Where DITA is Now and Where It is Going:

Lightweight DITA and DITA 2.0

Keith Schengili-Roberts – October 26, 2017

What We'll Cover

A quick look at the projects DITA Technical Committee (TC) currently oversees:

- DITA Usage and the Changing Landscape of Technical Communications
- How DITA is Made (and by Whom)
- Lightweight DITA and Multimedia Additions to DITA 1.3
- DITA 2.0

DITA Usage and the Changing Landscape of Technical Communications

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A Peek into My Research on DITA Usage

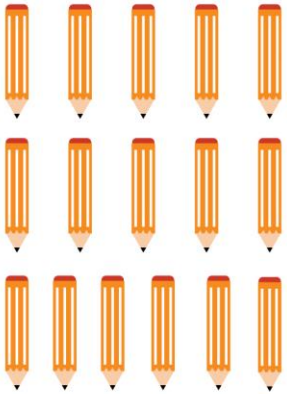
- Part of my role at IXIASOFT is to better understand who is using DITA XML and why
  - Has been very little independent research on the scope of the industry
- Major marketing research firms (Forrester, Gartner) likely consider DITA usage too small a niche; no significant research published from them for almost a decade
  - And a decade ago, DITA had only recently been released…

Where This Information Comes From

My main sources of information:

- People self-reporting DITA usage on resumes (LinkedIn, Indeed.com)
- Survey of presentations from technical communication conferences
- Published case studies / webinar presentations
- Technical writer job postings
- Information on individual companies and vertical market segmentation initially from LinkedIn, more recently from Hoover
- Published national labour statistics

Worldwide DITA Use Among Tech Writers and Companies



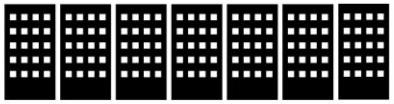
162,000
TECHNICAL WRITERS
ON LINKEDIN

11,600+
of these **writers** say they...

KNOW **DITA** & at least **1,800** say they are using ***DITA right now***

Approximate number of companies currently using **DITA:**

700+



OF *POTENTIAL* COMPANIES WORLDWIDE
#USING DITA?
at least 1,400-3,000

Popular sectors: **SOFTWARE, TELECOM, SEMICONDUCTOR & MEDICAL DEVICE**

~4.0% of U.S. tech writer jobs ask for **DITA** experience

SOURCES

Original research based on a 2015-2017 analysis of public data available on LinkedIn and Indeed.com.

