

TU Berlin | Department of Architecture

# DesignBuild-Studio

## New Ways in Architectural Education

>>>>>>>>>>>>> cross-cultural, practice-oriented projects in teaching and research

### *Symposium Proceedings*



Edited by Ursula Hartig and Nina Pawlicki  
CoCoon\_sector for contextual construction  
[www.cocoon-studio.de](http://www.cocoon-studio.de)

# Imprint

DesignBuild-Studio: New Ways in Architectural Education  
Symposium Proceedings  
Editors: Ursula Hartig, Nina Pawlicki,  
CoCoon\_sector for contextual construction

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*Cover:  
Used T-shirts worn on site during DesignBuild-Studios in  
Mexico run by the Technische Universität Berlin as part of  
the entry wall of the exhibition in 2012.*

*Picture-Credit: CoCoon*

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## ***Collateral Effects***

The "Collateral Effects" scattered in the following pages tell remarkable stories regarding the new professional and personal horizons opened up by different people's participation in DesignBuild-Studios.

They were part of the exhibition accompanying the symposium at the Technische Universität Berlin in 2012.

# Preface

In December 2012, we were part of an enthusiastic and inspiring encounter of DesignBuild protagonists, participants, supporters and many other related and interested people. The resonance was incredible and we, as initiators and hosts, felt we were left with a mission by the end of the symposium: to stay in touch and create a worldwide network of the various actors in order to overcome the obstacles everyone seemed to face.

We established a research group, the EDBKN (European DesignBuild Knowledge Network) that successfully applied for EU funding to build up a DesignBuild network with related web-based exchange platform. We intensified the connection to the North-American DesignBuild movement and participated in another thrilling conference in Halifax in October 2014.

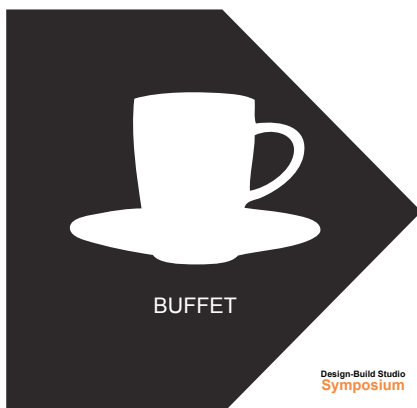
Besides the huge steps we made in pushing the network further, we also worked on editing a book as an outcome of the symposium. However, as the symposium wasn't a classical conference with written and presented papers, it was quite cumbersome to find a suitable format for it.

Therefore, we recently decided to separate the actual book from a documentation of the symposium - that is what you get here now as a free PDF. It includes the prompts of the Think Labs discussions, a directory of the speakers, the programme of the 'Vernacular Aspiration Bus Tour' on the last day and, as a teaser, two studio-profiles that will also be published in the book.

We are still working on this substantial book on the actual DesignBuild discussion together with a publisher. We will take the opportunity to deepen the topics, showcase more selected studios and their projects. It will include positions, movements, universities, studios and people we got to know in the last two years. The 'Live Projects' movement in the United Kingdom, for example, we failed to invite to the symposium simply because we did not know that 'Live Projects' is another word for a very similar methodology.

We wish you success with your DesignBuild endeavours and other projects and hope to keep you as a part of the DesignBuild Community.

Let's stay connected!



After two more years of conference routine and comparison, we wanted to express again our thanks to the people that made this symposium such a beautiful, inspiring and memorable event.

### **The keynote speakers who came for free or very little money and with huge enthusiasm**

- Andres Lepik, Steve Badanes, Alfredo Brillembourg, Sergio Palleroni, Eike Roswag

### **The Symposium and Exhibition Team**

- Valentina Rojas Loa: curator and organisation  
- The Seminar on Architecture Communication, TU Berlin for excellent graphics and design, exposition concept, design and execution, lovingly catering-, registration-, and wardrobe service, professional film and audio recording  
Madelaine Coline, Laura de Pedro, Natalia Deus, David Fontcuberta, David Freijeiro, Olivia Grandi, Alicia Gutiérrez, Malte Heinze, Paul Künzel, Stefan Liczkowski, Frithjof Meissner, Christof Sitzler  
- Sabine Konopka and team and Burkhardt Lütke for exhibition support

### **The people who supported the 'Vernacular Aspiration' tour and permitted us spectacular insights**

- Felix Rohde, Britta Bürger, Andy Wolf, Antje Rautenschlein, Marco Clausen, Jana Seifert

### **The film team and equipment**

- Fred Plassmann 'offscreen / architecturclips' and 'a prima vista'

### **The host**

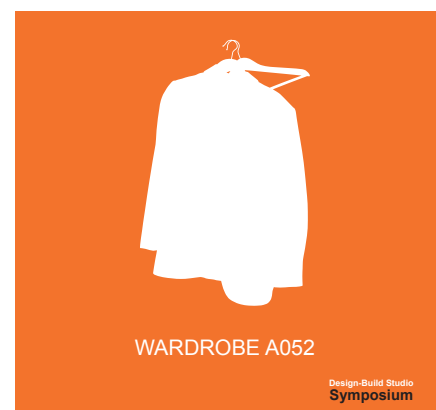
- TU Berlin for the space, equipment and facilities  
- The Habitat Unit, TU Berlin: Prof. Dr. Peter Herrle for his kind support

### **The financial support from:**

- DAAD, the STO Stiftung, Freunde der TU Berlin e.V., Verein der Freunde der Studiengänge der Architektur VFFA and private donations

**All wonderful speakers, moderators, discussion partners and exhibitors who came to share their knowledge and passion, especially Prof. Ingrid Goetz because this event was the consequence of her work.**

Ursula Hartig and Nina Pawlicki, CoCoon  
May 2015



# PROGRAMME

Day 1\_ **Thursday Nov 29th** >> *Open to the Public*

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REGISTRATION

**Foyer** from 07:30

WELCOME AND INTRODUCTION

**A 151** 09:30

**Ursula Hartig** (CoCoon, TU Berlin)

OPENING SPEECH

**Prof. Dr. Hans-Ulrich Heiß**, Vice President of Technische Universität Berlin

Panel 1\_DESIGNBUILD-STUDIO PRESENTATION

09:45

Moderation: **Ursula Hartig** (CoCoon, TU Berlin)

**Dr. Frank Hassenewert** (CoCoon, TU Berlin) "Mexiko Projekt", Mexico

**Prof. Judith Reitz** (PBSA Duesseldorf), **Bernadette Heiermann** (RWTH Aachen)

"Design-Build: Methods for Sustainable Building", South Africa

**Dr. Peter Fattinger** (TU Wien) "Design-Build-Studio, Vienna University of Technology"

Austria / South Africa / Indonesia

**Break** 11:30

**Dr. Roberta Nicchia** (Archintorno, Italy) "Experiences of Participatory Design and Building with Indigenous Communities of Mexico"

12:00

**Renato D'Alençon Castrillón** (TU Berlin; PUC Chile) "Reclaiming Heritage", Chile / Haiti

**Piers Taylor** (AA London) "Contingent Space - Between Designing and Making", England

**Lunch** 14:00

Panel 2\_BEST PRACTICE

15:00

Moderation: **Friederike Meyer** (Journalist, Bauwelt, Germany)

**Prof. Steve Badanes** (Neighborhood Design Build Studio, University of Washington)

"Full Scale", USA

**Eike Roswag** (ZRS Architekten Ingenieure, Berlin) "Building Culture and

Tradition: Options of Development"

**Break** 16:30

**Prof. Sergio Palleroni** (BaSiC Initiative, Portland State University, USA) "Participatory

17:00

Community Design as Means of Creating an Expanded Context", USA

**Prof. Alfredo Brillembourg** (Urban-Think Tank / Chair of Architecture and Urban Design, ETH Zurich, Switzerland) "Designing for Impact"

DISCUSSION AND CLOSING STATEMENT

18:30

Moderation: **Friederike Meyer** (Journalist, Bauwelt)

VERNISSAGE AND RECEPTION, WELCOME SPEECH

**A 151/ Foyer** 19:30

**Prof. Ingrid Goetz**, Guest of Honour (Founder and Patron of Mexiko Projekt, TU Berlin)

**Day 2\_ Friday Nov 30th** morning session >> *registered participants only*

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WELCOME AND INTRODUCTION

A 151 09:00

**Nina Pawlicki** (CoCoon, TU Berlin)

MISSION STATEMENT

09:10

**Prof. Dr. Andres Lepik** (Architecture Museum TU München)

Think Lab 1. 1\_ CONSTRUCTION AND DESIGN

Room A 111 09:30

Moderation: **Kristien Ring** (AA Projects)

**Prompts:**

**Bärbel Müller** (University of Applied Arts Vienna) “[Applied] Foreign Affairs, beyond one’s own nose”

**Daniel Weinhold/ Prof. Dr. Klaus Rückert** (Civil Engineer; TEK-TU Berlin)

“TEK- Interdisciplinarity in Civil Engineering “

**Prof. Dr. Ted Cavanagh, Prof. Peter Sassenroth** (Costal Studio, Dalhousie University, Canada) „Innovative Structures and the Design-Build Model of Teaching“, Halifax

**Mathias Heyden** (TU Berlin, ISPARA) „Community Design. Envolvement and Architecture in the U.S. Since 1963“

Think Lab 1. 2\_ HOPES AND FEARS OF COOPERATION

Room A 053 09:30

Moderation: **Alexandra Linden** (GIZ)

**Prompts:**

**Thomas Guthmann** (Journalist, Compa Ass.) “Compa, Comunidad de Productores de Arte“, Bolivia

**Alejandro Vidal** (UNAM Mexico) “A Classroom for Equality, Workshop of Practical Architecture“, Mexico

**Markus Dobmeier** (Bauen für OrangeFarm e.V., München) “studio mzamba - strategies in a long term project“

**Klaus Teschner** (MISEREOR) “Young architects and their different roles in local projects supported by development agencies.“

Think Lab 1. 3\_ LEARNING BY DOING

Room A 060 09:30

Moderation: **Nina Nedelykov** (Bundesarchitektenkammer, UIA)

**Prompts:**

**Birgit Klauck** (Programme Director, Department of Architecture, TU Berlin) “Architectural Education - far from reality?“

**Michael Dickson** (University of Queensland, Australia) “Learning at One to One: The Live Project Experience“, Venice, Salomon Islands

**Dr. Paola Alfaro d’Alençon** (Habitat Unit\_TU Berlin)

“Überlebenskunst-Festival“, Germany

Lunch 12:00

**Day 2\_ Friday Nov 30th** afternoon session >> *registered participants only*

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Think Lab 2. 1\_ CONSTRUCTION AND DESIGN Room A 111 13:30

Moderation: **Dr. Melonie Bayl-Smith** (UTS-Australia)

**Prompts:**

**Prof. Dr. Preechaya Sittipunt, Dr. Scott Drake** (Chulalongkorn University, Thailand)

“Making Merit Through Architecture, Design Build projects at INDA“, Thailand

**Alfonso Sánchez Cruz, MA.** (Nuevos Horizontes, Oaxaca, Mexico) “Rescue of the Traditional Housing: Social and Environmental Responsibility“, Mexico

**Dr. Christof Ziegert** (ZRS Architekten und Ingenieure, Berlin) “Ressource Adaptive Design“

Think Lab 2. 2\_ HOPES AND FEARS OF COOPERATION Room A 053 13:30

Moderation: **Ursula Hartig** (CoCoon, TU Berlin)

**Prompts:**

**Ursula Hardenbicker** (DAAD, Germany) “University Partnership Programmes with Developing Countries“

**Nora Müller** (RWTH Aachen) “On the Ambiguous Nature of DesignBuild Projects“

**Dr. Gustavo Madrid** (Casa de la Ciudad, Oaxaca, Mexico) “Public Facilities in Neighborhoods“

**Prof. Francisco Hernández Spinola** (UNAM Mexico) “Architecture Practice. A Teaching-Learning Experience“

**Prof. Dr. Marcus Hackel** (Hochschule Wismar; TU Berlin, FG Mertes) “Sala Pavillion“, Thailand

Think Lab 2. 3\_ LEARNING BY DOING Room A 060 13:30

Moderation: **Prof. Sergio Palleroni**

**Prompts:**

**Simon Colwill** (Landscape Architect / formerly TU Berlin, ILAUP) “Landscape and Context“

**Dr. Anupama Kundoo** (University of Queensland, Australia) “One to One: Learning Design through True Scale and Direct Engagement“

**Dr. Heba Safey Eideen** (Misr International University, Egypt) “Participatory Design: Bridging the Gap Between Education and Practice“

**Martin Janekovic** (Die Baupiloten, TU Berlin) “Atmosphere: Language of Participatory Design“

**Prof. Vittoria Capresi, Prof. Barbara Pampe** (German University Cairo, Egypt) “Learn-Move-Play-Ground: Improving Courtyards of Public Primary Schools in Cairo“

**Break 16:00**

THINK LABS' SUMMARY

**A 151 17:00**

Moderation: **Prof. Dr. Andres Lepik**

PANEL DISCUSSION

**A 151 17:30**

**Stakeholders' Presentations and Think Labs' Conclusions**

Moderation: **Prof. Dr. Philipp Misselwitz**

Panel: **Prof. Dr. Lepik, Ring, Linden, Nedelykov, Bayl-Smith, Hartig, Prof. Palleroni**

CLOSING STATEMENT

**A 151 19:30**

**Ursula Hartig**

COCOON DESIGNBUILD AWARD

**A 151**

**Valentina Rojas Loa**



**Day 3\_ Saturday, Nov 30th\*** >> primarily for alumni, limited places on request

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ALUMNI LAB

Room A 060. 09:00

Moderation: **Simon Colwill** (Landscape Architect / formerly TU Berlin, IL-AUP), **Dr. Peter Fattinger**

INTRODUCTION KEYNOTE

**Björn Lampe** (betterplace.org)

**Input and guided discussion:**

**Kirsten von der Heiden** (ZEWK, TU Berlin) "Networking"

**Björn Lampe** (betterplace.org) "Fundraising"

**Jörg Hecker** (Hecker Consult, Berlin) "PR and Communication Tools"

SUMMARY AND CONCLUSION

12:30

Moderation: **Simon Colwill**

TOUR

13:00

"Vernacular Aspiration" Bustour through Contemporary Vernacular Berlin

guided by: **Ursula Hartig**, **Nina Pawlicki** and **Valentina Rojas Loa**

Lunch + Glühwein  
and Tee on the road  
19:00 Dinner

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For further information please visit our Website

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**ORGANISED BY:**

**CoCoon**  
contextual construction

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Dipl.-Ing. Nina Pawlicki  
Valentina Rojas Loa, MA on Arts Management

**IN COOPERATION WITH:**



**MEDIA PARTNER:**



**FUNDED BY:**



Technische Universität Berlin 

# Think Labs

This chapter provides the preliminary curatorial and thematic considerations and questions of the six Think Lab sessions. Each session was kickstarted by 4-5 prompts of either DesignBuild-project organisers or members of organisations coming from the fields of development-aid, the international academic exchange, local and international NGOs related to the field of community support, academic institutions, architecture, engineering and landscape planning. You will find a short synopsis of the prompts and a description of the speakers themselves.

The headlines of the Think Labs: 'Hopes and Fears of Cooperation', 'Learning by Doing' and 'Construction and Design' suggested a discussion along selected keywords. However some of the topics were questioned in different Think Lab sessions.

Right above:

Think Lab 1. 2\_ hopes and fears of cooperation

Right below:

from left to right: Sergio Palleroni, Eike Roswag, Sreva Badanes, Alfredo Brillembourg, Friederike Meyer on the symposium.

Picture-Credits: CoCoon

## Collateral Effect

This start-up would not exist, were it not for the lessons in social responsibility gained from Arcosanti, AlleyFlat Initiative, Design>Build>Ladakh, and especially from my friend/mentor Sergio Palleroni.

