The Center for Ecosystems in Architecture (CEA) is a joint initiative academic between the Yale Schools of Architecture and Forestry & Environmental Studies. CEA unites researchers across multiple fields in the development of transformative systems for the Built Environment. We purposefully prioritize the requirements of living ecosystems towards the development of innovative methods for buildings and cities that support biodiversity with clean energy, water, and materials.

CEA takes a unique approach in leveraging the ongoing explosion of knowledge in life sciences and information technology to fundamentally re-inform the built environment process, which is currently the sector responsible for the largest consumption of toxic, non-renewable resources and greenhouse gas emissions globally.

Alongside our partners in the Architecture, Engineering, and Construction (AEC) Industry, CEA seeks to address the complexity of transitioning global construction patterns by uniting deep expertise of current practices with radically new socio-economic and technical approaches. CEA is purposely putting the scientific inquiry of living ecosystems behaviors at the forefront of the research and development of transformative Built Environment systems.