

National BIM Standard - US [®]

Where are we? Where are we going?



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Department of Construction Management, College of Built Environment



Session Overview

Speaker

- National BIM Standard-US Update
- Committee Formation
- Draft Roadmap
- Draft Port of Seattle Standards



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The views presented are those of the speakers and do not necessarily represent the views of Agencies/Organizations



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“The good thing about standards is that there are so many to choose from.”

- Andrew Tanenbaum



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The Many Faces of LOD

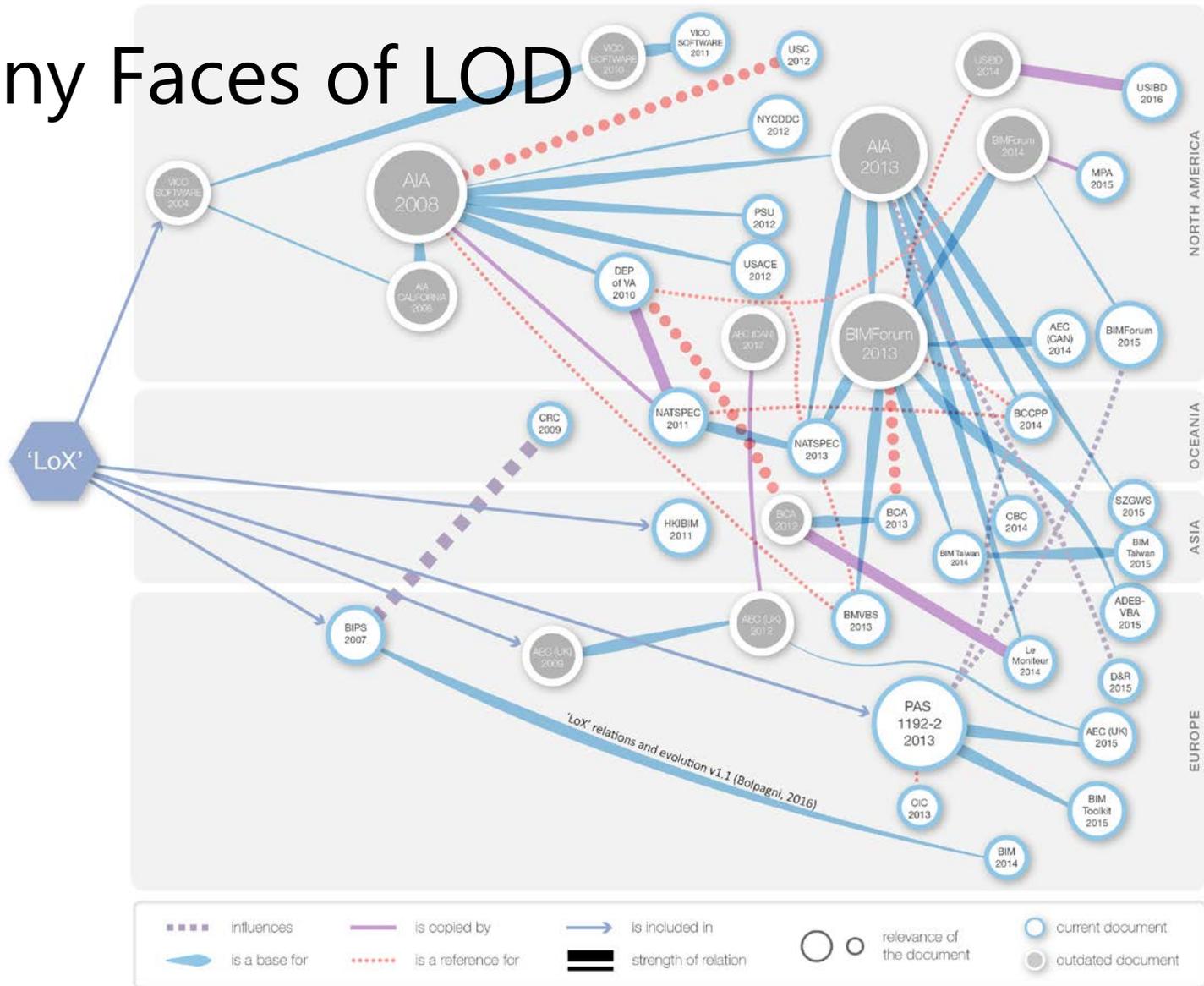
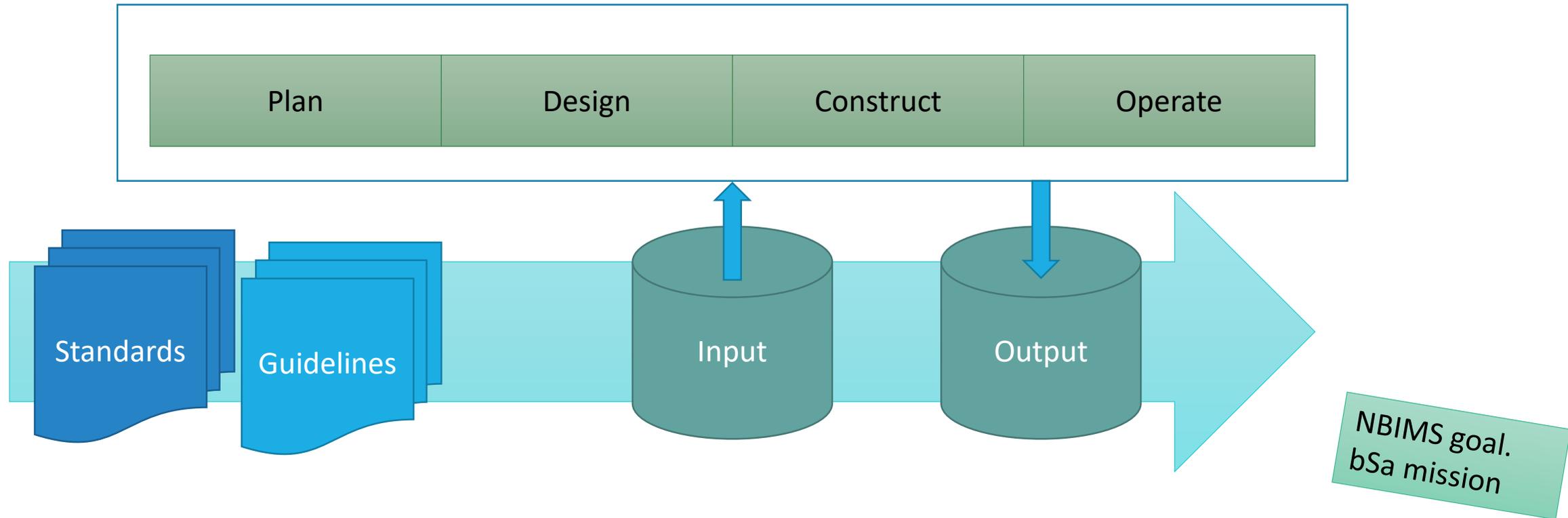


