URBAN AGRICULTURE AS AN INTEGRATIVE FACTOR OF CLIMATE-OPTIMISED URBAN DEVELOPMENT, CASABLANCA

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Technische Universität Berlin
Chair of Landscape Architecture / Open Space Planning
Prof. Undine Giseke

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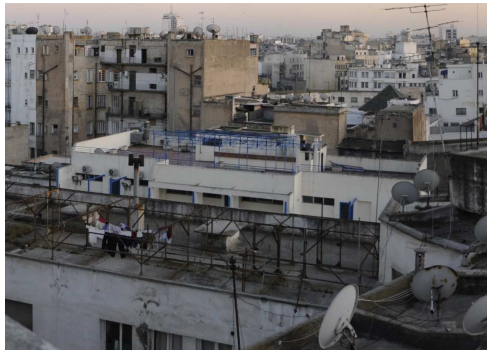


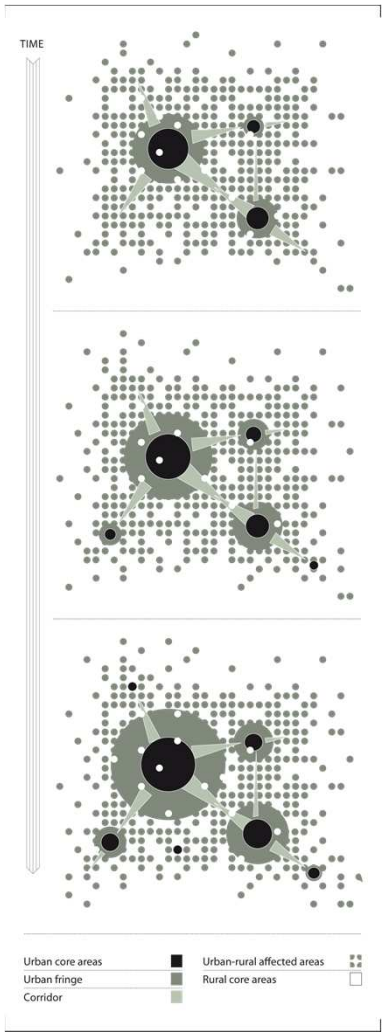


FIGURE 1 The urbanizing region and its rural
(Kasper, Giseke, Spars, Heinze, Feiertag, Naismith and Berdouz in Giseke et al., 2014, 'E1.2 A model approach to urbanizing regions and their rural: E1 Connecting spheres: Urban Agriculture as a multidimensional concept')

