Supplementary materials related to the publication:

**D’Ostuni, M., Zaffi, L., Appolloni, E., & Orsini, F. (2022). Understanding the complexities of Building-Integrated Agriculture. Can food shape the future built environment?. *Futures*, 144, 103061.**

**[https://doi.org/10.1016/j.futures.2022.103061](https://doi.org/10.1016/j.futures.2022.103061" \o "Persistent link using digital object identifier" \t "_blank)**

**Abstract:** Our food system is facing an unprecedented challenge: feeding a fast growing population without depleting precious resources like energy, soil, and water. Furthermore, the increasing urbanization has rapidly exacerbated the gap between farm to plate, leaving cities vulnerable to changes in the production and supply chain, as demonstrated by recent pandemics and wars. In this context, emerging technologies that allow plants to grow in absence of soil, permit to produce food in high densely built-up areas, bringing food production right were most consumers live. These initiatives enter within the so called Building-Integrated Agriculture (BIA), which is referred as the practice of locating greenhouses and soilless plant cultivation technologies on top and inside mixed-use buildings to exploit the synergies between the building environment and agriculture, involving resource recovery such as water, energy and nutrient flows. This paper aims at determining strategies, objectives, and best practices of BIA projects through the review of 21 case studies, to understand how a new advanced and future-oriented agriculture applied within the cities borders, can possibly shape the urban built environment and food systems of the future.

**Keywords:** Urban agriculture, Green buildings, Circular construction, Green infrastructures, Food production, Sustainable planning

**Supplementary Material**

Sources & References of the selected case studies:

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Visited Projects:

**U01 - Bajes Kwartier, Amsterdam (NL):** Visited the area and the existing prison in April 2018

**U02 - ReGen Villages, Almere (NL):** Visited the project area in March 2019

**B04 - The Greenhouse Restaurant, Utrecht (NL):** Visited in January 2019

**RG02 - UrbanFarmers, Den Haag (NL):** Visited before bankruptcy in May 2018

**RG04 - ICTA-ICP, Barcelona (ES):** Visited in May 2019 and in June 2022

**F01 - UrbanAlgaeCanopy, Milano (IT):** Viewed at the Milan EXPO in 2015

**I01 - GrowX - Amsterdam (NL):** Visited in February 2019