



David Grohmann

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Borgo XX giugno, 74, 06121, Perugia, Italy

● RESEARCH INTERESTS

Research interests

The research interests of Dr. David Grohmann have covered many fields inherent to his scientific disciplinary sector AGR / 10.

In particular, Dr. David Grohmann, over the years, has focused his research activity on the following topics:

- 1) Landscape design
- 2) Nature-based solutions / Green infrastructures
- 3) Urban horticulture
- 4) Participation processes
- 5) Energy efficiency and design of production buildings, in particular, dedicated to animal husbandry
- 6) Bio-based materials

● EDUCATION AND TRAINING

16/07/2001 – piazza dell'Università, 1, Perugia, Italy

MASTER DEGREE IN ENVIRONMENTAL ENGINEERING – University of Perugia

<https://www.unipg.it/>

02/2006 – 31/10/2008 – piazza dell'Università, 1, Perugia, Italy

PH.D. RURAL SUSTAINABLE DEVELOPMENT – University of Perugia

<https://www.unipg.it/>

● WORK EXPERIENCE

30/12/2011 – CURRENT – Perugia, Italy

UNIVERSITY RESEARCH ASSOCIATE – UNIVERSITY OF PERUGIA

Since September 2012, Dr. David Grohmann has been teaching at the Department of Agricultural, Food and Environmental Sciences of the University of Perugia the "Landscape design and representation" course within the undergraduate program in "Environmental and Agricultural Sciences" L09A.

From next semester (fall semester 2021/2022), he will be teaching the "Construction and Design" and the "Landscape planning and Design" courses within the Master Degree in "Sustainable Agriculture."

Dr. David Grohmann, from the institution of the Department of Agricultural, Food and Environmental Sciences (DSA3), has covered the roles of:

- from 2012 to 2015, he was a member of the Joint Commission for Didactics of the DSA3;
- since 2015, he has been a member of the Orientation Commission of the DSA3
- from 2017 to 2019, he was Coordinator of the Orientation Commission of DSA3;
- Member of the technical panel promoted by the Region of Umbria and the Prophylactic Zootechnical Institute, and the University of Perugia on the subject of post-earthquake reconstruction of livestock production buildings in Valnerina;
- Member of the technical table of the Umbria Region - ANCI - Department of Agricultural, Food and Environmental Sciences on urban horticulture;
- Member of the technical table for the definition of the Green Regulations of the Municipality of Perugia;

- Member of the group promoting the OrtoBello Perugia project (project for the construction of a community garden dedicated to urban horticulture in the Borgo XX Giugno district - Perugia);
- Coordinator of the scientific dissemination project "Trees of Knowledge" created in collaboration with the show "Two for Tree and Orchestra," which saw the soloists Paolo Fresu and Daniele di Bonaventura perform together with the Perugia Chamber Orchestra;
- For three years, he was the coordinator of his Department for the SHARPER event - The European Researchers' Night.
- On November 9, 2020, Dr. Grohmann was appointed Director of the University Center of the Scientific Museums of the University of Perugia.
- Dr. Grohmann is responsible for the organization of the Sharper project - European Researchers' Night 2021 for the University of Perugia.

2006 – 2007 – Perugia, Italy

PROJECT SUPPORT – E.G.B.M. S.R.L.

Consultant for environmental aspects related to the design of 1 MW anaerobic biodigestion plants

- Bibliographic analysis
- Context analysis
- Relations with stakeholders

02/06/2003 – 02/02/2004 – Corciano, Italy

PROJECT SUPPORT – STERLING S.N.I.F.F.

Assistant to the engineering and maintenance sector

- Maintenance assistant
- Design of a pilot plant for the treatment of industrial waste by membrane process and photocatalysis

● **PROJECTS**

Scientific projects

Scientific Coordinator of the project: The techniques of representation for the innovation of wooden constructions - Funded by the Umbria Region through Public Notice Umbria A.R.C.O., POR FSE Umbria 2014-2020 - Axis 3 - Investment priorities 10.3. Research fellow: Alessandro Buffi;

- Scientific coordinator of the project of a vertical greening system and refurbishment of the garden of the Istituto Comprensivo "G. Ferraris" of Spello (PG);
- Scientific coordinator of the project "Development and monitoring model of urban green areas" created in collaboration with the Municipality of Lumezzane (BS);
- Scientific coordinator of the S. Pietro Green Team project, a project dedicated to the maintenance and design of open spaces of the DSA3;
- Responsible for the management of the social garden project "S. Peter's collective garden," created within the appurtenances of the DSA3 with the involvement of the inhabitants of the neighborhood and the Perugia 3 Comprehensive Institute (<https://www.interregeurope.eu/policylearning/good-practices/item/2846/the-vegetable-gardens-of-st-peter-perugia-italy-the-rebirth-of-a-forgotten-place/>);
- Scientific coordinator of the participatory planning process of the garden of the XX Giugno school (Istituto Comprensivo 3) - Perugia;

● **INTERNATIONAL ACTIVITIES**

International Activities

- Visiting Scholar at the University of Washington (Seattle- US) – Landscape Architecture Department (UWLA)
Fall quarter 2017

Tutor: Prof. Jeff Hou

Research: Integrating Community Gardens into Urban Parks: Challenges and Lessons in Planning, Design, and Management from Seattle

- since 2018, he collaborates with prof. Daniel Winterbottom to the realization of a Design/Build Studio projects to be carried out in Umbria in collaboration with the University of Washington.