Design With Benefits is a news and product website that explores the intersection of design and social responsibility. The website is dedicated to compiling news and stories about current projects in the realm of design activism--from architecture to product design—any project welding design as a means of solving social issues. The heart of the site features the sale of beautiful, clever, design-driven products that provide social benefits in unique ways.

Tania Garbe

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INITIATIVE

ALLEY FLAT INITIATIVE

DESIGN > BUILD > LADAKH

ESPECIALLY MY FRIEND AND  
MENTOR: SERGIO PALLERONI





# construction and design

Think Labs

## Keywords:

acceptance and appropriateness

contextual building

learning from the vernacular

architecture migration

experimental construction

structural challenges and solutions

low-cost high-efficiency

climatic response, energy efficiency

sustainability

auto-construction

research possibilities

participatory design

aesthetics and architectural quality/

The **gaining of acceptance** has its own particular brisance in an intercultural context. The spatial, temporal and especially the cultural divide between the participating students and the users are difficult to overcome. Whether the **acceptance** is achieved and the building is **appropriate** is usually shown in later evaluation. The **architectural ambition**, affected by the tight timeframe and budget, undergoes a rigorous review by the communities. This however, usually takes place after completion. Failure or success of a project depends largely on the extent to which the building not only follows its claims for modernity but also fits into the users' collective understanding of space and involvement into the planning and building process.

*What paradigms are used to develop the design? How does the clients **participate** in the design and building process? How is it related to the context? Is the projects acceptance being evaluated and what is the result? Are there guidelines to secure acceptance?*

Other points of are: **Adequacy** of dimension, construction, climatic considerations and financial cost. Project leaders often need to support a design that does not meet the standards and guidelines in their own country. The policies in the partner country are sometimes absent or inadequate. Personal assessment and the consideration of the **appropriateness** determine the vague and debatable guidelines. **Structural challenges** lie in the use of structurally difficult materials, natural hazards (earthquakes, hurricanes, flooding), the inadequate technical skills of the team and the use of simple tools. **Experimental structures** that are embedded in a traditional cultural **context** and meet users' needs are often at conflict with the aspect of sustainability:

*What is appropriate? To what extent is the durability of the construction ensured? Have the users the capacity and the will to maintain, repair or even to adapt the construction?*

The **Migration** of constructional and architectural thinking pervades throughout the history of architecture. The reproach of Colonialism and Paternalism is nevertheless indisputable. Migration has long been an integral part of architecture and urbanism through the influence of "Western" architectural tradition in the "Southern" architecture schools. But Migration of building culture by labour-migrants / returnees and through the media is as well an integral part of rural development, whether in typology or the use of building materials or applications.

*What about the reproach of Colonialism? What is the position towards implementing a "Western", "European" or "academic" architecture position in a traditionally based environment? What possibilities do exist to collaborate in the phase of design and constructive development?*

Most buildings in rural and peri-urban areas are built in the process of **auto-construction**. They represent the economic conditions and the associated level of construction methods of the community. Auto-constructions oscillate between precarious conditions and the dream (see 'Migration') of their own, although unfinished house.

*To what extent can this phenomenon be used as a basis and context for planning? What are the lessons to learn about this process? What is to define as **context**?*

Examples of **Vernacular Architecture** are often customized climate and energy efficient buildings, but they are often structurally inadequate or do not meet the  $\phi$ modernity $\phi$  demands of the customer. The low-tech vernacular must be enhanced to the structurally highest standard, improved with low-cost methods.

There's a great **potential for research** in this area.

*Can vernacular Architecture be a paradigm? How is the acceptance of Vernacular Architecture? How is the knowledge to be shared?*

**Architectural quality** and **aesthetics** are dependent upon all of these criteria as well as the competence of planning and construction teams, their leadership and the resources available. However, the assessment of what is **ϕbeautifulϕ** does not depend on objective facts but on subjective cultural and personal backgrounds. The diversity of the stakeholders (planners, users) can lead to major conflicts. This can be seen particularly in the evaluation of traditional vernacular architecture.

*How about the interest in "Small Scale Projects" that are increasingly published an honoured- in what consist their quality (is it just a fashion or a change in paradigm)? How about the **architectural quality** of DesignBuild projects? Is it related to ϕbeautyϕ in appearance, to the relation between form, technique and function or to the social, economic, ecological effect? What are the criteria to judge and who is judging?*



*Techo en México, Studio Prix – Special Projects ;  
University of Applied Arts Vienna  
The bamboo roof is held in shape by scaffolding, poles,  
and rope / Feb 2004, Oaxaca, Mexico*

*Picture-Credit: Dominik Brandis*

# Speakers

Think Labs 'construction and design'



**Bärbel Müller**  
University of Applied  
Arts Vienna, Austria

*Müller is a practising architect and an Assistant Professor at the Institute of Architecture (IoA) at the University of Applied Arts Vienna, Austria. She studied architecture at the Alanus University of Arts and Social Sciences in Germany and the Academy of Fine Arts Vienna, where she graduated with honours in 2002. From 2002 to 2011, she has been teaching at the studio of Wolf D. Prix, directing student realization projects and transdisciplinary courses. Since October 2011, she has been the head of the recently established IoA lab [applied] Foreign Affairs, which investigates spatial and cultural phenomena in rural and urban Sub-Saharan Africa through research-based workshops and field trips. In 2008, she founded nav\_s baerbel mueller [navigations in the field of architecture and urban research within diverse cultural contexts*

“[Applied] Foreign Affairs, beyond one’s own nose“

In 2011, the [Applied] Foreign Affairs Lab was founded at the Institute of Architecture of the University of Applied Arts Vienna in order to investigate spatial and cultural phenomena in rural and urban Sub-Saharan Africa, starting with growth proposals for Guabuliga, a remote village located in the tree savannah of Northern Ghana. The presentation will illustrate two research/realization projects which have been developed in Ghana and Mexico with students of the Institute of Architecture of the University of Applied Arts Vienna: In 2004, seven students built a roof and architectural landmark in southern Mexico. Five years later, the group met up with international architects on site to revisit the project and to honestly reflect on it. The presentation will also be a critical reflection on DesignBuild studios from the perspective of a contemporary post-colonial discourse.



**Daniel Weinhold**  
Civil Engineer; TEK-TU  
Berlin, Germany

*Weinhold is a Civil Engineer and assistant professor at the chair of Structural Design and –Construction from Prof. Dr. Klaus Rückert. He runs an office for Structural Engineering in Berlin. He was participant of a DesignBuild Project in 2001 as student. In 2001 he participated as a student in the TU Berlin’s DesignBuild-Studio „Praktikumsseminar Mexiko“, where he works as a teacher and construction supervisor for the last 4 years.*



**Prof. Dr. Klaus Rückert**  
TEK-TU Berlin,  
Germany

*Rückert graduated as Civil Engineer in 1981 from Stuttgart University. From 1981 to 1982 he worked in the Civil Engineering office J.W. Stein in Pretoria, South Africa. In 1982 he obtained a Masters in Structural Engineering at the University of California, Berkeley, USA with a DAAD full scholarship. From 1984 to 1990 Rückert worked as Research Fellow at the Institute for Structural Design and Construction at Stuttgart University, with Professor Schäfer. From 1990 to 1998 he taught Interactive Graphical Measurement and Construction in Concrete at the Stuttgart University. From 1990 to 1993 he was project coordinator at Schlaich, Bergermann and Partner, Stuttgart : Bridges and Special Constructions, EDV. Since 1994 he has been managing partner at RPB Rückert Ltd. Planner and Consultant, Heilbronn. Since 1999 he is Professor at the TU Berlin. Since 2004 he was appointed as Inspection Engineer for Structural Safety for Berlin specialised in steel and solid constructions.*

“TEK- Interdisciplinarity in Civil Engineering “

The main-challenge for the structure of the projects in Mexico is the resistance in case of earthquakes. There is an open conflict between the dimensioning of building-components according to German or US American even Mexican codes, the feasibility in the tightly frame of time and resources and with the competence of 20 laymen and the architectural ambition that can not be solved. Even complicating is the pretence of building with sustainable building materials like clay and wood that limits the range of constructive and thereby architectonic solutions.

*Cavanagh entered teaching from his own award-winning practice 25 years ago and continues to focus on Architectural Design. After an interval to complete his doctorate in the History of Technology, his design work has continuously appeared in international architectural magazines such as AD: Architectural Design, a children's theatre for the coastal community of Cheticamp in Journal of Architectural Education, and a lamella-vaulted dining shelter in Canadian Architect. His work has been published in Metropolis, Architectural Review, Progressive Architecture, OnSite and a number of times in Canadian Architect. Currently he and his students build innovative structures for Nova Scotia communities. Supported by over one million dollars worth of grants, his research aims to contribute to rural development by introducing new ways of building into the local economy.*

*Sassenroth holds a Masters in Architecture (Diplom-Ingenieur) from the Technische Universität Berlin. In 1986-1987 he made a Diploma course in Architecture at the University of Westminster under the tutorship of David Greene (founding member of archigram). Sassenroth is founding member and director of eitermann / sassenroth architekten. From 1991 to 1996 he worked as assistant teacher in the Technische Universität Berlin. In 1996 he was appointed Professor*

Coastal Studio is a design and build studio in the Graduate Architecture Program at Dalhousie University in Halifax, Nova Scotia, Canada. The projects they have conducted are: Treehouse tourist accommodation at Fundy National Park (2012); Solar Showers, Ross Creek Arts Centre, Canning, NS (2012); Timbrel Vault (brick shell) used as a camera obscura viewing the Bay of Fundy Tides and the restored tidal salt marsh, Cheverie, NS (2011); Lamella Vault used as an outdoor dining shelter for the Ross Creek Arts Centre, Canning NS (2010); Wind-powered Illuminated Sign, Mi-Careme Museum, Grand Etang, NS (2010); Wind-powered Mobile Canteen, Cheticamp, NS (2010); Bunkhouse Barrels for a theatre camp, Cheticamp, NS (2006); Theater Le Petit Cercle, children's outdoor theatre, Cheticamp, NS (2004).

**Prof. Dr. Ted Cavanagh**  
Costal Studio, Dalhousie  
University, Canada



**Prof. Peter Sassenroth**  
Costal Studio, Dalhousie  
University, Canada/  
Germany



„Innovative Structures and the Design-Build Model of Teaching“, Halifax



*Petit Cercle Children's Theatre, Conseil des Arts, Cheticamp NS.  
Ted Cavanagh, Roger Mullin, Richard Kroeker, Alden Neufeld and 23 students of Dalhousie University. Two weeks, July, 2004.  
Picture-Credit: Ted Cavanagh*



**Mathias Heyden**  
TU Berlin, ISPA RA,  
Germany

*Heyden is a carpenter and architect. He is co-founder of the Berlin community project K77, where he performed as political activist, cultural worker, inhabitant, builder, craftsman and designer (1992–2002). Today he is founder/director of ISPARA, a Berlin based office and lab for strategies of participative architecture and spatial appropriation. He works as researcher and teacher, artist and author, curator and editor, focusing on a (direct) democratic and fair, sustainable and holistic production of the built environment; on self-determined and common oriented architectures for housing, culture, education and work; and on participatory design in Europe and North America. Heyden was curator/publisher of the event/book „Hier entsteht. Strategien partizipativer Architektur und räumlicher Aneignung“ and of the exhibition, public interviews and magazines “An Architektur 19 – 21: Community Design. Involvement and Architecture in the US since 1963”.*



**Prof. Dr. Preechaya Sittipunt**, Chulalongkorn University, Thailand

*Dr. Sittipunt is the Program Director of INDA, the International Program in Design and Architecture as well as a full-time faculty in the Department of Architecture, Chulalongkorn University, Bangkok. She received a Bachelors of Architecture from Chulalongkorn University, Master’s degree from Massachusetts Institute of Technology and Ph.D from the University of California, Berkeley. Her research focuses on design and architectural education, design thinking and inquiry.*

“Making Merit Through Architecture, Design Build projects at INDA“, Thailand

The International Program in Design and Architecture at Chulalongkorn University offers students a number of different design-build projects to take part in each year. The projects are typically small-scale buildings in remote areas, designed to make a positive contribution to local communities. The Khonkaen Book Barn, for example, provides a reading space for children living in the village of Non Jun Tuk, located 70km south of Khonkaen. The Book Barn was built by a group of 17 INDA students in June-July 2012, working alongside local contractors, under the supervision of Dr Scott Drake and Dean Bundit Chulasai.



**Alfonso Sánchez Cruz**, MA. Nuevos Horizontes, Oaxaca, Mexico

*Sánchez holds an Architecture degree and a Masters in Business Administration from the „Benito Juárez“ Autonomous University of Oaxaca. He is a member of the International Council of Monuments and Sites (ICOMOS Mexico), and of the Mexican Culture Seminar. He is president and founder of the organisation New Horizons for Communities’ Architecture, chief editor of Horizons, an Architecture magazine, and director of the company ADM Architects. For the last 14 years he has worked as environmental consultant.*

“Rescue of the Traditional Housing: Social and Environmental Responsibility“, Mexico

New Horizons for Community Architecture (NHAC in Spanish) encourages, promotes and carries out in Mexico and abroad different activities such as conferences, courses, workshops, seminars and exchanges. Our aims are to strengthen the teaching of architecture, and promote the respect for communities' architectural values and for the protection of the environment. Since its founding, Architecture Horizons' mission has been to encourage students, teachers and architects to do socially responsible architecture, based on the design of economically efficient and context sensitive architectural projects. Our vision is to continue contributing with institutions with similar goals, and promote the teaching of Architecture using traditional techniques and materials along with new technologies.



**Prof. Dr. Christof Ziegert**  
ZRS Architekten und Ingenieure, Germany

*After training as a bricklayer, Dr. Ziegert studied civil engineering at the TU Leipzig. From 1998 to 2002 he worked as teaching assistant at the TU Berlin, Chair for Structural Design and Construction ‚Fachgebiet Tragwerksentwurf und -konstruktion‘, Prof. Dr.-Ing. Klaus Rückert, where he obtained his Phd degree in 2003. Since 2009 he has been director of ‚Ziegert Seiler Ingenieure‘ as part of ‚ZRS - Ziegert | Roswag | Seiler Architekten Ingenieure‘, where he was a*



*founding partner. He is chairman in the Dachverband Lehm e.V., Consulting Engineer of the ‚Baukammer Berlin‘, Building Energy Consultant, Expert Member in the ICOMOS Group ISCEAH (International Scientific Committee on Earthen Architectural Heritage) and chairman of the German Normenausschuss Lehm bau NA 005-06-08 AA at the DIN.*

*After training as a carpenter, Dipl.-Ing. Eike Roswag studied Architecture at the TU Berlin. In 1998, as student assistant under Professor Dipl. Ing. Ingrid Goetz, he coordinated five building sites of the ‚Praktikumsseminar Mexiko‘ in Oaxaca, Mexico. From 1994 to 2006 he worked as a freelance architect. From 2006 to 2009 he was partner in ‚Roswag & Jankowski Architekten PartnG‘. From 2006 to 2007 he was teaching assistant at the TU-Berlin, Chair for Design and Building Climatology, Professor Claus Steffan. Since 2009 he is director of ‚Roswag Architekten‘ as part of ‚ZRS - Ziegert | Roswag | Seiler Architekten Ingenieure‘, where he was a co-founding partner. Together with Anna Heringer he won the Aga Khan Award for Architecture in 2007 for the METI handmade School in Rudapur, Bangladesh and with ZRS the Holcim Award Gold Asia Pacific 2011 for the Tipu Sultan Merkez School in Pakistan.*

**Eike Roswag**  
ZRS Architekten und  
Ingenieure, Germany



‘ZRS - Ziegert | Roswag | Seiler Architekten Ingenieure’ focuses on the development of architecture designs aiming at finding efficient solutions, dealing responsibly with the available material resources and serving the user in a durable and economical way. They develop sustainable building techniques and structures with respect for the existing. The objective of their work is to create buildings that are appropriate on a full scale: environmentally, socially and economically. The core competence of ZRS lies in the exploration of natural building materials, with a focus on earth. Their projects range from a wood construction fire brigade in Brandenburg, a white clay house in Berlin Westend, a school made of bamboo and clay in Bangladesh to the restoration of building monuments on the Arab peninsula and school projects in Africa. core competence of ZRS lies in the exploration of natural building materials, with a focus on earth. Their projects range from a wood construction fire brigade in Brandenburg, a white clay house in Berlin Westend, a school made of bamboo and clay in Bangladesh to the restoration of building monuments on the Arab peninsula and school projects in Africa.

