

# 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 Hodebert (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 Hodebert. 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
6. Fac. Architecture Univ.Liege. Prof. Rita Occhiuto. Postindustrial self management

# EMUVE

## 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 Guirnaldos Díaz MSc Architect WSA PhD Candidate Research Assistant  
Clea Granados Nikolaidou Architect Collaborator

## Dr. Federico Wulff Barreiro. European PhD Architect

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

Rome Prize in Architecture. Royal Academy of Spain in Rome, 2007/2008.

Welsh School of Architecture (WSA): Lecturer in Architecture and Urban Design

MArch2 Urban Design Unit Leader. Euromed Unit. 2014/2015.

MA UD 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.

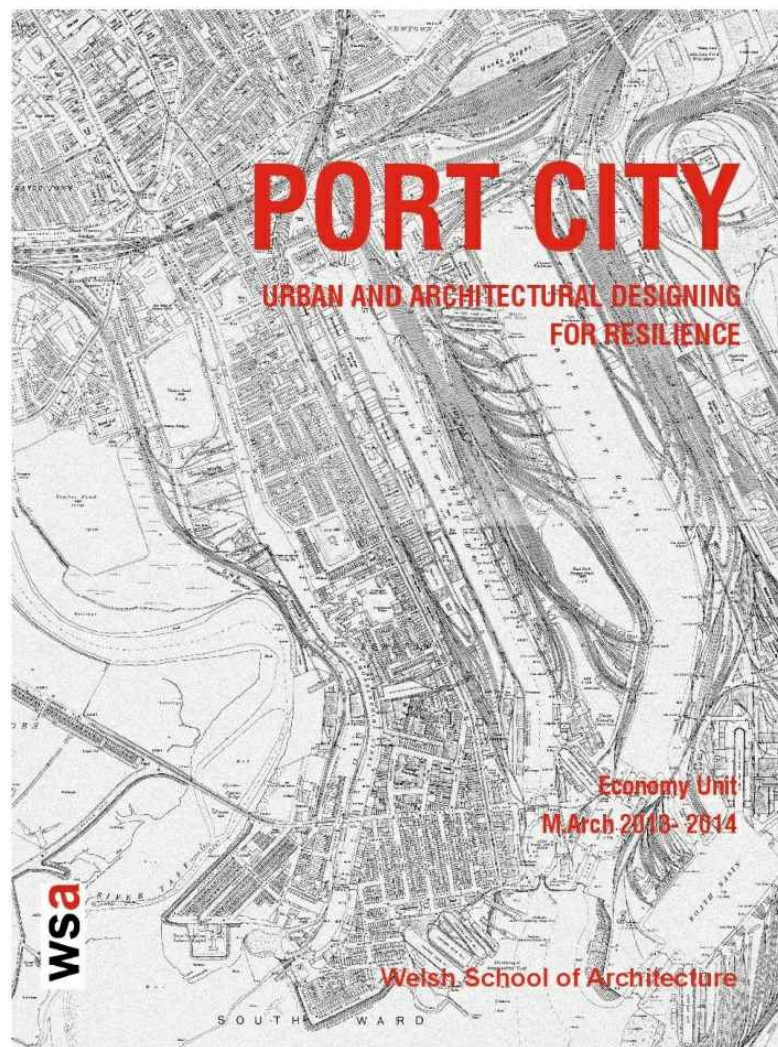
Senior Lecturer in Architecture Design, School of Architecture (ETSAG), University of Granada, Spain, 2004/2013

Co-Founding partner of W + G Architects Studio with Msc Arch. Melina Guirnaldos. 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 research work, I became interested in the nearby community of Butetown. Previously known as Tiger Bay, Butetown is a neighbourhood that has been closely related to the Coal Exchange and Mount Stuart Square throughout the history of the coal industry. While the Coal Exchange was a commercial centre visited by businessman trading coal, Tiger Bay was home to thousands of people from various parts of the world which converged towards the growing coal industry in Cardiff to work in the docks. According to one former resident whom I interviewed:

*There wasn't only a variety of religion, but also nationalities. We were kids playing in the streets and we were all of different nationalities, the parents were of different nationalities. There was among us total acceptance.*<sup>1</sup>

(Phyllis, 86 years old, previous resident of Tiger Bay)

Together with the Coal Exchange, Tiger Bay represents an important fragment of the physical memory of the coal industry and the crucial place it had in the growth of Cardiff as a city. Unfortunately, in the past decades, this rich history and culture has been neglected in the redevelopment of Cardiff Bay. Today, Tiger Bay and the Coal Exchange display characteristics of islands, separated physically and socially from the rest of the city. Meanwhile, Cardiff fails to recognise its legacy as an industrial city.