Image Source: The Many Faces of LOD, BIM Thinkspace, Guest post by Marzia Bolpagni, Available at: <http://www.bimthinkspace.com/2016/07/the-many-faces-of-lod.html>



Goal

Create a collection of Standards and Guidelines that support the implementation of Building Information Modeling in Planning, Design, Construction, and Operations of buildings and infrastructure in the US and beyond.



What's the BIG Idea?

Before

- Linear
- Long revision cycle
- Primarily consumed external content

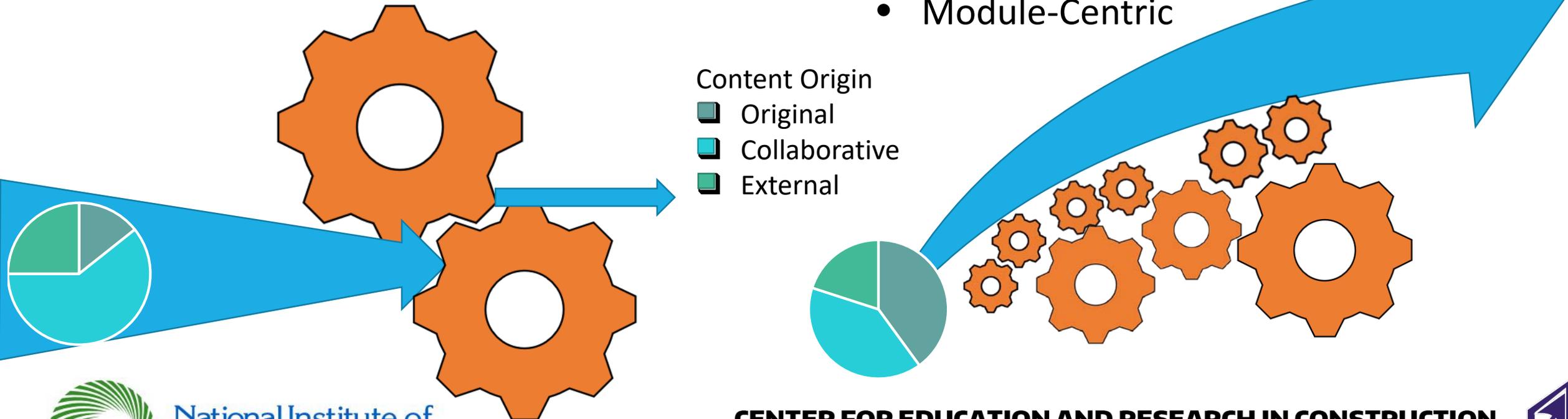