“Resource Adaptive Design“

#### **MODERATORS:**

**Kristien Ring,**  
AA Projects, Germany

**Dr. Melonie Bayl-Smith**  
Bijl; Architecture University of Technology, Sydney, Australia

# learning by doing

Think Labs

## Keywords:

**Existing and expected key competences of architectural education in Europe, USA and cooperating countries in a rapidly changing world**

**Integration of DesignBuild studios in the regular curriculum**

**The added value of 'doing' in the learning experience**

**DesignBuild Studio-typologies existing and potential research approaches**

**Supplementary or superfluous targets of architectural research and education offered in DesignBuild Studios: multidisciplinary work, intercultural and social competence, participatory design, and social engagement**

**Experience and evaluation of former students**

**Motivation of students**

**Relevancy for job profile and market**

The **curricula** of architecture education differ from university to university and from country to country. Internationally recognised architecture degrees do not exist.

*Is there a cross-border discussion of the content of architecture education? Who stipulates the mandatory content? What position does the DesignBuild project at your school take? Is your project embedded in the regular curricula? Are DesignBuild Studios manageable financially and feasible given the exceeding time demands? How is the project evaluated by your university/ by the public? What are the claims of society on architectural education? Is there a relevant discussion on the role of the architect in society?*

A wide range of DesignBuild projects have been presented in this symposium. Some contributions discuss the whole execution process, others aim at producing prototypes. There are projects that react to the needs and necessities of "real" clients whilst others have a more experimental nature. Some are transitory structures, others are meant to last for several decades. Some are cooperations between partner-universities of different countries and cultures, others are country specific.

*Are there comparable goals and methods? Are there common guiding lines or insurmountable discrepancies? What is the added value of the 'doing' in the learning experience?*

There is currently a gap between academic research and architectural education. Most DesignBuild Studios are focused on teaching and less research-driven? Within German university policies, the main focus is one Research, followed by the acquisition of third-party funds (external funding), with Teaching often regarded as something auxiliary.

*What are the relations between education and research? Should they be fostered? Which research approaches have been developed? In which fields (education, design, technique) is research undertaken? How are the results communicated?*

**Multidisciplinary** work is vital in order to plan, calculate and deliver a safe construction and sound environment. Whereas in "real life" conditions, there is a client and the architect is cooperating with different types of experts including construction companies and craftsmen, in architecture education, the participation of a client, the incorporation of students of different disciplines and the work with craftsmen into one single project requires a huge effort. The curricula of the students differ and excessive workload makes this approach exceptional, at least until now.

*What disciplines are involved, what disciplines are really needed? How can the problem of differing curricula be solved? Is the student's work valued in points and credits? How is it possible to enforce DesignBuild projects with their greater need of supervision and management?*

Most DesignBuild projects incorporate skills and knowledge from several disciplines and contain a number of tasks from research, first sketch, design, calculation, execution planning, time scheduling, construction-management to cost supervision and accounting. Some are strongly related to **participatory methodologies** in the design process. There is also craftsmanship, detailing, constructing, building, improvising, changing, adapting, transforming, testing out the limits of material, learning about the physical character of material and space and the materializing of abstract black line on white paper in a physical space. The stu-

dents live and cooperate with the clients, which is an **intercultural and social experience in itself**; there is also the responsibility of the group as a whole to actually realise their sometimes ambitious aims. There is the belief of creating something significant, a small change for the betterment of others.

*Does this method lead to a different approach on the making of architecture? Does this lead to a different understanding of the role as architect? ? Is this approach relevant in this day and age? Are these students getting a vocational training for being recruited by architectural offices (and just that?), or do they get a supplementary formation to reflect the growing requirements of the global multi-disciplinary working environment?*

We believe that most **former students** of DesignBuild studios have benefited from their participation in them.

*Is this true? In what consists the benefit according to them? How can we prove it and capitalise it? What did they expect, what did they obtain? Did their participation change their attitude towards architecture and their role as architect? How do they value their participation in terms of their academic and curricula vitae? What do we as DesignBuild studio directors expect?*

Think Lab 2.3\_ LEARNING BY DOING

Moderation: Prof. Sergio Palleroni; Prompts: Dr. Anupama Kundoo, Dr. Heba Safey Eldeen, Prof. Barbara Pampe, Prof. Vittoria Capresi, Kirstie Smeaton, Martin Janekovic, Simon Colwill

Picture-Credits: CoCoon



# Speakers

Think Labs 'learning by doing'



**Birgit M Klauck**  
Dean of Architectural  
Studies at the Institute of  
Architecture, TU Berlin,  
Germany

*Klauck is an architect and publisher and is teaching as 'Akademische Rätin' at the Department of Architecture, TU Berlin, and at the Adip Chair. 'Adip- architecture design innovation program', a chair taken by a biennial changing guest-professor. The current guest professor is Bostan Vuga from Slovenia. Apart from teaching, Birgit Klauck is the Programme Director and Coordinator of the Bachelor and Master programme degrees in Architecture and deeply involved in the curricular structures of the Department of Architecture at the TU Berlin.*

"Architectural Education - far from reality?"

Coordinator of the Bachelor and Master programme degrees in Architecture and deeply involved in the curricular structures of the Department of Architecture at the TU Berlin. What is the roll of architectural education and what is learning by doing? The understanding of the complexity of architectural production and its connection with social environmental change is one of the major issues that have to be addressed in the university. Hands on projects related with architecture of social engagement should be a part of regular curriculum, so the students can make their choice. Learning by doing could be more than just doing architecture. It could be everything to foster the professional debate about the responsibility and competence as architect. Research is part of the learning by doing process and is questioned here in the conference.



**Michael Dickson**  
University of  
Queensland, Australia

*Dickson is a registered architect in Queensland and Latvia with practice experience in Queensland, Malaysia and Ireland before establishing Dickson Francis Architects in Latvia. The Latvian practice has been operating for 7 years and has projects in residential, commercial and industrial building types. Focus areas include Architectural Design, Forms of Hybrid Construction and Digital Communication and Production.*

"Learning at One to One: The Live Project Experience", Venice, Salomon Islands

This presentation will be a comparative analysis of two live projects conducted via the School of Architecture at the University of Queensland. The first involving the construction of ventilated pit toilets on a remote island in Western Solomon Islands and the construction of a 1:1 scale model of architect Anupama Kundoo's house for the Venice Biennale 2012. Both projects are live but structured in quite different ways with significant differences in resources and on reflection surprising learning outcomes compared to the investment made. The experience of these projects presents a template that future live making studios could benefit from.



**Dr. Paola Alfaro  
d'Alençon**  
Habitat Unit\_TU Berlin,  
Germany

*Dr. Alfaro studied Architecture at the TU Berlin and at the Master Class W. Prix, in Vienna. She obtained her PhD title with a thesis on the development of urban transportation space from a social-spatial research perspective "The Production of Urban Space through Mobility". She has worked at the Habitat Unit at the TU Berlin since 2004. She combines teaching with*

"Überlebenskunst-Festival", Germany

Über Lebenskunst is a project initiated in 2009 by the German Federal Cultural Foundation in cooperation with the Haus der Kulturen der Welt. In a multi-part programme, the project explores the profound changes our planet is undergoing through art – in performance, visual art, music, discourse and literature. The project brings together actors from widely varying disciplines to identify existing strategies and to develop and test out models of sustainable living fit for day-to-day life. It aims to take the reality of climate change, which is still abstract for many people, and relate it to the decisions individuals make in their day-to-day lives and make it more tangible as part of our social responsibility.

*Colwill studied Landscape Architecture at the University of Greenwich in London. He worked as a freelance Landscape Architect in several offices in Berlin from 1995-2006. From 2006 he worked as Assistant Professor for Landscape Architectural Construction at the TU Berlin. Here he supervised design studios and held seminars in the bachelor and master's program. From 2007 to 2012 he was the co-supervisor*

**Simon Colwill**  
Landscape Architect  
/ formerly TU Berlin,  
ILAUP, Germany



This presentation focuses on the holistic design approach of the “Mexico Project” at the TU-Berlin. The participating students not only are the designers, construction detailers and builders but also assist in the raising of project funds, the organization of travel arrangements and the publication of the results. Students and supervisors experience these processes as intense and enriching experiences. The learning effect is far higher, more intensive and sustainable as a “conventional” studio project can possibly be. The key to a successful project is based on a clear understanding of the site context (e.g. cultural, architectural, environmental, climatic, economic and ecological factors). Mexico is however an extremely diverse country, each and every place and surrounding community has its specific characteristics and peculiarities. The building projects are therefore based on the never-ending learning process of learning-by-doing.

“Landscape and Context“

*Dr. Kundoo has had the experience of working, researching and teaching in a variety of cultural contexts across the world. Apart from her engaging experience in India, she worked as an architect in Berlin from 1992-1996 in the area of social housing. From 2002-2004, she was “Sustainable Design Consultant” to ICAEN, (Institute of energy, Catalunya, Spain), Barcelona, for a European Commission Project in partnership with the municipalities of London and the state of Haryana in India. She has travelled extensively and presented her work in Europe, South Asia, North America and the Caribbean and is connected to a wide network of contemporary practitioners in the field.*

**Dr. Anupama Kundoo**  
University of Queensland, Australia



My focus is to enable the particular learning that is possible only in full-scale and to ensure that this ‘real’ experiential learning informs and enriches design. I am neither concerned with a student-only building approach, that excludes highly skilled experts, nor with teaching students ‘building skills’ or to become carpenters and masons. My design build projects are aimed at producing better architects. My engagement with Design-Build projects lies in ‘Building Knowledge’ that at once concerns knowledge about building as well as continuing building knowledge in society. Education need not be disconnected from ‘life’ and the larger world outside the University, but rather the University could be understood as a place in the city where the activity of research and education of the society is physically concentrated.

“One to One: Learning Design through True Scale and Direct Engagement“

*Safey Eldeen graduated from the Faculty of Fine Arts, Egypt. Currently she is Associate Professor and Programme Coordinator at the Department of Architecture, Faculty of Engineering Science, Misr International University (MIU). She is a member of the Architecture Committee, the Supreme Council of Culture, Egypt, and Adjunct Professor at the Department of PVA, American University in Cairo (AUC). She has published several papers, articles, and two books on Architecture education as well as on the social and cultural aspects of the design of the built environment. She works as editor, translator and author at several local and regional architectural journals, and she has worked as architect at the offices of some of the most renowned architects in Egypt.*

**Dr. Heba Safey Eideen**  
Misr International University, Egypt



This paper focuses on the preparation of qualified practitioners. Its aim is to bridge the gap between education and practice within the frame of urban design. It argues that a new approach for teaching architectural and urban design using on-the-job training and learning-by-doing methods can bring future professionals more on track

“Participatory Design: Bridging the Gap Between Education and Practice, Egypt

towards sustainable development. Such argument is supported by the presentation of an educational experiment: a 'Participatory Design' course devised to involve students in real-life tasks, as part of a participatory development programme in a poor, informal area in Greater Cairo.



**Martin Janekovic,**  
Die Baupiloten, TU  
Berlin, Germany

*Janekovic holds a Master in Architecture (Diplom Ingenieur) from the Technische Universität Berlin. Since 1995 he has worked as free lance architect in different offices in Berlin such as Augustin & Frank, Büro Bumiller, and Büro Wentzel. In 1997 he cofounded the platform network for architects and artists „kunst und technik“, and in 2000 he founded the Architecture office XTH-berlin in partnership with Helle Schröder and Uwe Rieger. He has given several seminars at the School of Architecture, FH Münster. Since 2005 Janekovic has been working as Research Fellow at the TU Berlin in the project „Die Baupiloten“. Under this project, in 2012 Janekovic has planned along with the students the construction of a wooden house for a school in Berlin, which will be built in the near future.*



**Kristie Smeaton**  
Die Baupiloten,  
TU Berlin, Germany

*Smeaton studied architecture at the Bartlett School of Architecture in London. After working in London at Satellite Architects she joined O'Donnell and Tuomey Architects in Dublin as Project Architect from 2006-2011, working on a number of projects including the London School of Economics New Students Centre, Irish Art Research Centre at Trinity University and a charity run Family Centre for Barnados. She has also been involved in the construction of an adobe house in Honduras with Save the Children, a temporary homeless shelter in London with Architecture for Humanity and the design of a Hospice in Uganda. Currently she works with Die Baupiloten, TU Berlin supervising a design-build studio for the transformation of a primary school in Wolfsburg.*

“Atmosphere: Language of Participatory Design“

In a joint venture with the TU Berlin, in 2003 Prof. Susanne Hofmann founded the hands-on education reform project "Die Baupiloten". In this project, the students are given the chance to conduct a building project during the realisation of their architectural studies, going from conceptual design to realization, and often working on a low budget basis. In order to put into practice participatory design strategies, users are involved in the development of the design concept of the project from the outset. The clients are mainly schools and Kindergartens in Berlin who contract the Baupiloten-office as architecture office.



**Prof. Dr. Vittoria Capresi**  
Professor of Architecture  
German University  
Cairo; Architecture and  
Urban Design Program,  
Egypt

*Capresi studied Architecture in Florence and Berlin. From 2002 until 2011 she worked at the Technical University of Vienna, department of History of Architecture and Building Archaeology, where she achieved her PhD with research on the Italian rural centres built in colonial Libya. In 2011 she moved to Egypt, as Associate Professor of History of Architecture at the German University Cairo. With Barbara Pampe she founded baladilab, a spin-off project associated to the GUC. They work on projects with students to discover and activate the hidden potentials of Cairo. Research area: Italian Colonial Architecture, Strategies for Sharing Heritage.*



**Prof. Barbara Pampe,**  
Professor of Architecture  
German University  
Cairo; Architecture and  
Urban Design Program,  
Egypt

*Pampe studied Architecture in Bordeaux, Weimar and Delft. From 1999 to 2005 she worked at the Architecture office KSP Engel and Zimmermann in Cologne. From 2006 until 2011 she was teaching and researching in the area of school buildings as Assistant Professor at the University of Stuttgart, Institute for Public Buildings and Design, Prof. Arno Lederer. In 2010 she got a Masters in International Projects Management. Since 2011 she is in Cairo, as Associate Professor of Architectural Design at the German University Cairo - GUC. With Vittoria Capresi she founded baladilab, as a spin-off project associated to the GUC. They currently work on projects with students to discover and activate the hidden potentials of Cairo.*

“Learn-Move-Play-Ground. Improving courtyards of public primary schools in Cairo” was a summer school initiated and organised by the GUC in cooperation with the TU Berlin (the Baupiloten) and CLUSTER Cairo, fully financed by the German Ministry of Foreign Affairs through the German Academic Exchange Service (DAAD). The summer school aimed at improving the courtyards of two schools in Cairo, El Kods School in Ard el Lewa and Kobbet el Hewa School in Shubra. For 12 days 11 University students from Germany and 25 from Egypt worked together with the children, teachers of the schools and the team, to find out how to translate the dreams of the children in playing elements. Using bricks, concrete, wood and big concrete tubes, we created different spaces to play, move and learn.