My design thesis concentrates on recognising the importance of the Coal Exchange and its relationship with Tiger Bay, to reintegrate both places within greater Cardiff and its future development. Focussing on the current emergence of creative industries, the Coal Exchange is adapted to house a training centre facility, which will revolve around the exchange of information and collaboration, occurring at different levels of

interaction. It will be a centre for people at different stages in the development of their business -from individual to more established and economically viable companies. Led by a social enterprise comprised partly of members of the Butetown community and Mount Stuart Square artist community, the Coal Exchange provides the neighbourhood with an opportunity to reintegrate with the city, adapt to its future development, and still preserve its identity. The managing director of the Wales Millennium Centre underlined in an interview the increasing contribution of the creative industries to the regional economy and describes Cardiff as 'a creative cluster with key players in the media and the performing arts'.<sup>2</sup> The Coal Exchange could have a role in supporting this major drive for creative industries by forming a strong basis for the development of a creative environment

Due to the nature of the programme and the focus on social interaction and exchange points, the Coal Exchange has been interpreted as a city. Corridors were considered as arcades, common facilities as public buildings, break out spaces as small squares, individual offices as private buildings and the main Exchange Hall as the market square provide various spaces where both formal and informal interaction could occur.

<sup>1</sup>Phyllis, interviewed by author, 28th October 2013.

<sup>2</sup>Rupert Hall, 'Wales Millennium Centre Boss addresses Cardiff breakfast Club', Wales Online, 28th February 2014 <<http://www.walesonline.co.uk/business/business-news/wales-millennium-centre-boss-addresses-6755084>> [accessed 1 March 2014].



- 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



028  
PEQUEÑA ESCALA  
SMALL SCALE



El urbanismo temporal se presenta como una respuesta lowcost a las necesidades de desarrollo urbano en tiempos de crisis. La búsqueda de soluciones creativas no solo se extiende desde el contexto urbano al ámbito económico y social, sino que implican de forma directa a la ciudadanía en el diseño urbano, en colaboración horizontal con los arquitectos, urbanistas y las instituciones públicas.

El proyecto europeo EMUVE (Euro Mediterranean Urban Voids Ecology) se centra en el estudio de los vacíos urbanos y las estructuras inacabadas de la costa Euro-Mediterránea en el escenario post-crisis. Estos desarrollos urbanísticos abandonados fruto de la especulación inmobiliaria pueden convertirse en la base para generar nuevas intervenciones bottom-up que activen su resiliencia.

Una de las líneas de investigación de EMUVE analiza el impacto de las micro-ruguras urbanas en diferentes ciudades europeas, sus efectos económicos y sociales, así como el papel de la ciudadanía en el proceso. El contexto político y las formas de gestión urbana caracterizan las condiciones de contorno y las estrategias de activación desarrolladas en cada ciudad.

