Using Open Source Plugins to Enhance DITA Publishing

Radu Coravu
radu_coravu@oxygenxml.com
@radu_coravu

syncro soft

® XML Editor

About the Author

Technical Writers

Feedback (questions, problems, improvement requests)

Me

Improve Oxygen XML Editor

Improve product documentation

Blogs/Presentations

Open Source Projects
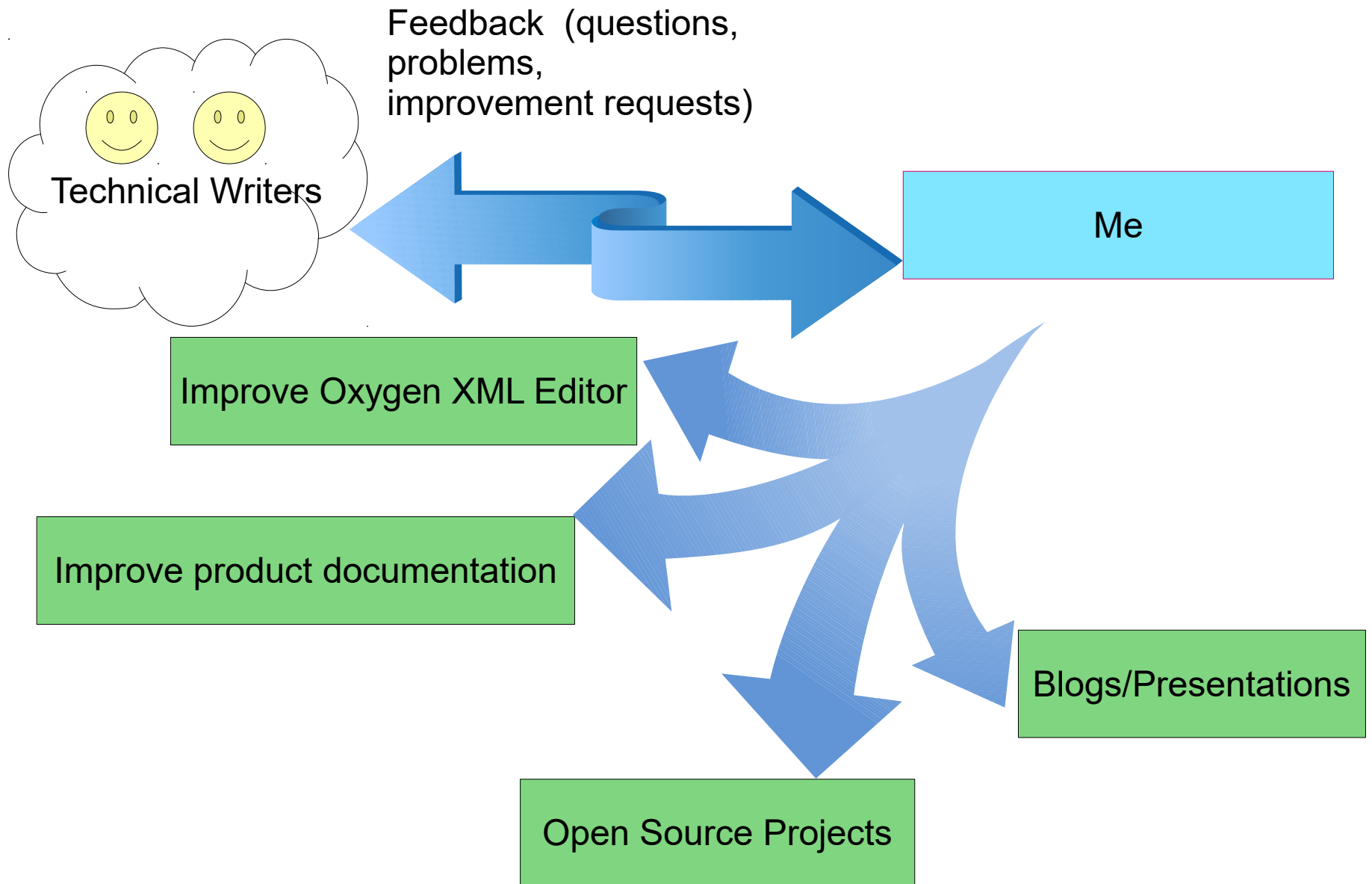
DITA Open Toolkit - DITA Publishing Engine

https://www.dita-ot.org/

- Open source, free to use

- Supported by a small but friendly team of volunteers: https://www.dita-ot.org/who_we_are

- Out of the box support for lots of HTML and PDF based outputs.