“Learn-Move-Play-Ground: overcoming cultural & social clichés“

#### MODERATORS:

**Nina Nedelykov,**  
Bundesarchitektenkammer / UIA, Germany

**Prof. Sergio Palleroni,**  
BaSiC Initiative, Portland State University, USA

## Collateral Effect



Mezcalería.de are Axel Huhn in Berlin and Nils Dallmann in Mexico City, two architects who discovered Mexico as participants of a DesignBuild Project. „We have been traveling to and working in Mexico for about 10 years, on exchange programs or development aid. During our jobs in remote Indian villages in the region of Oaxaca in the south of Mexico we came to know and appreciate the mezcalero families and their products, which we distribute today. As architects and development workers we esteem good handicraft and honor fair trade and that is why these ideals are the indisputable benchmarks of Mezcalería.de.“ *from the webpage [www.mezcaleria.de](http://www.mezcaleria.de)*

# hopes and fears of cooperation

Think Labs

## Keywords:

Relevance and synergies for national local and international cooperation partners in the project

Position of international development agencies towards higher education

Participation on programmes of international academic exchange

Financing, funding strategies

Public private partnership

Multidisciplinary cooperation

Intercultural cooperation

Shared knowledge

Capacity building strategies

Expectation and participation of client

Although national and **international development agencies'** objectives often coincide with those of the studios and project developers, the agencies are rarely able to support such small-scale projects. Even though there are often mutual goals in relation to the supply of infrastructure or buildings, there is a fear of ineffective and inefficient cooperation. Most development organizations do not generally support building projects, however some building activities do receive funding under the cover of 'structural aid', for example in the fields of education and health. We are convinced that there is a lot of synergic potential in the cooperation between DesignBuild studios and development agencies, particularly in terms of the architectural and technological quality, and the potential long-term performance of the buildings due to their well-conceived implementation. NGOs and other **local cooperation partners** that work in the communities and are acquainted with the clients and their context are necessary translators and facilitators. They can, however also be manipulative and follow their own personal interests.

*What are the expectations of the DesignBuild studios toward the agencies and local partners? Is there an interest of cooperation from the side of the agencies or how could it be awakened? What are the pre-conditions to get into discussion? What is needed to make this cooperation more efficient? How can a network be created?*

Without the support of the **academic exchange organisations**, the DesignBuild-projects would exceed student's budgets for travel and personal expenses. The bureaucratic and formal requirements however, are getting more and more stringent. The specialisation of exchange programmes and the uncertainty of obtaining the necessary support, is contradictory to the continuity needed by the projects.

*Are there any attempts to developing cooperation programmes in cooperation with universities? Do long-term programmes exist? Is there a possibility of creating and developing programmes for DesignBuild projects? Is there the possibility to make DesignBuild programmes part of the expected synergies between development agencies and organizations of international academic exchange?*

The **funding** of the projects, although hardly comparable through their diverse structures, is an overall problem. This is not only in relation to building-costs, travel-expenses and daily costs for students but also for the coordinators, professors, teachers and administrators. Some sustainable funding strategies need to be created, adapted and developed.

*How can funding be made more efficient and sustainable? How can stable relations to funding organisations be established? What is the funding potential of the cooperation with governmental and non-governmental development agencies? How are the projects embedded into the framework of universities? How can the continuity of the project supervisors be secured? Could public-private partnership be a solution? Are there any best practises?*

**Multidisciplinary** approach is vital in order to holistically plan, calculate and deliver a safe construction and working environment. In "real life" situations design-build teams consist of engineers of different subjects cooperate, construction companies, and craftsmen. In architectural education, the incorporation of various engineers, related social scientists and craftsmen into one project is a huge undertaking. This is not only due to the differing curricula and timetables of the students, but also the excessive workload of the design-build projects themselves. Sometimes the studio team combines all the needed knowledge by itself, sometimes, it requires participation of external experts.



*Is multidisciplinary work embedded in the structure of the university curricula?  
How can the problem of differing curricula be solved? How can it be efficiently  
implemented? How can university policies encourage and capitalise on multidisci-  
plinary work?*

Although a tangible building is at the heart of the DesignBuild projects, the related **academic and intercultural exchange** stemming from these projects has a more sustainable longer-term effect. The students of the cooperating countries (often coming from a similar social background) are confronted with a completely different, often marginalized culture and society in the villages where they work. Living in the community for several months leaves a deep impact on both students and hosts and leads to mutual respect. In addition to the intercultural challenges students and teachers are also faced with a different academic approaches and a very different structure in regards to the curricula.

*Is the exchange balanced? How can the partner-universities be involved in the  
design-process? How can we ensure a real and long-term interaction between the  
students and the clients? How can the studios be structured to obtain a balanced  
exchange? Are these projects paternalistic? How can we cope with the different  
academic levels and structures from the cooperating universities?*

There is hardly a balanced exchange of building techniques and methods between cooperating universities as well as between the academic and the local knowledge. The building process is mostly lacking a **capacity building** methodology. This is often not desired or not possible due to the restricted time and the pressure to succeed with the planning and completion of the project. This often leads to a lack of identification of the clients with their “distinguished” built space and can lead to the neglect of maintenance, misuse or the abandonment of the building in the future. Also the chance to learn from local techniques and craftsmanship is often not taken up.

*How can we ensure a mutual knowledge exchange between local techniques,  
crafts and skills and the building techniques brought by the students? How can we  
document this knowledge and share it?*

The **participatory planning process** (integrating the visions, needs and demands of the clients), that is necessary to secure an appropriate outcome is difficult, mainly because of communication issues (language/ distance/ culture/ social level/ world-time/ views/different tastes/ priorities/ laws and standards) and restricted time. The relation between the client (community, cooperative, school, church) and the university has to be set up through a clear dialogue regarding expectations and duties during all project phases.

*How can this dialogue be structured? How can misunderstandings be avoided?  
What are the parameters to be set up for cooperation free of misunderstanding?  
What communication tools are the most appropriate?*

# Speakers

Think Labs 'hopes and fears of cooperation'



**Markus Dobmeier**  
Bauen für OrangeFarm e.V., Germany

"studio mzamba - strategies in a long term project"

*Dobmeier is chairman of Bauen für OrangeFarm e.V. and initiator of studio mzamba. He studied Architecture in Munich and Rome and holds a Master's degree (Diplom Ingenieur) from the Technische Universität München. From 2001 to 2008 Dobmeier was teaching as Assistant Professor for Architectural Design and Construction at TU Munich. He was project manager for the DesignBuild Studio 'Orangefarm' and conducted several building projects with students in South Africa.*

To face the challenge of financing and implementing the first DesignBuild Studio at TU München the project managers founded an independent organisation with the intention to facilitate common teaching-learning processes, practical experiences and cultural exchange. Since 2007 the registered NGO "Bauen für Orangefarm e.V." is operating in all stages of the projects including the cooperation with local organisations and communities. Since 2010 studio mzamba offers hands-on experience to students of architecture from different Universities within the framework of an ongoing school project.



**Thomas Guthmann**  
Journalist, Compa Ass., Germany

"Compa, Comunidad de Productores de Arte", Bolivia

*Guthmann is chairman of COMPA Berlin e.V.. The association was founded in 2012 and is inspired by COMPA Bolivia, an organisation working on arts for social change since 1988. He works as journalist on Latin American issues for Nachrichtenpool Lateinamerika and as researcher at the Centre for Contemporary Studies on Arts, Education and Change. He recently completed a PhD on Spatial Education Processes of Activist Students Against Racism at the University of Kassel.*

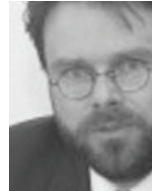
The arts production community COMPA Bolivia is an organisation, which is working on arts for social change in Bolivia since 1988. We understand art as an important force and tool to transform society. Architecture as art is important for COMPA as it transforms spaces into democratic and social places. The way, how villages, cities or buildings are designed, forms an important base for the construction of social relationships in a society. The „ Comunidad de Productores de Arte “ is to be realized in Los Yungas, 3 h drive away from La Paz, Bolivia. This small village shall give space for children of all social levels, coming from the city to regenerate, to learn arts, music and theatre, culture, to learn about nature, agriculture and community life. The plan is to build a kitchen, space for living, working and performing.



*Bauen für OrangeFarm e.V. - Studio Mzamba  
Mzamba School Grade 1, Eastern Cape, 2011  
Picture-Credit: Markus Dobmeier*

*Dr. Hackel studied Architecture and Business Management in Germany, Singapore and the USA. His practice as architect led him from Germany to the Emirates, South-East Asia and China. With partners from Germany, Austria and China he established the Munich and Shanghai based Architecture and Urban Design office IBO – Intercultural Building Organization. His academic career started at the Technische Universität Berlin as scientific assistant, where he got his PhD. Since 2009 he holds the professor chair of “Building Practice and Design” at Wismar University of Applied Sciences Technology, Business and Design. He has taught as Visiting Professor at Tianjin University in the PR China, Chulalongkorn University in Bangkok, Thailand and UNITEC Institute of Technology Auckland, New Zealand. Since 2012 he is Vice Dean of the Faculty of Architecture and Design at Wismar University.*

**Prof. Dr. Marcus Hackel**  
Hochschule Wismar;  
TU Berlin, FG Mertes,  
Germany



The Chulalongkorn University in Bangkok (Thailand), the Tianjin University (PR China) and the Berlin University of Technology (Germany) decided to realize a DesignBuild project to contribute to the sustainable development of the Thai water village “Amphawa”. Sala pavilions are open but protecting structures, ideal for tropical climate and the needs of Thai culture. The Sala was designed and built out of recycled wood by students and lecturers of all involved universities, proving that vernacular as well as innovative approaches can create ecological and socio-cultural sustainable low cost structures. In recognition of the cultural significance and in appreciation of both the architectural and the living heritage of this water village the “Thailand Cultural Environment Project of Amphawa” and the Sala Pavilions received an Honorable Mention of the Unesco Asia Pacific awards for Cultural Conservation.

“Sala Pavillion“, Thailand

*Hardenbicker is Head of DAAD, German Academic Exchange Service section 434 “University Cooperation Projects“. She is responsible for the management and strategic development of university cooperation programmes (subject-related partnerships, partnerships for the health sector, funding package quality network Biodiversity, university-business-cooperation programme) financed by the German Ministry for Economic Cooperation and Development, including more than 100 individual international projects between German Universities and their partner institutions in developing countries.*

**Ursula Hardenbicker**  
DAAD, Germany

The DAAD is the German Academic Exchange Service in charge of organizing and supporting economically the exchange of knowledge and academics, students as scientists. There are several programmes, some for individual exchange supporting travel costs, and costs of livelihood, others supporting cooperation-projects of university divisions, bilateral degrees, etc..

“University Partnership Programmes with Developing Countries“

*Spinola is Professor of the Faculty of Architecture at the National Autonomous University of Mexico since 2005 in the Max Cetto workshop, where he has been chief supervisor since 2008. He has participated in several national and international academic workshops with universities in Latin America, USA and Europe. Spinola has participated in various forums of the Faculty of Architecture on issues related to information technologies applied to architectural education, tangible and intangible heritage, teaching and learning processes in architecture, among others. Since 2009 he has been project coordinator of the External Relations office of the Faculty of Architecture. Spinola was recently awarded in the XII Biennial of Mexican Architecture and Construction Awards Cemex XXII.*

**Prof. Francisco Hernández Spinola**  
UNAM, Mexico



Cultural exchange, practical experience and participation in communities allowed us to expand the classroom beyond its physical borders and create new teaching strategies. The experience of students participating in didactic works has led to

“Architecture Practice. A Teaching-Learning Experience“

various investigations on the approximation of the students to architecture, society and the technical complexities, through the eyes of the world and international cooperation.



**Dr. Gustavo Madrid**  
Casa de la Ciudad,  
Oaxaca, Mexico

*Dr. Madrid studied Architecture in Mexico at UAM-Xochimilco. He holds a PhD in Urban Planning from the Technical University of Catalonia. In 2011 he received a honorable mention from the Holcim Awards Latin America. He is currently director of Casa de la Ciudad in Oaxaca City, Mexico, dedicated to the organisation of cultural, urban and architectural projects in the city and its metropolitan area. Madrid also coordinates the seminar 'Learning to see the urban space' at the University Benito Juarez of Oaxaca.*

“Public Facilities in Neighbourhoods”

One of the basic problems faced by medium and small cities in Mexico is the distribution of public facilities and infrastructure in a territory that has expanded like an oil stain. This presentation aims to explain the creation process of a concept that is being implemented in the city of Oaxaca, which includes the construction of neighbourhood-centers that bring areas for culture, sports, recreation, and education where there are none. Nevertheless, access to the space where these projects will be implemented depends on many stakeholders - social and political - who, on the one hand facilitate action, and on the other hand, they hinder it. This presentation seeks to understand the importance of this socio-political process.



**Nora Müller, RWTH**  
Aachen, Germany

*Müller holds a Master's degree (Diplom Ingenieur) in Architecture from the TU Berlin. In 2000 she was awarded an Erasmus scholarship to study at the TU Delft. During her studies she worked for Zvi Hecker and Philipp Oswalt in Berlin. After her diploma in 2004 she contributed to the design and execution of the 'Winterbadeschiff' in Berlin. From 2006 to 2008 she was working for Kristin Jarmund Arkitekter, a leading architectural office in Oslo, Norway. In 2008 she won the European competition in Prague and established the office P-EN-M architecture and urbanism together with Tim Prins in Maastricht, Netherlands. They were granted a scholarship by the Netherlands Architecture Fund and the Netherlands Foundation for Visual Arts, Design and Architecture. Since 2010 she is Assistant Professor for Building Typologies and Design Basics, RWTH Aachen University.*

“On the Ambiguous Nature of DesignBuild Projects”

DesignBuild projects imply complex and ambiguous challenges given their setting between university and community, between pedagogical and social service, idealism and realism, knowledge and praxis, intellectual and material craft. Furthermore, the aim to develop rebuildable prototypes can be contrary to the motivation to embrace the specificity of every individual condition.

Given this complex situation, this presentation will raise the following questions in relation to DesignBuild practice: Can we calculate the value of DesignBuild projects in economic terms? Can we reach total sustainability if we are acting in an intercultural condition? Can we overcome the 'us' and 'them' syndrome when we engage with foreign cultures?



**Klaus Teschner**  
MISEREOR, Germany

*Teschner is an Architect and Urban Researcher. He worked as a university lecturer on Housing and Urban Development in Stuttgart and Berlin until 2000, focusing scientific research on informal neighbourhoods in Mexico and Peru. As an associate of Habitat Forum Berlin (1998 – 2002) and co-editor of TRIALOG (since 1995) he has facilitated international events, exchange programmes and debates on people-driven settlement improvement. Since 2002, he has been working as urban development desk officer with MISEREOR, the German Catholic development agency, co-operating with grass-root initiatives from Africa and Latin America that*

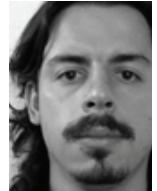
*deal with evictions, settlement upgrading, cooperative housing and urban struggles against exclusion.*

MISEREOR is the German Catholic Bishop's Organisation for Development Cooperation. For over 50 years MISEREOR has been committed to fighting poverty in Africa, Asia and Latin America. MISEREOR's support is available to any human being in need – regardless of their religion, ethnicity or gender. MISEREOR believes in supporting initiatives driven by the poor and the disadvantaged. On the ground, projects are run by local organisations. This ensures that the project work is geared to the needs and way of life of the people involved.

“Young architects and their different roles in local projects supported by development agencies.”

