

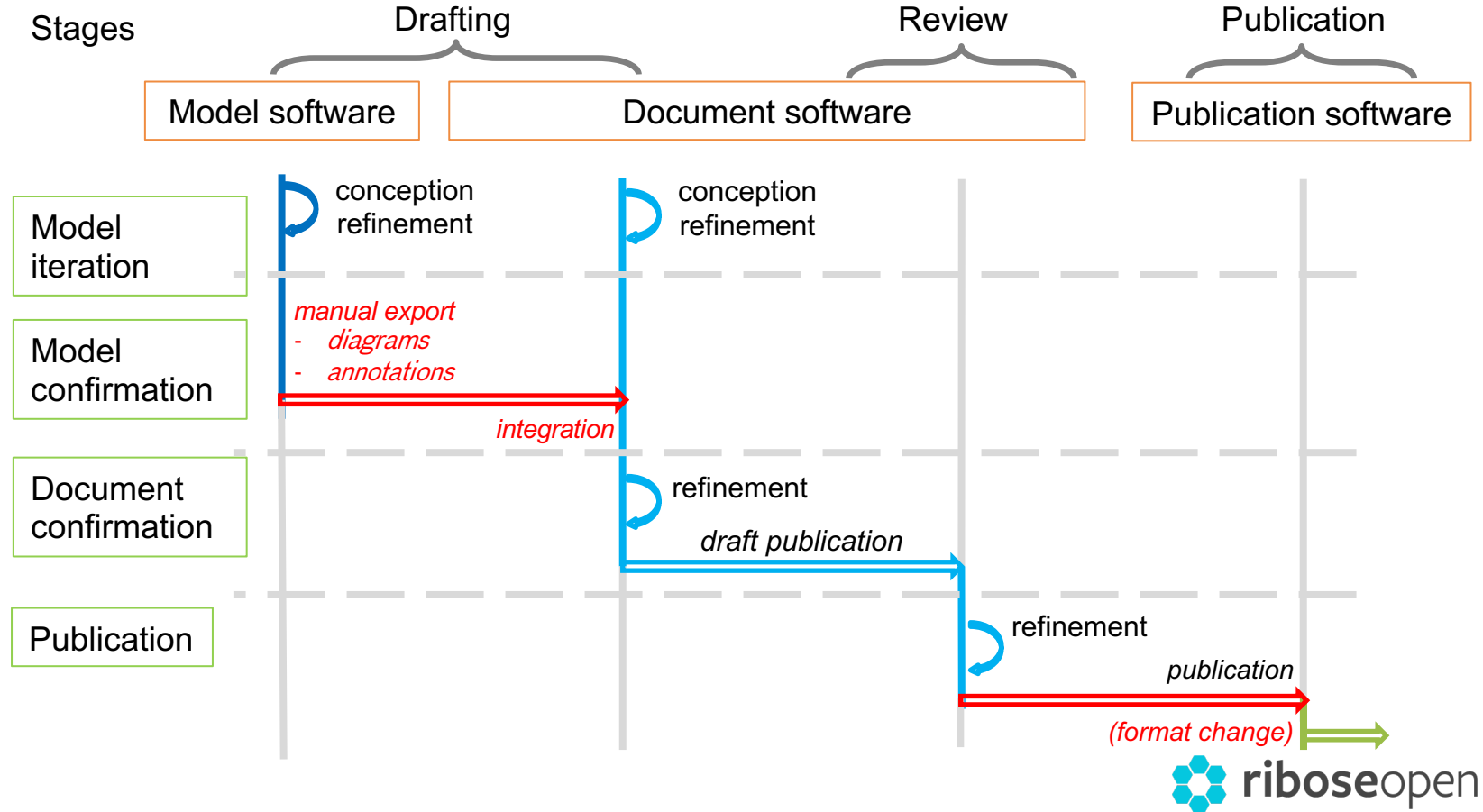
# Model-based standards process for drafting and model development