- Extendable, allows adding plugins to enhance publishing.

DITA Open Toolkit Day

https://www.oxygenxml.com/events/2019/dita-ot_day.html

Brussels, Belgium, on November 7-8, 2019

All Open Source Publishing Plugins in Oxygen XML GitHub Organization

https://github.com/search?q=topic%3Adita-ot-plugin+org%3Aoxygenxml&type=Repositories

- Open source, free to use.

Embed Video/Audio content in DITA topics

https://github.com/oxygenxml/dita-media-support

- Embed links to video, audio files and YouTube/Vimeo videos.

Embed HTML Content in DITA Topics

https://github.com/oxygenxml/dita-embed-html

- Embed small HTML fragments in DITA topics.

Embed Latex Equations in DITA Topics

https://github.com/oxygenxml/dita-latex

- Embed and publish Latex images to HTML based and PDF outputs.

Excel to DITA Tables Dynamic Conversion

https://github.com/oxygenxml/dita-excel

- Auto convert referenced Excel spreadsheets to DITA tables.

Generate Graphs From DITA Tables

https://github.com/oxygenxml/dita-table-svg

- Dynamically generate graphs in HTML or PDF outputs based on DITA tables.

Float Images In Paragraphs

https://github.com/oxygenxml/dita-image-float

- Allow paragraph content to wrap around images.

PDF (XSL-FO based) Output Customizations

- Various PDF customizations we used in Oxygen User's Manual:

  https://github.com/oxygenxml/com.oxygenxml.pdf2.ug

- Add numbers before topic titles:

  https://github.com/oxygenxml/dita-ot-numbering

- Specify landscape orientation for certain chapters:

  https://github.com/oxygenxml/dita-classic-pdf-landscape-sample

Show Change Tracking Insertions/Deletions/Comments in PDF

https://github.com/oxygenxml/dita-classic-pdf-review

- Presents change tracking (insertions, deletions and comments) as footnotes in the PDF output.

Create PDF using CSS

https://github.com/oxygenxml/dita-ot-css-pdf

- Use CSS to style the DITA content and publish to PDF.

Add Links to Online Editing Tools in HTML and PDF outputs

https://github.com/oxygenxml/dita-reviewer-links

- Allow reviewers to give feedback directly on DITA content by following a link.

Export your DITA Content to a Single Merged File

https://github.com/oxygenxml/dita-merged

- Create your own statistics.

- Gather some necessary content.

- Export content to some other format.

Export your DITA Content to a ZIP File

https://github.com/oxygenxml/dita-export-map

- Create the Zip necessary for translators.

- Apply filters when obtaining the Zip.

Obtaining Metrics for a DITA Project

https://github.com/oxygenxml/dita-ot-metrics

- Number of topics and maps.

- Content reuse statistics.

- Used elements and attributes.

- Word count and text related statistics.

- External links.

Metrics Evolution Between Versions

- Fluctuations in number of topics and maps.
- Fluctuations in content reuse.

Useful Publishing Plugins in the DITA OT Registry

https://www.dita-ot.org/plugins

- DITA to Word

- DITA to Audio Books

- DITA to Web Slides

- DITA to Morse Code

………………

Other Plugin Ideas:

- Dynamic ASCIIDoc to DITA conversions

- Dynamic JSON to DITA content conversions

- Dynamic source code to DITA documentation conversions

  …………………

Conclusion

Custom publishing plugins can:

- Add new output formats

- Customize existing output formats

- Dynamically convert content to DITA

Thank You!

Questions?

Radu Coravu
radu_coravu@oxygenxml.com
@radu_coravu