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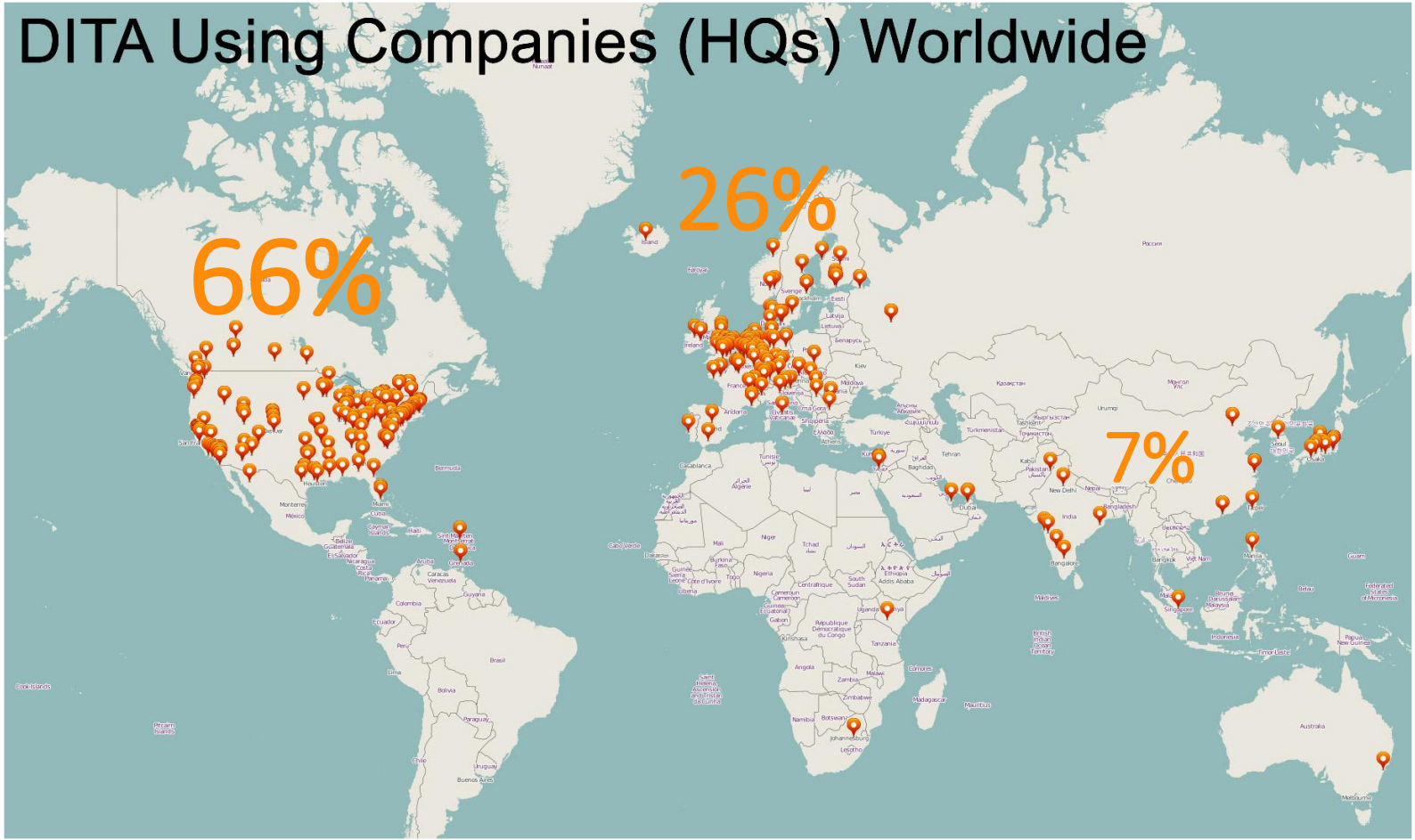
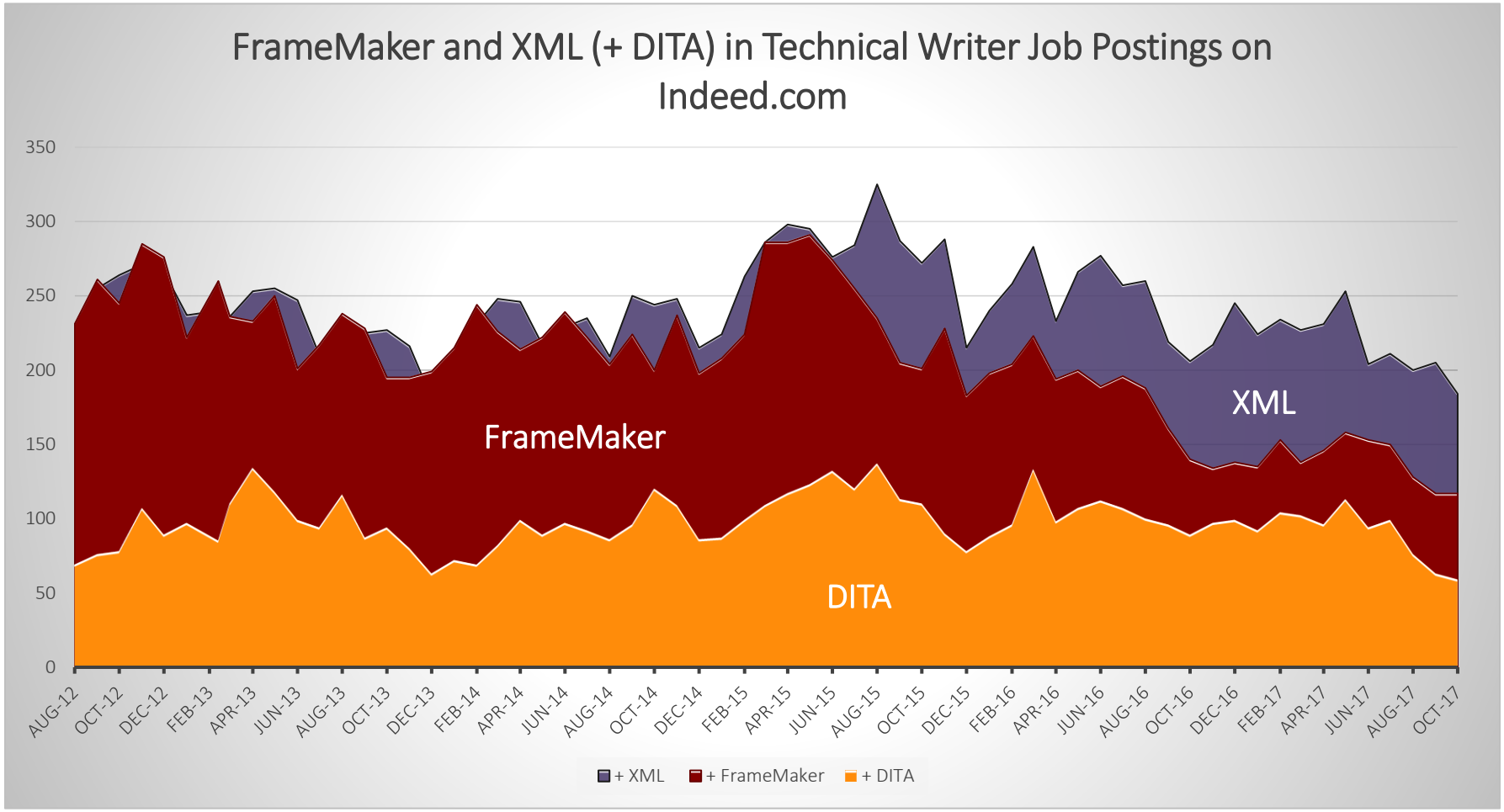
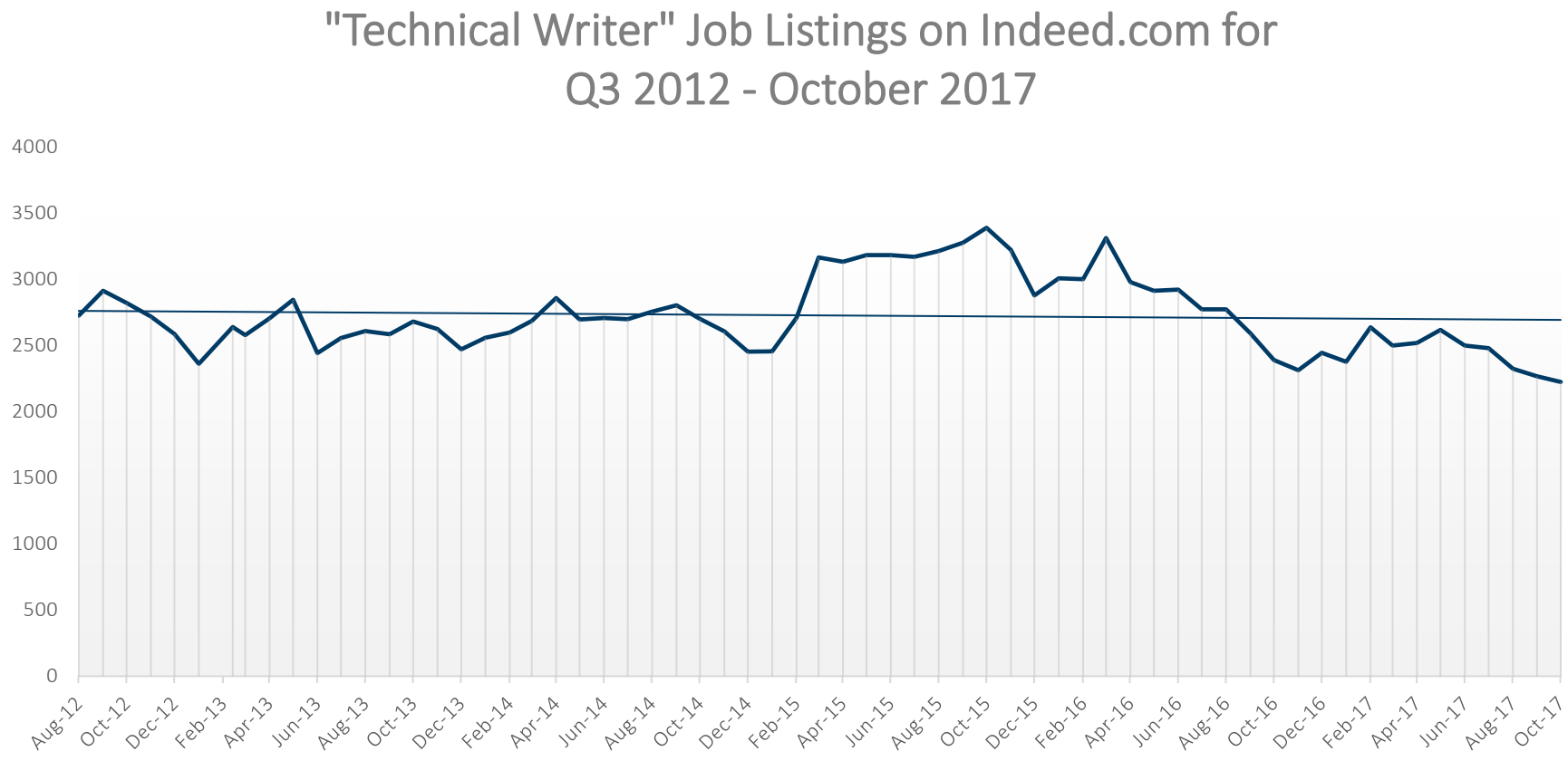
DITA is in Use Worldwide



“Traditional” DTP Tools Decline in Job Postings



Overall Decline in U.S. “Technical Writer” Jobs



I Think “Technical Writing” is Undergoing a Fundamental Shift

- If I do a non-restrictive search on Technical Writer (sans quotes) I get much higher figures from LinkedIn and Indeed.com
  - LinkedIn: 162K for “Technical Writer”; 190K without quotes
  - Indeed.com: 2K jobs for “Technical Writer”, 6.7K without quotes

- I strongly suspect “Technical Writer” no longer adequately describes what we do