ISO/TC 211 Ad-hoc for Automated Documentation

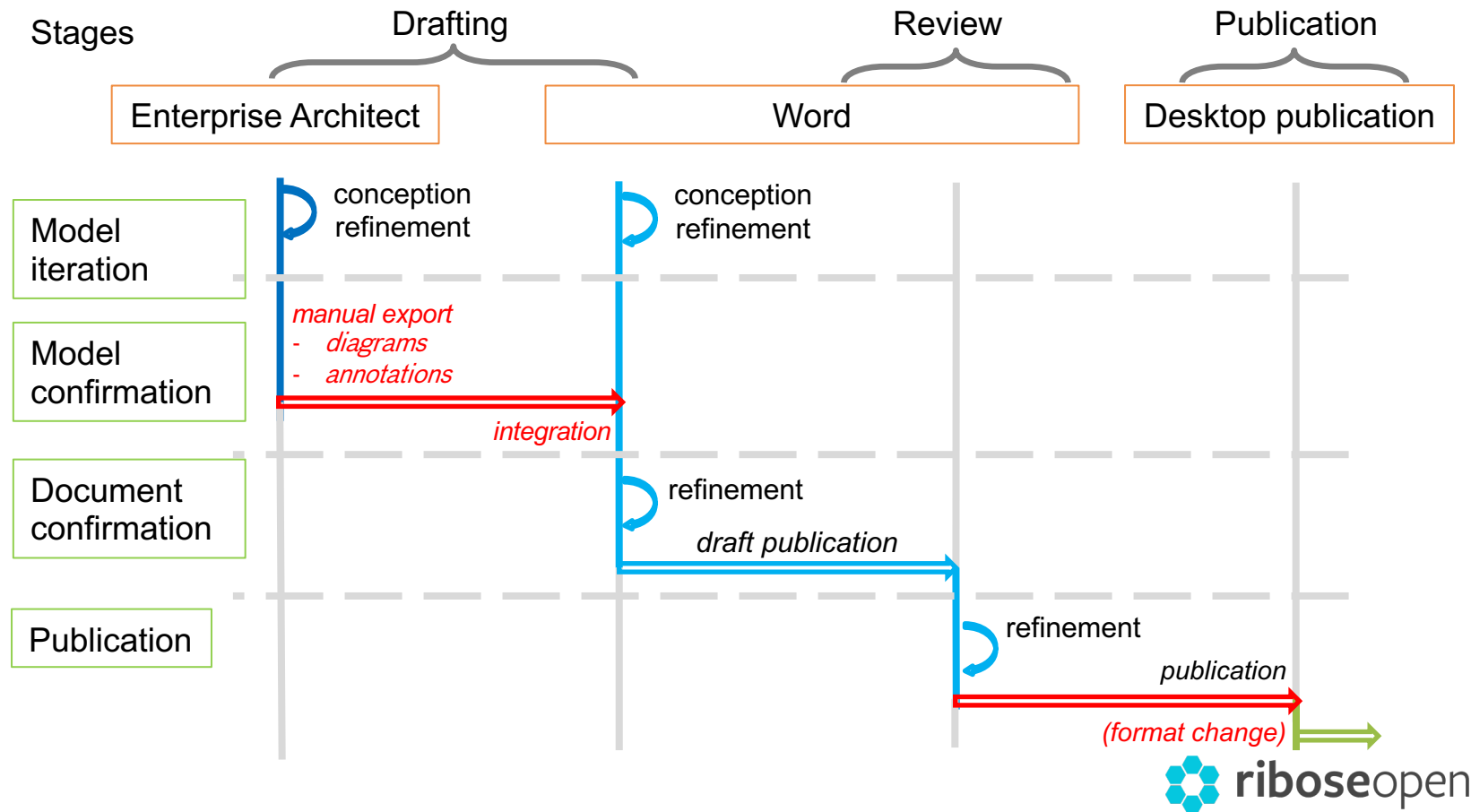
August 20, 2020

