

IEA EBC TCP

Building Energy Codes Working Group

Workplan Sketch

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Outline

- Introductions
- Priorities
- Planned activities
- Needs
- Workplan
- Round table discussion
- Next steps



Priorities

- Development of codes and supporting resources that meet the needs of a wide variety of jurisdictions
 - Right-sizing codes for jurisdiction
- Code compliance/Close compliance gap
 - Leverage software to support compliance
- Embodied Carbon
- Operational Carbon, including refrigerant reductions
- Cost-benefit and affordability
- Resilience
- Electrification, flexibility and peak demand
- Existing buildings
- Performance-based codes (high fidelity)
 - EUI
 - Reference building
- Building energy data governance
- Cooling
- Addressing the occupants

Planned activities

- As you can imagine, there is an overlap between Priorities and planned activities. In addition to the previous list:
 - Building Safety Regulatory Ecosystem Toolkit
 - Support code officials and others on demonstrating compliance
 - Digitalization roadmap
 - Compilation of affordability studies
 - Energy resilience tool
 - Embodied carbon tool
 - Simplified energy simulation tool
 - Energy modeling of heat pumps



Needs

- Cost-benefit analysis
- Strategies for advancing compliance
- Strategies for incorporating embodied/operational carbon in codes
- How to make codes advances available to different jurisdictions
- How to deal with the intersection of buildings and the grid
- How to integrate the occupant health into the code

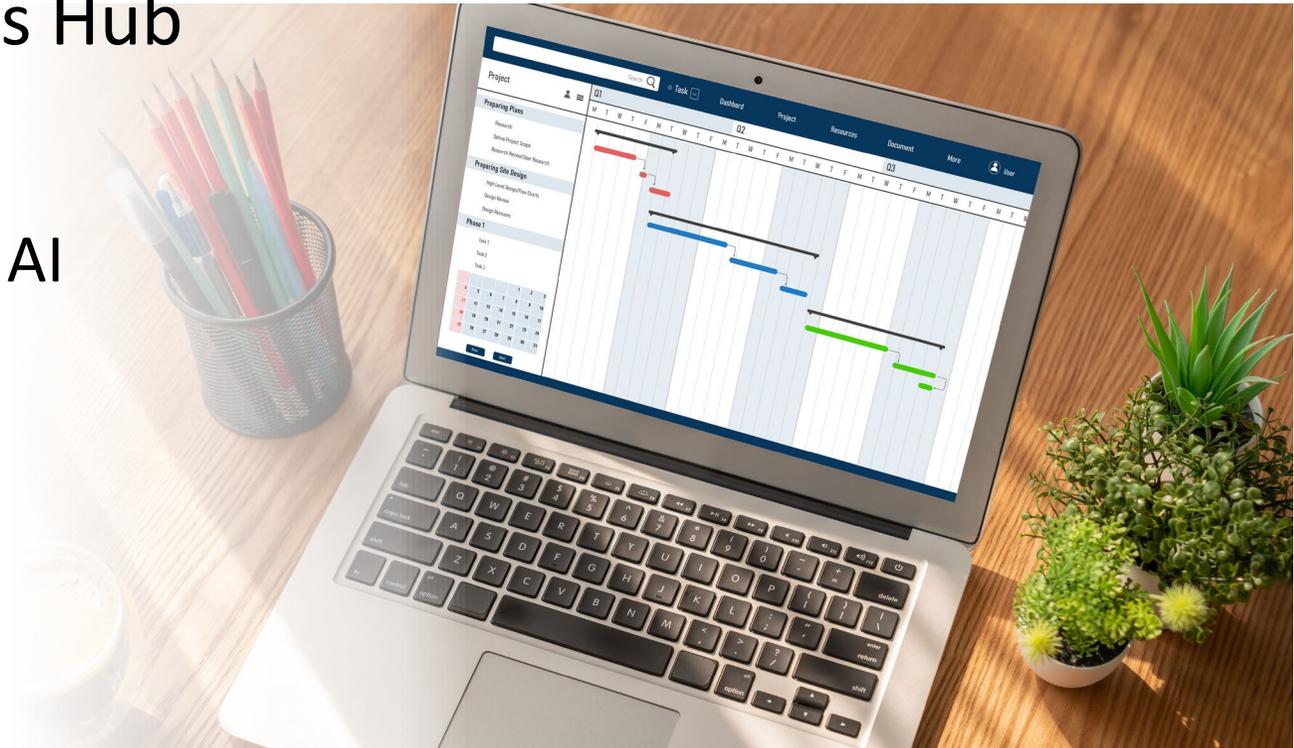


Metrics

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Work plan

- Create a Building Energy Codes Hub at BECWG website
 - Develop project plan
 - Seek funding to put in place an AI interface
- Schedule quarterly webinars starting with (?)
 - Affordability
 - Compliance
 - Tools...



Discussion

