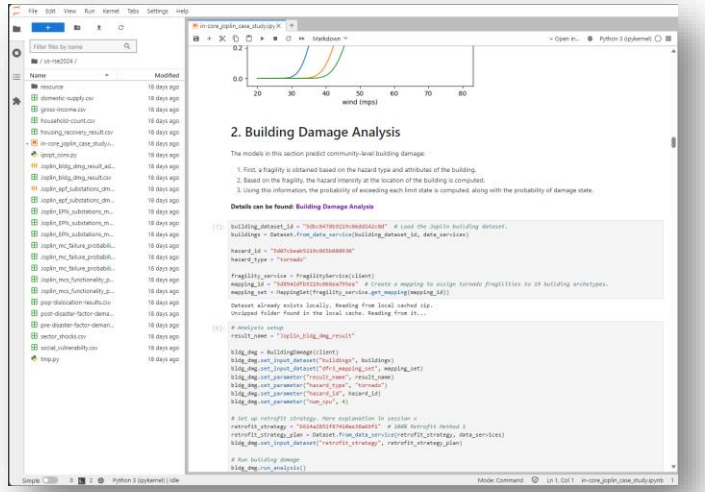
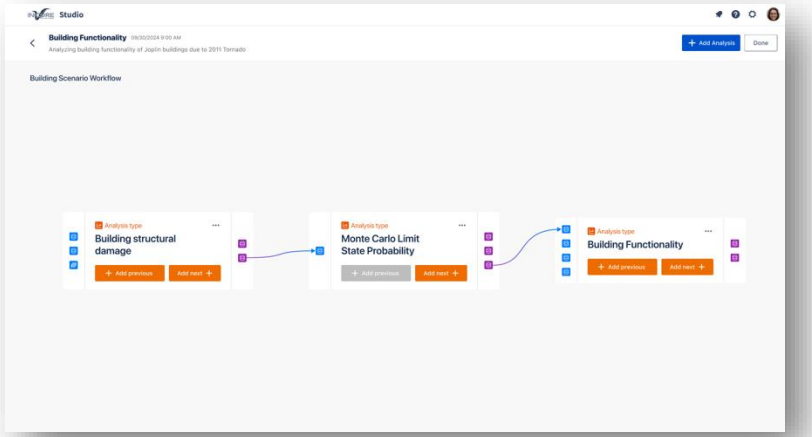
Project IN-CORE Update

IN-CORE Studio

IN-CORE Studio

- IN-CORE requires for users to develop/code their models in python by using pyIncore and IN-CORE services.
- IN-CORE Studio is a web application that users can perform analyses with IN-CORE's community resilience models via graphical user interface (GUI) without Python coding

