Open CDE APIs workgroup
bSI Virtual Summit

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Framework Recap

Open CDE APIs

BCF
Design Issues
BCF-API   BCF-XML

2.2

Documents
Interactive   Non-Interactive
(user - server)   (server-server)

1.0   1.0+

Data Exchange
Property Exchange
Component/Object level

Other

Foundation
Authentication, Authorization, Conventions

1.0

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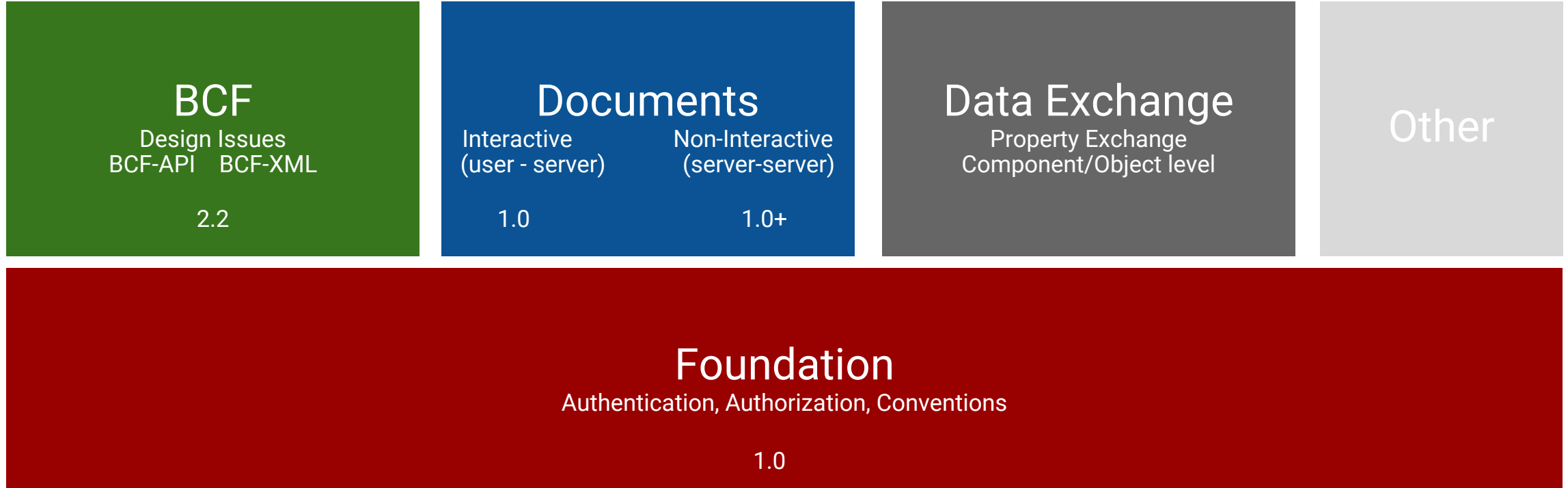
Process

How is the group organised?

Meetings

- **Fortnightly meetings** - Mondays, 11am CET, advertised on bSI's event calendar
- **Hackathons** - twice a year
- **Focus groups** - as needed

Resources

- **Github**
- **Website**
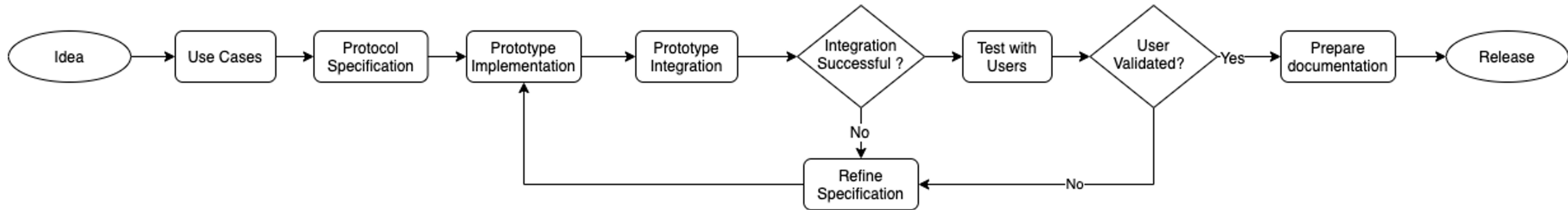- **Group mailbox** opencde@buildingSMART.org

