

Mylyn Docs

...and how it can be a powerful tool



eclipsecon Europe

Ludwigsburg, Germany, 3 - 5 November 2015

About me

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- * Consultant & Senior Software Developer at Itema AS
- * Committer at Mylyn Docs, Mylyn Builds and Orbit
- * Helps out at the Eclipse Science Working Group

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THE HISTORY OF...
GETTING CODERS TO DOCUMENT



WHY THE WIKI WAS INVENTED

About the project

"The scope of the Mylyn Docs project is Eclipse-based access to documentation systems such as Wikis and other portals."

- Started from Mylyn WikiText component in August 2008
- 18 contributors and committers
- 137k lines of code

Components

→ WikiText

→ Wikitext Editor

→ ANT and Maven tasks

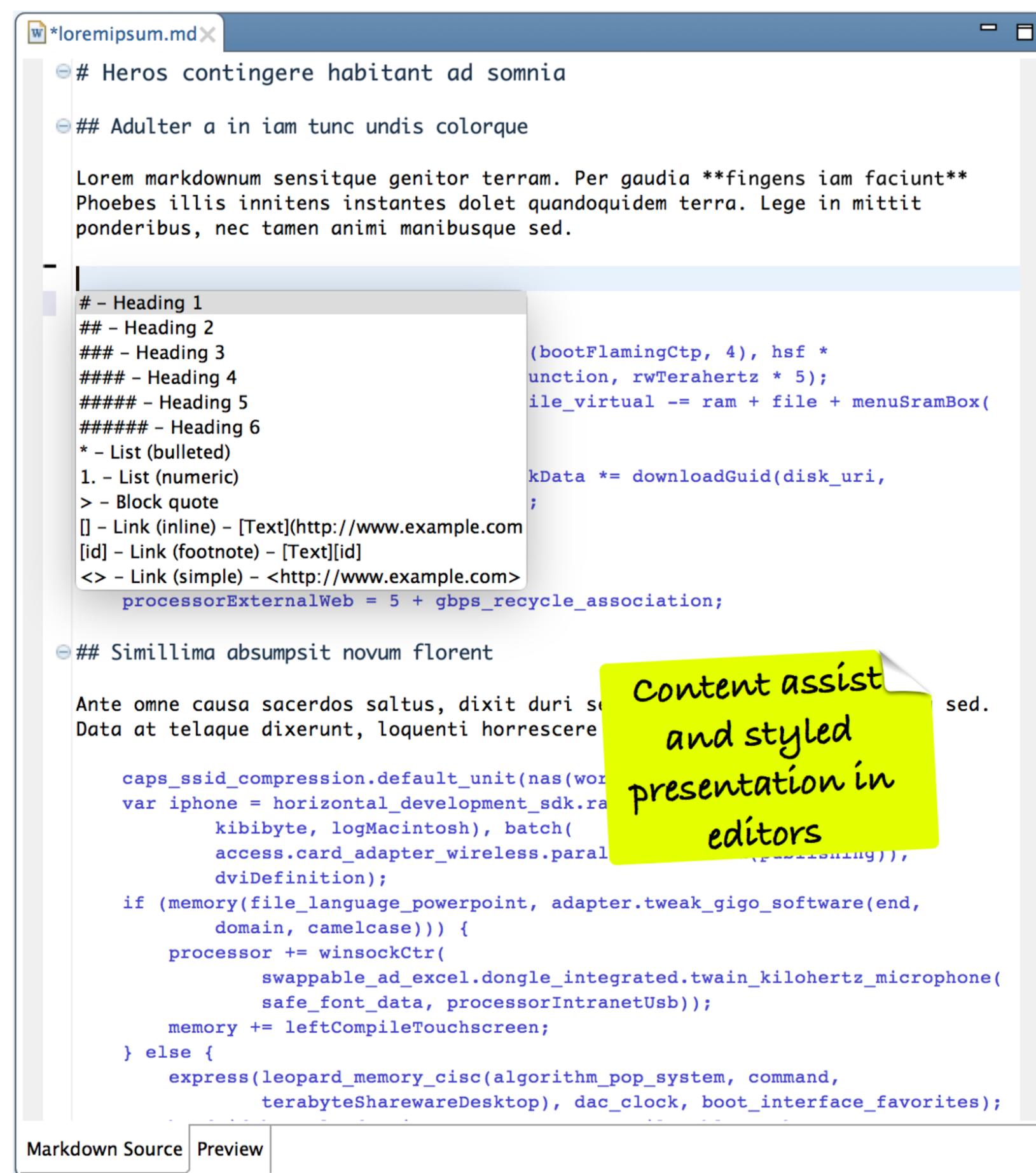
→ Extensible Java API

→ EPUB

→ Ant task (Maven in the works)

→ Wizard for WikiText to EPUB

→ Java API



```
*lore ipsum.md X
# Heros contingere habitant ad somnia

## Adulter a in iam tunc undis colorque

Lorem markdownum sensitque genitor terram. Per gaudia **fingens iam faciunt**
Phoebes illis innitens instantes dolet quandoquidem terra. Lege in mittit
