

Vegetarian architecture. Case studies on building and nature

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VEGETARIAN ARCHITECTURE
CASE STUDIES ON BUILDING AND NATURE

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What is “good” architecture? This seemingly simple question is connected to a wide range of criteria—just like the radical quest for “good” food, which has produced a wealth of insights over the past few decades. This book showcases buildings based on simple technology, good craftsmanship, and careful choice of local and natural materials, as well as local development initiatives which demonstrate excellence in building quality, landscape restoration, and community revitalisation. The selection of case studies is broad and definitely unconventional: it encompasses Europe and Japan, and privileges lesser-known authors, unobtrusive works, and marginal localities where radically fresh attitudes have been able to develop.

to Momi and Milla
and
in memory of Peter Blundell Jones

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Imprint

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Picture credits

ABG = Andrea Bocco Guarneri

Vegetarian architecture: a theoretical proposal

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- 2 Segger House, Blaen Camel, Cilceninn, Dyfed, Wales. Virginia Bertolotti, 2017.
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- 4 Kitokuras, Ayauta-gun, Marugame city, Kagawa prefecture, Japan. Kitokuras, 2009.
- 5 Low-temperature (left) and high-temperature (right) dried timber at Kitokuras, Japan. Kitokuras, 2009.
- 6 Slow-growth (left) and fast-growth (right) timber at Kitokuras, Japan. ABG, 2016.
- 7 Peniarth Uchaf, Llanegryn, Gwynedd, Wales. Virginia Bertolotti, 2017.
- 8 Bamboo House II, Bodaiji-gun, Konan city, Shiga prefecture, Japan. ABG, 2019.
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1. Captive vernacular: Hirose House at Nihon Minka-en

- 1 Perspective section of Hirose house from **B233**.
- 2 Hirose house, Kamihagiwara, Enzan-gun, Kōshū city, Yamanashi prefecture. Nihon Minkaen archive 20_57 R123–14, 1969.
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- 21 Detail of *irori*, *iroko*, and *doma* from **B233**.
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- 17 Section and plan of Casa Paraschiva. Martina Bocci, 2019.
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3. Straw-based retrofit: Casa Steila Mar

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 25 Sandberghof, Bessungen. Martina Bocci, 2017.
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 2 General plan of Sieben Linden Ecovillage, Beetzendorf. Martina Gerace, 2018.
- 3 Regiohaus and Sonneneck, Sieben Linden Ecovillage. ABG, 2013.
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- 12 Biestøa house, Grimstad, Norway. ABG, 2018.
- 13 Plans of Biestøa house. Martina Bocci, 2019.
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- 15 Biestøa house, Grimstad, Norway. ABG, 2018.
- 16 Biestøa house, Grimstad, Norway. ABG, 2018.
- 17 Exploded axonometric of Biestøa house. Martina Bocci, 2019.
- 18 Section of Biestøa house. Martina Bocci, 2019.
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- 12 Garden café, Wangelin garten. ABG, 2018.
- 13 Garden café, Wangelin garten. ABG, 2018.
- 14 Gästehaus, Wangelin garten, ABG, 2018.
- 15 Lodgings, Tamera, Monte do Cerro, Odemira, Portugal. ABG, 2018.
- 16 Plan and sections of the Gästehaus. Martina Bocci and Federica Rossetto, 2019.
- 17 Gästehaus, Wangelin garten. ABG, 2018.
- 18 Gästehaus, Wangelin garten. ABG, 2018.
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- 22 Gästehaus, Wangelin garten. Hiroshi, 2011.
- 23 Working drawing of Gästehaus vault. Hiroshi, 2011.
- 24 Wangelin, Buchberg, Germany. ABG, 2018.
- 21 Foundations of east wing, WISE, CAT. ABG, 2010.
- 22 Sheppard lecture theatre, WISE, CAT. Martina Bocci, 2017.
- 23 Lecture theatre ambulatory, WISE, CAT. ABG, 2010.
- 24 Section of rammed earth wall and ambulatory, WISE. Pat Borer modified by Martina Bocci, 2019.
- 25 Hemp-crete wall, WISE, CAT. Pat Borer, 2007.
- 26 Section of south façade of north wing, WISE. Pat Borer modified by Martina Bocci, 2019.
- 27 Rammed earth wall, WISE, CAT. Martina Bocci, 2017.
- 28 Rammed earth wall, WISE, CAT. Pat Borer, 2007.

9. Food economy system: Kamiyama Food Hub

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- 2 Nishiokubo, Kamiyama town, Tokushima prefecture, Japan. ABG, 2019.
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- 10 Section and plan of Kama pan & store. Shimazu Architectural Design Office, 2016.
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- 20 Kamaya, Kamiyama. Food hub project, 2017.
- 21 Kamiyama food hub, Kamiyama. Food hub project, 2016.

