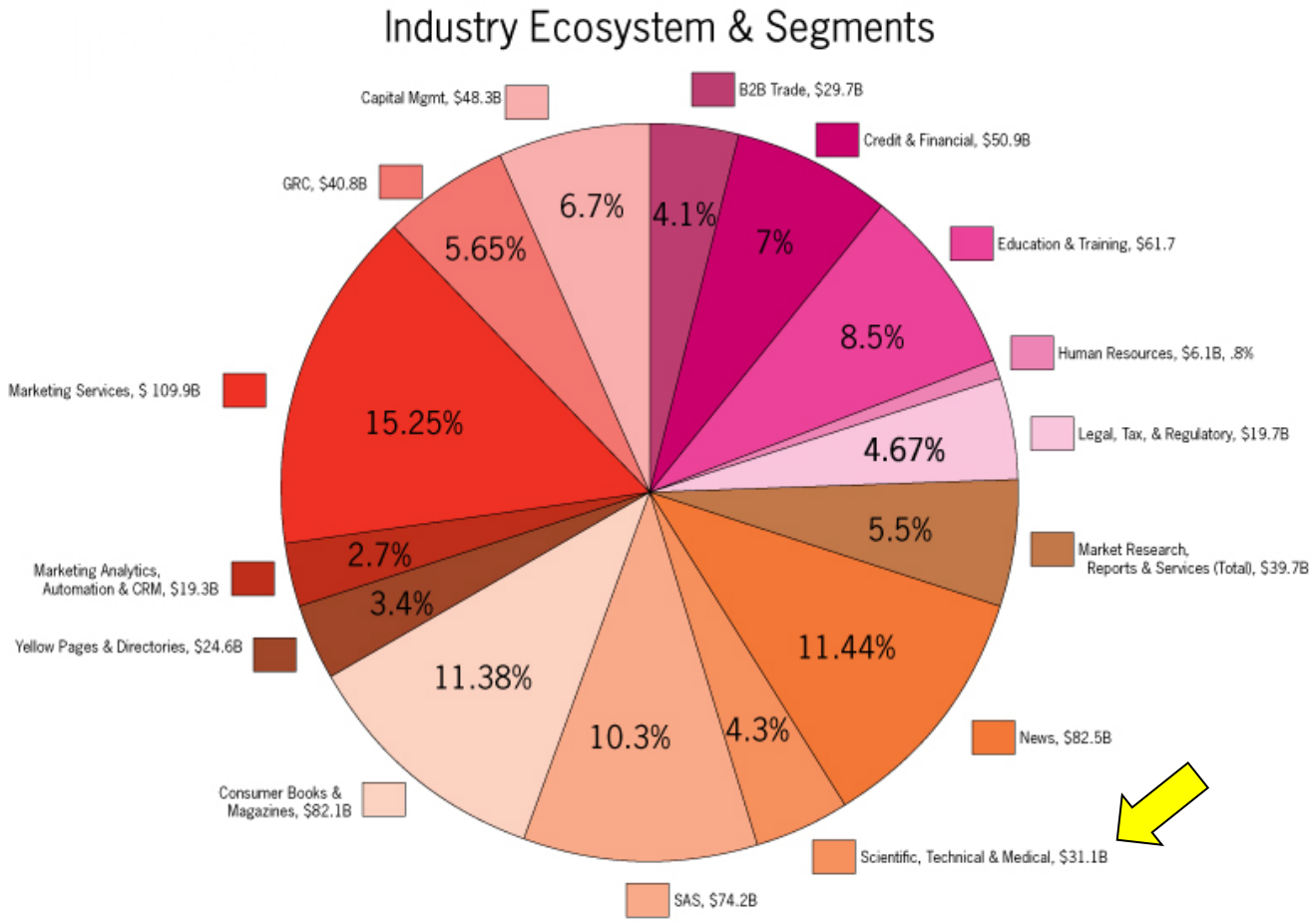
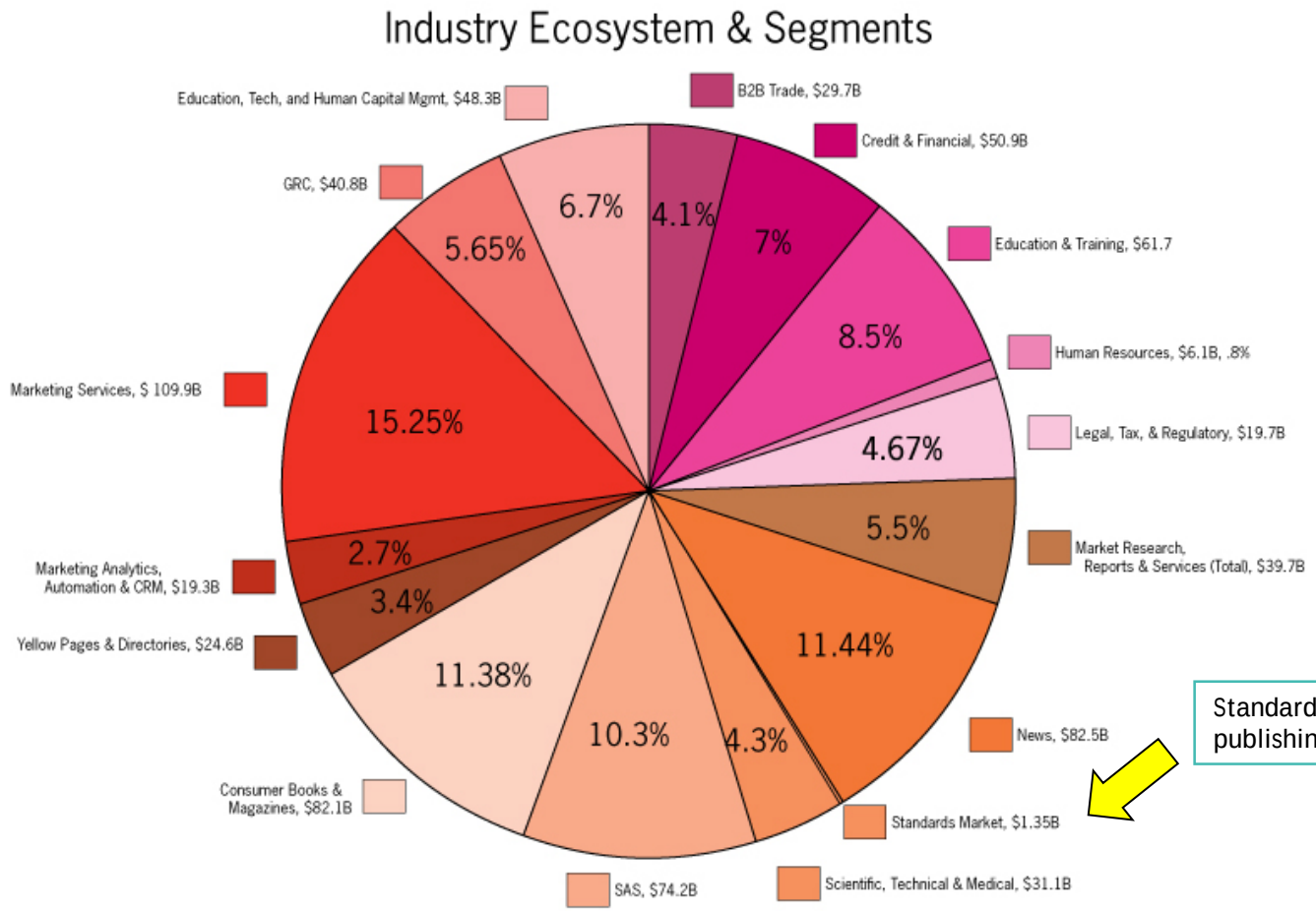
NISO SSOS (Standards-Specific Ontology Standard) Update