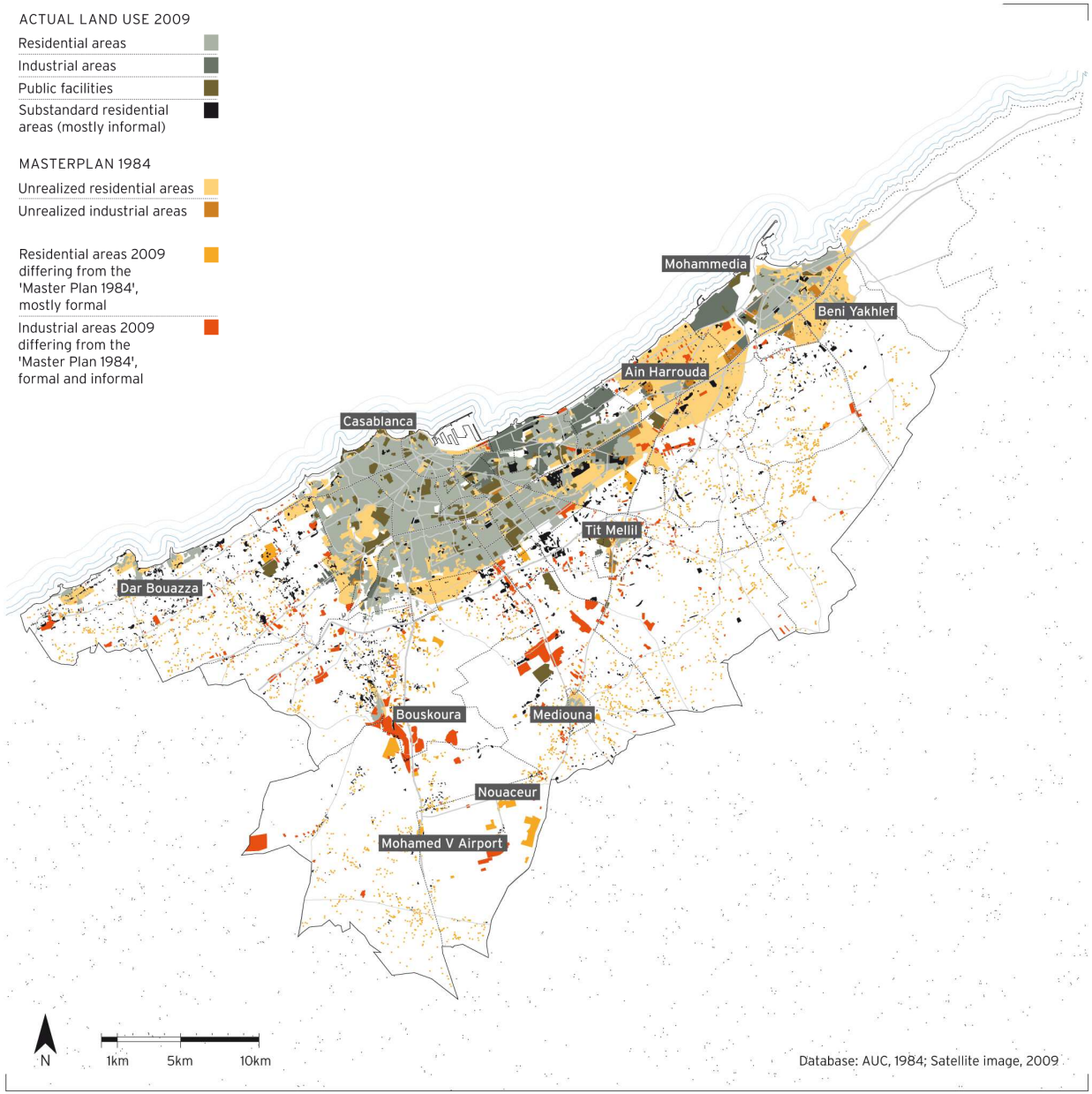


FIGURE 2 The urban gap of Grand Casablanca: differences between planned (master plan 1984) and actual land use (2009)
(Giseke, Kasper, Wieck, Spars, Feiertag, Adidi, Mdafai, Bock, Moustanjidi in Giseke et al., 2014, 'C3.1 Urban space production: C3 Problemoriented analysis')

UAC project 2005 – 2014

City + agriculture in an urbanizing region
Integrated urban development
Synergies between the urban and the rural sphere
Urban food system, regional open space system, regional water system

