

Vegetarian architecture. Case studies on building and nature

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# VEGETARIAN ARCHITECTURE

CASE STUDIES ON BUILDING AND NATURE

andrea  
bocco  
guarneri

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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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CASE STUDIES ON BUILDING AND NATURE

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# Imprint

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Cross-references between square brackets and printed in brown colour direct the reader to other parts of this book and to the bibliography. For instance, **[→§5]** directs to chapter 5; **[→■9,10,11]** to pictures 9 to 11 within the same chapter as the reference (the illustrations' numbering starts anew for each chapter); while **[→B339:216]** directs to page 216 of the source no. 339, as listed in the references directory at pp. 231–236.

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# Picture credits

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## Vegetarian architecture: a theoretical proposal

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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.
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- 7 Peniarth Uchaf, Llanegryn, Gwynedd, Wales. Virginia Bertolotti, 2017.
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- 9 Rauchstubehaus Großschrotter at the Österr. Freilichtmuseum Stübing bei Graz, Austria. ABG, 2011.
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- 11 Bamboo House II, Bodaiji-gun, Konan city, Shiga prefecture, Japan. ABG, 2019.
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- 22 Survey plan of Hirose house from **B283**. [広瀬家報告書]

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 2 Instructions for tying joints. Toki lab, 2011.  
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- 8 Kritzower See, Kritzow, Germany. ABG, 2018.
- 9 Garden café, Wangelin garten, Wangelin. ABG, 2018.
- 10 Garden café, Wangelin garten. ABG, 2018.
- 11 Lehmhaus, Wangelin garten. ABG, 2018.
- 12 Garden café, Wangelin garten. ABG, 2018.
- 13 Garden café, Wangelin garten. ABG, 2018.
- 14 Gästehaus, Wangeling 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.
- 19 Gästehaus, Wangelin garten. Ajeschka/Marcin Kolakowski, 2011.
- 20 Gästehaus, Wangelin garten. Ajeschka/Marcin Kolakowski, 2011.
- 21 Gästehaus, Wangelin garten. Sabine/Stephanus/Hiroshi, 2011.
- 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

- 1 *Daisuki Kamiyama walking map*. Inlet in top left corner: sketch of Kamiyama food hub premises. Tase Michio 田瀬理夫, 2016.
- 2 Nishiokubo, Kamiyama town, Tokushima prefecture, Japan. ABG, 2019.
- 3 Yorii, Kamiyama town, Tokushima prefecture, Japan. ABG, 2019.
- 4 Yorii, Kamiyama town, Tokushima prefecture, Japan. ABG, 2019.
- 5 Engawa office, Yorii, Kamiyama town, Tokushima prefecture, Japan. ABG, 2019.
- 6 Kamiyama food hub farm, Yorii, Kamiyama town, Tokushima prefecture, Japan. ABG, 2019.
- 7 Yorii, Kamiyama town, Tokushima prefecture, Japan. ABG, 2019.
- 8 Kama pan & store, Yorii, Kamiyama town, Tokushima prefecture, Japan. Food hub project, 2017.
- 9 Kama pan & store, Kamiyama. ABG, 2019.
- 10 Section and plan of Kama pan & store. Shimazu Architectural Design Office, 2016.
- 11 Kama pan & store, Kamiyama. Food hub project, 2017.
- 12 Kamiyama town, Tokushima prefecture, Japan. Food hub project, 2017.
- 13 Kamaya, Yorii, Kamiyama town, Tokushima prefecture, Japan. Food hub project, 2017.
- 14 Kamaya, Kamiyama. Food hub project, 2017.
- 15 Kamaya, Kamiyama. ABG, 2019.
- 16 Kamaya, Kamiyama. ABG, 2019.
- 17 Kamiyama food hub, Kamiyama. Food hub project, 2017–2018.
- 18 Kamiyama food hub, Kamiyama. Food hub project, 2016.
- 19 Kamiyama food hub, Kamiyama. Food hub project, 2016.
- 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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**Andrea Bocco Guarneri**, Ph.D., is Professor of Architectural Technology at the Inter-University Department of Urban and Regional Studies of the Politecnico di Torino. He teaches *Appropriate technology and low-tech architecture*. His publications deal with, among other topics, Bernard Rudofsky, Yona Friedman, analysis of the built environment, regeneration of mountain villages, low-tech contemporary architecture, construction with natural materials, environmental impact, as well as thesauri for architecture and construction. He also worked in the field of urban regeneration, local development, and community hubs. He founded and directed the Local Development Agency of San Salvario (Torino).