Ronald Tse

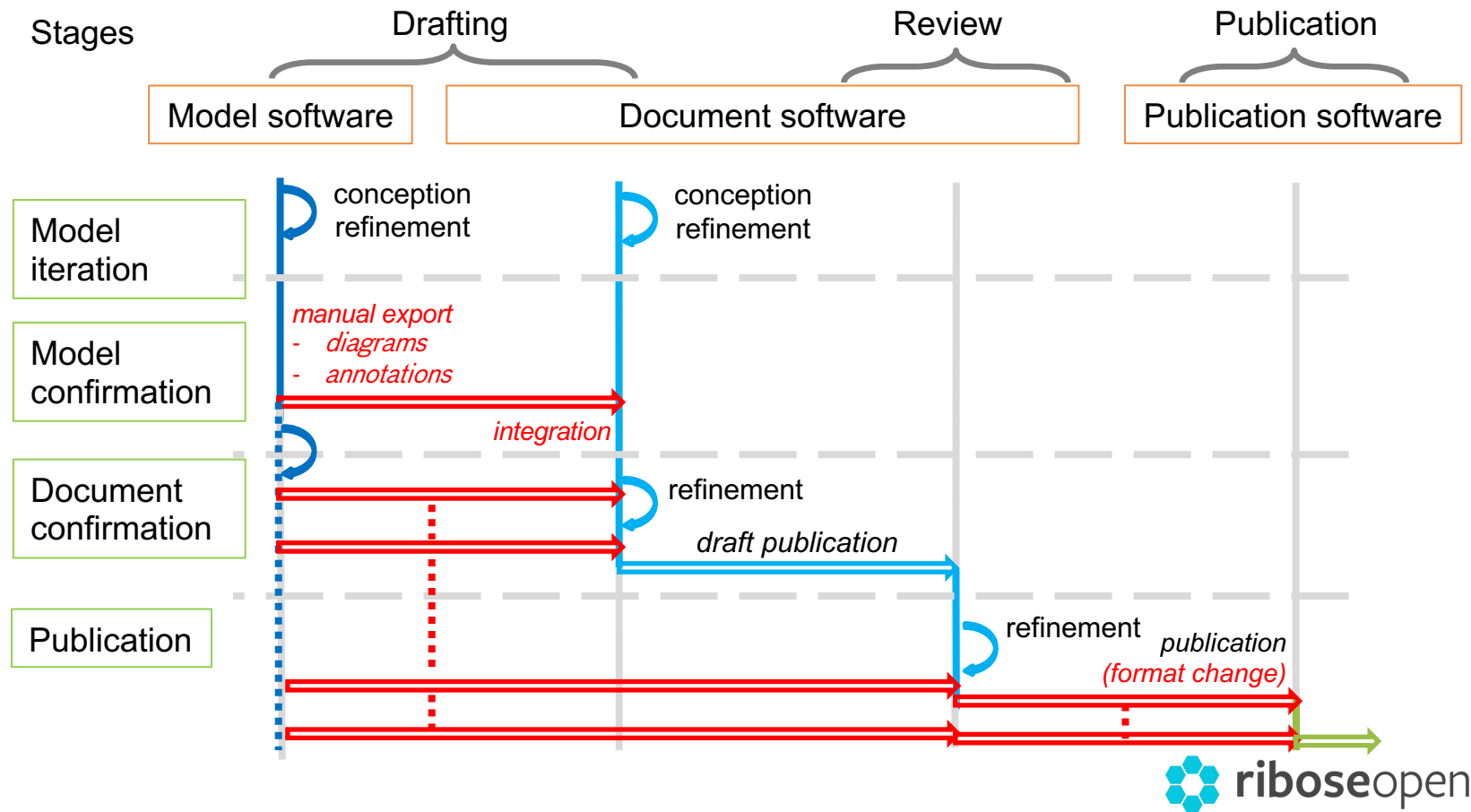
# A simplified flow of model-based standards development