Types of Jobs Asking for DITA Experience

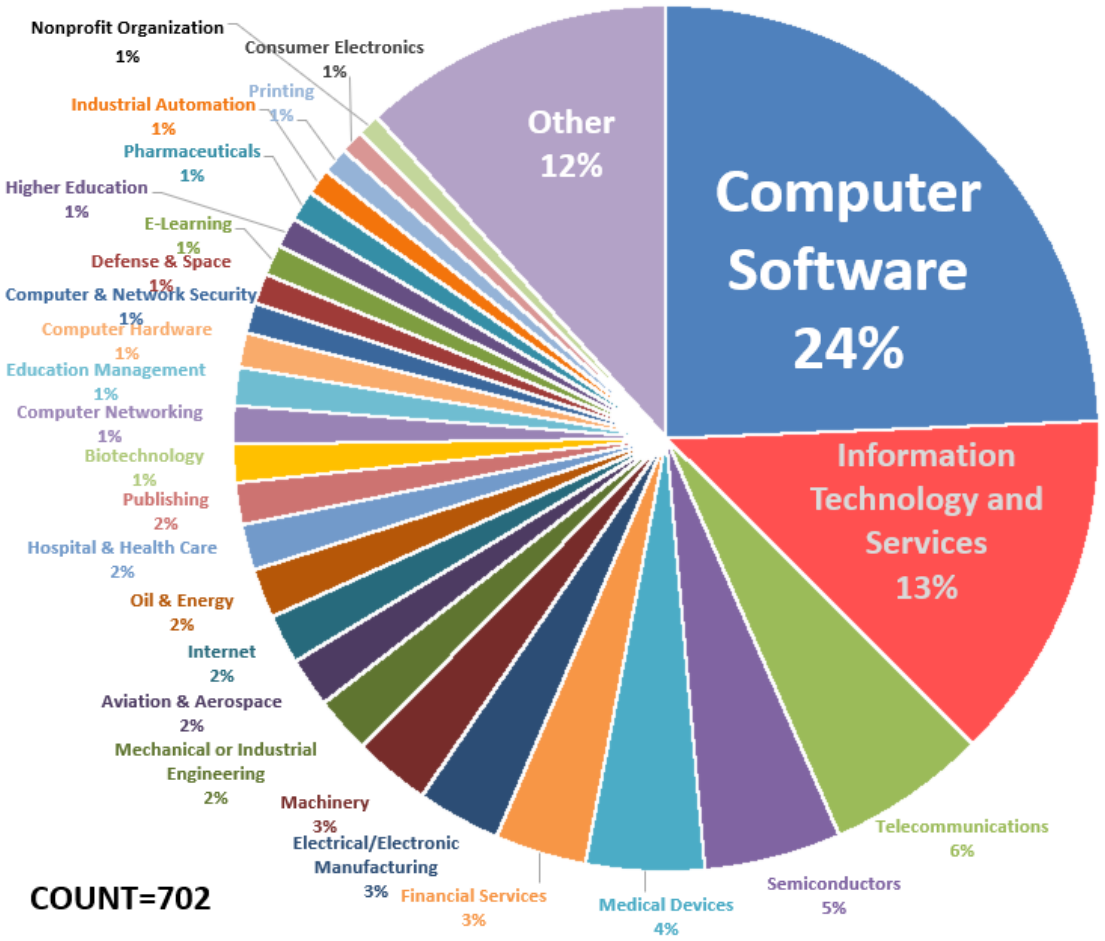
- Instructional Designer/E-learning Developer
- Program Manager, Customer Service Content Strategist
- Content Specialist
- Senior Content Strategist
- Technical Editor
- Content Editor
- DITA-OT Programmer Intern
- Ontologist
- Content Management Administrator/Analyst
- Content Development Specialist
- Documentation Tools Developer
- Content Director
- Online Content Editor
- Manager, Knowledge Management
- Manager, Information Development
- User Assistance Developer 2
- UI Text Lead and Writer
- Digital Content Editor
- Sr Editorial Strategist
- Member of Technical Staff, Documentation
- Senior Consultant, Customer Technical Communications
- CMS Engineer
- Senior Staff Information Developer

Who Has a Corporate Need for an Ontologist?

- Larger firms with many products, help with efficient search
- From the job listing: “Develop and implement ontologies in consultation with stakeholders in teams dedicated to search, product management and product development.”

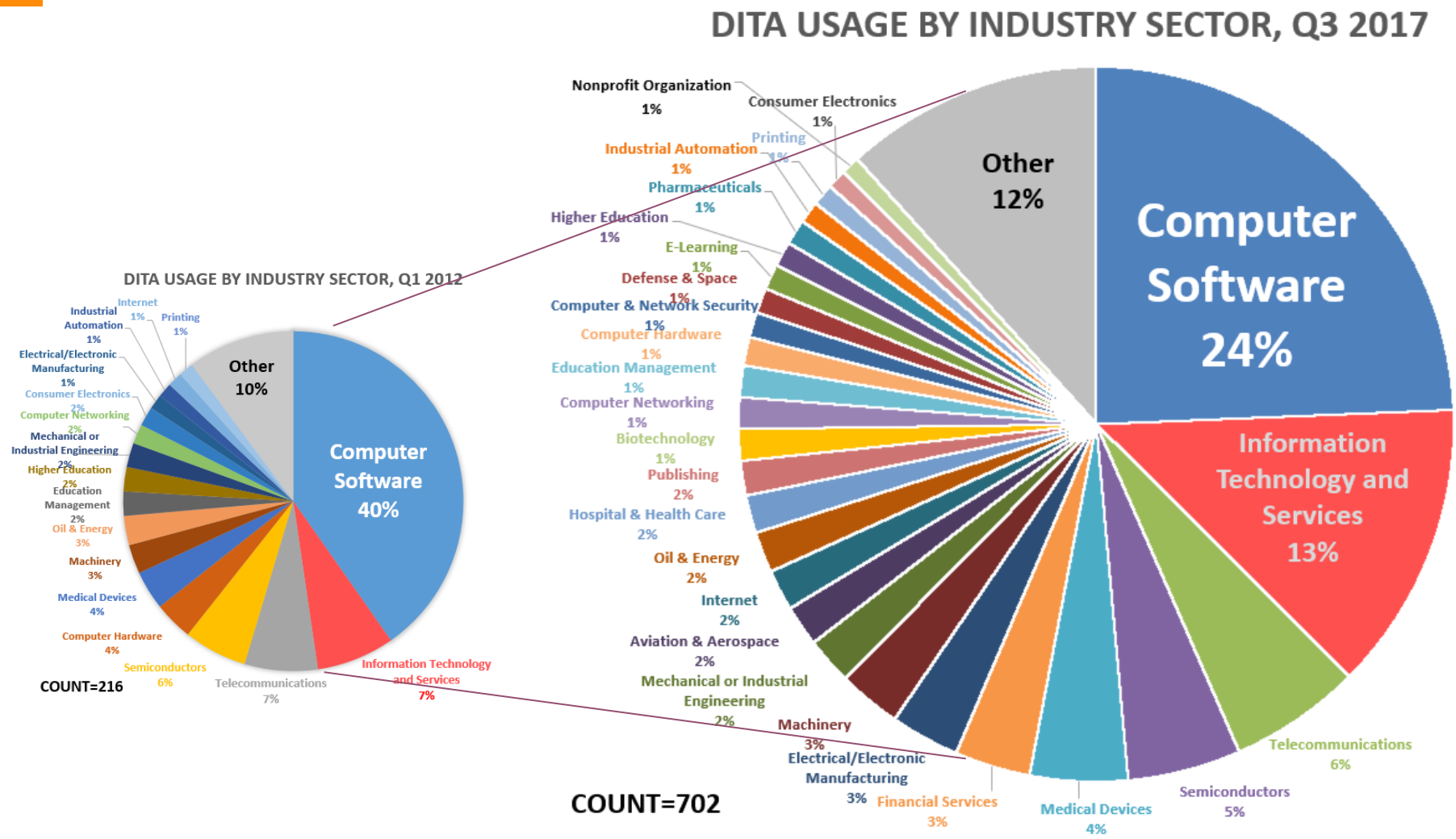
- I believe this is part of a shift of firms utilizing structured content (primarily via DITA)
  - It’s no longer *just* about delivering a manual

What Sectors are Using DITA?