2 INSTITUTIONAL SETTING & ACTORS

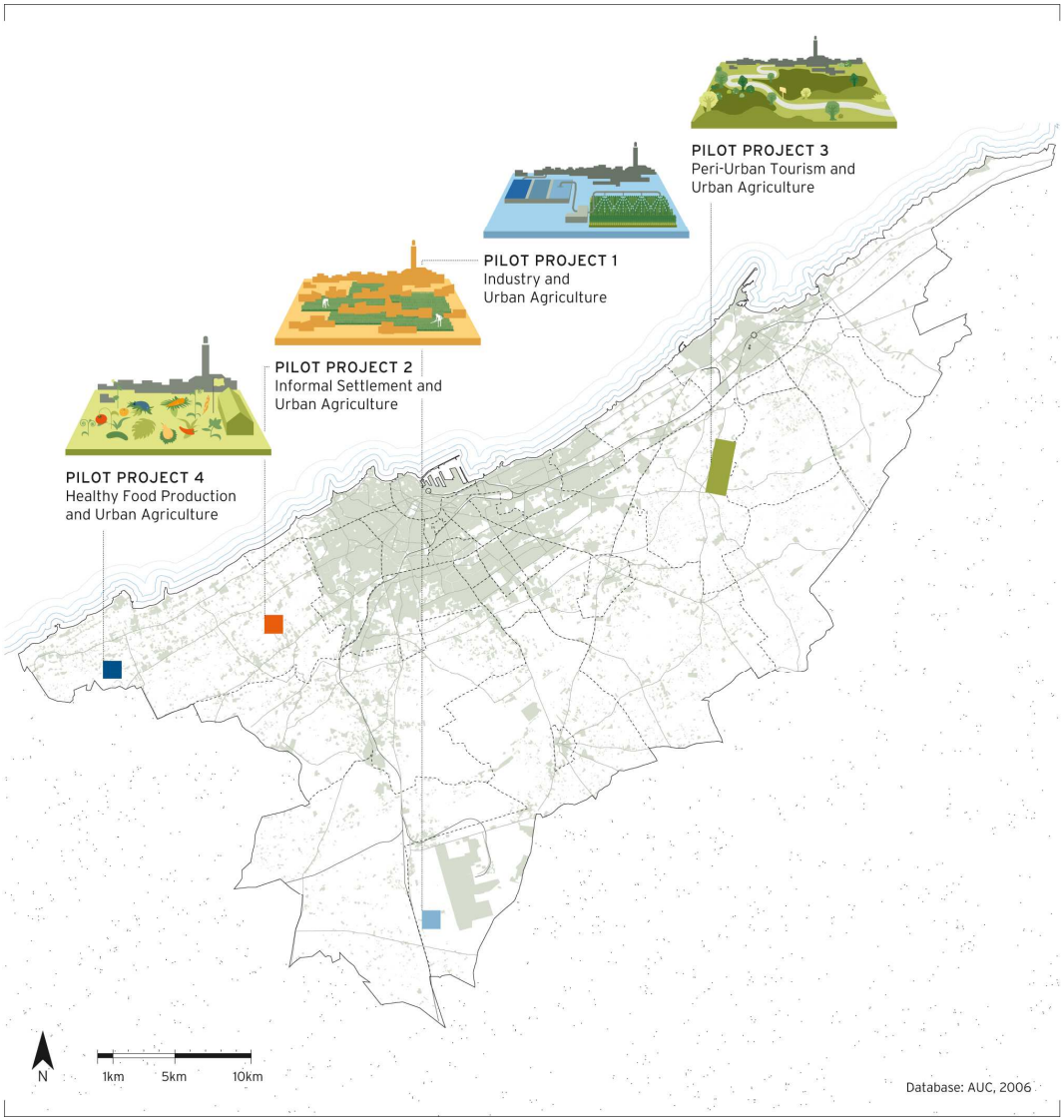