# Placed in the current TC 211 context

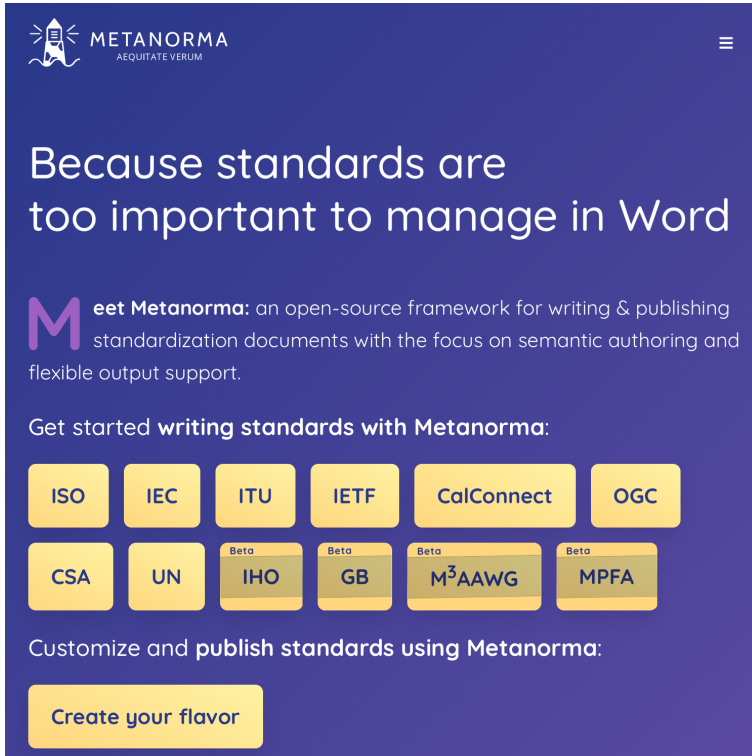


# Reality is often more complex (and cumbersome)



# Metanorma enables end-to-end standards publication

- open source, free to use, common representation framework of standards documents
- enables end-to-end, author-to-publish standards creation workflow
- semantic-aware standard documents
- compliant with ISO 36100 normative document metamodels
- supports model-based authoring



The image is a screenshot of the Metanorma website. At the top, there is a dark blue header with the Metanorma logo (a stylized rocket) and the text 'METANORMA' and 'AEQUITATE VERUM'. A hamburger menu icon is on the right. Below the header, the main content area has a dark blue background. It features the text 'Because standards are too important to manage in Word' in white. Below this, a large purple 'M' is followed by the text 'Meet Metanorma: an open-source framework for writing & publishing standardization documents with the focus on semantic authoring and flexible output support.' Underneath, it says 'Get started writing standards with Metanorma:' followed by a grid of yellow buttons with black text: 'ISO', 'IEC', 'ITU', 'IETF', 'CalConnect', 'OGC', 'CSA', 'UN', 'Beta IHO', 'Beta GB', 'Beta M<sup>3</sup>AAWG', and 'Beta MPFA'. At the bottom, it says 'Customize and publish standards using Metanorma:' followed by a yellow button with black text that says 'Create your flavor'.

METANORMA  
AEQUITATE VERUM

Because standards are too important to manage in Word

**M**et Metanorma: an open-source framework for writing & publishing standardization documents with the focus on semantic authoring and flexible output support.