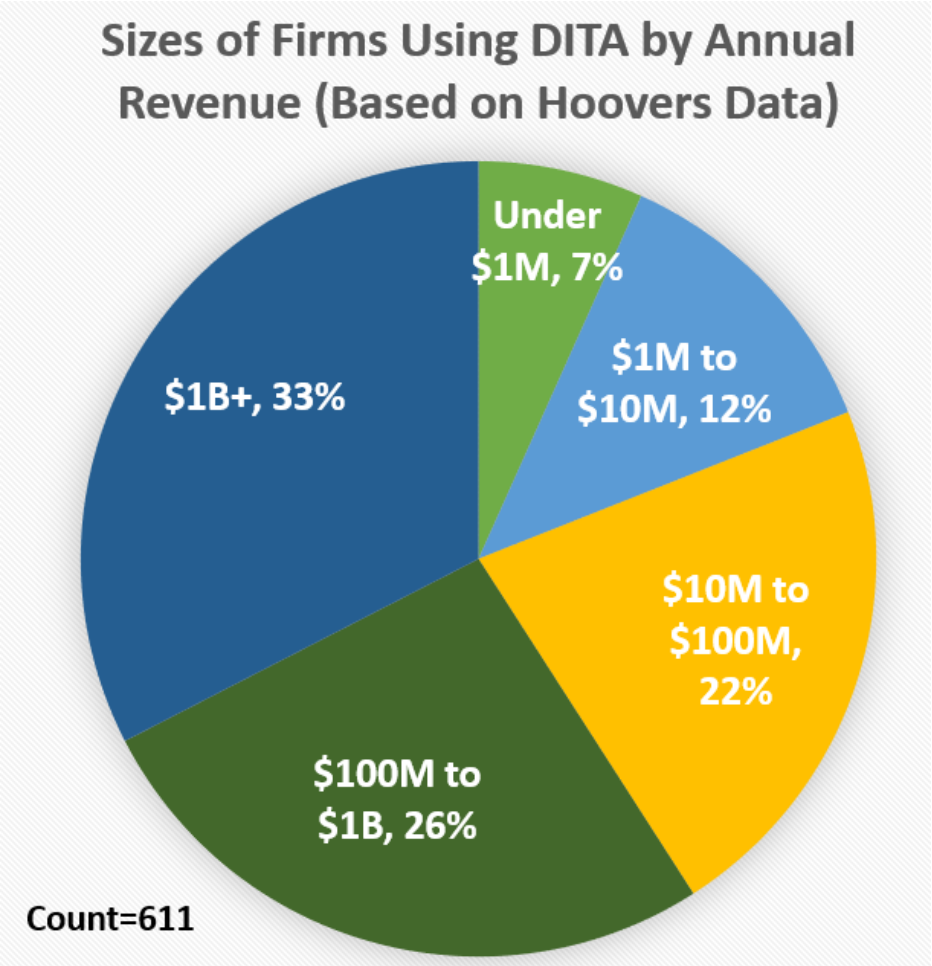
- Overall trend is that DITA adoption is firmly entrenched in tech-related sectors and is moving gradually into other sectors

Sector Growth Over Time



Mainly Large and Very Large Firms Using DITA

- This is not too surprising, since the larger the firm, the more cost-effective DITA is when it comes to such things as:
  - Reduced localization costs
  - More efficient content production
  - Good fit with Agile processes
  - Other purposes requiring structured content



DITA Usage in Some Sectors is Very High

***100%* of the top 10 software companies are using DITA.**

1. Microsoft
2. Oracle
3. IBM
4. SAP
5. Symantec
6. EMC
7. Hewlett-Packard
8. VMWare
9. CA Technologies
10. Salesforce.com

100%

Ranking data from Investopedia

At least 70% of the top 10 medical device firms globally are using DITA.

1. **Medtronic**
2. **Johnson & Johnson**
3. **GE Healthcare**
4. Fresenius (Medical Care)
5. **Philips (Healthcare)**
6. **Siemens (Healthineers)**
7. **Becton Dickinson (BD)**
8. Cardinal Health
9. **Stryker Medical**
10. Baxter International

70%

Top 10 info from Proclinical.com for 2016

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DITA Usage in Some Sectors is Very High (cont.)

At least **70%** of the top 20 semiconductor companies globally are using DITA.

1. **Intel**
2. **Samsung**
3. TSMC
4. **Broadcom**
5. **Qualcomm**
6. SK Hynix
7. TI
8. **Micron**
9. **Toshiba**
10. **NXP**
11. MediaTek
12. **Infineon**
13. **STMicro**
14. **Apple**
15. **Sony**
16. **Nvidia**
17. **Renesas**
18. **GlobalFoundaries**
19. ON Semi
20. UMC

Top 20 List from IC Insights for 2016

DITA Ubiquity?

- No, but increasingly it appears as though large firms increasingly appreciate what can be done with structured content, including:
  - Better differentiating their products
  - Search Engine Optimization considerations
  - Working with chatbots and related interactive technologies
  - More efficient topic/content production
  - Faster localization processes and time-to-market for content

How DITA is Made (and by Whom)

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The Role of the DITA Technical Committee

- The chief organizational body overseeing the development of the DITA standard within OASIS
- Chaired by Kris Eberlein
- Holds hour-long weekly meetings every Tuesday at 11AM EDT (5PM CEST)
- Members (which includes IXIASOFT) get a say + vote on new features/ developments
  - Non-members are invited to contribute ideas on the TC's email list

Current Voting Members of the DITA TC


Robert Anderson


Dr. Carsten Brennecke


Bill Burns


Stan Doherty


Kris Eberlein


Maria Essig


Dr. Carlos Evia


Mark Giffin


Richard Hamilton


Nancy Harrison


Alan Houser


Scott Hudson


Eliot Kimber


Tom Magliery


Chris Nitchie


Keith Schengili-Roberts


Eric Sirois


Dawn Stevens


Amber Swope


Bob Thomas

While there are many more actual members, these are the members who currently (as of last week) have voting status, which effectively means they attend/contribute regularly

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Lightweight DITA

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Lightweight DITA: Process

- Currently being defined by a subcommittee (SC) belonging to the main DITA TC
- Co-chaired by Professor Carlos Evia and Michael Priestley (IBM)
- Status: draft Committee Note is currently under review by TC members
  - Committee Note will outline LwDITA elements and attributes
  - This will be followed by a full specification
  - A second Committee Note is planned; will cover template-based specialization
- First Committee Note to be released soon

LwDITA Highlights

- Fewer tags and attributes than “full” DITA 1.3; designed to be a “simpler DITA experience”
- Designed to be compatible with DITA 1.3; valid LwDITA code is also valid DITA 1.3 code *
- DITA is no longer necessarily bound to XML
- Three different “flavours” available:
  - XML-based XDITA
  - HTML5-based HDITA
  - Markdown-based MDITA

* Exception for the moment is the multimedia domain; more on this shortly…

LwDITA Audiences / Scenarios

- **XDITA:** tech writers wanting reduced/simpler tagset, environments where there is interchange between XML + Markdown / HTML5
- **HDITA:** technical marketing, software developers, trainers, bloggers
- **MDITA:** software developers, “individuals authoring content quickly that must be later refactored as structured content”