*Vidal graduated with honours in Architecture at the National Autonomous University of Mexico (UNAM). He is an alumnus of the Bauhaus Universität Weimar, where he studied Architecture for a year. In 2010 he participated in the Mexiko Projekt in Zaachila, Oaxaca in collaboration with the TU Berlin. He is president, founder and coordinator of the civil association „Architectural Design Workshop for the Development of Vulnerable Population“. Currently he is project coordinator and advisor of the „Multi-Service Center 43“ in Ocotlan de Morelos, Oaxaca, undertaken by students of the UNAM in conjunction with the „Architectural Design Workshop for the Development of Vulnerable Population“.*

**Alejandro Vidal**  
UNAM, Mexico



This classroom, designed and built in the community of Xilitla, San Luis Potosi, Mexico, is an example of participatory architecture in which the user is involved in the design of the architectural object. Due to the fact that vernacular architecture in this town has lost importance due to the block and steel sheet construction boom, the Xilitla Rural Architecture Workshop not only set itself to build two classrooms and toilets for a primary school, but to build an example of modern architecture based on the principles of vernacular and sustainable architecture. The project was carried out by students from the Max Cetto Workshop UNAM and members of the community, particularly children.

“A Classroom for Equality, Workshop of Practical Architecture“, Mexico

#### **MODERATORS:**

##### **Alexandra Linden**

GIZ, Gesellschaft für Internationale Zusammenarbeit, Germany

##### **Ursula Hartig**

CoCoon, TU Berlin, Germany

## Further Speakers

in alphabetical order



**Prof. Steve Badanes**  
Neighborhood Design  
Build Studio,  
University of  
Washington, USA  
BEST PRACTICE

*Badanes holds the Howard S. Wright Endowed Chair at University of Washington and directs the Neighborhood Design/Build Studio, which builds small public projects for Seattle area non-profits. He is co-founder of Jersey Devil and has led design/build studios throughout the US and in Canada, Cuba, Finland, Ghana, India, and Mexico. Badanes has been awarded the Solar Pioneer Award from the American Solar Energy Society, Education Awards from the AIA, and a Weird Home Award from the National Enquirer. Badanes has lectured on design/build at over 100 universities & a dozen countries.*



**Dr. Melonie Bayl-Smith**  
**Bijl**  
Architecture University  
of Technology Sydney,  
Australia  
THINKLAB  
MODERATOR

*Bayl-Smith is an Architect and Director of Bijl Architecture. Her established profile as a practitioner and ongoing contributions to architectural education and research resulted in her appointment as Adjunct Professor at the UTS School of Architecture (2012-13), where she has taught since 2007. Bayl-Smith received the 2009 Byera Hadley Travelling Scholarship and the 2010 NAWIC*



**Prof. Alfredo**  
**Brillembourg**  
Urban-Think Tank /  
Chair of Architecture  
and Urban Design, ETH  
Zürich, Switzerland  
BEST PRACTICE

*Brillembourg founded Urban Think Tank (U-TT) in Caracas, Venezuela, and in 1998, Hubert Klumpner joined as co-director. Since 2007, Brillembourg has taught at Columbia University, where he founded together with Klumpner the Sustainable Living Urban Model Laboratory (S.L.U.M. Lab), and since July 2010, they both hold the chair for Architecture and Urban Design at the Swiss Institute of Technology, ETH in Zürich. Brillembourg and Klumpner have been awarded the 2010 Ralph Erskine Award, the Latin America Golden Holcim Award 2011, and the Golden Lion for the Best Project of the Common Ground Exhibition in the Venice Biennale 2012. Their work concerns both theoretical and practical applications within architecture and urban planning. Working in global contexts by creating bridges between first world industry and third world, informal urban areas, they focus on the education and development of a new generation of professionals, who will transform cities in the 21st century.*



**Dr. Peter Fattinger**  
Vienna University of  
Technology, Austria  
DB PRESENTATION

*Since 2000 Fattinger runs a Design-Build-Studio at the School of Architecture and Design, Vienna University of Technology, where he works as Assistant Professor. Peter Fattinger holds a Master (Diplom Ingenieur) as well as a PhD in Architecture from the Vienna University of Technology. The title of his doctoral thesis was: „Design-Build-Studio. Framework, Processes and Potentials of Design-Build-Projects in Architectural Education“. Additional to teaching he is working together with Veronika Orso at the intersection of architecture, art and design, realising public art installations, cultural productions and urban interventions.*



**Prof. Ingrid Goetz**  
Mexiko Projekt,  
TU Berlin, Germany  
GUEST OF HONOUR

*Prof. Goetz graduated as architect in 1963 under the direction of Egon Eiermann at the Technischen Hochschule Karlsruhe. She founded an architect office with Karlheinz Goetz. From 1962 to 1965 she lived in Mexico. From 1990 to 2002 she was Professor for Architectural Design and Construction at the TU Berlin. From 1998 to 2005 she directed the seminar „DesignBuild Project Mexico - Students Building in Latin America“, where she has been honorary consultant since her retirement in 2002 until today. In 2008 Goetz undertook a Construction survey with students in Leh / Ladakh, Tibet.*



**Ursula Hartig**  
CoCoon, TU Berlin,  
Germany  
CURATOR +  
MODERATOR

*Hartig holds a Master in Architecture (Diplom Ingenieur) from the Technische Universität Berlin. Since 1987 she has worked as collaborator and project manager in different Architecture offices, such as Augustin und Frank and Jörg Pampe, among others. Since 2000 Hartig has been the project manager of TU Berlin's DesignBuild-Studio „Praktikumsseminar Mexiko“, and in 2003-2004 she managed*

a DesignBuild-Studio in Afghanistan. Since 2004 Hartig has been working as Research Fellow at the TU Berlin, where she founded CoCoon, an academic sector for teaching, research and practice in an intercultural and interdisciplinary context focusing on vernacular, contextual and sustainable architecture.

*Dr. Hassenewert studied Architecture at the Technische Universität Berlin and at the Architectural Association, School of Architecture (AA), London. In 1994 he founded the Architecture office Frank Hassenewert Architekt. From 1999 he worked as Assistant Professor for Architectural Design and Construction at TU Berlin. In 2003 he was invited as visiting professor at the University of Hawaii, School of Architecture. In 2005 he conducted several research projects in methodology of design at TU Berlin, where he obtained his PhD in Architecture (Engineering) in 2006. 2009-2010 he was the project manager of the DesignBuild Studio „Praktikumsseminar Mexiko“ at TU Berlin.*

**Dr. Frank Hassenewert**  
Architect, formerly  
CoCoon, TU Berlin,  
Germany  
DB PRESENTATION



*Hecker studied economic sciences at the TU Berlin. He worked during his student-time as lecturer and entrepreneurial advisor for the CAMPUS GmbH at the TU Berlin. After completing his studies, he founded the import-enterprise ANDUPEZ and worked in the field of cultural managing. He profiled in new media, advertisement, communication and IT. He funded the consultant agency HECKER CONSULT and is working as entrepreneurial adviser and coach.*

**Jörg Hecker**  
Hecker Consult,  
Germany  
ALUMNI LAB SPEAKER



*Heiermann studied Architecture at the RWTH Aachen (Diplom Ingenieur) and at the Academy of Arts, Düsseldorf. In 1986 she was awarded an architectural scholarship from the DAAD to study in Rome. From 1991 to 1993 Heiermann worked as architect for Planning Group Kasper, Aachen and Ortner Architects, Düsseldorf. From 1991 to 1993 she worked as lecturer at the University of Applied Studies, Aachen. Since 1995 she has been Assistant Professor for Building Typologies and Design Basics, RWTH Aachen, where she worked as Interim Professor from 2007 to 2008. In 1997 she won the Award for Emerging Architects in Nordrhein-Westfalen, Germany. Since 2003 she works as architect at Heiermann Architekten together with Severin Heiermann.*

**Bernadette Heiermann**  
RTWH Aachen,  
Germany  
DB PRESENTATION



*Dr. Heiß holds a PhD in Informatics from Karlsruhe University. From 1980 to 1995 he worked as Research Fellow and Adjunct Professor at the Operation Systems Chair in Karlsruhe University. In 1989 he worked as Post-Cod-Fellow at the IBM Watson Research Center in Yorktown Heights, USA. In 1990 he was invited as guest professor at Helsinki University, Finland. In 1993 Dr. Heiß got his Postdoctoral Lecture Qualification, and from 1994 to 1995 he worked as Professor of Operation- and Distribution Systems at the TU Ilmenau; from 1995 to 2001 as Professor of Practical Informatics at Paderborn University; and since 2001 he holds the chair for Communication and Operation Systems at the TU Berlin. Since 2012 Dr. Heiß is the Vicepresident of the TU Berlin.*

**Prof. Dr. Hans-Ulrich Heiß**  
Vice President of TU  
Berlin, Germany  
HOST/ WELCOME



*Lampe is head of the Department of Projects & Organisations at betterplace.org, Germany's large online donation platform. Björn studied politics and worked and several NGOs beforehand, incl. the German branch of Make Poverty History and the Jubilee Debt Campaign.*

**Björn Lampe**  
betterplace.org,  
Germany  
ALUMNI LAB SPEAKER





**Prof. Dr. Andres Lepik**  
 Architecture Museum  
 TU München, Germany  
**MISSION STATE-  
 MENT**

*Dr. Lepik studied at the Universities Augsburg and Munich. He graduated in 1990 with a PhD on Architectural Models in the Renaissance at the Bibliotheca Hertziana, Rome. From 1994 he worked as curator at the Neue Nationalgalerie, Berlin. From 2007 to 2011 he was curator at the Architecture and Design Department in The Museum of Modern Art, New York, where he presented the exhibition „Small Scale, Big Change. New Architectures of Social Engagement“. In 2011 and 2012 he was a Loeb-Fellow at the Graduate School of Design in Harvard University. In 2012 Lepik became Professor for Architecture History and Curatorial Practice, and Director of Architecture Museum of the Technische Universität Munich.*



**Alexandra Linden**  
 GIZ, Gesellschaft  
 für Internationale  
 Zusammenarbeit,  
 Germany  
 THINKLAB  
**MODERATOR**

*Linden has been working as Urban / Regional Planner and Consultant for the private and public sector, NGOs, research institutions and international organisations in Europe, Africa, Asia, and Latin America. Her assignments dealt with urban development, infrastructure and resource management, urban upgrading, institutional capacity development, civil participation, professional networks, decentralisation and multi-level policy advice. As a visiting professor Alexandra covers the subject of urban economics at the German University of Technology Oman / RWTH Aachen. She is currently advising the German Federal Ministry for Economic Cooperation and Development on sustainable urban development on behalf of the German Development Cooperation (GIZ GmbH).*



**Friederike Meyer**  
 Bauwelt Magazine,  
 Germany  
**BEST PRACTICE  
 MODERATOR**

*Meyer studied Architecture at RWTH Aachen and as DAAD-scholar at University of Washington in Seattle, where she met Sergio Palleroni and took part in his Design Build Studio in Cuernavaca / Mexico in 1997. She was also trained in History of Art at the Technische Universität Dresden and at the Evangelische Medienakademie in Berlin. Since then she has been working as a journalist, writing about Architecture and Urban Development and Community issues, contributing to taz, Spiegel TV, Deutschlandradio Kultur, Baunetz.de and various other magazines. Since 2000 Friederike has been editor for Bauwelt.*



**Prof. Dr. Philipp  
 Misselwitz**  
 TU Berlin/ Urban  
 Catalyst, Germany  
**PANEL DISCUSSION  
 MODERATOR**

*Dr. Misselwitz is an architect and urban researcher. He studied Architecture at Cambridge University, and at the AA London. He has taught at the London Metropolitan University (2001-2002) and the Universität der Künste Berlin since 2003. Misselwitz worked as Research Fellow in the project “Urban Catalyst“ (2001-2003), and he is founding partner of the Urban Catalyst office constituted in 2003. He was local curator in the Federal Cultural Foundation’s project “Shrinking Cities” (2003 – 2004), initiator of the project platform “Border Geographies” focusing on the research of urban conflicts in Israel/ Palestine, initiator of the research project for the Urbanisation of Refugee Camps, (UN, 2005-2006), and co-initiator of the project “ZwischenPalastNutzung”. Since 2013 he is head of the department of international urbanism and design Habitat Unit at the TU Berlin*



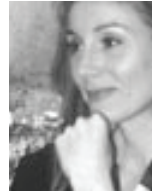
**Dr. Roberta Nicchia**  
 Archintorno, Italy  
**DB PRESENTATION**

*Nicchia is an architect, has a master degree in Spatial Planning of Sustainable Urban Systems and a PhD degree in Environmental Engineering. Her major areas of interest are urbanization and housing in developing countries. She collaborates with the research group on Urban and Regional Planning at the University of Trento and participated recently in the elaboration of the master plan of Siena, Mozambique. She is a funding member of the Archintorno Association, for which she coordinated projects with indigenous communities in Mexico. She is currently visiting professor at the UNAM-Universidad Nacional Autónoma de México in Mexico City.*



Nedelykov graduated in 1983 in Architecture (Dipl.-Ing.) at the Technical University of Berlin. She was Vicepresident of the National Chamber of Architects from 2001- 2007, and of the Architects Chamber of Berlin (AKB) from 1999-2005 and Co-Founder of the programmes „Heritage“ and „Architecture and Children“ of the AKB. She was council member of the UIA and Director of the UIA-Workprogramme Heritage Region 1, Europe. She shares since 1998 the office 'Nedelykov Moreira Architects' with Pedro Moreira in Berlin, specialized in building heritage, making projects in Germany, Brazil and Ethiopia.

**Nina Nedelykov,**  
Bundesarchitekten-  
kammer / UIA, Germany  
THINKLAB  
MODERATOR



Palleroni is an architect, professor, and senior fellow at the Institute for Sustainable Solutions at Portland State University, Oregon. He is internationally known for his social and environmental activism, providing with his students and collaborators sustainable design solutions to communities in need. He was educated at the University of Oregon where he received his B.Arch., and at the Massachusetts Institute of Technology where he received an M.S. in History, Theory, and Criticism. He has worked in Nicaragua, Mexico and Northern Africa on UN and World Bank sponsored projects. In 1987, Palleroni founded a not for profit, Comunidad AC, a Mexican sustainable development organization for women in informal settlements in Mexico, that since 1995 is known as the BASIC Initiative, a service learning program, which every year challenges students at various partner universities in the US, Latin America, Europe, and Asia to engage the grave social and environmental problems of communities traditionally underserved by the design fields.

**Prof. Sergio Palleroni,**  
BaSiC Initiative,  
Portland State University  
Germany  
BEST PRACTICE +  
THINKLAB  
MODERATOR



Pawlicki holds a Master in Architecture (Diplom Ingenieur). She studied at the Technische Universität Berlin and the Pontificia Universidad Católica de Chile. In 2008-2009 she participated as a student in the TU Berlin's DesignBuild-Studio „Praktikumssseminar Mexiko“, where she works as manager assistant and construction supervisor since 2011. In 2006 she received a scholarship from the DAAD to participate in the „Go East Programme“ in Uzbekistan. Since 2006 she has worked as freelancer for different architecture firms such as Büro BergeStrugar, Kern Ingenieurkonzepte and planschmid. She is co-founder of the Berlin Wedding-based interdisciplinary collective ‚Baufertigladen‘.

**Nina Maria Pawlicki**  
CoCoon, TU Berlin,  
Germany  
CURATOR



Reitz holds a Master's degree (Diplom Ingenieur, with Honours) in Architecture from RWTH Aachen University, Germany. She attended the Masterclasses given by Elia Zenghelis, at the Academy of Arts, Düsseldorf, and by Zaha Hadid, at the University of Applied Arts, Vienna. From 2003 to 2006 Reitz worked as project and design architect for Zaha Hadid Architects, London. Since 2006 she runs bfr lab, an office for Architecture, Design and Research. In 2009 she won the Award for Emerging Architects in Nordrhein-Westfalen, Germany. In 2010 Reitz worked as Lecturer at the University of Applied Science in Düsseldorf. From 2006 to 2011 Reitz was Assistant Professor of Building Typologies and Design Basics, RWTH Aachen, and since 2011, Reitz is Professor for Design / Interior Planning, at the University of Applied Science, Düsseldorf.