Robert Wheeler
ASME

Standards Publishing: Context

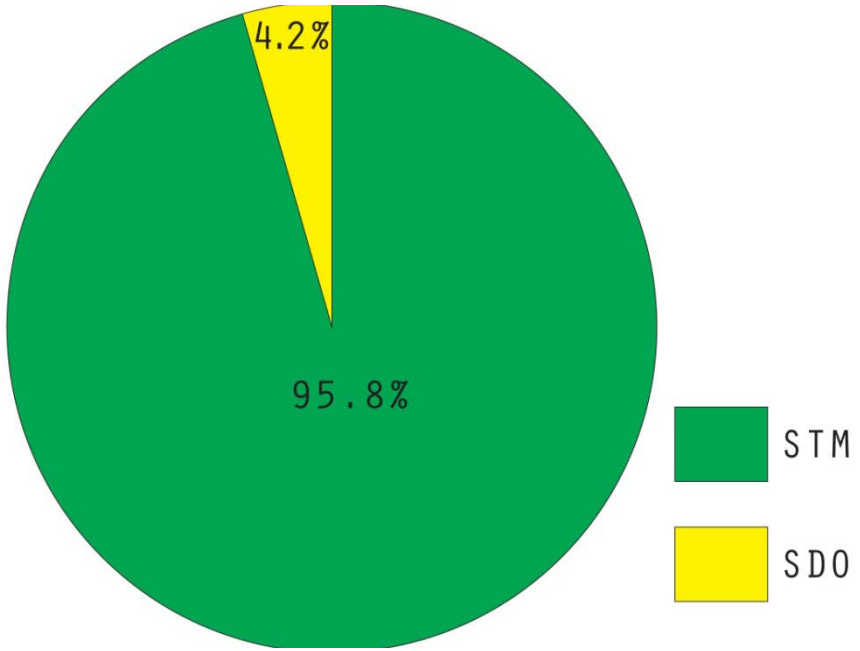


Standards Publishing: Context



Standards Market is ~0.18% of publishing

Standards Publishing: Context



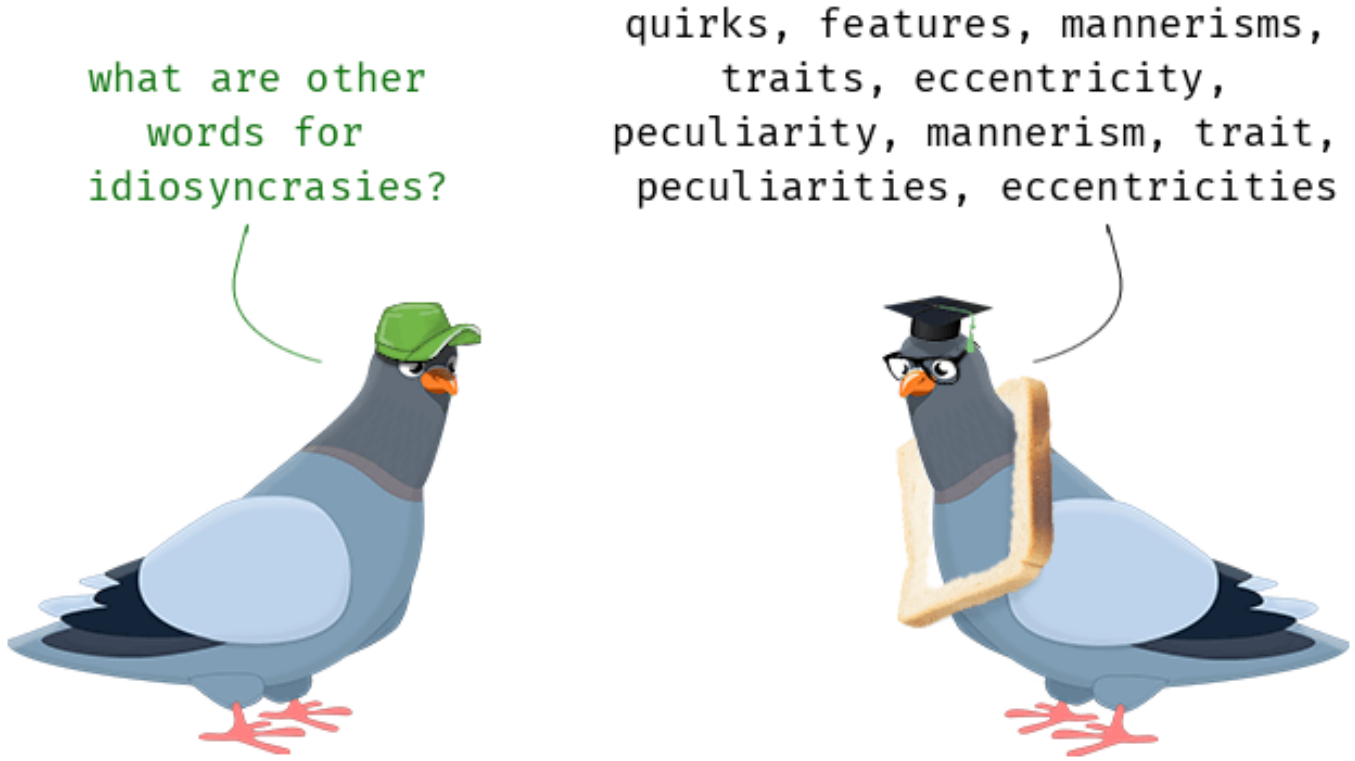
Standards Share of STM Publishing

Standards Development

- Rally a bunch of experts, usually volunteers
- Get them to agree
- Within a transparent, consistent, and auditable set of procedures/processes

Standards Publishing

Standards Publishing



NISO STS and the
Big Hairy Audacious Grail
(NISO STS - An Update)
(with apologies to Monty Python)

At a distant Frankfurt Book Fair some of us said…

SOS

Standards Ontology Standard

SSOS

Standards-Specific Ontology Standard

Ontology (noun) (in plain English)

An ontology draws up a graph telling you what all the bits you deal with in your line of work are called, what makes each thing special and how the things relate to each other and interoperate as a meaningful whole.

An ontology written in a language like W3C OWL helps search engine algorithms in extracting relevant information from natural language text (like most standard content)

(Source: my proposed co-chair, Cord Wischhöfer of DIN Software)

SSOS

Standards-Specific Ontology Standard
focussing on the **life-cycle aspects of standards**

Life cycle of standards? Not really ambitious!?

Work item, draft, publish, revise, publish next edition, withdraw...

Piece of cake, right?