LwDITA Comes with Greatly Reduced Complexity

Basic + Technical DITA 1.3 Elements

abbreviated-form
abbrevlist
abstract
addressdetails
administrativearea
alt
amendments
anchor
anchorid
anchorkey
anchorref
apiname
appendices
appendix
approved
area
attributedef
audience
author
authorinformation
b
backmatter
bibliolist
body
bodydiv
bookabstract
bookchangehistory
bookevent
bookeventtype
bookid
booklibrary
booklist
booklists
bookmap
bookmeta
booknumber
bookowner
bookpartno
bookrestriction
bookrights
booktitle
booktitlealt
boolean
brand
category
cause
change-completed
change-historylist
change-item
change-organization
change-person
change-request-id
change-request-reference
change-request-system
change-revisionid
change-started
change-summary
chapter
chdesc
chdeschd
chhead
choice
choices
choicetable
choption
choptionhd
chrow
cite
closereqs
cmd
cmdname
codeblock
codeph
coderef
colophon
colspec
completed
component
conbody
conbodydiv
concept
condition
consequence
contactnumber
contactnumbers
context
coords
copyrfirst
copyrholder
copyright
copyrlast
copyryear
country
created
critdates
data
data-about
day
dd
ddhd
dedication
defaultSubject
delim
desc
dita
ditavalmeta
ditavalref
div
dl
dlentry
dlhead
draft-comment
draftintro
dt
dthd
dvrKeyscopePrefix
dvrKeyscopeSuffix
dvrResourcePrefix
dvrResourceSuffix
edited
edition
elementdef
emailaddress
emailaddresses
entry
enumerationdef
equation-block
equation-figure
equation-inline
equation-number
esttime
example
exportanchors
featnum
fig
figgroup
figurelist
filepath
firstname
fn
foreign
fragment
fragref
frontmatter
generationidentifier
glossAbbreviation
glossAcronym
glossAlt
glossAlternateFor
glossarylist
glossBody
glossdef
glossentry
glossgroup
glossPartOfSpeech
glossProperty
glossref
glossScopeNote
glossShortForm
glossStatus
glossSurfaceForm
glossSymbol
glossSynonym
glossterm
glossUsage
groupchoice
groupcomp
groupseq
hasInstance
hasKind
hasNarrower
hasPart
hasRelated
hazardstatement
hazardsymbol
honorific
howtoavoid
i
image
imagemap
index-base
indexlist
index-see
index-see-also
index-sort-as
indexterm
indextermref
info
isbn
itemgroup
keydef
keyword
keywords
kwd
lastname
li
lines
line-through
link
linkinfo
linklist
linkpool
linktext
locality
localityname
longdescref
longquoteref
lq
mainbooktitle
maintainer
map
mapref
markupname
mathml
mathmlref
menucascade
messagepanel
metadata
middlename
month
msgblock
msgnum
msgph
namedetails
navref
navtitle
noconds
nosafety
nospares
nosupeq
nosupply
note
notices
no-topic-nesting
numcharref
object
ol
oper
option
organization
organizationinfo
organizationname
organizationnamedetails
otherinfo
othermeta
overline
p
param
parameterentity
parml
parmname
part
pd
permissions
perscat
perskill
person
personinfo
personname
personnel
ph
platform
plentry
postalcode
postreq
pre
preface
prelreqs
prereq
printlocation
prodinfo
prodname
prognum
prolog
propdesc
propdeschd
properties
property
prophead
proptype
proptypehd
propvalue
propvaluehd
pt
published
publisher
publisherinformation
publishtype
q
refbody
refbodydiv
reference
refsyn
related-links
relatedSubjects
relcell
relcolspec
relheader
relrow
reltable
remedy
repsep
reqcond
reqconds
reqcontp
reqpers
required-cleanup
resourceid
responsibleParty
result
reviewed
revised
revisionid
row
safecond
safety
schemeref
screen
searchtitle
section
sectiondiv
sep
series
shape
shortcut
shortdesc
simpletable
sl
sli
sort-as
source
spare
spares
sparesli
started
state
stentry
step
stepresult
steps
stepsection
steps-informal
steps-unordered
steptroubleshooting
stepxmp
sthead
strow
sub
subjectCell
subjectdef
subjectHead
subjectHeadMeta
subjectref
subjectRel
subjectRelHeader
subjectRelTable
subjectRole
subjectScheme
substep
substeps
summary
sup
supeqli
supequi
supequip
supplies
supply
supplyli
svg-container
svgref
synblk
synnote
synnoteref
synph
syntaxdiagram
systemoutput
table
tablelist
task
taskbody
tasktroubleshooting
tbody
term
tested
text
textentity
tgroup
thead
thoroughfare
title
titlealts
tm
toc
topic
topicapply
topicCell
topicgroup
topichead
topicmeta
topicref
topicset
topicsetref
topicsubject
topicSubjectHeader
topicSubjectRow
topicSubjectTable
trademarklist
troublebody
troubleshooting
troubleSolution
tt
tutorialinfo
typeofhazard
u
uicontrol
ul
unknown
url
urls
userinput
ux-window
var
varname
volume
vrm
vrmlist
wintitle
xmlatt
xmlelement
xmlnsname
xmlpi
xref
year

433 Elements

All LwDITA Elements

alt
body
b
data
dd
dlentry
dt
dl
desc
fig
fn
image
i
keydef
linktext
li
map
note
ol
p
navtitle
ph
pre
prolog
section
shortdesc
simpletable
stentry
sthead
strow
sub
sup
title
topic
topicmeta
topicref
u
ul
xref
audio
media-autoplay
media-controls
media-loop
media-muted
media-source
media-track
video
video-poster

48 Elements Total

MDITA Core and Extended

Two variations of MDITA: Core and Extended

- MDITA Core is based solely on GitHub-flavoured Markdown
  - Good for raw content exchange; little in the way of DITA features available
- MDITA Extended includes optional YAML-based header info, can also take HDITA (HTML-based) attributes and elements

Design Philosophy is Also Simplified

- Mixed content is not allowed. All text must be contained within ‹p›.
- No CALS table elements (‹table›, ‹row›, ‹entry›, etc.), just simple table
- No prolog metadata (everything is in ‹data›)
- No related links
- Only highlighting domain is available, and only a subset of it (‹b›, ‹i›, ‹u›, ‹sup›, ‹sub›)
- Only generic topic is available; there is no concept, reference, task, troubleshooting or glossentry topic types
- Only map is available; there is no bookmap
- Only @props is available for filtering values

```
<topic id="install-and-setup">
    <title>Installing and Setting up Remote Lighting</title>
    <shortdesc>Installation of your lighting kit includes
        installing the light bulbs into light fixtures,
        preparing the remote control, and programming lighting
        groups. </shortdesc>
    <prolog>
        <data name="author" value="Kevin Lewis"/>
    </prolog>
    <body>
        <section>
            <title>Steps</title>
            <ul>
                <li><p>Install light bulbs.</p></li>
                <li><p>Prepare remote control.</p></li>
                <li><p>Program lighting groups.</p></li>
            </ul>
        </section>
    </body>
</topic>
```

Sample LwDITA Topic Code (XDITA)

Equivalent HDITA and XDITA Examples

```
<!DOCTYPE html>
<html>
    <head>
        <title>Installing and Setting up Remote Lighting</title>
    </head>
    <body>
        <article id="install-and-setup">
            <h1>Installing and Setting up Remote Lighting</h1>
            <p>Installation of your lighting kit includes installing
                the light bulbs into light fixtures, preparing the
                remote control, and programming lighting groups.</p>
            <h2>Steps</h2>
            <ul>
                <li>
                    <p>Install light bulbs.</p>
                </li>
                <li>
                    <p>Prepare remote control.</p>
                </li>
                <li>
                    <p>Program lighting groups.</p>
                </li>
            </ul>
        </article>
    </body>
</html>
```

HDITA

```
# Installing and Setting up Remote Lighting
Installation of your lighting kit includes installing
the light bulbs into light fixtures, preparing the
remote control, and programming lighting groups.

## Steps
1. Install light bulbs.
2. Prepare remote control.
3. Program lighting groups.
```

MDITA (Core)

```
---
id: install-and-setup
author: Kevin Lewis
---

# Installing and Setting up Remote Lighting
Installation of your lighting kit includes installing
the light bulbs into light fixtures, preparing the remote
control, and programming lighting groups.

## Steps
1. Install light bulbs.
2. Prepare remote control.
3. Program lighting groups.
```

MDITA (Extended)

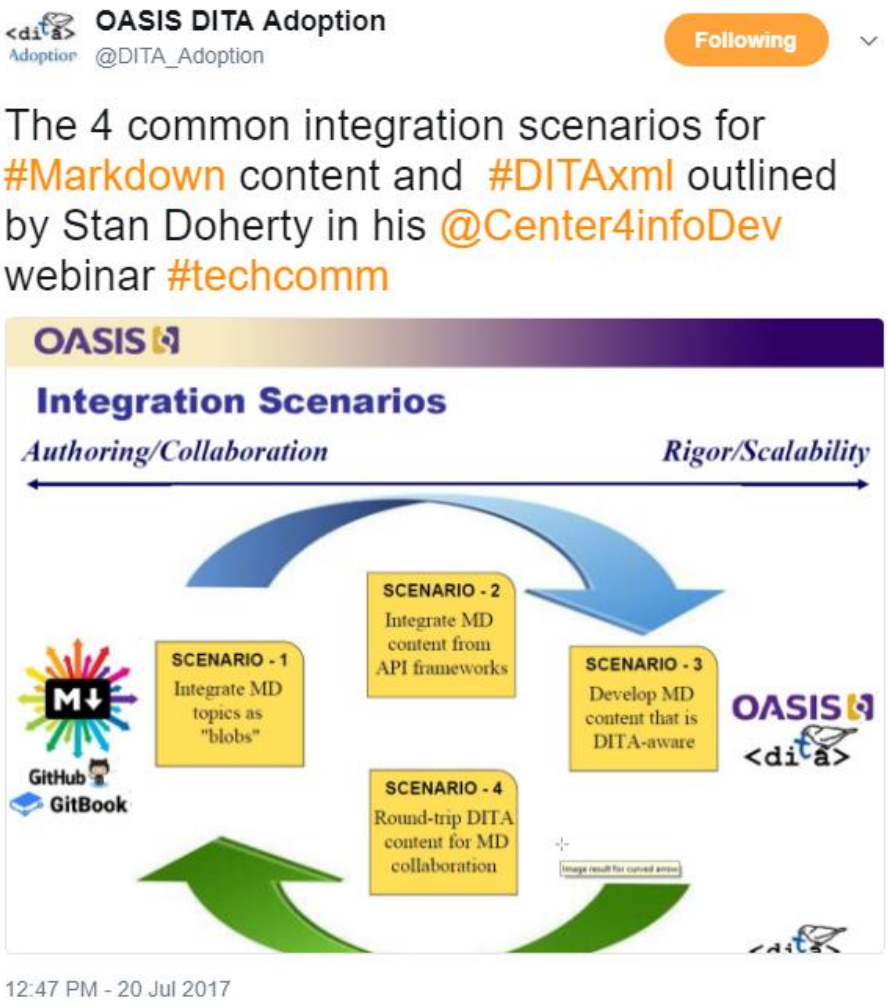
There Appears to Be an Immediate Need for MDITA