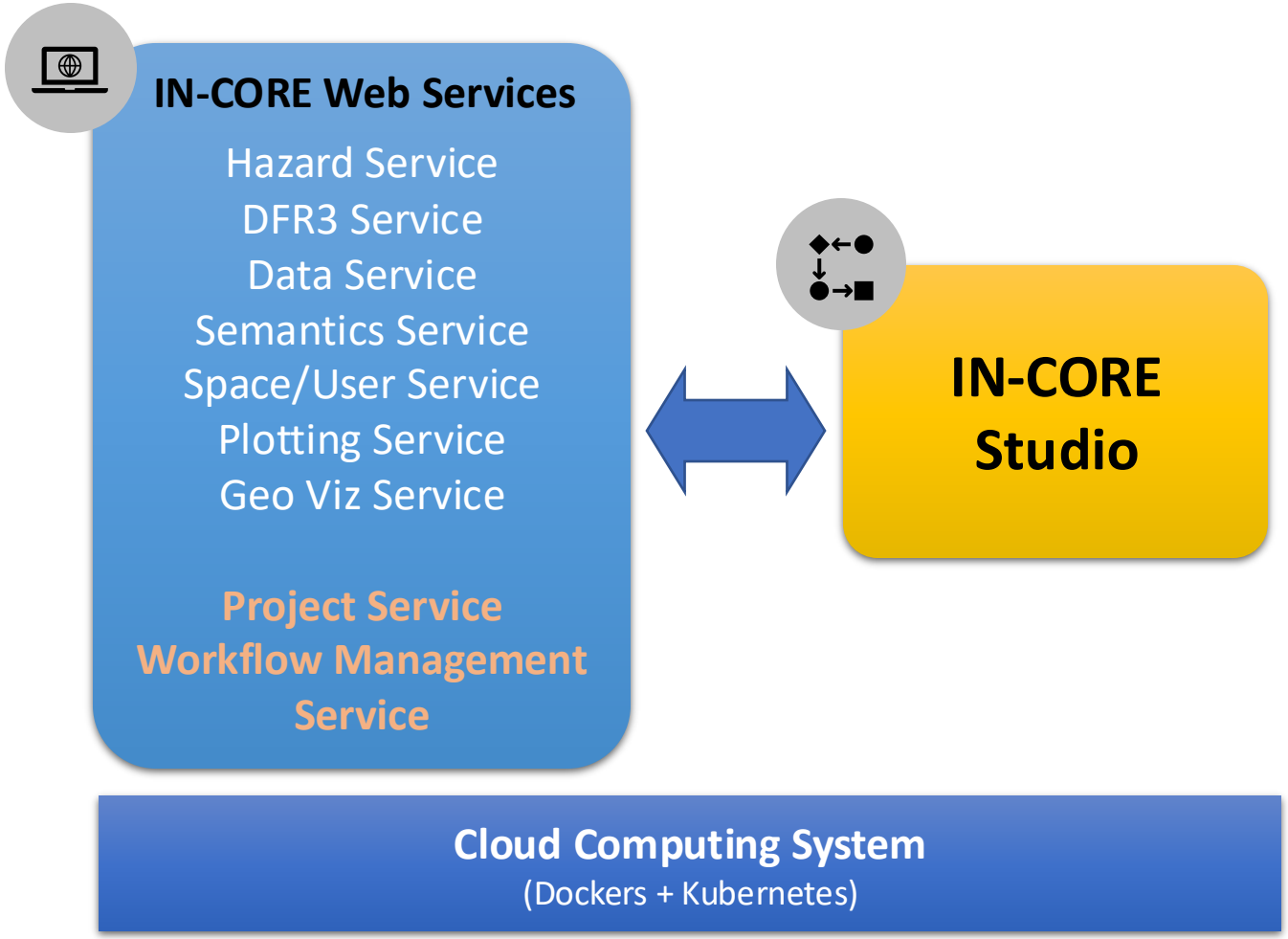




IN-CORE Studio

- Potential users:
  - Modelers who don’t have python experience
  - Modelers who don’t need to create new analysis
- Features
  - Creating and managing projects
  - Creating chaining of IN-CORE analyses (a.k.a. workflow)
  - Managing workflows, datasets, hazards, and DFR3 curves on IN-CORE web services
  - Executing the workflow with different set of input datasets
  - Visualizing the dataset (input and output) as geospatial map