- In 2019, he was Visiting Scholar at the Department of Landscape Architecture of the University of Sheffield

Tutor: Prof. Anna Jorgensen

- **Reviewer and Referee**

Since 2018 David Grohmann has served as an expert reviewer, rapporteur, and co-chair for various H2020 projects. David Grohmann regularly plays the role of reviewer of several indexed scientific journals.

● CONFERENCES AND SEMINARS

International and National Conferences participation - selection

International

- European Council of Landscape Architecture Schools (ECLAS) Conference 2018 - "Landscapes of Conflicts". 9-12 September 2018, Ghent
- *The Father Of Seattle's Community Gardens Turns 45: Lessons Learned At Picardo Farm P-Patch;*
- International Conference "Healthy landscapes: green, regeneration, safety". 6-8 June 2018, Bologna
- *Community gardens as healing tools for patients with eating disorders;*
- *A Structured listening method to retrofit a urban park evaluating the urban green system;*
- International Conference "Green Infrastructures: Nature based solutions for sustainable and resilient cities". 4-7 April 2017, Orvieto
- *Small-scale green infrastructures: a literary review of the future of urban green spaces design;*
- 53rd IFLA WORLD CONGRESS:TASTING THE LANDSCAPE. 20-22 April, 2016. Torino
- *The vegetable gardens of St. Peter (Perugia-Italy): the rebirth of a forgotten place.*
- 44th International Symposium on Agricultural Engineering: Actual Tasks on Agricultural Engineering "Actual Tasks on Agricultural Engineering-Zagreb", 23-26 February 2016, Opatija – Croatia
- *Green Infrastructures: Tree Trenches For Stormwater Management In Urban Environments*
- XXXV CIOSTA Conference "From Effective to Intelligent Agriculture and Forestry". July 3 - 5, 2013, Billund, Denmark
- *Optimization of thermal performances in livestock housing design solutions using Genetic Algorithms;*
- *The use of dynamic energy simulation for the optimization of sustainable building envelopes: an application for extensive sheep farming;*

National

- Conference AIIA Mid-Term 2019 "Biosystems Engineering for sustainable agriculture, forestry, and food production". 12-13 September 2019. Matera.
- *Urban Agriculture, Cui Prodest? Seattle's Picardo Farm as Seen by Its Gardeners.*
- 11th International AIIA Conference: "Biosystems Engineering addressing the human challenges of the 21st century" 5-8 July 2017, Bari
- *Valorization of key buildings of the traditional rural landscape in central Italy: the case study of the "casa colonica";*
- *Valorization of Tilia sp. 's pruning waste as insulation material.*
- Second Interdipartimental Congress: Fare Scienza Oggi. 15-16 dicembre 2016. Perugia
- *Gli orti di S. Pietro: un'esperienza di citizen science a Perugia;*
- X Conference of Italian Society of Agricultural Engineering "Horizons in agricultural, forestry and biosystems engineering". International Conference, 8-12 September 2013, Viterbo
- *Implementation of a genetic algorithm for energy design optimization of livestock housing using a dynamic thermal simulator;*
- *Optimization of sustainable buildings envelopes for extensive sheep farming through the use of dynamic energy simulation;*