**Prof. Judith Reitz**  
PBSA Düsseldorf,  
Germany  
DB PRESENTATION



Ring is known especially for her work as the founding Director of the German Center for Architecture DAZ (2005-2011) and as the co-founder of the gallery SUITCASEARCHITECTURE (2001-2005). Ring works as a curator, editor and architectural critic in communicating architectural topics as well as in teaching. Ring is American, living in Berlin since 1991 and is a registered, German Architect. She founded AA PROJECTS in 2011, an office in charge of developing concepts for future oriented projects in the area of Architecture and Urban Development.

**Kristien Ring**  
AA Projects, Germany  
THINKLAB  
MODERATOR





**Valentina Rojas Loa**  
**M.A.**  
CoCoon, TU Berlin  
Citambulos, Germany  
CURATOR

*Rojas Loa holds a MA in Arts Management from the University of London. In 2003 she co-founded Citambulos, a collective of interdisciplinary urban research. With Citambulos, she has worked as collaborator, co-curator and project manager at various exhibitions: The Interventionists: Art in the Social Sphere, MassMoCA; Citámbulos: Journey through the Looking Glass, National Museum of Anthropology, Mexico, and architecture museums in Berlin, Linz and Copenhagen; and Instant Urbanism, SAM, Basel. Together with the Alfred Herrhausen Society of Deutsche Bank / London School of Economics she assisted in the organisation of two international symposiums on Mexico City and in the organisation of the Urban Age Award Mexico City.*



**Giuliana Sandulli**  
Archintorno, Italy  
DB PRESENTATION

*Sandulli graduated in Architecture at the Federico II University of Naples in 2012. Founding member in 2005 of the association Archintorno, vice president since 2010. Chief executive officer in many projects of the association, and coordinator of the cooperation projects in indigenous communities in Mexico. Also worked within her city, Naples, through projects of urban and social redevelopment through the use of participative practices.*



**Piers Taylor**  
AA London, Great  
Britain  
DB PRESENTATION

*Taylor is one of the key Design/Build pioneers in the UK. He founded Studio in the Woods in 2004 – an annual summer school where students test ideas through making at 1:1 alongside practicing architects that has developed an international cult following. Taylor has taught at numerous architecture schools throughout the UK including the University of Cambridge, where he was a design fellow, to the Architectural Association, London, where he now teaches in the graduate school, and where he helped to establish the AA Design & Make M Arch program.*



**Andrea Tulisi**  
Archintorno, Italy  
DB PRESENTATION

*Tulisi graduated in Architecture from the University Federico II in Naples in 2006. He is one of the founders of Archintorno and its president since 2010. Through this organisation, he has participated in several projects involving indigenous communities in Mexico as responsible for the construction design and director of the worksite. In 2010, he won an international competition with a multidisciplinary team for the implementation of low-cost housing prototypes for families affected by AIDS and tuberculosis in Haiti. He is currently a PhD student in technology of Architecture at the Faculty of Architecture of the Second University in Naples.*



**Kirsten von der Heiden**  
ZEWK, TU Berlin,  
Germany  
ALUMNI LAB SPEAKER

*Von der Heiden studied Landscape Planning until 1997 at the TU Berlin. Since 2003 she works in the sector ZEWK (Zentral Institution for Scientific Further Qualification) in the division kubus (Kooperations- und Beratungsstelle für Umweltfragen: ‚Sector for Cooperation and Consultancy for Environmental Questions‘). Currently she is project manager of the INBETWEEN Project for employees of the TU Berlin, focusing on the professional downtime of women in enterprises related to family-based reasons.*

## *Collateral Effect*



We met in 2003 on the construction site in Tlacolula, a Town in Oaxaca-State in the south-east of Mexico. After four years of living, studying and working either in Mexico City or Berlin, we got married in Denmark and settled down in Berlin.

In 2012 we realized 2 new projects together: Our daughter Amelia was born and we founded a small business for importing Acapulco chairs from Mexico to Berlin.

We want to symbolize these important events that have changed our lives with Amelia's Acapulco chair.

Laura:

I heard about the "Mexiko Projekt" from Prof. Ingrid Goetz during an Information meeting at the very beginning of my Architecture degree in 2000 at the TU Berlin and I knew at that very moment that I wanted to be involved in it.

Mauricio:

I found out about the cooperation project with the TU-Berlin in 2001, through an exhibition in the foyer of the Architecture Faculty at the National Autonomous University of Mexico (UNAM) and I decided to apply for the following year in order to improve my German.

# Outlook on the DesignBuild- Studio Chapter

*This is an outlook on the content of the DesignBuild Chapter of the book, currently being edited by CoCoon. About 25 Studios will present their work.*

The following section shows an actual snapshot of the shifts and global expansion of the DesignBuild landscape by portraying most of the DesignBuild-Studios that participated in the symposium. The selection of participating studios was made depending on their submission to a call for papers released by CoCoon. A variety of foci and expertise in the abstracts then formed the basis for designating the selected speakers to the different sessions of the symposium to refine each of the sessions' topics. The studios presented themselves either within the DesignBuild-Session on the first day, which was intended to show best practices in the field of DesignBuild, or with short prompts to kick-start the ThinkLabs. All of them were asked to contribute to the exhibition, which was completed by a few additional participants.

As described before, two important DesignBuild-locations were scarcely represented in the symposium. Sergio Palleroni and Steve Badanes represented the long history of the DesignBuild-movement in North America in the 'Stars' Session of the symposium. The use of a different term, namely 'Live Project' is the reason for missing out on some of the excellent initiatives in the United Kingdom. We only started to know of this important group of studios shortly after the symposium took place. In this compendium 'Live Projects' are not represented as they were not part of the symposium.

The studios exposed here can be categorised according to different denominations. Some examples include: being a permanent or temporary structure; the time spent on the design and construction phase; whether the projects were undertaken in the country the school is based or abroad; or the intended use. Some studios count on a long history and theoretical background while others are just emerging, struggling for curricular embedment and sustainability.

The widespread variety of interpretation of the DesignBuild methodology can also be seen in the lack of a common definition that all of the studios share. CoCoon has been working on this definition ever since. The current version developed within the EDBKN consortium is being published on the web-platform design-buildXchange.eu ([dbxchange.eu](http://dbxchange.eu)):

**DesignBuild Projects are components of higher education in the field of built environment that allow students to be physically involved in the materialisation of their designs.**

**DesignBuild Projects must:**

- be based in higher education
- have a brief, budget and time-frame
- be built (be intended to build)
- have students involved in the design AND construction of the project
- be of architectural, social, cultural, scientific, technical or artistic relevance

All of the contributions in this section were handed in by studio representatives. For further information please refer to the according project contact.



Above:  
 Entrance of the exhibition of the Symposium: 'DesignBuild-Studio. New Ways of Architectural Education' 2012 at Technische Universität Berlin

Below:  
 View on the exhibition of the Symposium

Picture-Credit: CoCoon



# INDA

Dr. Preechaya Sittipunt,  
Dr. Scott Drake

Making Merit Through Design Build:  
Projects at INDA

## Outlook

**University:** Chulalongkorn University,  
Faculty of Architecture, Bangkok,  
Thailand

**Person (s) in Charge:** Dr. Preechaya  
Sittipunt, INDA Director / DesignBuild  
Program Manager  
Dr. Scott Drake, Academic and  
Technology Coordinator / DesignBuild  
Coordinator

**Country of Residence:** Thailand  
**Countries where projects have been  
built:** Thailand, India (Gokana), UK  
(London), Germany (Berlin), USA  
(Vermont), Stockholm, Sweden

**Founding year:** 2008

**Year of the project(s) displayed:**  
2008 - present

**Number of projects built:** 39 Projects

**Numbers of students involved:** 80  
Students / Design Build Course  
2 courses in summer semester (June-  
July) = 160 students per summer  
semester

**Keywords:** DesignBuild, Community

INDA welcomes instructors and  
students internationally to join our  
Design Build Projects during June and  
July.

inda.designbuild@gmail.com  
<http://cuinda.com>

Above:  
*Once Upon A Tree, Songkhla 2011*

Right:  
*The Knowledge Hut, Ban Klong Pa-Mai, Rayong 2008*

Picture-credits: INDA



INDA is the International Program in Design and Architecture in the Faculty of Architecture, Chulalongkorn University, Bangkok, Thailand. Chulalongkorn, founded by King Rama V in 1926, is Bangkok's first and most prestigious university. While the Faculty of Architecture was established in 1933, INDA was launched in 2006, and 4 classes have now graduated. INDA offers a B.Sc. (Architectural Design), a 4 year pre-professional degree which was recently granted accreditation by the Architects Council of Thailand. The curriculum was designed to include Design Build Studios as two compulsory courses which take place during summer (around 6-8 weeks in June-July each year); the course *Design Build Project* for year 2 students, and *Design and Construction Project for Communities*, for year 3 students. While the year 2 projects are more experimental and temporary, e.g., installation, exhibition, or small temporary structures, the year 3 projects focus on underprivileged communities, paying attention to the design process with community participation, with the cooperation of corporate sponsors, non-profit organizations, government and local authorities, contractor and suppliers.

To overcome the usual problems associated with DesignBuild projects, namely obtaining funding and approval for construction, all projects at INDA are centrally coordinated, with the Director and INDA administration identifying projects, sourcing funding, establishing collaboration agreements with sponsors and obtaining relevant approvals from local authorities. This enables the instructors and students to focus on research, collaboration with clients and communities and of course, design and construction.





Left:  
Book Barn, Phon, Khonkaen 2012  
Below:  
Module Library, Sra-Gaew 2012

Picture-credits: INDA

Projects are generally initiated by instructors, sponsors, local authorities, or the communities themselves. Each summer, students are offered a range of projects and work in groups of 10-15 students under the supervision of one instructor. With 160 year 2 and year 3 students, there are around 12 projects offered each summer. Projects are typically small scale structures of around 20-100 square meters, with a budget of around 240,000 - 600,000 THB (US\$8,000-20,000). Once a project is approved, students take part in the entire design and construction process, including research, programming and feasibility studies, community consultation, public forums, user studies, site analysis, preliminary design and design development, preparing working drawings and specifications, construction methods, cost estimation, and purchasing of materials. Other activities may include project planning and management, partial fundraising, organizing an opening ceremony, or producing a documentary film or printed publication.



Projects may involve assistance from building contractors for specialist work, such as footings, plumbing, electrical installations, roofing or glazing. Although students are unable to carry out such work, they do engage with contractors' operations. Projects which are outside Bangkok, particularly in remote locations, provide the opportunity for students to manage logistics, including transportation, accommodation and catering, as well as organizing equipment and supplies for construction.





The forms of merit arising from the DesignBuild projects include:

1. Providing a bridge between studio / academic work and real-world implementation
2. Instilling in students a sense of social responsibility and willingness to provide assistance
3. Helping students to acquire skills in project management and working in teams
4. Forming collaborative networks between the University, communities, and the private sector

#### Challenges and Future Plans

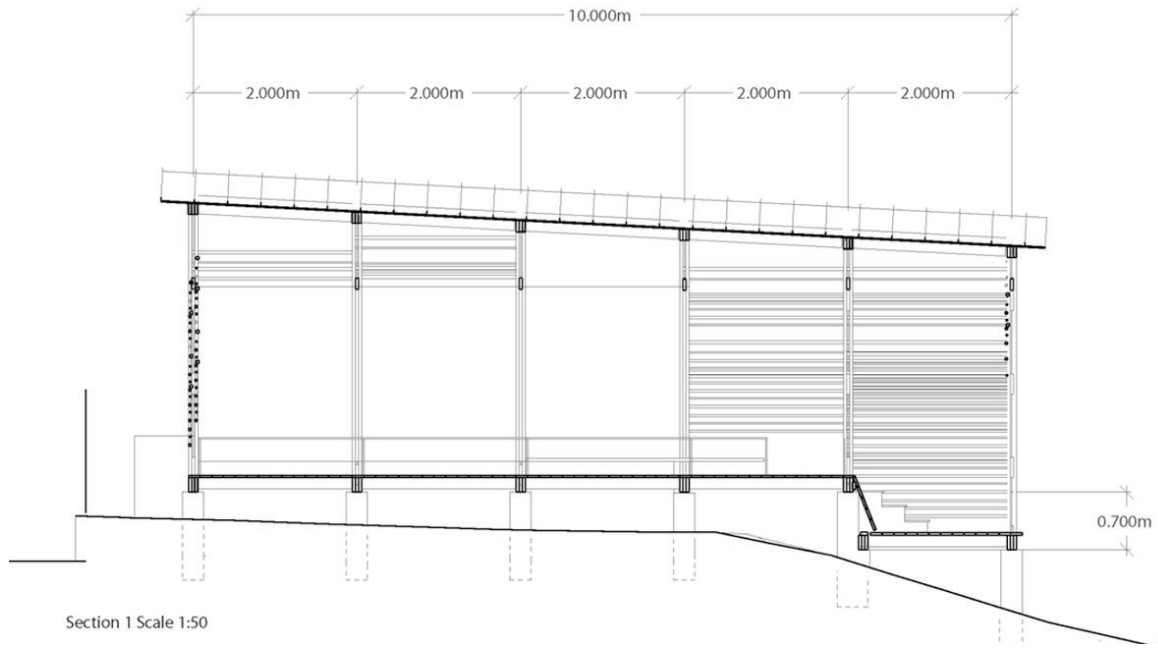
All of the INDA DesignBuild Projects undertaken to date have been small scale intensive projects, but without longer term follow-up or on-going involvement with the communities. This is mostly due to time constraints, with instructors and students needing to resume regular studies in August immediately after the summer DesignBuild schedule. For future projects, INDA plans to offer longer-term involvement with communities, and will endeavor to solve not only physical / environmental issues (such as upgrades to housing and infrastructure, or preservation and renovation of cultural heritage site and buildings) but will also address social and economic issues for communities, such as improvements to living conditions, supporting education and career training, helping to reduce crime and drug use, or creation of a community center to support social enterprise.

Above:  
reSALA Pavilion, Summakorn Village, Bangkok 2010  
Below:  
San Pa Sak Pavilion, San Sai Village, Mae Sai, Chiang  
Rai 2010  
Right:  
San Kred Thong Pavilion, Akha Village, Mae Sai, Chiang  
Rai (2010)

Picture-credits: INDA







# students build in...

Prof. Dr. Marcus Hackel,  
Prof. Rainer Mertes

## Outlook

**University:** Berlin University of Technology / Wismar University  
**Person(s) in charge:** Prof. Dipl - Ing. Mertes, Prof. Dr. - Ing. Hackel (Wismar University)  
**Country of Residence:** Germany  
**Countries where projects have been built:** Afghanistan, Peoples Republic of China, Thailand, Brazil, Malawi, Tanzania  
**Founding year:** 2000  
**Year of the project(s) displayed:** 2004, 2006, 2008, 2008, 2009, 2010  
**Number of projects built:** 7  
**Number of students involved:** approx. 150  
**Keywords:** Hands-on Projects, Low Cost, Sustainable Materials and Construction, Intercultural Communication

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marcus.hackel@hs-wismar.de



The international design courses 'Students build in ...' give the participants an integrated perspective on urban and architectural design and execution planning as well as international project management and intercultural learning and communication.

The objectives of our projects go beyond ecological sustainability. The focus is also on socially and culturally sustainable concepts using local knowledge and building methods. Our architecture aims to build on local experience while breaking new ground which is essential for sustainable development. Based on comprehensive analyses of the regional, socio-cultural and economic circumstances, design concepts as well as detailed execution-drawings are developed by German students and students of our partner universities in the first project phase. Finally the projects are built by the students themselves during the eight weeks of the second project phase.