Get started **writing standards** with Metanorma:

ISO IEC ITU IETF CalConnect OGC

CSA UN Beta IHO Beta GB Beta M<sup>3</sup>AAWG Beta MPFA

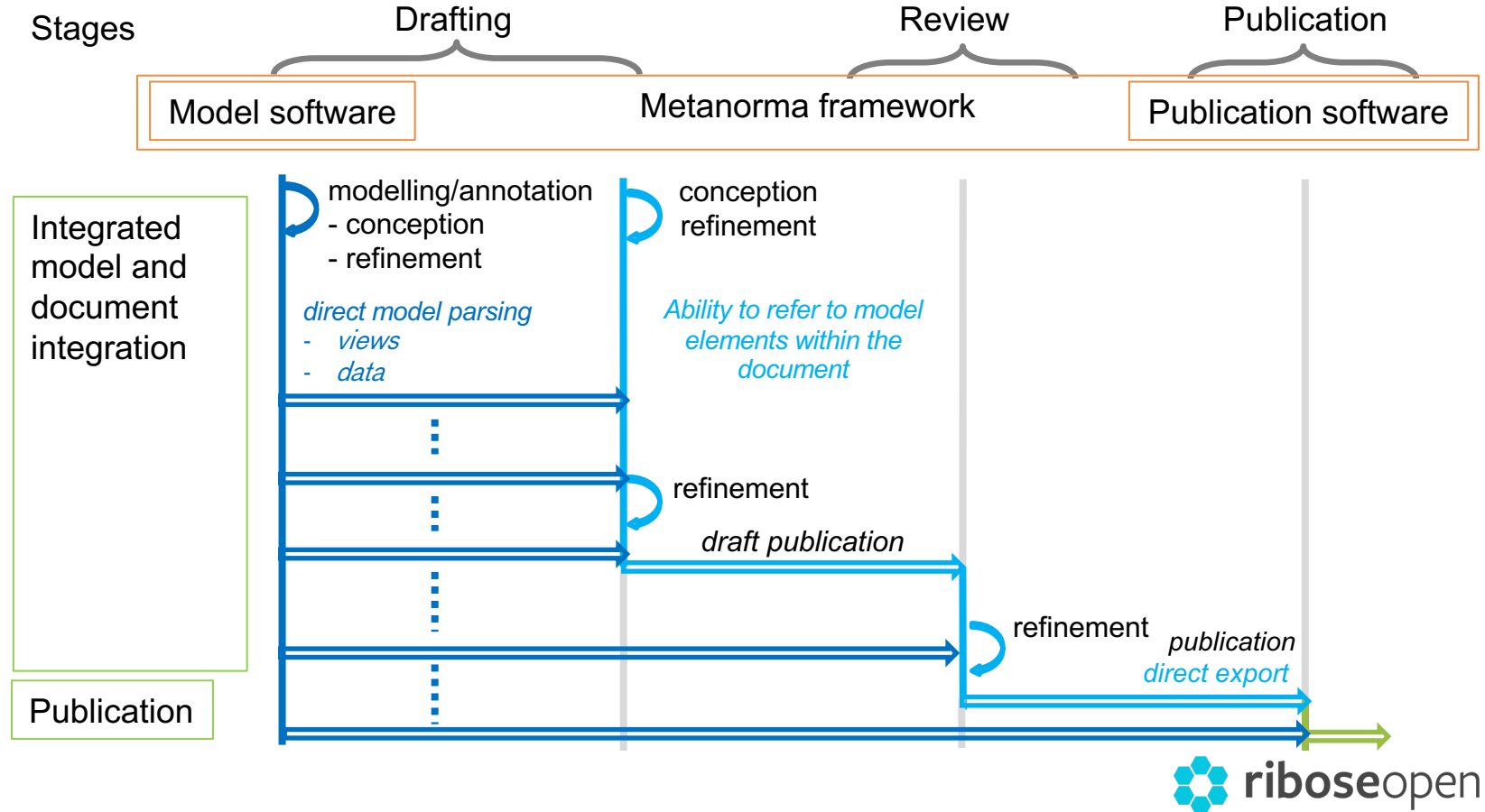
Customize and **publish standards** using Metanorma:

Create your flavor

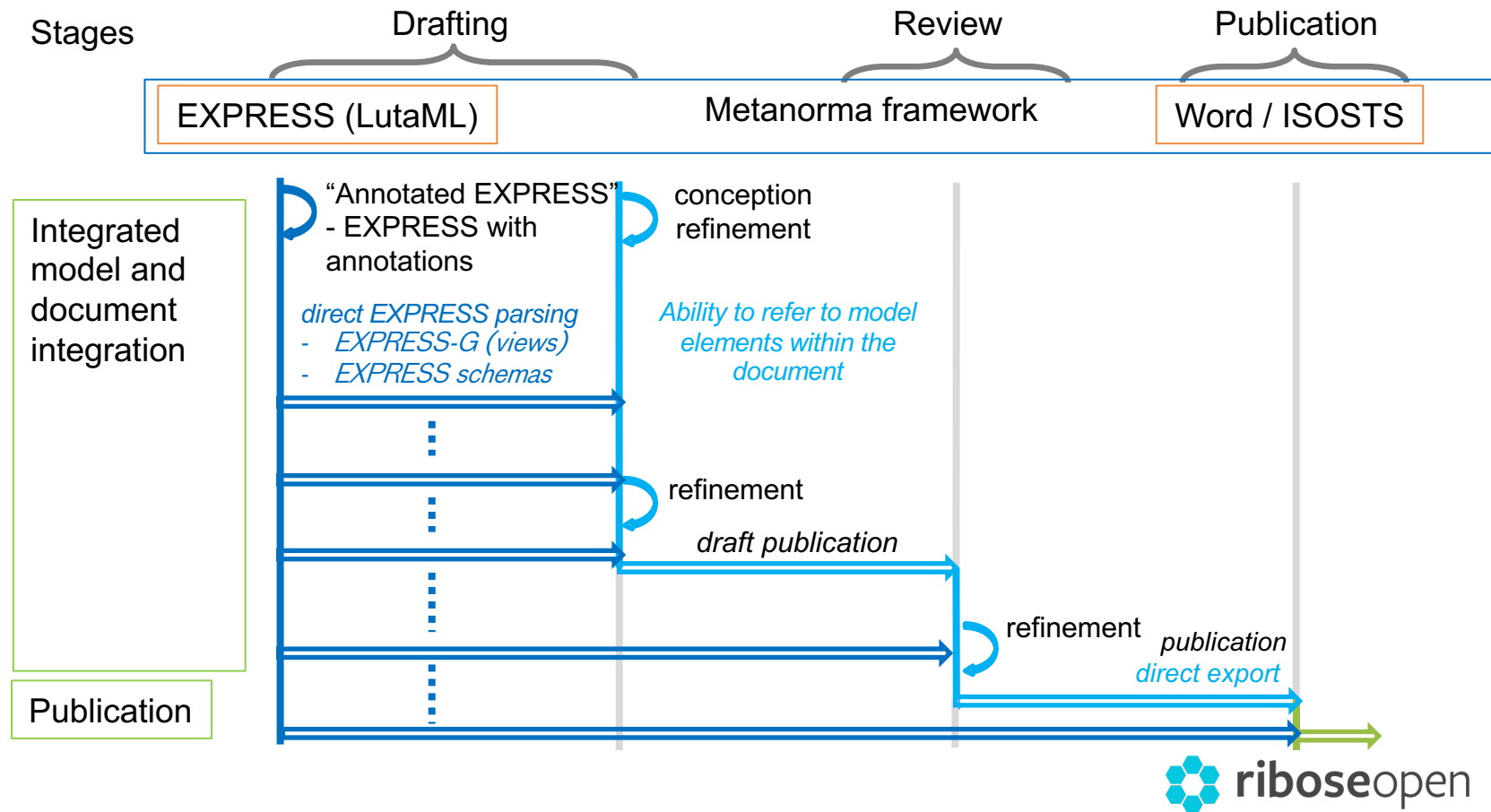
Metanorma is officially used at a number of SDOs