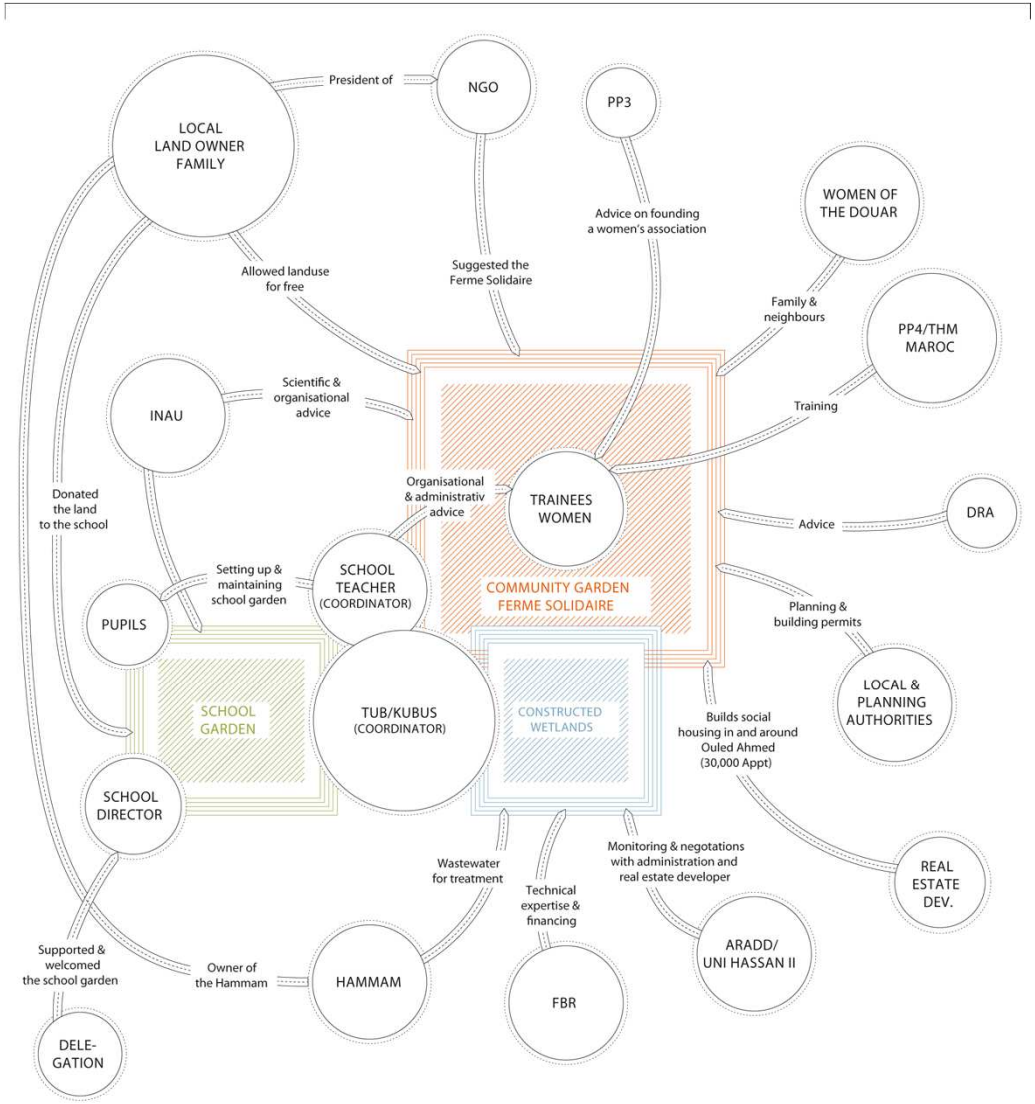