ponderibus, nec tamen animi manibusque sed.

# - Heading 1
## - Heading 2
### - Heading 3
#### - Heading 4
##### - Heading 5
##### - Heading 6
* - List (bulleted)
1. - List (numeric)
> - Block quote
[] - Link (inline) - [Text](http://www.example.com)
[id] - Link (footnote) - [Text][id]
<> - Link (simple) - <http://www.example.com>

processorExternalWeb = 5 + gbps_recycle_association;

## Simillima absumpsit novum florent

Ante omne causa sacerdos saltus, dixit duri se sed.
Data at telaque dixerunt, loquenti horrescere

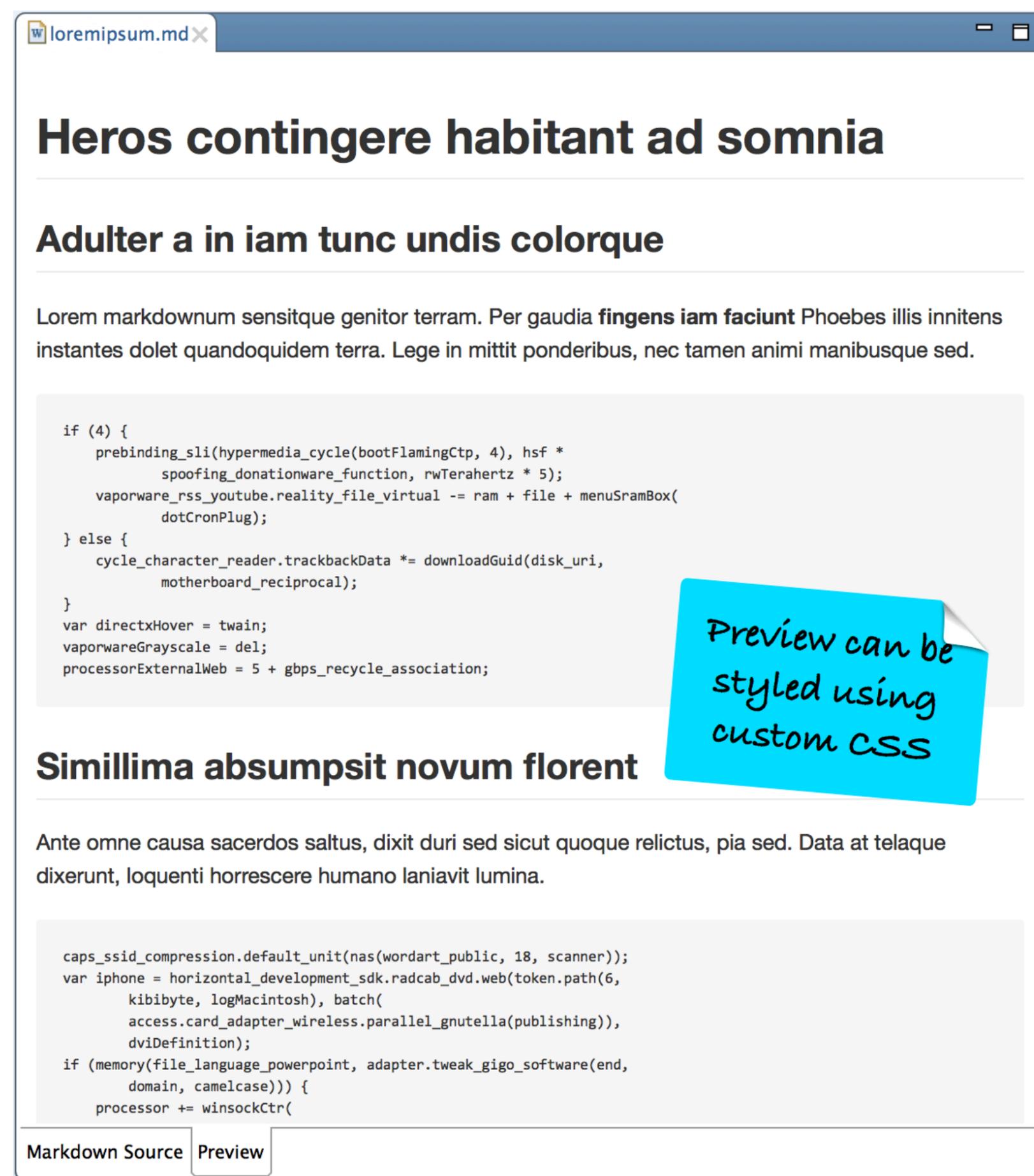
caps_ssid_compression.default_unit(nas(word),
var iphone = horizontal_development_sdk.ra
kibibyte, logMacintosh), batch(
access.card_adapter_wireless.parallel_processing));
dviDefinition);
if (memory(file_language_powerpoint, adapter.tweak_gigo_software(end,
domain, camelcase))) {
processor += winsockCtr(
swappable_ad_excel.dongle_integrated.twain_kilohertz_microphone(
safe_font_data, processorIntranetUsb));
memory += leftCompileTouchscreen;
} else {
express(leopard_memory_cisc(algorithm_pop_system, command,
terabyteSharewareDesktop), dac_clock, boot_interface_favorites);
```