### CASE STUDY SUSTAINABLE LOW COST SALA PAVILIONS

A public meeting space for the Amphawa village in the Samut Songkhram Province, Thailand

As part of the design project series 'Students build in ...' of the Architecture Master Degree program at the Technische Universität Berlin, Sala Amphawa was a cooperation project with the Tianjin University, PR China and the Chulalongkorn University, Thailand in close collaboration with the community of Amphawa.



Above:  
German Sala; meeting point after sunset

Right:  
German Sala April 2008  
Sala a public meeting point; natural ventilation and protection from rain and sun

Picture-credits: Ong



From top:  
 Thai Sala topping off ceremony  
 Picture-credit: Ong  
 Thai Sala April 2008  
 Picture-credit: Ong  
 German Sala building phase  
 Picture-credit: Marcus Hackel  
 German Sala topping off ceremony  
 Picture-credit: Marcus Hackel  
 Amphawa local wood dealer: finishing recycled wood  
 Picture-credit: Marcus Hackel

In the design phase in 2007, students from all three universities analysed the “Water Village” and developed several urban design and architectural design concepts. The participation process during the design phase included two stages of public hearings in Amphawa and a cooperative decision-making process with the local government. Two designs using recycled wood construction were chosen. Finally the multinational team of students and professors set out to build their ideas with their own hands in autumn 2008. The people of Amphawa cared for and supported their guests and were also involved in the building process. The sustainable, low-cost Sala pavilions serve as protected public spaces for the community of the Amphawa village. The inhabitants of the surrounding neighbourhoods and day trippers from Bangkok meet in the Sala pavilions; they spend time talking, eating, catching shrimps or fish and relaxing while enjoying the natural ventilation as well as the protection from rain and sun. The Amphawa citizens adopted the pavilions from the beginning. Site visits one and four month after handover showed that both pavilions were well used during daylight and at night. The building authorities and the village mayor emphasized that both pavilions served the community well as a neighbourhood meeting point. The mayor and the local government support the long-term evaluation of the project in cooperation with the Chulalongkorn University Bangkok. In recognition of the cultural significance and in appreciation of both the architectural and the living heritage of the water village Amphawa the “Thailand Cultural Environment Project of Amphawa” and the Sala Pavilions received an Honorable Mention of the UNESCO Asia Pacific awards for Cultural Conservation.



#### OTHER PROJECTS of the “STUDENTS BUILD IN ...” PROGRAM

Afghanistan (planning 2003, realization 2004)

Reconstruction of Suria School and the university bookshop in cooperation with the University of Kabul, Afghanistan

PR China (planning 2005, realization 2006)

Ecological, social and cultural sustainable low cost, low scale housing prototypes for rural south west China, build for the Buyi Minority in the Guizhou Province in cooperation with the Tianjin University, PR China

Brazil (planning 2007, realization 2008)

Reconstruction of the music and dance school Buscapè in the historic center of Salvador de Bahia in cooperation with the Universidade Federal de Bahia, Brazil

Malawi (planning and realization 2009)

Cultural center/school for AIDS orphans in Lilongwe

Tanzania (planning and realization 2010 and ongoing)

Lodges for small-scale sustainable tourism development and meeting house for the Mwamgongo village near Gombe National Park at the Tanganyika Lake in cooperation with the University Dar es Salaam



# Vernacular Aspiration

a guided bustour through  
contemporary vernacular Berlin;  
1st of December 2012



CoCoon - Bustour through  
contemporary vernacular Berlin  
**Vernacular Aspiration**  
1st of December 2012  
selected and guided by:  
Ursula Hartig  
Nina Pawlicki  
Valentina Rojas Loa

① **Department of Architecture**  
Ernst Reuter Platz

② **Ökohaus**  
Corneliusstrasse 11/12

③ **Prinzessingarten**  
Prinzenstr. 35-38

④ **Wohnregal**  
Admiralstr. 16

⑤ **Regenbogenfabrik**  
Lausitzer Str. 22

⑥ **Freischwimmer, Arena, Badeschiff**  
Eichenstrasse

⑦ **Laster- und Hängerburg**  
Modersohnstr. / Revaler Str.

⑨ **Restaurant Merhaba**  
Greifswalder Str. 4

*Edited and guided by:*  
*Ursula Hartig, Nina Pawlicki*  
*Valentina Rojas Loa*  
*CoCoon*

'Vernacular' is a word that does not exist in German, as well a word that is not easy to define in other languages. Maybe it is easier to describe what it is NOT, rather than to describe what it IS. Most descriptions of 'Vernacular Buildings' are characterised by: building without professionals, without an engineer, planner, without a plan, without the abstract drawing of an imagined space.

Erected by the people who then will use the space, built with local material and traditional methods, adapted to the local climate, optimized to their use, Vernacular Buildings are both dedicated to and follow the cultural syntax.

The origin of the word 'architecture' is Greek. Architekton comes from arché (meaning the origin, the genesis, the basis), tekton (the master builder) and techné (meaning art or handcraft). So, while specialists, masters and professionals do architecture, people from the village built vernacular.

Vernacular Architecture is a contradiction in itself. Our interest in Vernacular Architecture is comprehensible as we are planning and building the DesignBuild projects in a mostly vernacular context, as our projects in Mexico show. Nevertheless, there remains some doubt regarding the real motivation of the students (and us as teachers) who take part in these adventures to force a house to grow out of the earth with their own hands.

I am convinced that there is some archaic, basic need, there is a vision to mould

the space we inhabit, to self-determine the character of a private individual as well as common and public space.

*Corneliusstraße 11/12  
10787 Berlin-Tiergarten  
Ensembled modell of the different apartments*

This tour will guide you through a field of examples related to the self-determination of space in Berlin, but of different types. Some of them are very close to 'real' vernacular buildings that you might also find in informal settlements in developing countries, while others are more related to the individual self-fulfilment of an architectural dream that is based on the need to save money by doing-it-yourself, or are rooted in an alternative way to share life.

*Picture credit: solidar-architekten.de/ Dr. Ludewig*

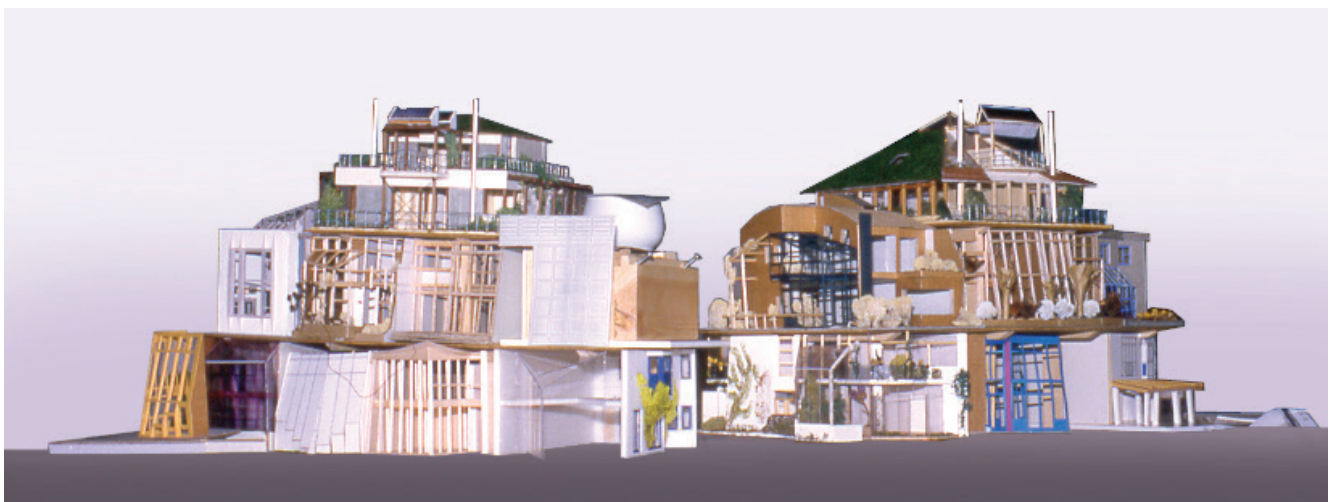
As the tour is limited, we can just show a selection of examples but feel free to discover this strange universe of 'Schebergärten', 'Dauercamper', illegal Clubs, 'Kinderbauernhöfe', Scoutscamps and 'indoor' camping-places...of Berlin.

### **1 Ökohaus 1989-1991**

The so-called 'eco-house', a complex of 26 duplex houses, were built for the International Building Exhibition (IBA) in 1984/87 on one of the most attractive urban residential locations in Berlin-Tiergarten, on the Landwerkanal. The design and planning of the structural design and the technical infrastructure came from Prof. Frei Otto. The building designs were produced by nine different architects according to the client's visions. The aim of the building designed from an environmental perspective was to create a 'home like a tree'. The overall idea was analogous to row-houses as private residential buildings, which are set on a concrete framework. The building received criticism and was seen as pandemonium without aesthetic liability, but was praised for the improvisational character of a controlled randomness.

Only the primary structure has been specified. The added residential units were realised by the individual owners, sometimes with considerable personal contribution.

*Resources:*  
<http://architekturvideo.de/der-traum-vom-baumhaus-das-berliner-oekohaus-von-frei-otto/>  
<http://www.solidar-architekten.de/projekte/baugemeinschaft/solidar-oekohaus-berlin.html>





Öko-Haus Corneliusstrasse  
Picture credit: solidar-architekten.de/ Dr. Ludwig

## 2 Prinzessingärten 2009 until now

Founded in 2009 by Robert Shaw, a filmmaker, and Marco Clausen, a bar owner and photographer, the project was inspired by a trip Mr. Shaw took to Cuba where he saw urban farmers not only growing their own food, but also creating communities around urban agriculture. At Moritzplatz in Berlin Kreuzberg, a site which had been a wasteland for over half a century, Shaw and Clausen, together with many friends, fans, activists and neighbours, cleared away rubbish and built transportable organic vegetable plots.

Nomadisch Grün (Nomadic Group), the group that launched and runs the place, believes that every available space in big cities should be converted into green spaces. These places should be created by the people themselves and be used to produce fresh and healthy food. In this way, these places would not only increase the biological diversity, reduce CO2 emissions and create a better microclimate, but they would also promote a sense of community and the exchange of a wide variety of competencies and forms of knowledge, and would help people lead more sustainable lives.

Prinzessinnenstraße/ U-Bahnhof Moritzplatz  
PictureCredit:  
Jan Ganschow  
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Noncommercial-Share Alike 3.0 Unported License

The Prinzessingarten is open to the public, providing a space for people to work in the garden, visit the cafe, learn about biodiversity and planting techniques or just relax and enjoy the oasis of green in the middle of the city.



Since 2012, the Prinzessinnengarten at Moritzplatz has faced a very uncertain future due to the fact that the Property Fund - which has been commissioned to sell the plot on behalf of the Berlin Senate - is planning to sell the city-owned plot to private entrepreneurs. In order to defend the place and extend the lease on Prinzessinnengarten for five years more, the people of the garden have started a campaign called 'Let it grow!', where you can sign a letter to the Berlin Senate and make donations.

Resources:  
<http://www.prinzessinnengarten.net>

### 3 Wohnregal 1984–86

The Wohnregal (the 'Living Shelf') was conceived as a self-build project and erected under the overall umbrella of the International Building Exhibition (Altbau-IBA) in Berlin in 1987. The Wohnregal was conceived as an alternative to home ownership by Berlin-based architect Peter Stürzebecher. The execution of this project was structured as a participative project consisting of three phases: 'Planning together, building together, living together'. The intention of the project was to provide a cheap prefabricated reinforced concrete frame and slab structure that acts as a shelf onto which future residents could build facades, partitions, party walls and intermediate floors using a timber building system.

The planning process focused around a 1:20 model which allowed the lay-self builders to visualise the architectural plans and to specify precisely the position of walls, as well as windows and balconies.

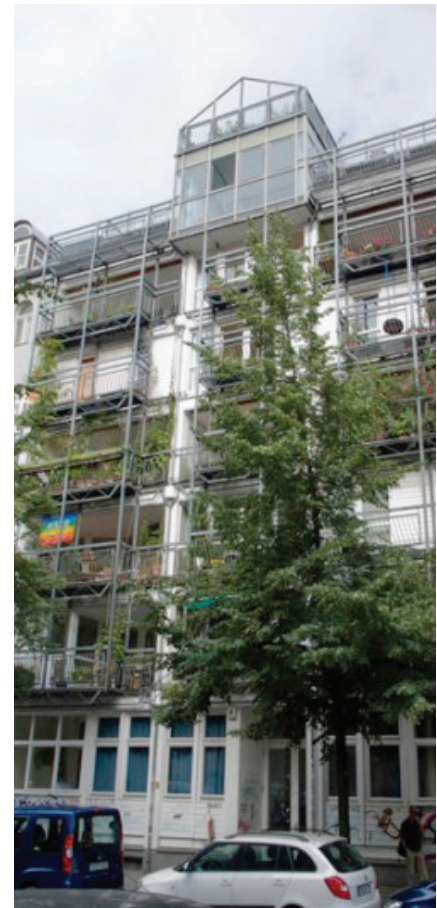
Resources:  
<http://www.zeit.de/1987/17/haus-der-zwoelf-haeuser/seite-1>  
<http://f-iba.de/wohnregal-admiralstr/>  
 Stürzebecher, Peter u. Kjell Nylund: *Das Wohnregal im Schnittpunkt der Linien: Bewohner planen, bauen und leben gemeinsam in der Admiralstrasse 16, Berlin-Kreuzberg* : Internationale Bauausstellung, Berlin 1987.

### 4 Regenbogenfabrik

The building was squatted during the 'Hausbesetzer'-movement in of 1980. 50 people were looking for an alternative way of living against the speculation and demolition of the old Kreuzberger buildings that destroyed a lot of cheap living space in this area. Just with their own hands and little resources they succeeded in creating a small island within the city that exists until now.

It has become a neighbourhood centre for children and culture and supports alternative ways of living. 'We live and work collectively in a frame of solidary economics. For the Regenbogenfabrik, every work has the same value.' A hostel, a cinema, a canteen and workshops serve guests, neighbours, volunteers and collectivists equally.

Resources:  
[www.regenbogenfabrik.de](http://www.regenbogenfabrik.de)



Admiralstraße 16, früher 18e, Berlin-Kreuzberg  
 Kjell Nylund, Christof Puttfarcken, Peter Stürzebecher  
 Picture Credit: Gunna Klarck



Lausitzer Straße 22, 10999 Berlin  
 Picture Credit: Logo: Regenbogenfabrik e.V.  
 Cinema: CoCoon





## 5 Freischwimmer / Arena / Badeschiff

The Arena Berlin was designed as a bus garage by architect Franz Ahrens. In its time, the hall was the largest self-supporting hall in Europe - 240 buses fit inside. Later, like many other industrial buildings, it was misused by the Nazis and then served as refugee camp in the 1950s. From 1961, the hall was in the neighbourhood directly adjacent to the Wall and only the GDR-Soldiers controlling the frontier had access to it. In 1993, after the fall of the Berlin Wall, the Berlin Bus Company abandoned it.