- Markdown is widely used by developers; taught in CS programs these days instead of XML
  - Software firms are most-likely target for using Markdown
- Markdown and DITA is already being used
  - We have had at least two customers approach us seeking Markdown to DITA integration
- Presentation I did with Leigh White at the DITA North America conference earlier this year had standing-room only attendance

Four *Current* Scenarios for Using Markdown and DITA

- Stan Doherty works at Simplivity, a computer hardware/software firm, recently acquired by HPE

1. Integrate Markdown topics as “blobs” (binary objects)
2. Integrate Markdown content from API frameworks
3. Development Markdown content that is DITA-aware
4. Round-trip DITA for Markdown collaboration



Markdown to DITA Conversion in oXygen

capabilities_and_advantages_NO HEADER.md | electrical_connections.md*

```
# Electrical Connections

Turn the [model_number] so that it faces away from you. Locate the port Door (1400083); it's at the righ

Place the [model_number] and Expansion Interface Hoods (14000217 and 14000214) on the Ribbon Cable Conne

Connect the DC Power Cord (DIN connector) to the POWER connector on the right rear of the [model_number]

The interconnect cable for an expansion module is provided with that unit. See Figure 4 for Hood Assembl

Connect the Cassette Recorder Cable (DIN plug on one end and three plugs on the other) to the Tape I/O c

Of the three plugs on the other end of the Cable:

1. Connect the black plug to the EAR jack on the side of the Cassette Recorder.
2. Connect the larger gray plug to the AUX jack.
3. Connect the smaller gray plug to the REM jack.

<p data-hd-class="note">A Dummy Plug is provided with your Cassette Recorder. Plug it in to the MIC jack

![Image](figure_4.png)

FIGURE 4. Front View—Interface Connections.

Connect the Cassette Recorder Jumper Cable to the center DIN connector on the rear of the Expansion Inte

Connect the Video Cable from the Video Display to the VIDEO connector on the right rear of the [model_nu

<p data-hd-class="note">Your Cassette Recorders may be powered by batteries or from a 120 VAC source. Th

The [model_number] Expansion Interface has been designed to support the Video Display module. Set the fe
```

Electrical Connections

Turn the [model_number] so that it faces away from you. Locate the port Door (1400083); it's at the right end of the rear panel. To remove the Door, raise it up and slide it to the right—then lift it up and away from the [model_number].

Place the [model_number] and Expansion Interface Hoods (14000217 and 14000214) on the Ribbon Cable Connectors as shown in Figure 4. The Hoods replace the Door on the [model_number] and fill the opening on the Expansion Interface. These Hoods are designed so that it is not possible to insert the connectors upside down. They function as keyways for the connectors. Now connect the Ribbon Cable between the left front Expansion Interface port and the [model_number] port.

Connect the DC Power Cord (DIN connector) to the POWER connector on the right rear of the [model_number] and connect both AC Power Cords to standard 120 VAC outlets.

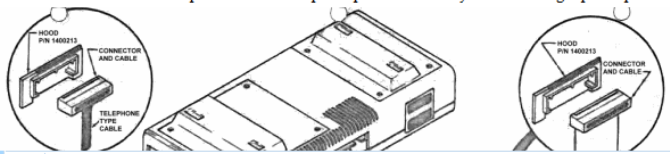
The interconnect cable for an expansion module is provided with that unit. See Figure 4 for Hood Assembly and Installation.

Connect the Cassette Recorder Cable (DIN plug on one end and three plugs on the other) to the Tape I/O connector that is located on the rear of the Expansion Interface nearest the Power Cord exits.

Of the three plugs on the other end of the Cable:

1. Connect the black plug to the EAR jack on the side of the Cassette Recorder.
2. Connect the larger gray plug to the AUX jack.
3. Connect the smaller gray plug to the REM jack.

A Dummy Plug is provided with your Cassette Recorder. Plug it in to the MIC jack. This Plug disconnects the built-in microphone so it won't pick up sounds while you are loading tapes.



DITA | HTML

- Open a Markdown file in oXygen, it is converted automatically to DITA and HTML
- Includes “Export to DITA” right-click function

Newly-available LwDITA Plugin for DITA OT 2.2

- Developed by Jarno Elovirta, available at: github.com/jelovirt/dita-ot-markdown
- Designed to work with HDITA and MDITA

Lightweight DITA for DITA-OT

DITA-OT LwDITA plug-in contains

- a custom parser for Markdown and HTML to allow using MDITA and HDITA as a source document format,
- and a transtype to generate Markdown from DITA source.

The Markdown DITA files need to use a subset of Markdown constructs for compatibility with DITA content models.

Usage

Using LwDITA files as input

Markdown DITA or HTML DITA topics can only be used by linking to them in map files.

```
<map>
  <topicref href="test.md" format="mdita"/>
  <topicref href="test.html" format="hdita"/>
</map>
```

The `format` attribute value must be set to `mdita` or `hdita` in order to recognize files as Markdown DITA or HTML DITA, respectively; the file extension is not used to recognize format.

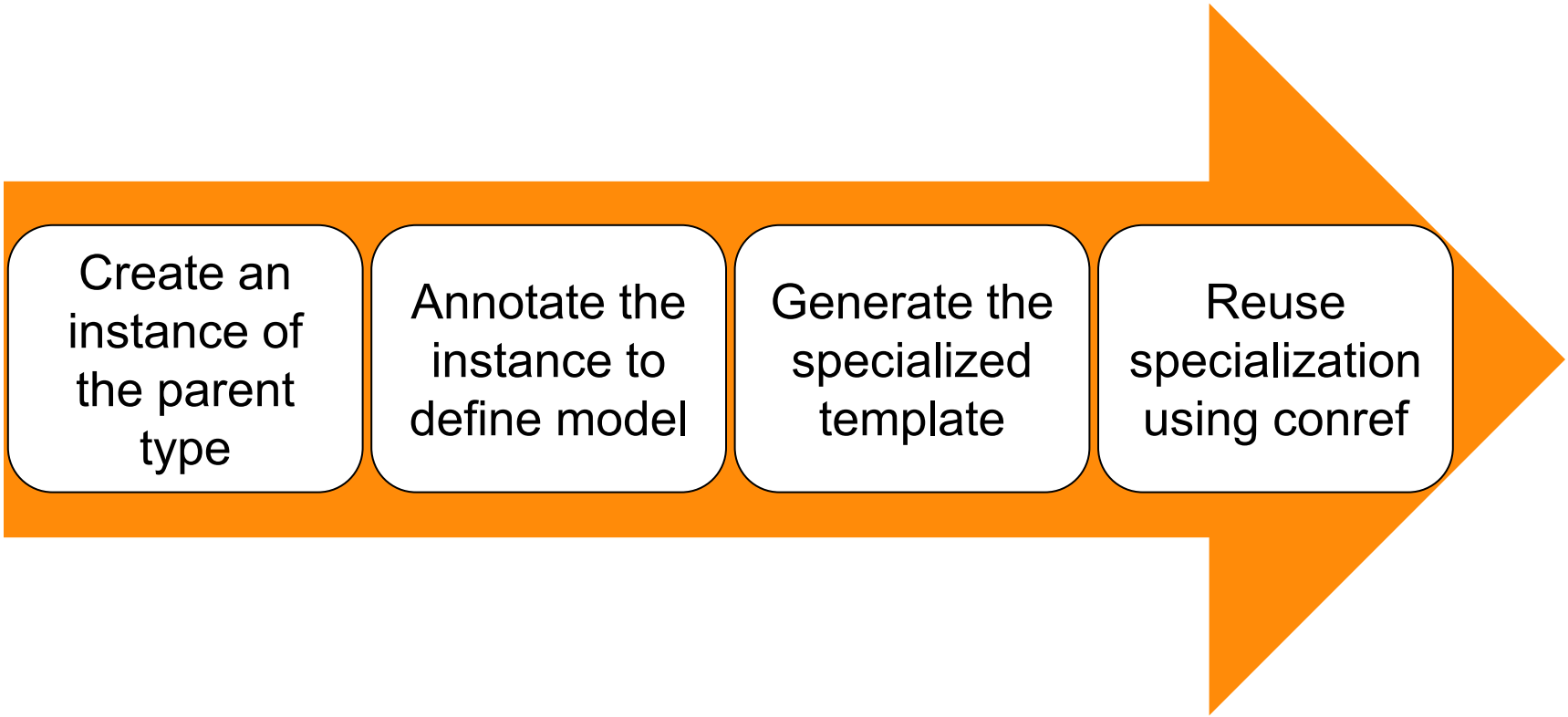
See Syntax reference for XML and Markdown DITA correspondence.