https://github.com/buildingSMART/BCF-XML
https://github.com/buildingSMART/BCF-API
https://github.com/buildingSMART/OpenCDE-API
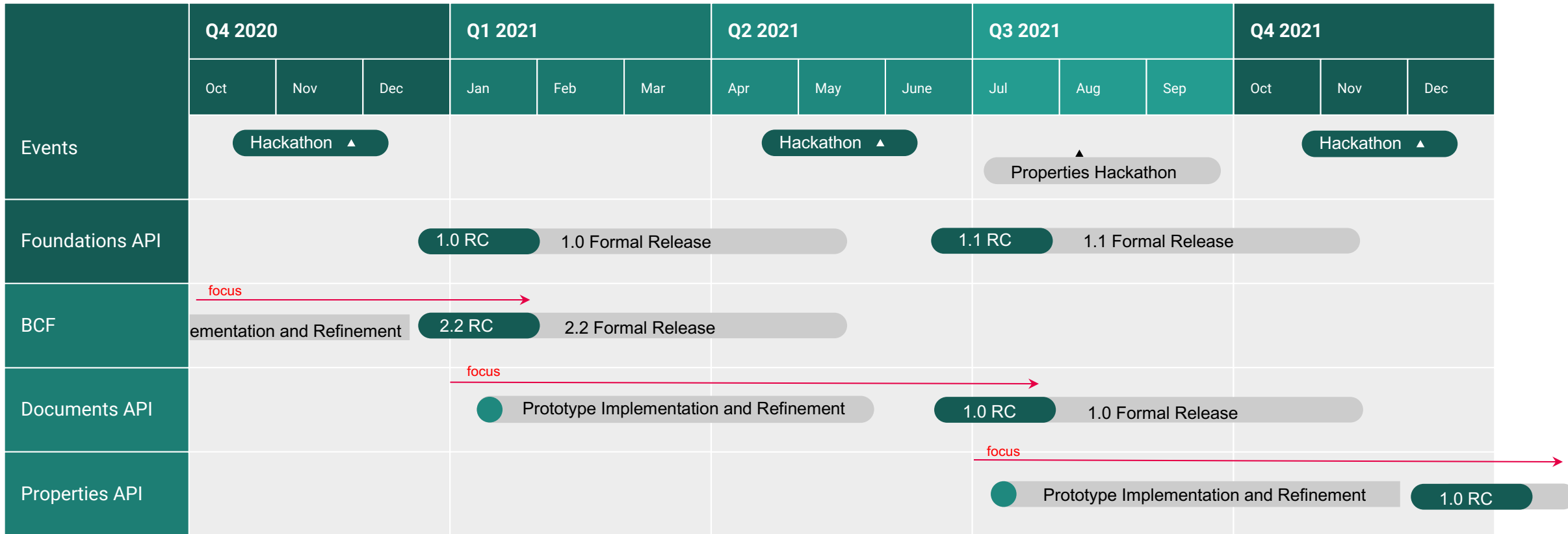https://technical.buildingsmart.org/projects/opencde-api/
https://www.buildingsmart.org/event/common-data-environment-cde-and-bcf-online-meeting-1100-a-m-1200-p-m-cet-4/

API Development Process

Roadmap

Roadmap

	Q4 2020			Q1 2021			Q2 2021			Q3 2021			Q4 2021		
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
Events	Hackathon ▲						Hackathon ▲			▲ Properties Hackathon			Hackathon ▲		
Foundations API				1.0 RC	1.0 Formal Release					1.1 RC	1.1 Formal Release				
BCF	focus → ementation and Refinement			2.2 RC	2.2 Formal Release										
Documents API				focus → Prototype Implementation and Refinement						1.0 RC	1.0 Formal Release				
Properties API	focus →										Prototype Implementation and Refinement			1.0 RC	

Next Virtual Hackathon

- Dates (2020)
  - November 23rd-25th - Monday-Wednesday
  - 8am-11am CET each day

- Goals
  - Finalize BCF 2.2
  - Finalise Foundations 1.0

Progress Update

BCF 2.2

Pending Implementation and Testing

- Highlights for users:
  - User friendly topic identifiers
  - Reliable Model-Topic association
  - Reliable viewpoint exchange

- Highlights for implementers
  - Cleaner BCF-XML test-cases and XSD
  - Open API (Swagger) specification for BCF-API*
  - Clearer, less ambiguous exchange

- Detailed changes for [BCF-XML](#) and [BCF-API](#) can be found on the Github wiki

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Foundations API 1.0

To be released with BCF 2.2

- Draft at https://github.com/buildingSMART/OpenCDE-API/tree/master/foundations

- Includes
  - Versions Service
  - Authentication Service
  - Conventions and guidelines

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Document API

ETA Q2 2021

Interactive Documents API

- Well understood

- Draft specification available

- Pending implementation and testing

Non Interactive Documents API

- Investigated by a dedicated focus group

- Requirements will be gathered through a user survey

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Thank You

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