FIGURE 3 Localization of the four Pilot Projects

Gerster-Bentaya, Giseke and Amraoui in Giseke, 2014, 'D2.1 Introduction to the Pilot Projects: D2 Testing synergies and stimulating action: the four Pilot Projects'

Pilot Projects as innovative approaches

Action based research process
Own budget & responsibility
Steering committee of local actors, administration & researchers
Common ownership
Integrated knowledge production



The location of the circle indicates the involvement in the project.
The size of the circle indicates the importance of the actor.
The arrows describe the linkage that exists between the different actors.

ARADD	Action research association for sustainable developement of Grand Casablanca
DRA	Regional department of agriculture
fbr	Association for rainwater harvesting and water utilization, Darmstadt
INAU	National institute of spatial planning and urbanism, Rabat
TUB/kubus	Technische Universität Berlin/ Cooperation and consulting for environmental questions

FIGURE 4 Stakeholder involvement of the Pilot Project 2

Prystav, Chahed, Essoubi, Helten, Mdafai and Amraoui in Giseke, 2014, 'D2.3 Pilot Project 2: Informal settlement and Urban Agriculture: D2 Testing synergies and stimulating action'

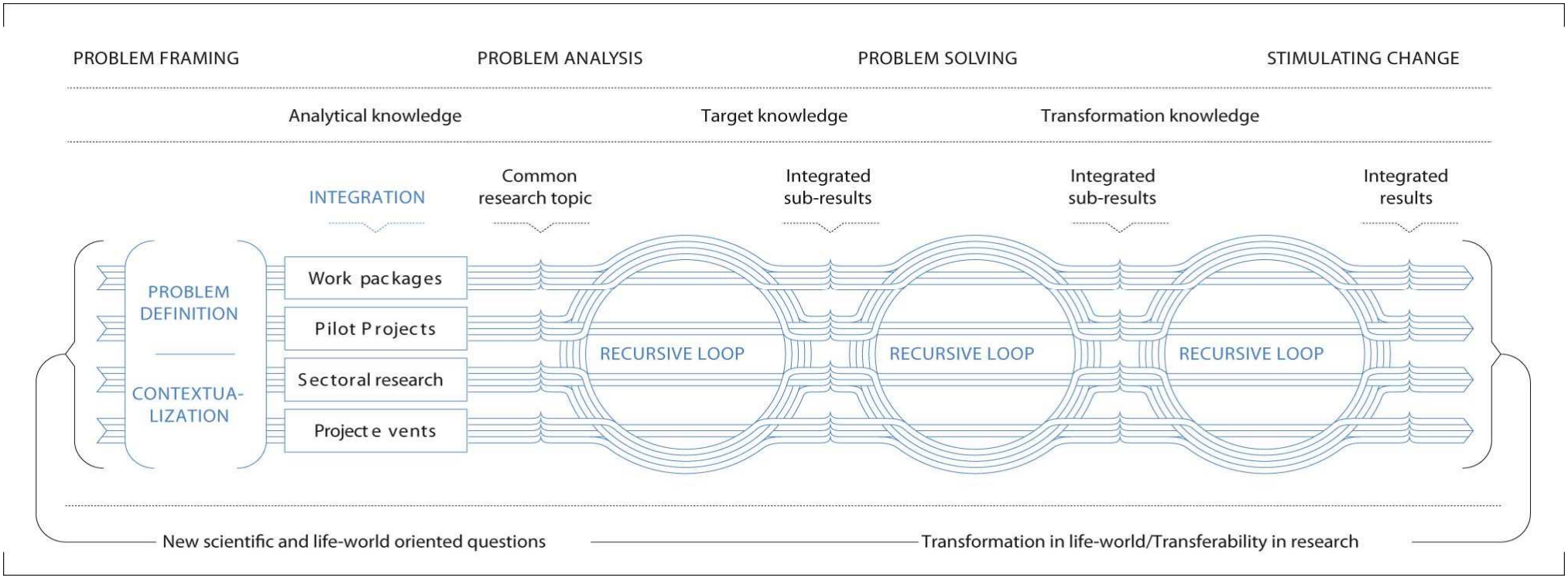


FIGURE 5 The basic scheme of integrated knowledge production in the UAC project

Giseke, Wieck, Jessen, Martin Han, Gerster-Bentaya and Helten in Giseke et al., 2014, 'A3.2 The UAC project: Doing transdisciplinarity: A3 The UAC methodology'

Transdisciplinary approach

Towards problem-solving
Generating common visions
Pilot Projects with concrete short-term action

Future Search Workshop, UAC project

FIGURE 6 The 'Bioproduction Module' (Team IND, 2011, p24)

Giseke, Wieck, Bock, Mansour,Harroud and Gerster-Bentaya in Giseke et al., 2014, 'E1.7 A way to make it work: Transdisciplinary design solutions: E1 Connecting spheres : Urban Agriculture as a multidimensional concept'

Vive Casa, public campaign

4 OUTPUTS / RESULTS

PP2 Ouled Ahmed

Informal settlement & Urban Agriculture

Prototyp of a multifunctional modul

Educational farm with integrated water reuse system

Women cooperative

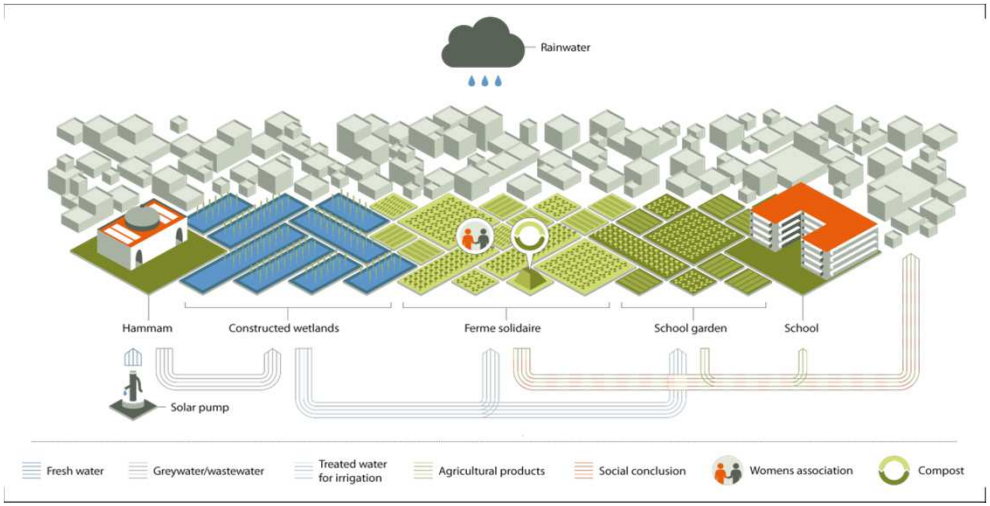


FIGURE 7 The multidimensional processes and products of the Pilot Project 2
Prystav, Chahed, Essoubi, Helten, Mdafai and Amraoui in Giseke et al., 2014,
'D2.3 Pilot Project 2: Informal settlement and Urban Agriculture: D2 Testing synergies and stimulating action: the four Pilot Projects'

PP4 Dar Bouazza

Healthy food production & Urban Agriculture

Educational farm (NGO Terre et Humanisme)

Healthy food-producer network
Training of farmers for ecological production

Business-modelllinking producers and consumers (food-baskets)