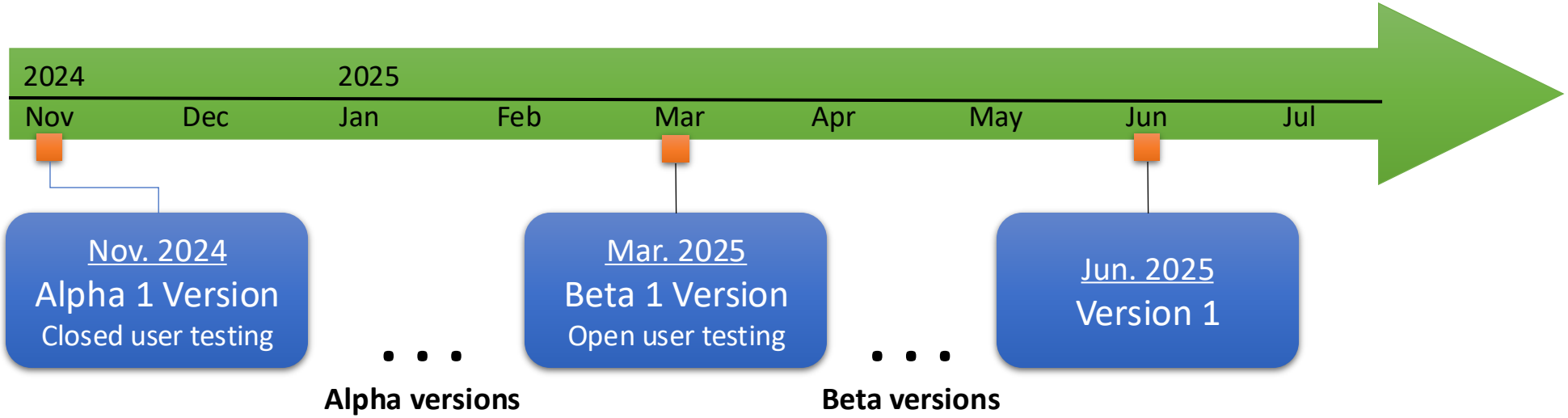
IN-CORE Studio Architecture



Mockup Demo

- Demo with playable mockup design

IN-CORE Studio Dev Schedule



*Development schedule is subject to be changed

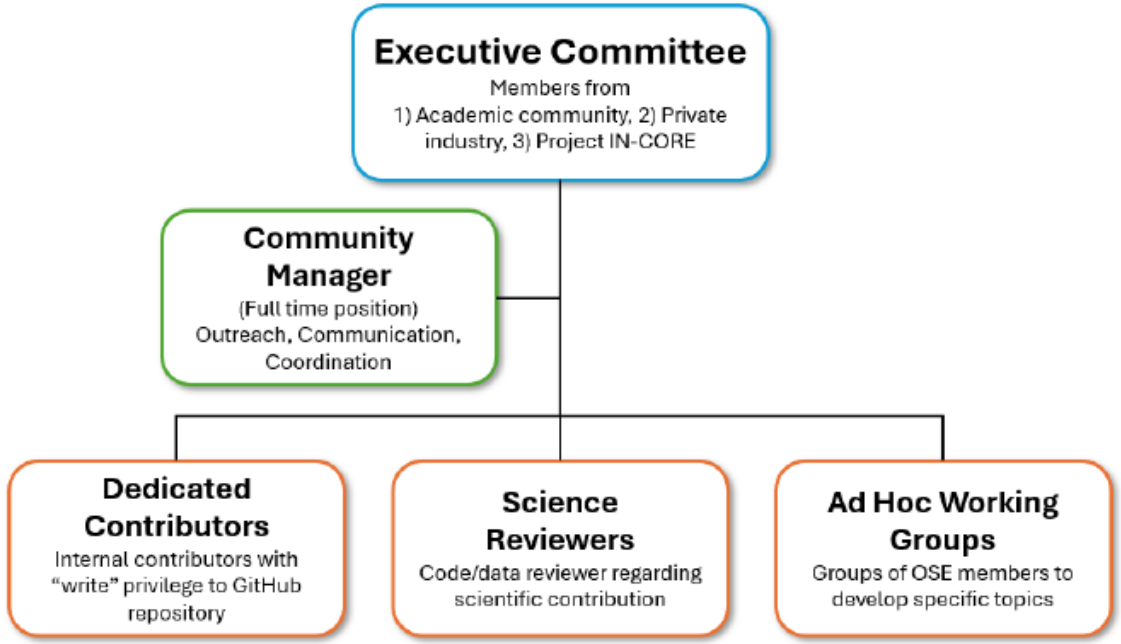
NSF POSE II Proposal

Summary of NSF POSE II Proposal

- Long-term Vision
  - To create a globally recognized open-source platform to support interdisciplinary research and applications of community resilience modeling and planning to ultimately improve community resilience.
- Goals
  - Implementing an Open-Source Ecosystem (OSE) for IN-CORE
  - Establishing IN-CORE OSE community
- POSE I award results
  - Governance model
  - Understanding OSE and IN-CORE's potential/existing user community