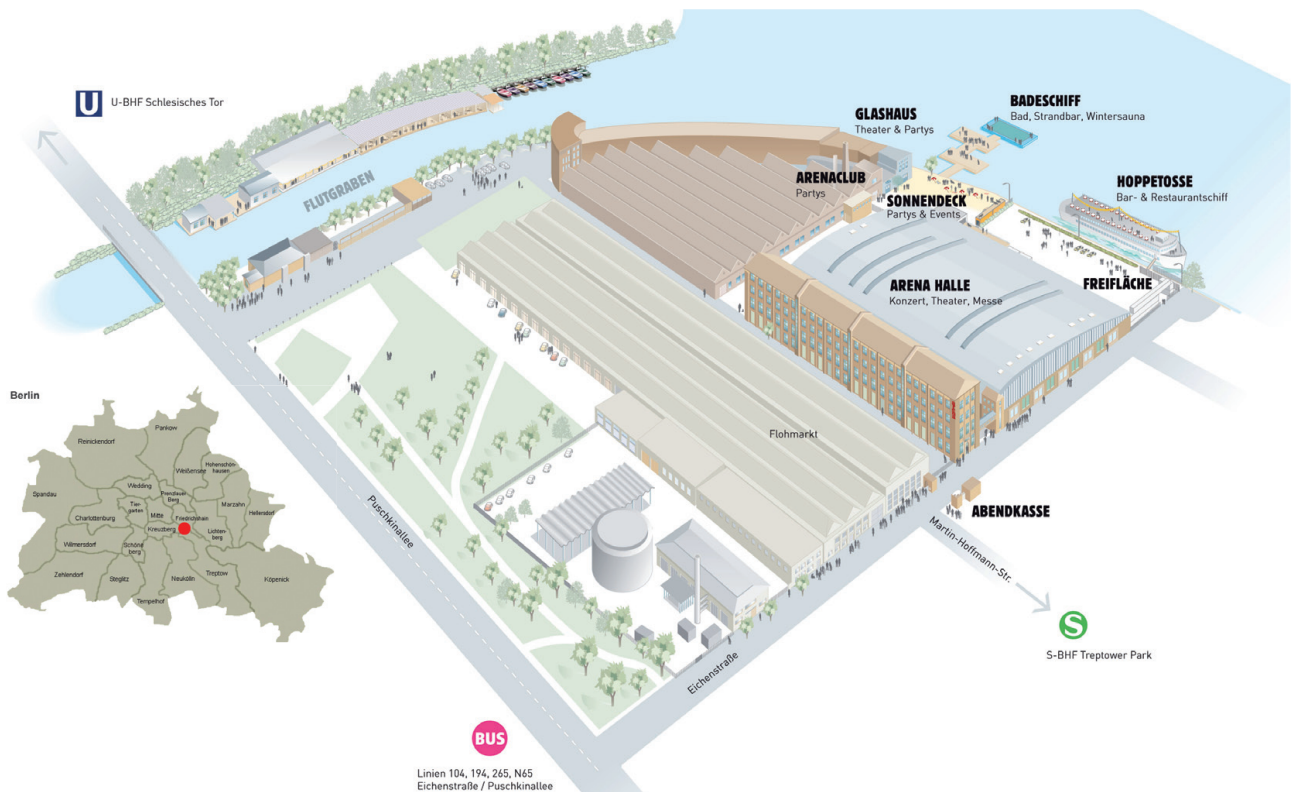
In 1995, new life came into the building complex. The civil association 'ART Kombinat', part of a bigger movement conquering public and abandoned private spaces in Berlin in order to them back to the citizens, realised its potential and started a dynamic metamorphosis to create a sort of cultural micro-cosmos. This consisted of: the Big Hall, used for concerts, events, theatre, parties, and fairs with a capacity for 9,000 people; the 'Glashaus', used as a bar and concert location;

the 'Badeschiff', a former coal-barg converted into a swimming pool with a metropolitan beach in the summer and a beautiful sauna in the wintertime; and the 'Hoppetosse', a former passenger line used today as restaurant, disco and café.

Resources:  
<http://www.freischwimmer-berlin.com/>  
<http://www.arena-berlin.de/>

Freischwimmer:  
 Vor dem Schlesischen Tor 2a; 10997 Berlin  
 Badeschiff and Arena: Arena Berlin Betriebs GmbH;  
 Eichenstraße 4  
 12435 Berlin

Picture credits:  
 Map: Semmel Concerts Veranstaltungsservice GmbH  
 Freischwimmer: [www Freischwimmer-berlin.com](http://www.freischwimmer-berlin.com)  
 Badeschiff: Marcel Mettelsiefen





## 6 Wagenburg Laster und Hänger

In the 1980s, a new phenomenon could be seen in Kreuzberg. Young people were parking their bus or truck in the shadow of the Berlin wall and had started an alternative way of living, somehow reminiscent of gypsy camps. It was at the same time that empty houses that were meant to be demolished were being squatted by politically left-oriented activists: the 'Hausbesetzer'- Movement. The climax was the so-called 'Battle at Fraenkelufer', a street following the river of Spree in the district of Kreuzberg, where 200 people were injured and 66 were arrested.

Neighbours didn't really like the 'Wagenburgen' (wagon fort) because of their obscure way of being. The people choosing this way of living are opposing the consumerist 'normal' life and are oriented toward a self-determined community. Normally, they obtained no legal status but were tolerated by the government. Some squatted places illegally, living in the permanent fear of being displaced, whereas others already had a lease contract. Some of the 'Wagenburgen' still exist but many are abandoned or have been expelled.

Since 2001, the 'Laster-und-Hängerburg' has been situated on a parcel on Modersonstrasse and Revaler Strasse in the district of Friedrichshain. Most of the neighbours accept them and the government of Friedrichshain/Kreuzberg tolerates them. In a short time they will form a legal lease contract.

About 18 adults and 12 children are living in this 'Wagenburg'. They live in trucks, buses, circus-wagons and share a kitchen-wagon, a bathroom and sauna-wagon, as well as an administration-wagon and toilets. They use solar panels, wind energy and a generator to power the site self-sufficiently. The people living there work in very different professions. Amongst them are an architect, a tailor, an energy technician, a lawyer, a carpenter, as well as unemployed people and students.

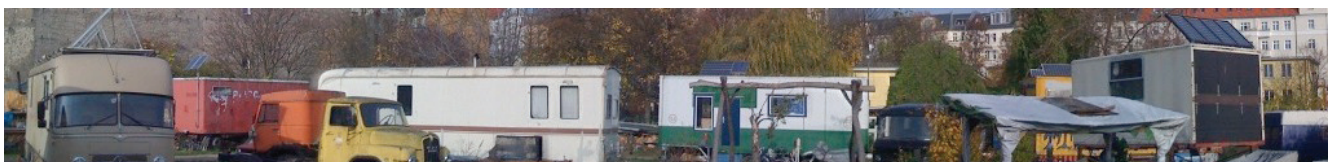
Resources:  
<http://www.lasterundhaengerburg.de>



*Modersonstrasse/ Revaler Strasse*

*Glühwein at the Laster und Hängerburg  
Picture Credit: CoCoon*

*Panoramic View  
Picture Credit: [www.lasterundhaengerburg.de](http://www.lasterundhaengerburg.de)*



# Speakers List

Speakers/ exhibitors of the Symposium  
 DesignBuild-Studio:  
 New Ways in Architectural Education,  
 TU Berlin, Date: Winter 2012

LAST NAME	NAME		ORGANISATION	COUNTRY
Alfaro d'Alençon (Ms)	Paola	Dr.	Überlebenskunst; Habitat Unit-TU Berlin	Germany
Badanes (Mr)	Steve	Prof.	Neighborhood Design/Build Studio, Jersey Devil; University of Washington, Seattle	United States
Bassanese	Silvia		Built our Nation;The Scott Sutherland School of Architecture	Italy/ Scotland
Bayl-Smith (Ms)	Melonie	Dr.	University of Technology, Sydney	Australia
Brillembourg (Mr)	Alfredo	Prof.	Urban Think Tank; ETH Zurich	Switzerland/ Venezuela
Capresi (Ms)	Vittoria	Prof.	Learn-Move-Play-Ground; German University Cairo	Egypt
Cavanagh (Mr)	Ted	Prof.	Free Lab/ Costal Studio; Dalhousie University	Canada
Colwill (Mr)	Simon		former ILAUP; TU Berlin	Germany
D'Alencon (Mr)	Renato		Reclaiming Heritage; TU Berlin/PUC	Germany / Chile
Daniel	Baerlecken		Junk; Georgia Institute of Technology	Germany/ USA
Delpont Voulgarelis	Hermie		Design-Build Research Studio; Cape Peninsula University of Technology	South Africa
Delso	Miguel		Reclaiming Heritage; TU Berlin; PUC	Chile
Dickson (Mr)	Michael		One to One; University of Queensland	Australia
Dobmeier (Mr)	Markus		Studio Mzamba; Orange Farm e.V. TU München/ University of Applied Science München	Germany
Fattinger (Mr)	Peter	Dr.	Design-Build-Studio; Vienna University of Technology	Austria
Goetz (Ms)	Ingrid	Prof.	former TU Berlin	Germany
Guthmann (Mr)	Thomas		COMPACT, Community of Art Producers':	Germany/ Bolivia
Gutiérrez (Mr)	Juan		Max Cetto, Practical Architectural Workshop; UNAM	Mexico
Hackel (Mr)	Marcus	Prof. Dr.	Studierende bauen in...; former TU Berlin; now Wismar University	Germany
Hardenbicker (Ms)	Ursula		DAAD	Germany
Hartig (Ms)	Ursula		CoCoon, Mexiko-Projekt; TU Berlin	Germany
Hassenewert (Mr)	Frank	Dr. Ing.	Former CoCoon, TU Berlin	Germany
Hecker (Mr)	Jörg		Heckerconsult	Germany
von der Heiden (Ms)	Kirsten		ZEWK; TU Berlin	
Heiermann (Ms)	Bernadette		Design_Develop_Built; RTWH Aachen	Germany
Hernández Spinola (Mr)	Francisco	Prof.	Max Cetto, Practical Architectural Workshop; UNAM	Mexico
Heyden (Mr)	Mathias		FG Stollmann; TU Berlin	Germany
Janekovic (Mr)	Martin		Baupiloten; TU Berlin	Germany
Kann (Mr)	Luis Miguel		COMPACT	Bolivia/ Germany
Klauck (Ms)	Birgit		Adip; TU Berlin	Germany
Kundoo (Ms)	Anupama	Dr.	One to One; University of Queensland	India/ Australia
Lampe (Mr)	Björn		Betterplace.com	
Lepik (Mr)	Andres	Prof. Dr.	TU Munich	Germany
Linden (Ms)	Alexandra		GIZ	Germany
Madrid (Mr)	Gustavo	Dr.	Casa de la Ciudad; Oaxaca	Mexico
Meyer (Ms)	Friederike		Bauwelt Magazine	Germany
Misselwitz (Mr)	Philipp	Prof. Dr.	Habitat Unit, TU Berlin	Germany
Müller (Ms)	Bärbel		(applied) Foreign Affairs; University of Applied Arts Vienna	Austria

LAST NAME	NAME		ORGANISATION	COUNTRY
Müller (Ms)	Nora Elisabeth		Design_Develop_Built; RTWH Aachen	Germany
Natividad Puig	Oscar		Reclaiming Heritage; TU Berlin	Spain/South Africa
Nedelykow (Ms)	Nina		UIA	Germany
Nicchia (Ms)	Roberta	Dr.	Archintorno	Italy
Palleroni (Mr)	Sergio	Prof.	Prof. of Architecture, Portland State University; Senior Fellow, Institute for Sustainable Solutions; Director, BaSiC Initiative	United States / Mexico / Buenos Aires
Pampe (Ms)	Barbara	Prof.	Learn-Move-Play-Ground; German University Cairo	Germany/ Egypt
Pawlicki (Ms)	Nina		CoCoon, TU Berlin	Germany
Pradoto	Wisnu	Dr.	Diponegoro University, Central Java	Indonesia
Reisch (Mr)	Daniel		Bauhaus Universität Weimar	Germany
Reitz (Ms)	Judith	Prof.	Design_Develop_Built; former RTWH Aachen; Fachhochschule Düsseldorf	Germany
Ring (Ms)	Kristien		AA Projects (former DAZ)	Germany
Rojas Loa (Ms)	Valentina		CoCoon, TU Berlin / Citambulos	Germany / Mexico
Roswag (Mr)	Eike		Ziegert   Roswag   Seiler	Germany
Safey Eideen (Ms)	Heba	Dr.	Participatory Design...; Misr International University	Egypt
Sánchez Cruz (Mr)	Alfonso		NGO 'New Horizons for Communities' Architecture'	Mexico
Sandulli (Ms)	Giuliana		Archintorno	Italy
Sari	Suzanna		Diponegoro University, Central Java	Indonesia
Sassenroth (Mr)	Peter	Prof.	Free Lab/ Costal Studio; former Dalhousie University: FH Bielefeld	Germany / Canada
Sittipunt (Ms)	Preechaya	Prof. Dr.	INDA DesignBuild Projects; Chulalongkorn University Thailand	Thailand
Smeaton (Ms)	Kristie		Baupiloten; TU Berlin	
Taylor (Mr)	Piers		AA School of Architecture; invisible studio	Great Britain
Teschner (Mr)	Klaus		Misereor	Germany
Tulisi (Mr)	Andrea		Archintorno	Italy
Vellinga (Mr)	Marcel	Dr.	Oxford Brookes University	Great Britain
Vidal (Mr)	Alejandro		Max Cetto, Practical Architectural Workshop; UNAM	Mexico
Weinhold (Mr)	Daniel		TEK; TU Berlin	Germany
Ziegert (Mr)	Christof	Prof. Dr.	Ziegert   Roswag   Seiler	Germany

The symposium '**DesignBuild-Studio: New Ways in Architectural Education**' hosted by CoCoon at the Technische Universität Berlin in December 2012, showed the compelling productivity of a holistic architectural education in service of culture, communities and innovation. It brought together DesignBuild-Studios and partners from around the world engaged in projects that are located within the country's borders or seeking cooperation with partners in developing and emerging countries.

It emphasised the growing movement of real-life related educational projects that benefit equally students, universities, clients and the other numerous actors involved. The projects are engaging in interdisciplinary collaboration between Architecture, Landscape Architecture, Civil Engineering and Sociology amongst others and are involving the building industry and local craftsmanship.

This documentation includes our curatorial approaches, the prompts and a directory of speakers of the ThinkLab discussions, the programme of the 'Vernacular Aspiration Bus Tour' and, as a teaser, two studio-profiles to be published in the book we are currently working on. With this book, we will take the opportunity to deepen the topics and showcase a collection of important case studies and best practise DesignBuild-Studios. Their presentations will be embedded in a framework of the most relevant questions on the DesignBuild-movement upraised and discussed at the symposium. It is completed with contributions of award winning ambassadors and authors on small-scale / high impact architecture projects. It will present positions, initiatives, universities, studios and people we got to know in the last two years, such as the 'Live Projects' movement in the United Kingdom.

The definition of DesignBuild in this documentation refers to the applied service-learning teaching method, as well implemented as 'live-projects' or 'practise-projects', on ventures that are:

- based in higher education
- have a brief, budget and timeframe
- physically built
- have students involved in the design and construction of the project
- be of architectural, social, cultural, scientific, technical, pedagogical or artistic relevance

We would like to invite you to visit the designbuildXchange web-platform (beta-testing version), we established in the last two years together with an international consortium. It is a step forward to create a multidimensional network that stimulates sustainable and interdisciplinary knowledge-transfer, fosters co-operation and promotes research related to DesignBuild initiatives.  
[www.dbXchange.eu](http://www.dbXchange.eu)

**CoCoon** is a sector for contextual planning, design and construction in an inter-cultural and interdisciplinary context. It combines teaching, research, practice and networking. CoCoon promotes sustainability and social engagement in the production of living environments. CoCoon is dedicated to the DesignBuild-methodology.

CoCoon was founded by Ursula Hartig in 2005. It emerged from the DesignBuild projects 'Students Building in Mexico/ Ecuador' and 'Students Building in Kabul'. Currently CoCoon is based at the Department of Architecture at the Technische Universität Berlin. The development of the designbuildXchange web-platform is funded by the European Union.