Farmers cooperative

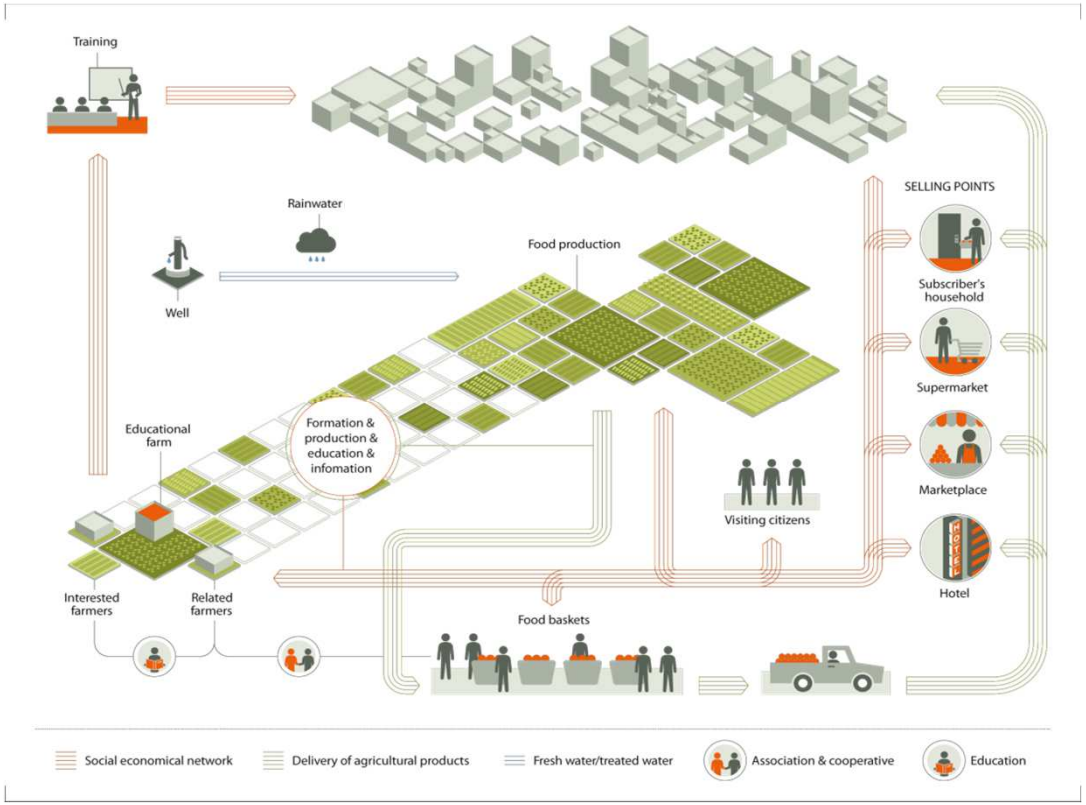


FIGURE 8 The multidimensional processes and products of the Pilot Project 4
Naneix, Benabdenbi and Giseke in Giseke et al., 2014,
'D2.5 Pilot Project 4: Healthy food production and Urban Agriculture: D2 Testing synergies and stimulating action: the four Pilot Projects'