Desde 2001, el estudio parisino Atelier d'Architecture Autogeree trabaja en la



△ EMUVE (Euro Mediterranean Urban Voids Ecology)  
▷ EcoBox

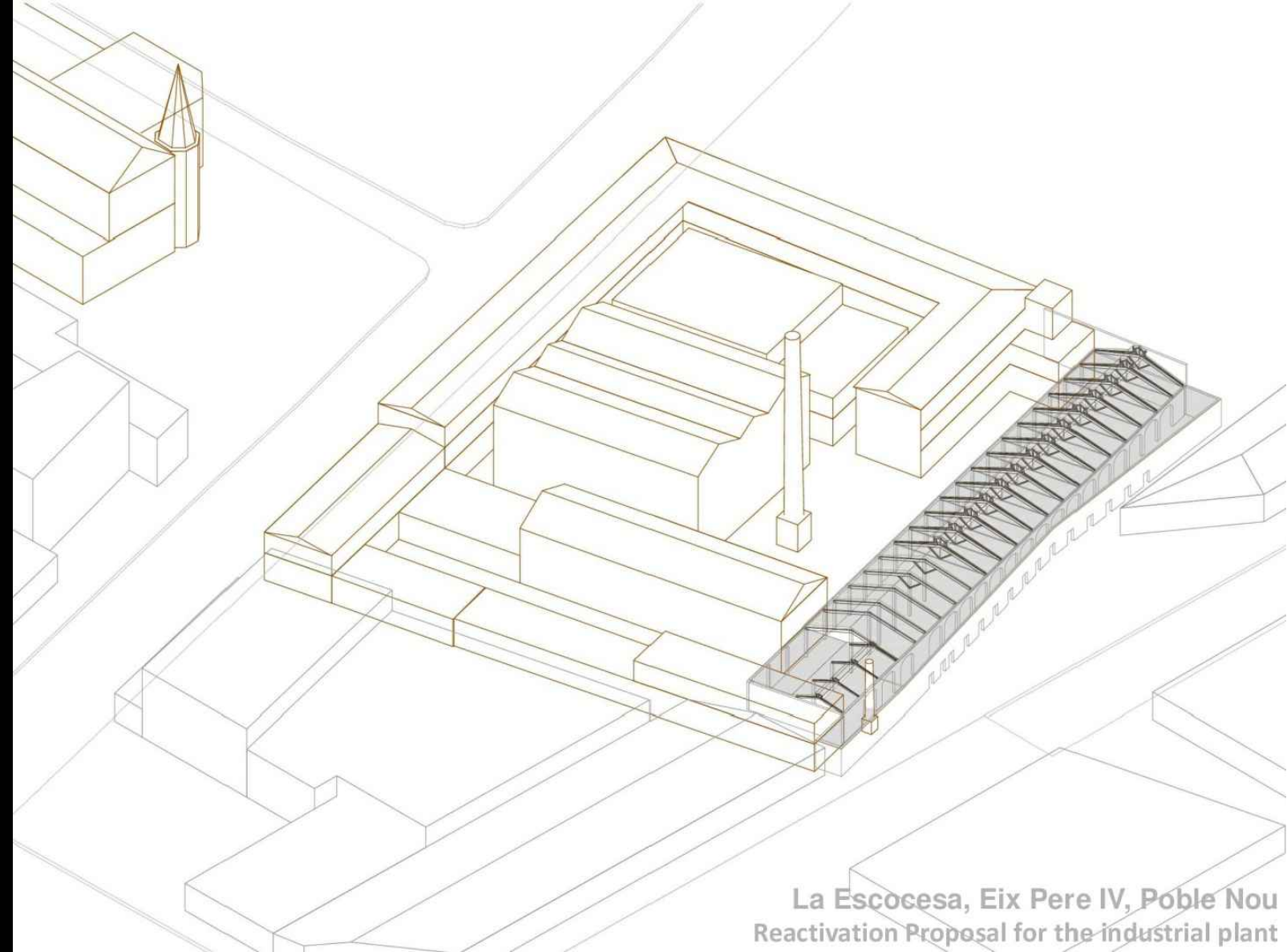
regeneración urbana de espacios gestionados por comunidades de vecinos. En la actualidad, desarrollan el proyecto R-Urban, articulado en tres líneas de investigación: Recyclab, Ecohab y Agr. oité. El proyecto ECOBox es un jardín temporal en el área parisina de La Chapelle que utiliza pallets como unidad básica para conformar una superficie de trabajo, paseo y espacio público ajardinado. Gracias a la flexibilidad del sistema, el jardín se ha ido extendiendo y ha sido replicado en otros lugares, convirtiéndose en una plataforma para la crítica urbana y actividades no solo del barrio sino también del resto de la ciudad.

En Italia, los colectivos Orizzontale y Todo por la Praxis de Madrid junto a estudiantes de la facultad de Arquitectura de La Sapienza de Roma crean con S.O.S., una instalación temporal cuyo principal objetivo es la reactivación de un espacio urbano abandonado en Roma utilizando materiales de reuso y la participación ciudadana en su construcción. El lugar de intervención es el espacio de conexión entre el barrio de Centocelle y el Forte Prenestino, ocupado por los vecinos y convertido en centro social autogestionado. El proyecto se basa en el carácter indeterminado de este espacio para convertirlo en un anfiteatro vivo y acogedor, aprovechando la topografía del lugar. La introducción de unos objetos que funcionan como máquinas relacionales,