# “Model-based authoring” with end-to-end publication

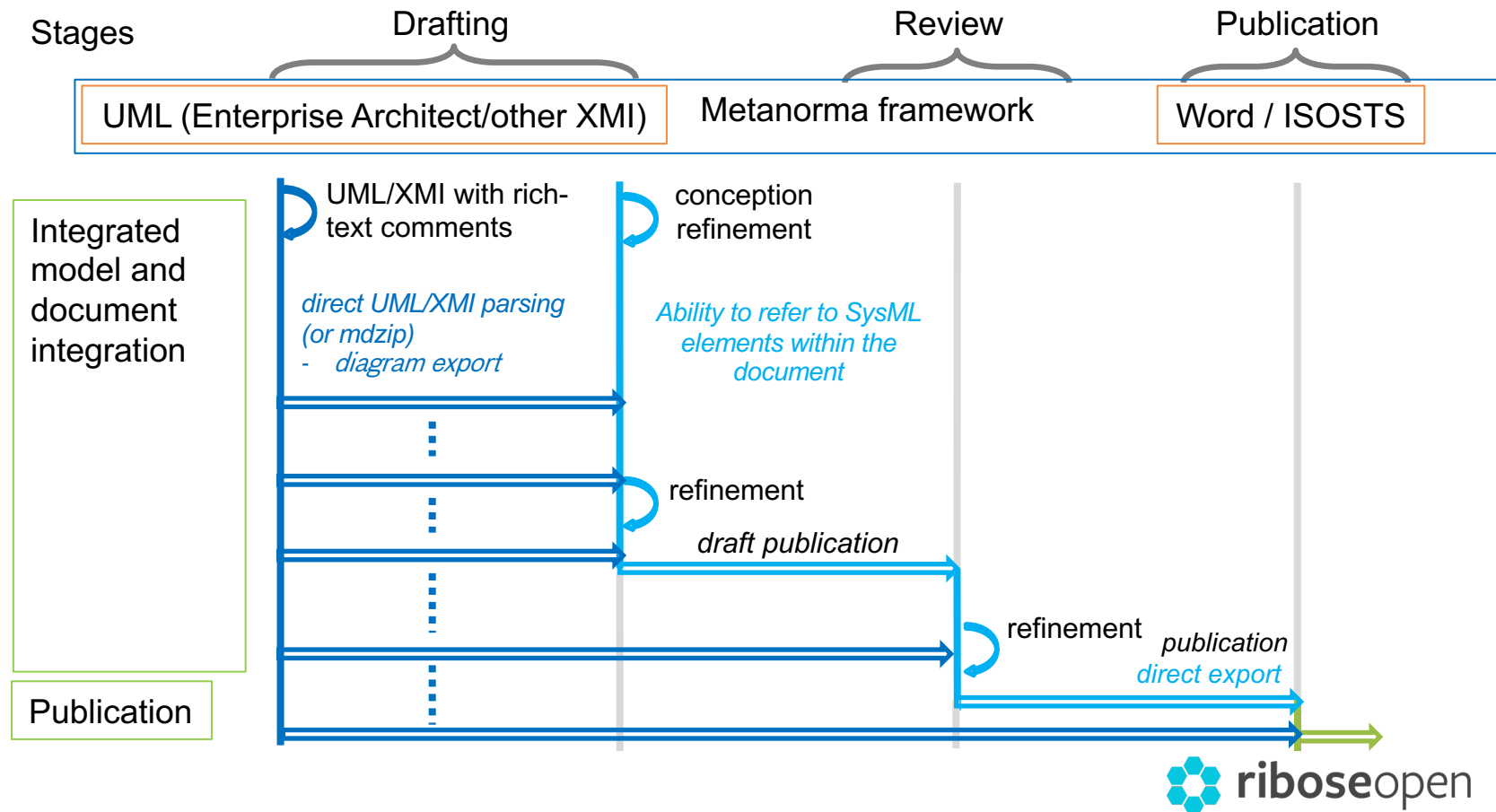


# Model-based authoring in ISO 10303 STEPmod





# Model-based authoring with Enterprise Architect



Thank you, questions welcome!