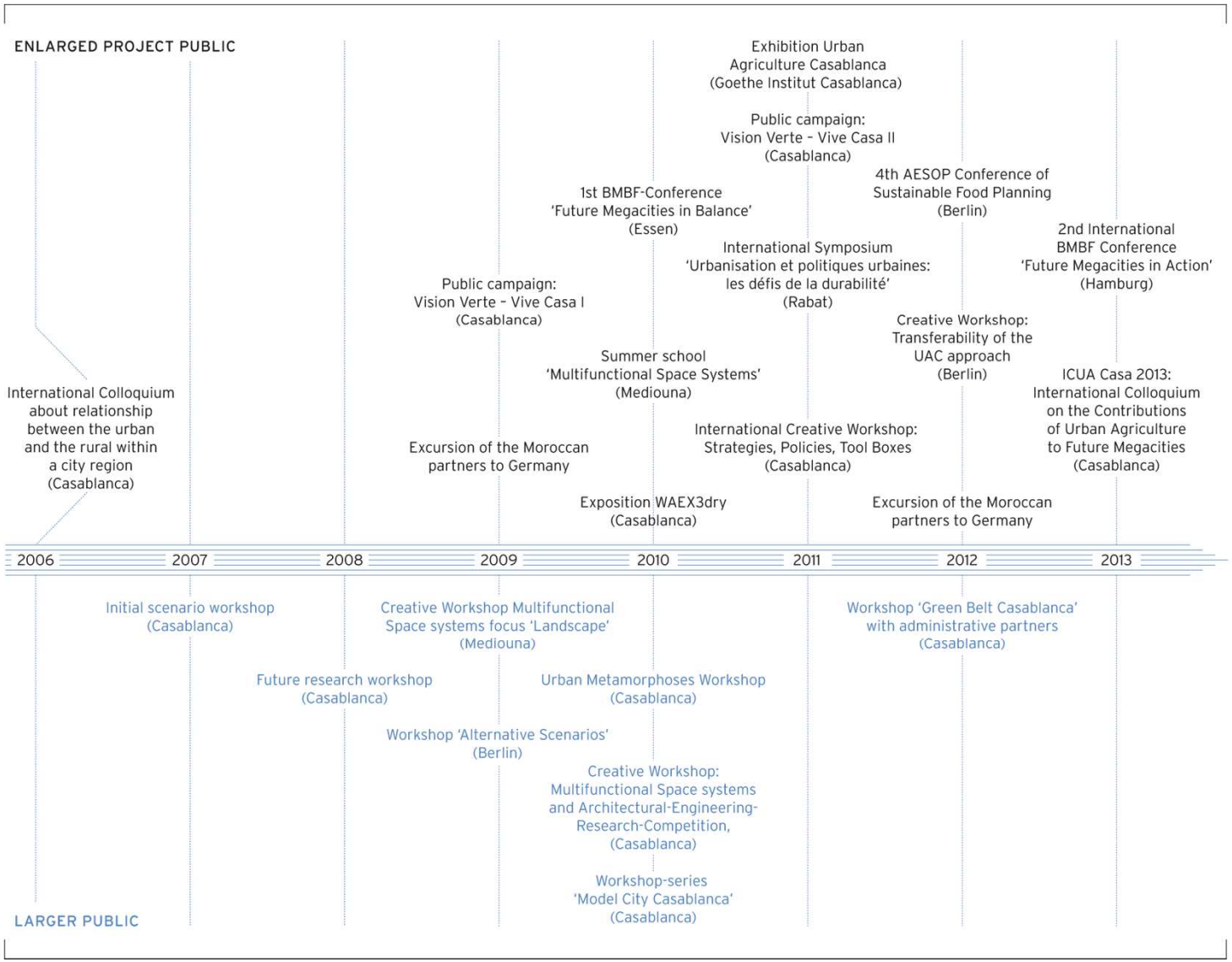


FIGURE 9 Integration and communication: UAC project events
Giseke, Wieck, Jessen, Martin Han, Gerster-Bentaya and Helten in Giseke et al., 2014, 'A3.2 The UAC project: Doing transdisciplinarity: A3 The UAC methodology'

Doing transdisciplinarity

Need for integrative communication
Own budget as innovative and activating tool
Local actors involved to take ownership and responsibility
Need for transsectoral interchange and approaches to cross sectoral divides in policies and action

5 LESSONS LEARNT

Integrative book publication, 2014, forthcoming

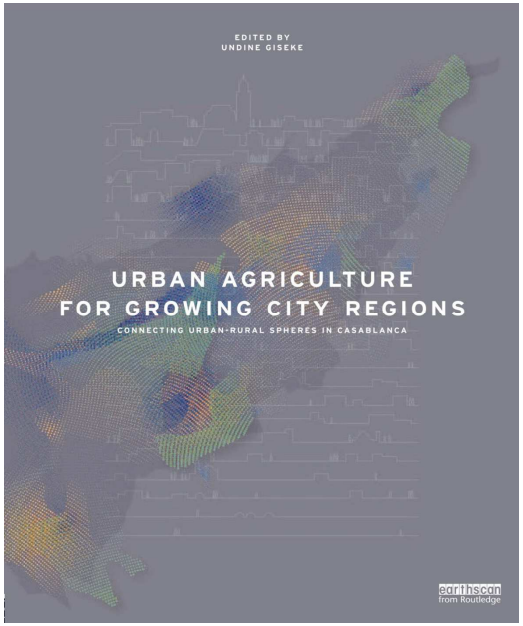


FIGURE 10 Cover UAC publication
All Figures 1-11 referenced from the UAC publication

U. Giseke, M. Gerster-Bentaya, F. Helten, M. Kraume, D. Scherer, G. Spars, A. Adidi, F. Amraoui, S. Berdouz, M. Chlaida, M. Mansour, M. Mdafai (eds) (2014) Urban Agriculture for Growing City Regions. Connecting Urban-Rural Spheres in Casablanca, Routledge, Oxon, Abingdon, New York, forthcoming

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Transferability

Can the UAC project's approach or parts of it be transferred to other urban growth centres in the southern hemisphere, and if so, how?

Does a similar initial situation need to exist? In what areas, and how, can this be detected?

