**EMUVE+**

Euro Mediterranean Urban Voids Ecology (Second Phase)

European Commission 2016-2020
Innovative Training Networks (ITN) Horizon 2020

Dr. Federico Wulff (WSA-Cardiff / ETSAB-Barcelona) EMUVE+ Coordinator
Laurent Hodobert (ENSAM-Marseille) EMUVE+ Coordinator

Network of six European Universities. Budget: 2M €
1. UCL DPU (London). Prof. Camillo Boano
Conflict as an opportunity for urban regeneration in emergent countries
2. Politecnico di Milano (Milan). Prof. Andrea Gritti
Illegal immigration and the future European spatial reconfiguration
3. ENSAM (Marseille). Prof. Laurent Hodobert. Hybridization in metropolitan risk landscapes
4. WSA (Cardiff). Prof. Federico Wulff. Social Energy for post-neoliberal urban reactivation
5. ETSAB (Barcelona). Prof. Aquiles Gonzalez. From formal "Barcelona model" to urban social Engagement

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Euro Mediterranean Urban Voids Ecology

Marie Curie Intra European Fellowship
European Union European Commission
Welsh School of Architecture Cardiff University United Kingdom

Dr. Federico Wulff EU PhD Architect Marie Curie Senior Researcher
Melina Guirmaldos Díaz MSc Architect WSA PhD Candidate Research Assistant
Clea Granados Nikolaïdou Architect Collaborator
Dr. Federico Wulf Barreiro. European PhD Architect

Polytechnic University of Madrid, Spain (ETSAM-UPM) Madrid / Roma Tre University, Italy.

Welsh School of Architecture (WSA): Lecturer in Architecture and Urban Design
M ARCH 2 Urban Design Unit Leader. Euromed Unit. 2014/2015.
MA UID Module Leader
European Union-WSA Marie Curie Senior Researcher, Euromediterranean Urban Voids Ecology research project (EMUVE), 2013/2015.
Visiting Lecturer, London Architectural Association (AA), 2012.
Senior Lecturer in Architecture Design, School of Architecture (ETSAG), University of Granada, Spain, 2004/2013
Co-Founding partner of W+G Architects Studio with Msc Arch. Melina Guiraldinos. 2004/2015.
11 First prizes in Architecture Competitions.

Research on Eco-Urban Landscape field focusing on social and environmental issues.
Co-author of 3 Books, author of 9 chapters of books and 27 articles in international Architecture Journals, as Paisea (Spain), C3 (Korea) and Arquitectura Ibérica (Portugal).

Terry Lai Chuck Choo

Community Resilience: The Coal Exchange as an Interface between the Butetown Community and Cardiff

In my current work, I become interested in the adaptive community of Butetown. Previous towns on Tiger Bay, like Firestone, have been involved in the coal industry. The Coal Exchange was such a central element related to the Coal Exchange and Monk Street Square, throughout the history of the coal industry. While the Coal Exchange was a commercial centre related to the business of coal, Tiger Bay was home to thousands of people from various parts of the world who came here to work in the coal industry.

London National Theatre: The Coal Exchange

The Coal Exchange is a multi-purpose space, the heart of the community. It was designed and built in the early 19th century, as a central hub of the coal trade.

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1 Current Economic Crisis
2 Economic and Environmental Sustainability
3 Social Equity and Inclusion
4 Community Participative Urbanism
5 Multicultural Identity
6 Informality
7 Tension Between Globalization and Localism
8 Complex Relations Between Nature and Culture
EMUVE (Euro Mediterranean Urban Voids Ecology) focuses on the existing voids produced by current shrinking cities at Euro-Mediterranean coastline.

These cities, developed in the last 50 years as the main tourist destination of Europe, are now transformed into empty landscapes stopped by present economic crisis: A deep wound in the Mediterranean Landscape and in his local population.
Eix Pere IV, Poble Nou
Strategic pieces involved in the entire consistency of Eix Pere IV
These voids are not only understood as the spaces that were not developed, but also as the thousands of square meters of real estate speculative developments that remained half-built, converted in *future ruins*.
EMUVE

Search for recycling intervention strategies for these large areas of abandoned voids from a renovated environmental culture, as a tool for local/regional social development and territorial cohesion.

This can be the first step for the landscape recovery and economic reactivation of the deeply degraded Euro-Mediterranean littoral.
Objective 1. Field Work: Comparative and analytic research study on Case Studies along the Euro-Mediterranean littoral

The Recovery Interventions should:

1. Global and regional perspective on Socio-Economic and Environmental control of Intervention Strategies

2. Address the complexity of the problem with an equally complex and multiple range of integrated solutions

3. Maintain the vitality and richness of the Mediterranean public space

4. Make compatible the tourism activity as an indispensable source of wealth for the Mediterranean Littoral, with the integrity, social and formal adaptation of these opportunity spaces
Case 1 Andalucía (South of Spain): Marbella (Málaga) + Almería
Urban Speculation and Political Corruption

Terrain Vagues
Future Ruins
Post Industrial Voids

Art reactivation in underused spaces
La Escoesa, Poble Nou, Barcelona
Case 2 Barcelona: Can Battlo + Poble Nou
Urban Abandonment and Social Reactivation

Post Industrial Territorial Reactivation
Zollverein Emshes Park, Germany
Case 3 Rome
The Role of Heritage in Urban Abandonment
Case 4 Marseille:

Case 4 Marseille:
4.2. Territorial Sustainability and Risk Landscape: l’Etang de Berre, Marseille Metropolitan Region
Objective 2:
Analysis on Good Practices in Landscape recovery interventions on voids for economical and social reactivation purposes
Objective 3: Landscape and Eco-Urbanism analytic and project instruments to understand the different territories and contexts and explore the adequate intervention recovery systems at the Mediterranean Littoral

Objective 4: Development of Proposal phase
Post-Industrial Sites as magnets for economic and social regeneration

Landscape Recovery Intervention through network of water imprints: Water purification network and Landscape erosion processes
Informal reactivation:
Torre David, Venezuela

Urban void Intervention City Edge
Forum Urban Space GR, Spain

Federico Wulff EU PhD Architect

European Landscape Bienalle 2010 (BCN)
São Paulo Bienalle 2013 (Brazil)
Urban void Reactivation through flows and activities
Eras Public Space  Granada, Spain 1st Prize Competition
Federico Wuft  EU PhD Architect
European Landscape Biennale 2010 (ECN)

Urban Voids reactivation experiences:
Campo de la Cebada, Madrid