Generating Markdown output

The DITA-OT LwDITA plug-in extends the DITA Open Toolkit with additional output formats *(transformation types)* that can be used to publish DITA content as Markdown.

- To publish Markdown DITA files, use the `markdown` transtype.
- To generate GitHub Flavored Markdown files, use the `markdown_github` transtype.
- To publish GitHub Flavored Markdown and generate a `SUMMARY.md` table of contents file for publication via GitBook, use the `markdown_gitbook` transtype.

Still to Come: LwDITA Template-based Specialization



- Draft model outlined at: markmail.org/message/pd4u5kfg44xp5x5c

How This Would Work

- New/repurposed set of elements and attributes designed for creating specializations:
  - specmeta: contains any number of ph, data, or specatt elements
  - specatt: contains text describing that portion of the specialization
  - @specmodel: determines whether a content model is sequence, choice or inherited (default)
  - @specrole: whether an element's content should be generated by the transform, editable by the author (default), an editor prompt, documentation, or used for content modeling purposes only (or a mix of any the above)
  - @outputclass: provides the element-specific class value for the specialized element

Draft Example Specialization Template Code

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE topic PUBLIC "-//OASIS//DTD DITA Topic//EN" "topic.dtd">
<topic id="termdef_term" outputclass="tlotermtopic">
    <title outputclass="tloterm">Structured Content</title>
    <prolog outputclass="tlotermprolog">
        <data outputclass="tlotermauthor" specrole="prompt">author name
            here</data>
        <specmeta>
            <ph outputclass="tlophrase" specrole="doc">A new global phrase element</p>
                <data outputclass="tlodata" specmodel="choice"
                    specrole="modelonly">Simple text only for this global data specialization,
                    but with a different specmodel you could do anything</data>
                <specatt outputclass="tloatt" specrole="doc">A conditional
                    processing attribute called tloatt</specatt>
                <body outputclass="tlotermbody" specmodel="sequence">
                    <section outputclass="tlowhat">
                        <title specrole="generate">What is it?</title>
                        <p>...</p></section>
                    <section outputclass="tlowhy">
                        <title specrole="generate">Why is it
                            important?</title>
                        <p>...</p></section>
                    <section outputclass="tloessay">
                        <title specrole="generate">Why does a technical
                            writer need to know this?</title>
                        <p>...</p></section>
                    <section outputclass="tlosummary"
                        collection-type="sequence">
                        <title specrole="generate">Summary:</title>
                        <p>...</p></section>
                    <section conref="task-spec.dita/task-def/postreqs"/>
                </body>
</topic>
```

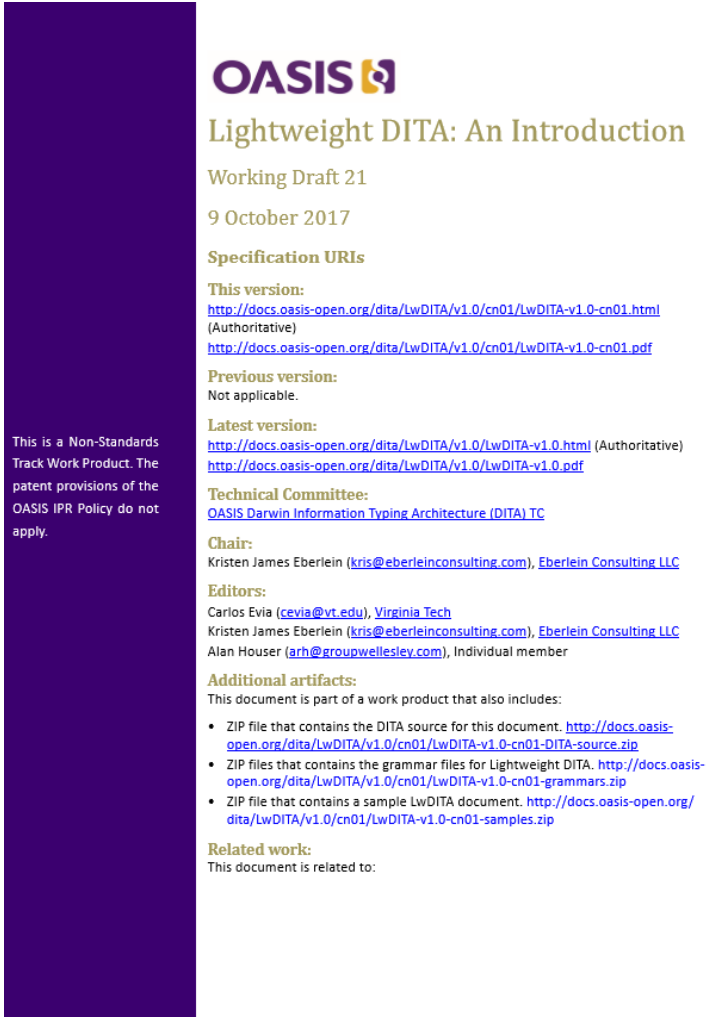
Creates