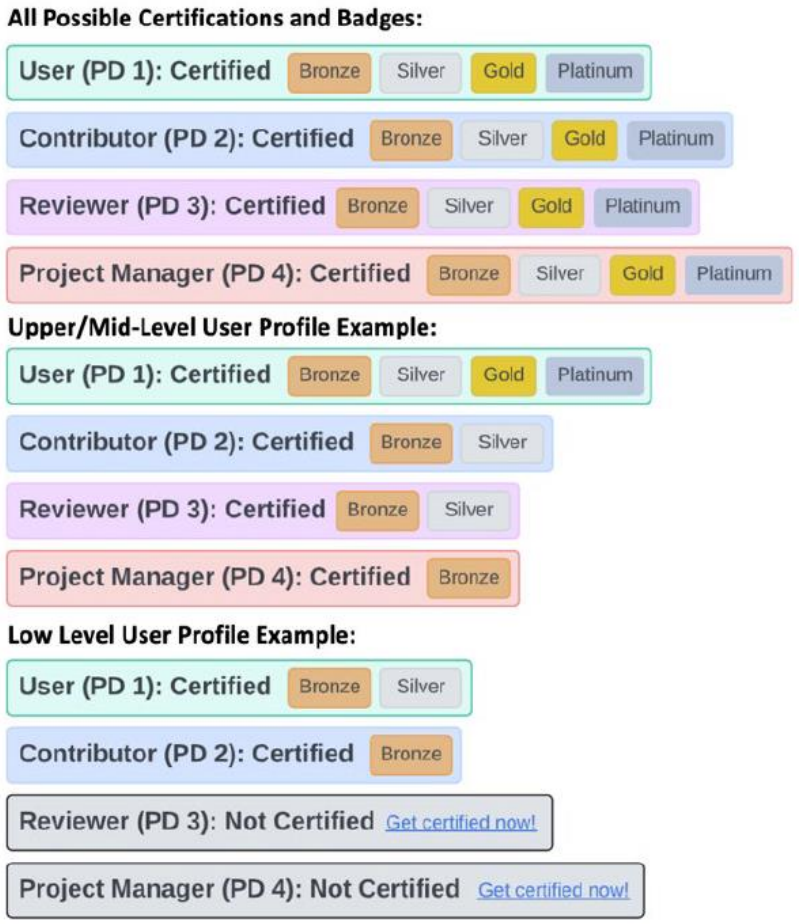
Summary of NSF POSE II Proposal

- Implementing Governance and Organization of IN-CORE OSE
  - Fiscal sponsorship of Project IN-CORE
- Continuous Development Model
- Community building
  - IN-CORE User conference
  - Fostering users
  - Fostering contributors



Summary of NSF POSE II Proposal

- Sustainability
  - IN-CORE Business model
    - Project IN-CORE
    - Grants and Agreements
  - IN-CORE cybersecurity
  - Credit and Education/Training Programs
    - Micro-credit courses
  - Recognition Models
  - Facilitating IN-CORE interoperability



Launched IN-CORE.ORG

https://in-core.org

IN-CORE YouTube Channel

https://www.youtube.com/@in-coremulti-disciplinaryc1779

@in-coremulti-disciplinaryc1779

Thank you!

The Center for Risk-Based Community Resilience Planning is a NIST-funded Center of Excellence; the Center is funded through a cooperative agreement between the U.S. National Institute of Standards and Technology and Colorado State University (NIST Financial Assistance Award Numbers: 70NANB15H044 & 70NANB20H008). The views expressed are those of the presenters, and may not represent the official position of the National Institute of Standards and Technology or the U.S. Department of Commerce.

Resilience

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