No two standards organizations in the world use identical standards life cycle states

ANSI American National Standards Institute

ASME SETTING THE STANDARD

ASTM INTERNATIONAL

bsi.

energy API

NBN

NISO How the information world CONNECTS

NIST

STANDARDS Australia

DIN

afnor NORMALISATION

and many, many more…

"Basically, we're all trying to say the same thing."

NISO SSOS

The Standards-Specific Ontology Standard in e.g. W3C OWL will help us describe and interpret standards life-cycle information from any organisation willing to use the ontology. This will greatly increase transparency and interoperability.

NISO SSOS Working Group Proposed Roster

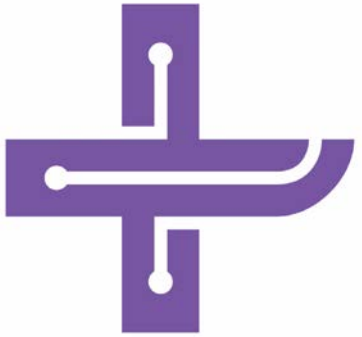
Lesley	West	ASTM International
Howard	Gilson	ASTM International
Alton	Sanders	Boeing
Ingrid	Goldstein	BSI Group
Michael	McCarthy	CSA Group
Greg	Saunders	Defense Logistics Agency (DoD / DLA)
Michael	Esser	DIN Software GmbH
Cord	Wischhöfer	DIN Software GmbH
George	Jiang	Elsevier
Adam	Newman	IEEE
Kim	Breitfelder	IEEE
Kylie	Rodier	International Organization for Standardization (ISO)
Serge	Juillerat	International Organization for Standardization (ISO)
Jo	Collins	NEN
Petra	Uitermark	NEN
Lisa	Zilinski	SAE International
David	Winchell	XSB Inc.
Bob	Hollowell	American Society of Mechanical Engineers (ASME)
Robert	Wheeler	American Society of Mechanical Engineers (ASME)

Discussion, Questions, Comments?

Robert Wheeler, WheelerR@asme.org

NISO PLUS 2020

ENVISION + INNOVATION



NISO PLUS 2020

ENVISION + INNOVATION