

Dense and Green Building Typologies: Architecture as Urban Ecosystem

Synopsis

Contemporary architecture and urban design practice is increasingly exploring the integration of green spaces in large-scale buildings, producing new typologies for high-density contexts that include public space, extensive sky terraces, sky bridges, vertical parks, roof gardens, and other 'green' components. Combinations of all these often applied to mixes of residential, civic and commercial programmes, conjoin at times to produce 'vertical cities', in which the building section becomes what the horizontal plane has entailed up to now. Density and sustainability here are not contradictory but rather mutually dependent and synergistic. The keynote will present ongoing research from the Singapore-ETH Centre Future Cities Laboratory (SEC-FCL) that will contribute to the systematic understanding of the environmental, social, urban, architectural, and economic benefits of dense and green building typologies in high-density urban contexts.