After

- Cyclical
- Short revision cycle
- Existing and New Content
- Module-Centric

AGILE Approach

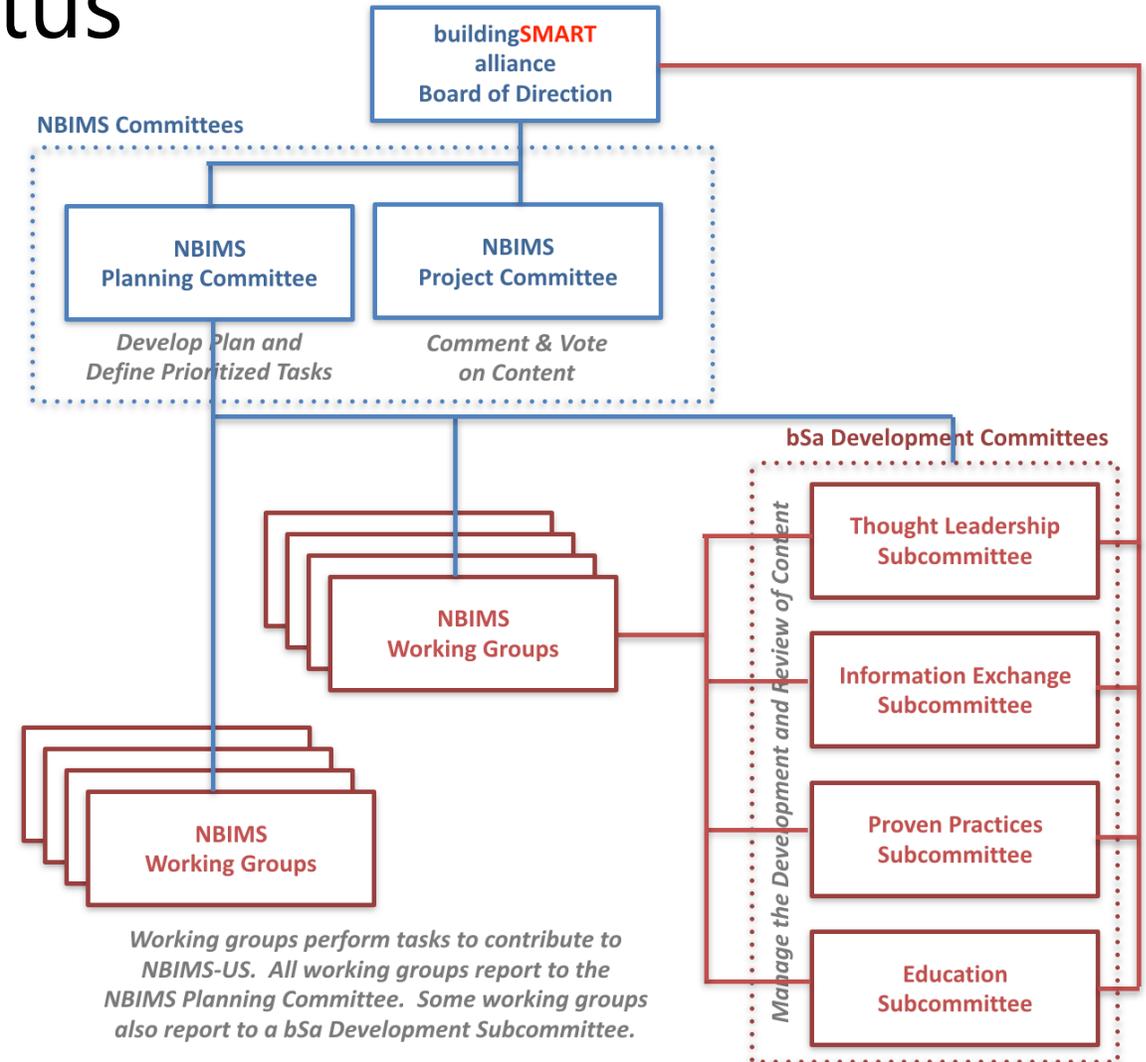
Content Origin

- Original
- Collaborative
- External

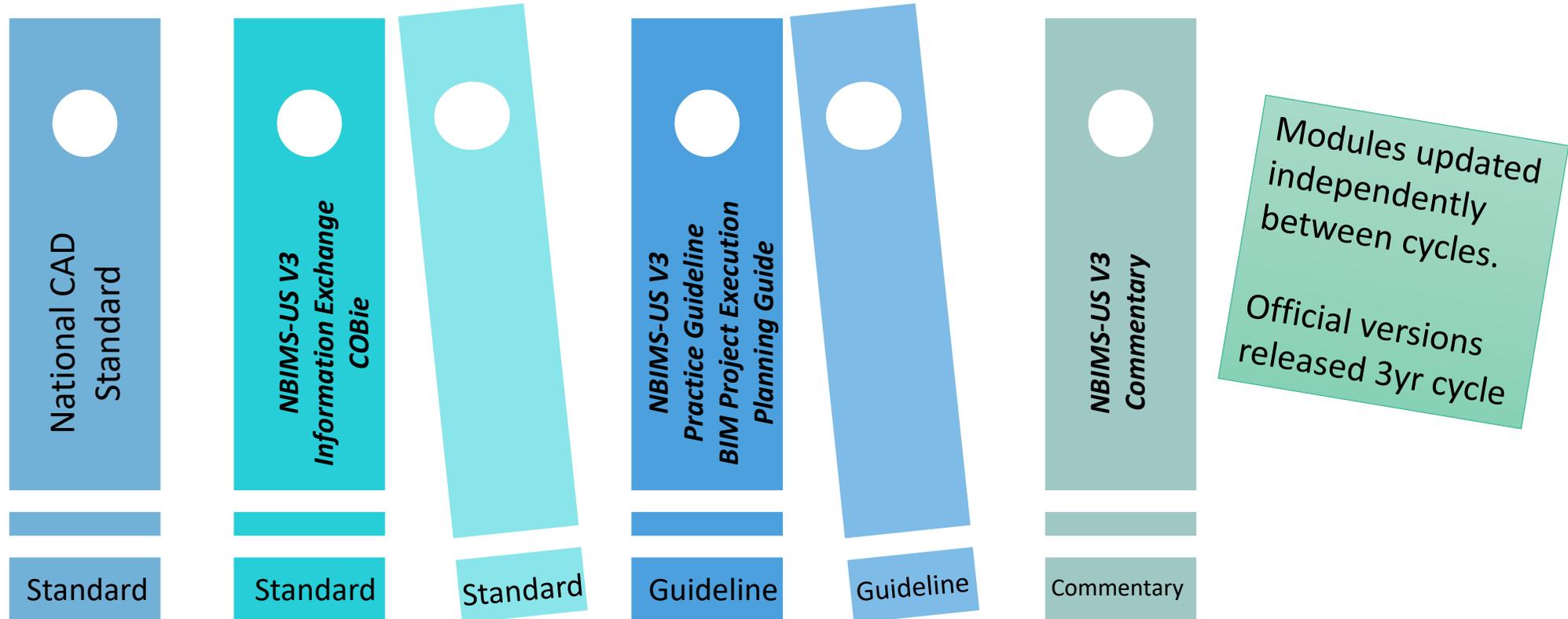


Where are we? Current Status

- Planning Committee (PLC) formed
- Working Groups (WG) identified and forming
 - Core BIM Requirements
 - BIM Uses
 - BIM Project Execution Planning
 - Modeling Requirements
 - Information Exchanges
- Project Committee (PC) identified



Where are we going?