● PUBLICATIONS

Selected Publication

1. M.E. Menconi, L. Heland, D. Grohmann, (2020). Learning from the gardeners of the oldest community garden in Seattle: Resilience explained through ecosystem services analysis, *Urban Forestry & Urban Greening*, Volume 56.
2. Menconi ME., Tasso S., Santinelli M., Grohmann D. (2020). A card game to renew urban parks: Face-to-face and online approach for the inclusive involvement of local community. *Evaluation and Program Planning*, vol. 79.
3. Grohmann D., Petrucci R., Torre L., Micheli M., Menconi ME. (2019). Street trees' management perspectives: reuse of *Tilia* sp. 's pruning waste for insulation purposes. *Urban Forestry & Urban Greening*, p. 177-182, Vol. 38;
4. Menconi ME., Artemi S., Borghi P., Grohmann D. (2018). Role of Local Action Groups in Improving the Sense of Belonging of Local Communities with Their Territories. *Sustainability* 10(12), 4681;
5. Hou J.; Grohmann D. (2018). Integrating Community Gardens into Urban Parks: Lessons in Planning, Design and Partnership from Seattle. *Urban Forestry & Urban Greening*, p. 46-55, Vol. 33;
6. Menconi M. E.; Grohmann D. (2018). Participatory retrofitting of school playgrounds: Collaboration between children and university students to develop a vision. *Thinking Skills and Creativity*, p. 71-86, Vol 29;
7. Rocchi, L.; Kadziński, M.; Menconi, M.E.; Grohmann, D.; Miebs, G.; Paolotti, L.; Boggia, A. (2018). Sustainability evaluation of retrofitting solutions for rural buildings through life cycle approach and multi-criteria analysis. *Energy and Buildings*. P. 281-290, Vol. 173;
8. Kadziński, M.; Rocchi, L.; Miebs, G.; Grohmann, D.; Menconi, M.E.; Paolotti, L. (2018). Multiple Criteria Assessment of Insulating Materials with a Group Decision Framework Incorporating Outranking Preference Model and Characteristic Class Profiles. *Group Decision and Negotiation*. P. 33-59, Vol. 27;
9. Menconi M. E.; Grohmann D.; Mancinelli C. (2017). European farmers and participatory rural appraisal: A systematic literature review on experiences to optimize rural development. *Land Use Policy* p. 1-11, Vol. 6;
10. Menconi M. E.; Chiappini M.; Hensen J.; Grohmann D. (2017). Thermal comfort optimisation of vernacular rural buildings: Passive solutions to retrofit a typical farmhouse in central Italy. *Journal of Agricultural Engineering*. p. 127-136, vol. 68;
11. Menconi M. E., Dell'Anna S., Scarlato A., Grohmann D. (2016). Energy sovereignty in Italian inner areas: Off-
12. Menconi M. E., Grohmann D. (2014). Model Integrated of Life-cycle costing and Dynamic thermal simulation (MILD) to evaluate roof insulation materials for existing livestock buildings. *Energy And Buildings* (ISSN: 0378-7788) p. 48 - 58 Vol. 81;
13. Menconi M. E., Stella G., Grohmann D. (2013). Revisiting the food component of the ecological footprint indicator for autonomous rural settlement models in Central Italy. *Ecological Indicators* (ISSN:1470-160X) p. 580 - 589 Vol. 34;

● LANGUAGE SKILLS

Mother tongue(s): ITALIAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Word | Microsoft Powerpoint | Google Drive | SketchUp Pro | Photoshop

● CREATIVE WORKS

2015 – CURRENT

Member of the artists collective Becoming X

- Founding member and member of the board of the Becoming X APS Association.
- The members of this association form a collective of artists dedicated to the visual arts (painting, comics, illustration), photographers, and musicians with whom David Grohmann, in the last 5 years, has organized and participated in numerous performance and exhibition events, with the participation in festivals in various Italian cities (including MystFest- Cattolica; Lars Rock Fest - Chiusi; Nuvolette - Rovereto).
- David Grohmann has published some illustrations of him in specialized publications and exhibition catalogs (<https://www.the-mag.org/the-mag-45/?fbclid=IwAR1qzLdMRRDYwomAoMbPCZz7CwqSS8YIIE8fWxxbjsfnRACVldH1n2ARw>).

2005 – CURRENT

Member of the Umbria Comics Association board

- Member of the Umbria Comics Association board, which manages the most important national public library specializing in comics, the Biblioteca delle Nuvole (<http://www.bibliotecadellenuvole.it/>) in Perugia.
- With this association, he was responsible for the preparation of numerous exhibitions in various dedicated spaces in the city of Perugia, from the Museum of Palazzo della Penna to the National Gallery of Umbria (<https://www.youtube.com/watch?v=HjBs8Qqswc>)

<https://www.bibliotecadellenuvole.it/>

1990 – CURRENT

Musician

- David Grohmann graduated in solfeggio from the Perugia Conservatory.
 - He has carried on an activity as a musician and composer for over twenty years with various musical formations, performing in numerous concerts in Italy and abroad.
 - The music of the latest production “Fearful Symmetry” can be heard here: <https://www.reverbnation.com/dapescollective>
- The show, inspired by the work of William Blake, debuted in 2012 at Wilton’s Music Hall in London in collaboration with the Re-Building Collective
- The latest video production, the result of cinema workshops held with the “Osvaldo Turchetti” primary school in Ponte Pattoli: Wolves in the Walls (adaptation of the Wolves in the Walls by Neil Gaiman & Dave McKean)
- <https://www.youtube.com/watch?v=KagktTWJbQ>
<https://www.youtube.com/watch?v=EiqE6EejqL4>
(with the roles of director, curator of the screenplay adaptation, composer, and musician)

https://www.youtube.com/watch?v=TU0xtDBpVN8&ab_channel=davidgrohmann

● LINKS

Links

Institutional page: <https://www.unipg.it/personale/david.grohmann>

ORCID ID: <https://orcid.org/0000-0002-1949-1669>

MENDELEY profile: <https://www.mendeley.com/profiles/david-grohmann/>

SCOPUS profile: <https://www.scopus.com/authid/detail.uri?authorId=55807531900&eid=2-s2.0-85058181184>

RESEARCHGATE profile: https://www.researchgate.net/profile/David_Grohmann

GOOGLE SCHOLAR: <https://scholar.google.co.uk/citations?user=8utjwBkAAAAJ&hl=it>