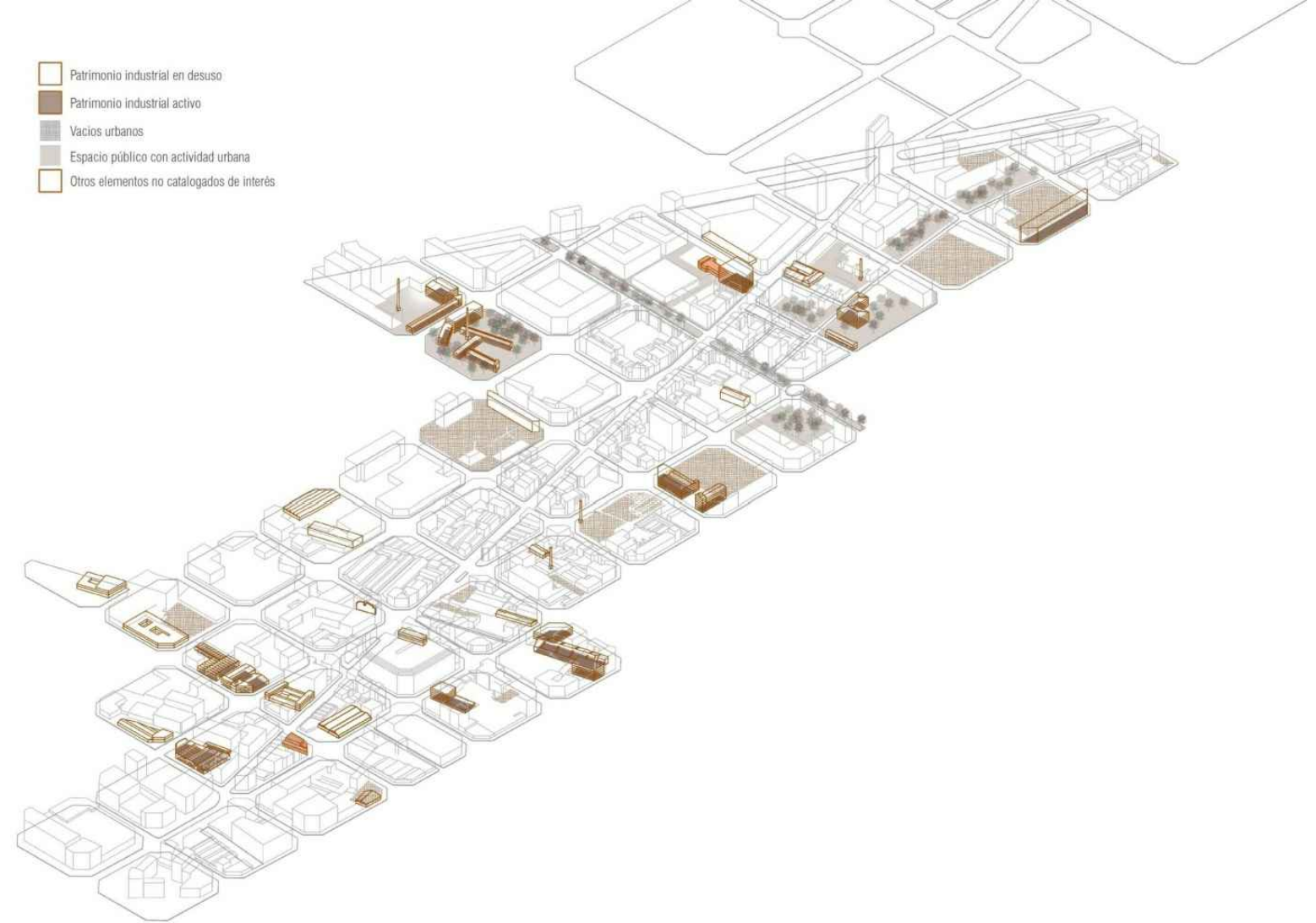
**EMUVE** (Euro Mediterranean Urban Voids Ecology)  
focuses on the existing voids produced by  
current shrinking cities at Euro-Mediterranean  
coastline

**These cities, developed in the last 50 years as the  
main tourist destination of Europe, are now  
transformed in empty landscapes stopped by  
present economic crisis: A deep wound in the  
Mediterranean Landscape and in his local  
population**



La Escocesa, Eix Pere IV, Poble Nou  
Reactivation Proposal for the industrial plant