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Where are we going? Modular Approach

1. Core BIM Requirements
2. BIM Use Definitions
3. BIM Project Execution Planning
4. Modeling Requirements
5. Working Group Standard structure for IEs
6. COBie
7. Existing Building (Record) Modeling
8. Proposal/ballot submission style guide.
9. Publication working group



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Challenges

- Change management
- Resolving conflicts/discontinuity in current standard
- Identifying which portions can be retired
- Effectively harnessing volunteer time and efforts
- Coalescing efforts between organizations



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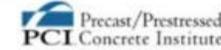
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Collaboration

BIMFORUM

PARTICIPATING ORGANIZATIONS



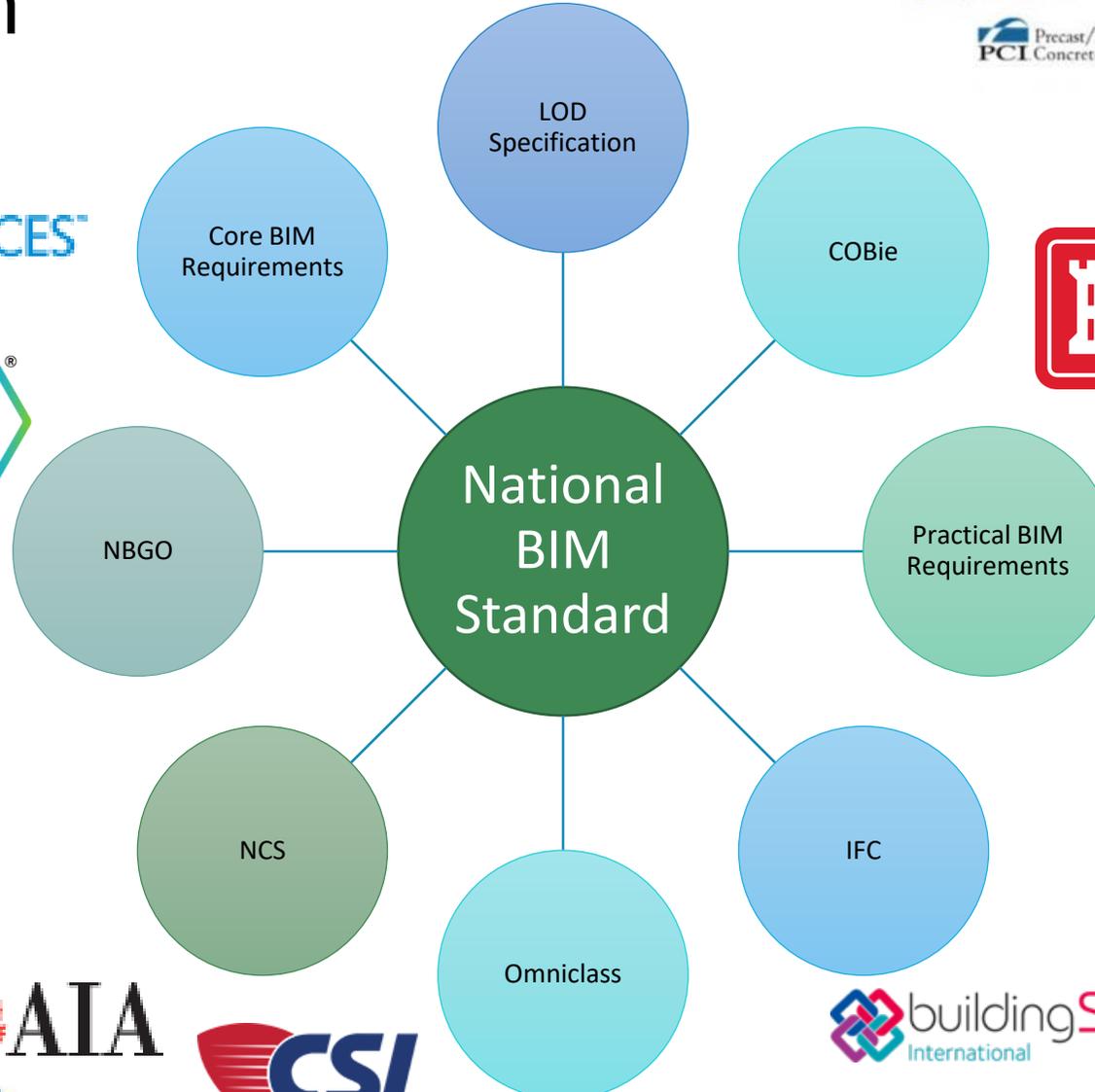
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Port of Seattle BIM Standards: Modular Approach

The Port of Seattle DF BIM Standards consist of a Manual and a series of Support Files that have been organized with the “modular” approach that includes the following five (5) sections:

- General Requirements
- Conceptualization & Analysis
- Design & Documentation
- Construction & Management
- Operation & Maintenance