10. Soil and earth: Wangelin Garten

- 1 Lehmuseum, Gnevsdorf, Buchberg, Germany. ABG, 2018.
- 2 Lehmuseum, Gnevsdorf, Buchberg, Germany. ABG, 2018.
- 3 Wangelin garten satellite view. Reworked from Google earth, 2019.
- 4 Wangelin garten, Wangelin, Buchberg, Germany. ABG, 2018.

11. Education and inspiration: WISE at CAT

- 1 General plan of CAT premises. CAT modified by Redina Mazelli, 2019.
- 2 Segal-method house, CAT, Machynlleth, Powys, Wales. ABG, 2010.
- 3 Eco Cabins, CAT, Machynlleth, Powys, Wales. ABG, 2010.
- 4 Straw-bale theatre, CAT, Machynlleth, Powys, Wales. ABG, 2010.
- 5 ATEIC building, CAT, Machynlleth, Powys, Wales. Martina Bocci, 2017.
- 6 The Whole Home garden, CAT, Machynlleth, Powys, Wales. Centre for Alternative Technology, 2018.
- 7 David Lea and Pat Borer at WISE opening ceremony, CAT, Machynlleth, Powys, Wales. ABG, 2010.
- 8 Early scheme for bedrooms on separate site, WISE, CAT. David Lea, from **B323**.
- 9 Plans of WISE. Pat Borer, 2010.
- 10 Section of WISE. Pat Borer, 2007.
- 11 WISE, CAT. ABG, 2010.
- 12 WISE, CAT. ABG, 2010.
- 13 Dining space/lobby, WISE, CAT. Martina Bocci, 2017.
- 14 Entrance porch, WISE, CAT. ABG, 2010.
- 15 Morgan-Grenville courtyard, WISE, CAT. Martina Bocci, 2017.
- 16 Sheppard lecture theatre, WISE, CAT. ABG, 2010.
- 17 East wing staircase, WISE, CAT. ABG, 2010.
- 18 Open gallery on the north side of north wing, WISE, CAT. ABG, 2010.
- 19 Upper courtyard, WISE, CAT. ABG, 2010.
- 20 Building sequence of WISE. Pat Borer, 2007.

12. Reconciliation: Maruyama-gumi

- 1 Ichinosaka, Wajima city, Ishikawa prefecture. Hagino Kiichirō, 2008.
- 2 Map of the township of Mii-machi, Wajima city, Ishikawa prefecture. Adapted from Geospatial Information Authority of Japan, 2019.
- 3 Ichinosaka, Wajima city, Ishikawa prefecture. Hagino Yuki, 2013.
- 4 Maruyama, Mii-machi, Wajima city, Ishikawa prefecture. Hagino Kiichirō, 2013–2014–2011.
- 5 Maruyama-gumi. Hagino Kiichirō, 2011.
- 6 Maruyama-gumi at Hagino house. Hagino Kiichirō, 2012.
- 7 Hagino house, Mii-machi. Hagino Kiichirō, 2011.
- 8 Maruyama-gumi. Hagino Kiichirō, 2012.
- 9 *Tochi ni nezashita kurashi no koyomi Maruyama honzō* [土地に根ざしたくらしの暦 まるやま本草]. Hagino Yuki, 2014.
- 10 Maruyama. Hagino Kiichirō, 2010.
- 11 Hagino house, Mii-machi. ABG, 2019.
- 12 Wajima city, Ishikawa prefecture. Hagino Kiichirō, 2009.
- 13 Hagino house, Mii-machi. Hagino Kiichirō, 2010.
- 14 Axonometric projection of Hagino house. Martina Bocci, 2019.
- 15 Hagino house, Mii-machi. ABG, 2019.
- 16 Hagino house, Mii-machi. Hagino Kiichirō, 2008.
- 17 Hagino house, Mii-machi. Hagino Kiichirō, 2008.
- 18 Hagino house, Mii-machi. ABG, 2019.
- 19 Plans of Hagino house. Hagino Kiichirō, 2006.
- 20 Hagino house, Mii-machi. Hagino Kiichirō, 2010.
- 21 Hagino house, Mii-machi. Hagino Kiichirō, 2008.
- 22 Hagino house, Mii-machi. Hagino Kiichirō, 2009.
- 23 Hagino house, Mii-machi. Hagino Kiichirō, 2009.
- 24 Hagino house, Mii-machi. Hagino Kiichirō, 2009.
- 25 Hagino house, Mii-machi. ABG, 2019.
- 26 Hagino house, Mii-machi. Hagino Kiichirō, 2008.
- 27 Section of Hagino house. Hagino Kiichirō, 2006.
- 28 Surroundings of Hagino house. Maruyama-gumi, 2011.
- 29 Mii, Wajima city, Ishikawa prefecture. ABG, 2019.
- 30 Hagino house, Mii-machi. ABG, 2019.

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