Content assist
and styled
presentation in
editors

Markdown Source Preview

Supported dialects

- Confluence
- Mediawiki
- Textile
- Commonmark
- Markdown
- TracWiki
- TWiki



The screenshot shows a web browser window with a tab titled 'loremipsum.md'. The main content area displays a document with the following structure:

Heros contingere habitant ad somnia

Adulter a in iam tunc undis colorque

Lorem markdownum sensitque genitor terram. Per gaudia **fingens iam faciunt** Phoebes illis innitens instantes dolet quandoquidem terra. Lege in mittit ponderibus, nec tamen animi manibusque sed.

```
if (4) {
    prebinding_sli(hypermedia_cycle(bootFlamingCtp, 4), hsf *
        spoofing_donationware_function, rwTerahertz * 5);
    vaporware_rss_youtube.reality_file_virtual -= ram + file + menuSramBox(
        dotCronPlug);
} else {
    cycle_character_reader.trackbackData *= downloadGuid(disk_uri,
        motherboard_reciprocal);
}
var directxHover = twain;
vaporwareGrayscale = del;
processorExternalWeb = 5 + gbps_recycle_association;
```

Simillima absumpsit novum florent

Ante omne causa sacerdos saltus, dixit duri sed sicut quoque relictus, pia sed. Data at telaque dixerunt, loquenti horrescere humano laniavit lumina.

```
caps_ssid_compression.default_unit(nas(wordart_public, 18, scanner));
var iphone = horizontal_development_sdk.radcab_dvd.web(token.path(6,
    kibibyte, logMacintosh), batch(
    access.card_adapter_wireless.parallel_gnutella(publishing)),
    dviDefinition);
if (memory(file_language_powerpoint, adapter.tweak_gigo_software(end,
    domain, camelcase))) {
    processor += winsockCtr(
```

At the bottom of the window, there are two buttons: 'Markdown Source' and 'Preview'. The 'Preview' button is currently selected.