```
<tlotermtopic id="termdef_term">
    <tloterm>Structured Content</tloterm>
    <tlotermprolog>
        <tlotermauthor>Don Day</tlotermauthor>
    </tlotermprolog>
    <tlotermbody>
        <tlowhat><p>...</p></tlowhat>
        <tlowhy><p>...</p></tlowhy>
        <tloessay><p>...</p></tloessay>
        <tlosummary><p>...</p></tlosummary>
        <postreqs><p>...</p></postreqs>
    </tlotermbody>
</tlotermtopic>
```

- Draft code example created by Don Day

A Pre-release Version of the CN is Available *Now*

- All actions from OASIS are open and visible to the public, so you can view the latest draft of the Committee Note (v.21) at: www.oasis-open.org/committees/document.php?document_id=61809 (or: goo.gl/7Y3E67)
- A separate CN is planned to cover template-based specialization



This is a Non-Standards Track Work Product. The patent provisions of the OASIS IPR Policy do not apply.

OASIS

Lightweight DITA: An Introduction

Working Draft 21

9 October 2017

Specification URIs

This version:
http://docs.oasis-open.org/dita/LwDITA/v1.0/cn01/LwDITA-v1.0-cn01.html (Authoritative)
http://docs.oasis-open.org/dita/LwDITA/v1.0/cn01/LwDITA-v1.0-cn01.pdf

Previous version:
Not applicable.

Latest version:
http://docs.oasis-open.org/dita/LwDITA/v1.0/LwDITA-v1.0.html (Authoritative)
http://docs.oasis-open.org/dita/LwDITA/v1.0/LwDITA-v1.0.pdf

Technical Committee:
OASIS Darwin Information Typing Architecture (DITA) TC

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Editors:
Carlos Evia (cevia@vt.edu), Virginia Tech
Kristen James Eberlein (kris@eberleinconsulting.com), Eberlein Consulting LLC
Alan Houser (arh@groupwellesley.com), Individual member

Additional artifacts:
This document is part of a work product that also includes:

- ZIP file that contains the DITA source for this document. http://docs.oasis-open.org/dita/LwDITA/v1.0/cn01/LwDITA-v1.0-cn01-DITA-source.zip
- ZIP files that contains the grammar files for Lightweight DITA. http://docs.oasis-open.org/dita/LwDITA/v1.0/cn01/LwDITA-v1.0-cn01-grammars.zip
- ZIP file that contains a sample LwDITA document. http://docs.oasis-open.org/dita/LwDITA/v1.0/cn01/LwDITA-v1.0-cn01-samples.zip

Related work:
This document is related to:

Multimedia Additions to DITA 1.3

- Intention is to make available HTML5's multimedia extensions to DITA
- Originally this was part of LwDITA proposal, DITA TC then realized that this was a serious oversight and ought to have been in DITA 1.3

- Plan is to incorporate this within DITA 1.3 as an add-on rather than wait for DITA 2.0
  - Will be released as a Committee Note, along with DTDs
  - This will also likely to be released before year's end

HTML5 Multimedia Elements

Component	XDITA	HDITA
Audio	`<audio>`	`<audio>`
Autoplay	`<media-autoplay>`	`@autoplay` in `<audio>` or `<video>`
Controls	`<media-controls>`	`@controls` in `<audio>` or `<video>`
Loop	`<media-loop>`	`@loop` in `<audio>` or `<video>`
Muted	`<media-muted>`	`@muted` in `<audio>` or `<video>`
Poster	`<video-poster>`	`@poster` in `<video>`
Source	`<media-source>`	`<source>`
Track	`<media-track>`	`@track` in `<audio>` or `<video>`
Video	`<video>`	`<video>`

- These are designed to match equivalent HTML5 elements

DITA 2.0

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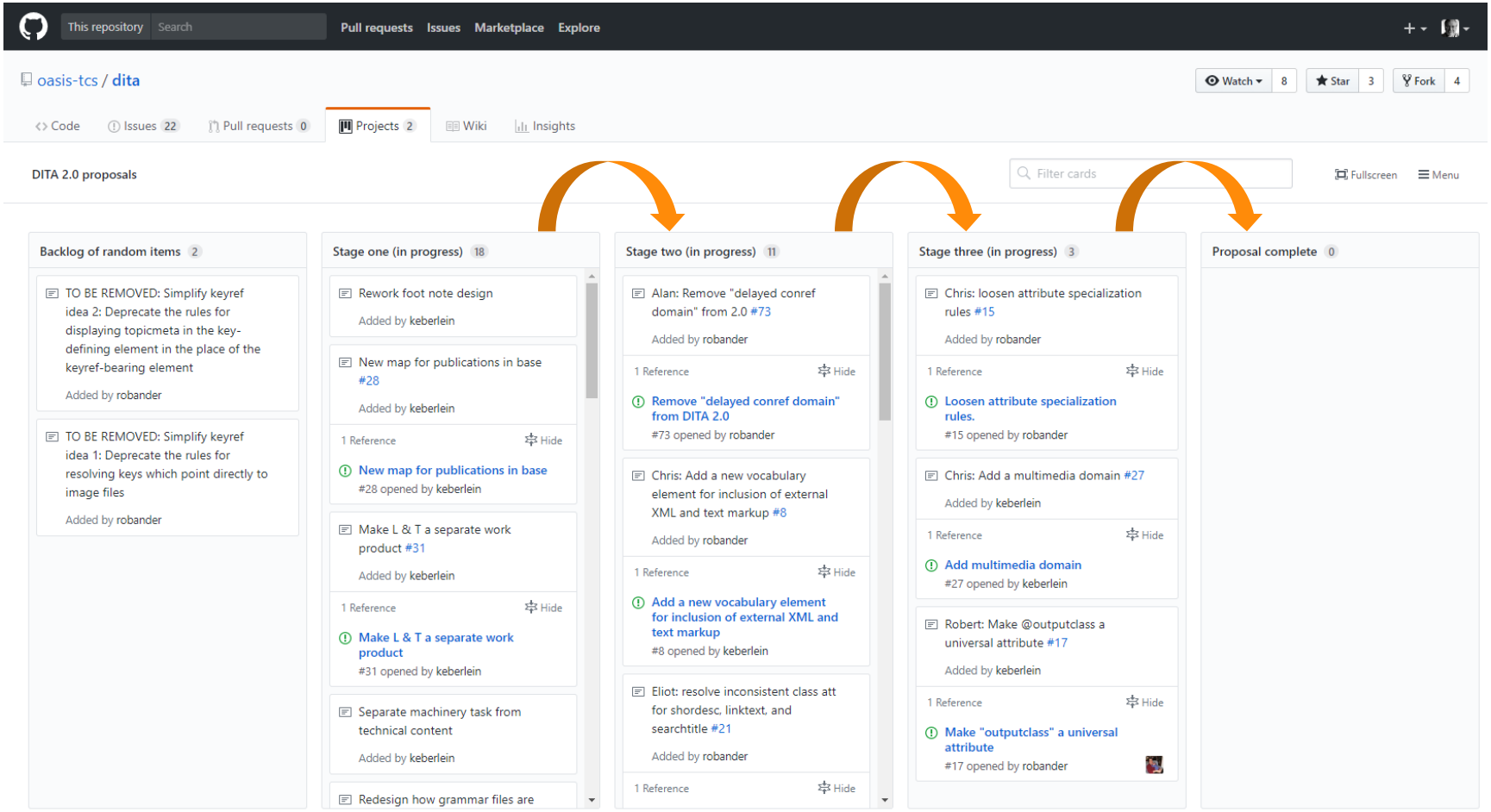
Ongoing Work: Errata for DITA 1.3

- An important step before moving fully to DITA 2.0
- **Goal:** fix descriptive errors, incorrect example code and typos in DITA 1.3 standard
- Started immediately after release of standard, still ongoing
- Released first corrected version of DITA 1.3 in Oct 2016
- Second errata should be out before end of this year
  - All changes must be non-substantive (i.e. the changes cannot fundamentally change how the standard works), and the fixes/improvements to sample code can only help

DITA 2.0

- Very much a work-in-progress within DITA TC
- So far, is less about new features than deprecating/removing little-used features
- Not likely to be released anytime soon; 2019-2020 is a good guess
  - Sooner if DITA TC sticks to conservative agenda and wholly new features are few; though this runs the risk of it becoming “DITA 1.3 Lite”

DITA 2.0 Triage Process



- github.com/oasis-tcs/dita/projects/2

Current DITA 2.0 Proposals Include:

- Separate L&T from “main” DITA
- Make @outputclass a universal attribute
- Remove topicset, topicsetref elements
- Deprecate or remove copy-to attribute
- Remove @xtrf and @xtrc
- Add titlealts element to maps
- Split base and technical content
- Deprecate note type="fastpath“
- Change name of @locktitle to something less ambiguous, and change default to "yes“
- Redesign hazard statement domain
- Modify bookmap design to allow <ditavalref> before front matter, as well as a <keydefs> container to hold key definitions (“publicationmap”)

Potential Future Challenges DITA 2.0 May Face

Following is based on possible changes in the industry:

- New content or structure needed to support chatbot content
- Make map content interactive (using an if … then structure)
- Support to help generate Schema.org SEO metadata
- Support for Intelligent Information Request and Delivery Standard (iiRDS)
- Other industry 4.0 considerations

In Summary

- LwDITA coming soon, possible development and marketing angles for new markets
  - Easy DITA development for tech doc teams with XDITA, marketing departments with HDITA, software development with MDITA
  - Markdown + MDITA is getting the most interest from users
- DITA 1.3 Multimedia elements also coming soon
- DITA 2.0 is very much under development

- If you want to participate in the future of DITA, join OASIS!

QA

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