How can approaches be de-contextualized and re-contextualized?

Multiply the prototyp

Strengthening the consistency and permanency of the input through institutionalization

Multifunctional center for environment and social advanced training

FIGURE 12 Design of the multifunctional center (Yassine Moustanjidi, 2014)

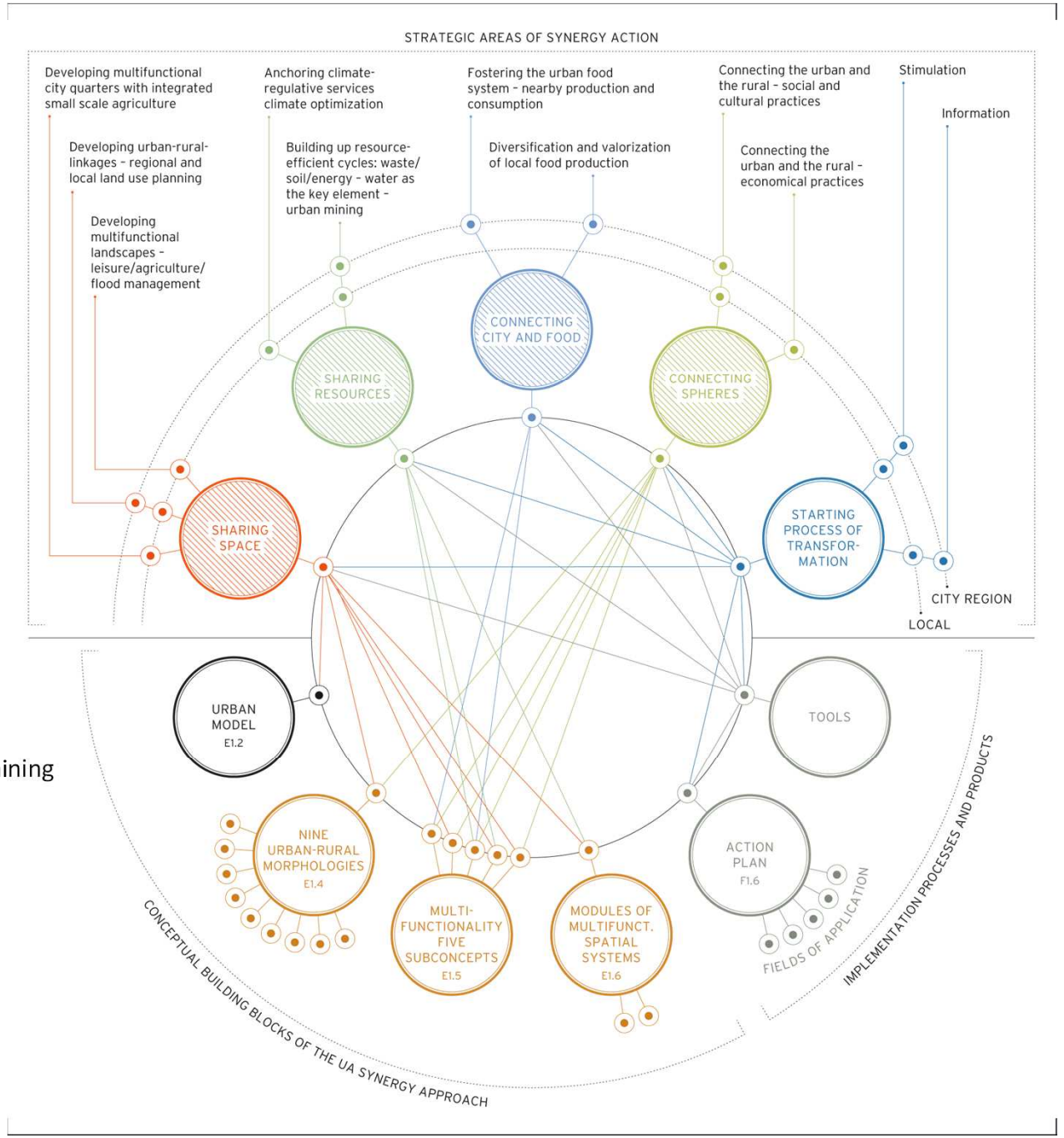

FIGURE 11 Identification of strategic areas of action

Brandt, Giseke, Naneix, Kasper, Gerster-Bentaya, Amraoui, Adidi, Mansour, Chlaida and Wieck in Giseke et al., 2014, 'G1 Transferability - Learning from the UAC project'