A blue sticky note on the right side of the code editor contains the text: "Preview can be styled using custom CSS".

Why use Mylyn Docs?

“First of all thank you HUGELY for WikiText. I’ve used it to create documentation to go along with the software I’m sending to the ISS for astronauts to use. Very cool.”

— *Tamar Cohen, NASA, June 2012*

Using Mylyn Docs

The Java API

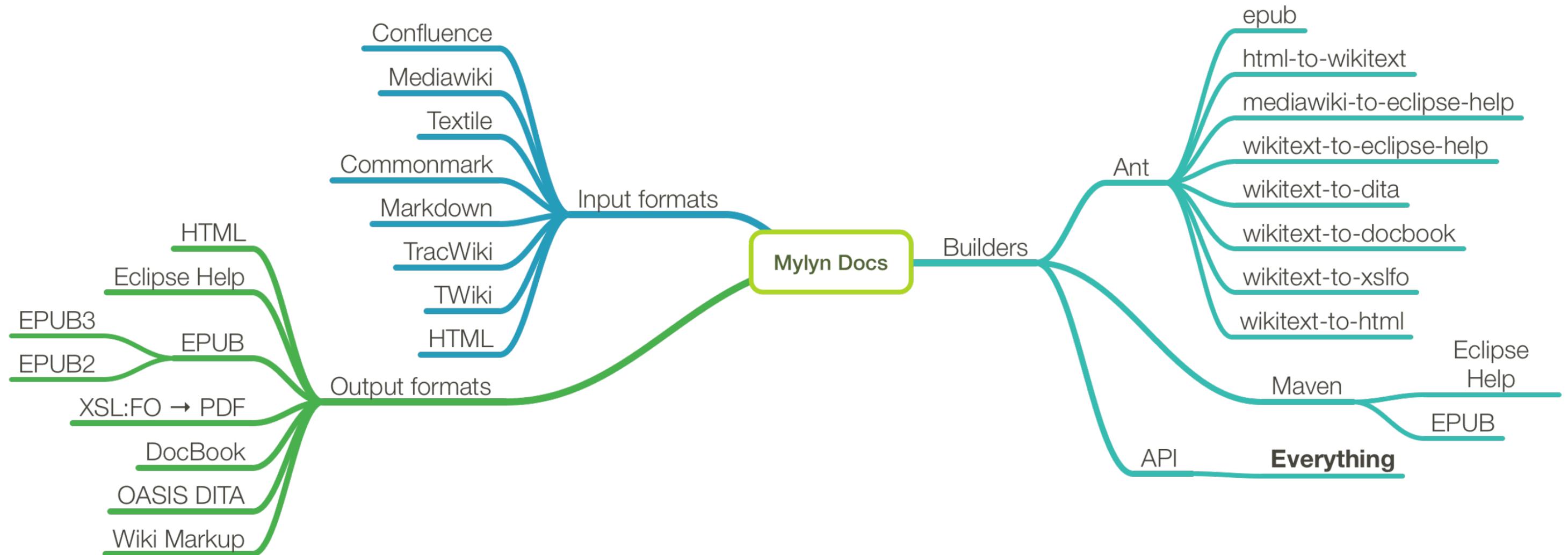
As a user I want to read my documentation in PDF and EPUB

- Use Mylyn Docs to generate all formats
 - Convert from Markdown to HTML and assemble EPUB
 - And I want my equations to look good!
 - Convert from Markdown to XSL:FO and generate PDF
 - Add a cover page
 - Generate table of contents

As a developer I want to read all my coding books with pretty formatting

- The coding book I just bought has bad formatting and I find it hard to read.
- Use Mylyn Docs tools to unpack the book
 - Add an improved CSS file
 - Modify the source code listings
 - Add a new page
 - Copy modified book to iPad and smile! 😊

Summary





eclipsecon Europe

Ludwigsburg, Germany, 3 - 5 November 2015

Evaluate the sessions at www.eclipsecon.org

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See: [https://github.com/turenheim/
mylyn-docs-examples](https://github.com/turenheim/mylyn-docs-examples)