- Patrimonio industrial en desuso
- Patrimonio industrial activo
- Vacios urbanos
- Espacio público con actividad urbana
- Otros elementos no catalogados de interés

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***



Eix Pere IV, Poble Nou  
Strategic pieces involved in the entire consistency of Eix Pere IV



## **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**



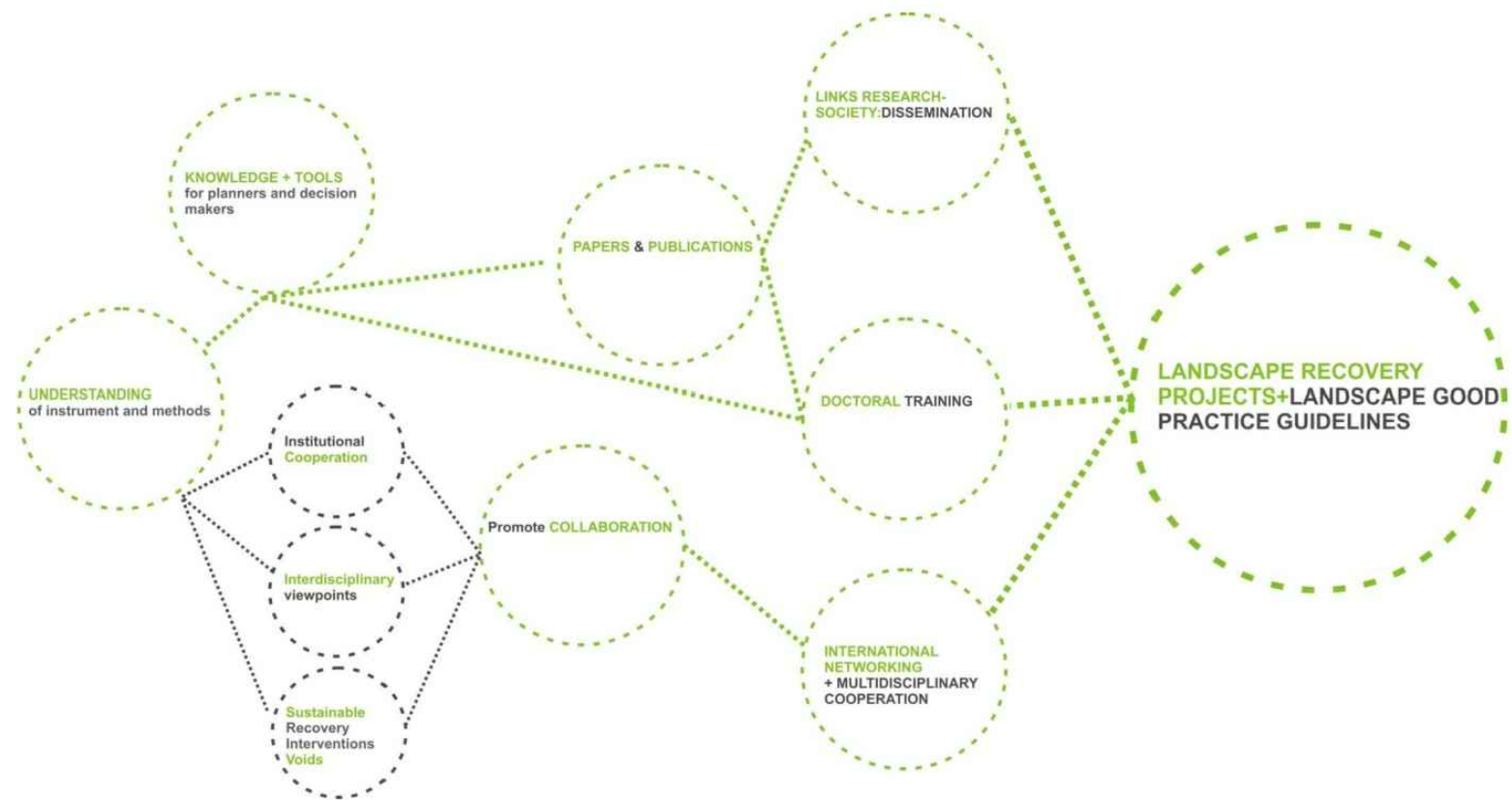
THE SUSTAINABLE  
URBANIZATION  
PROGRESS

THE LANDSCAPE  
RECOVERY PROJECTS

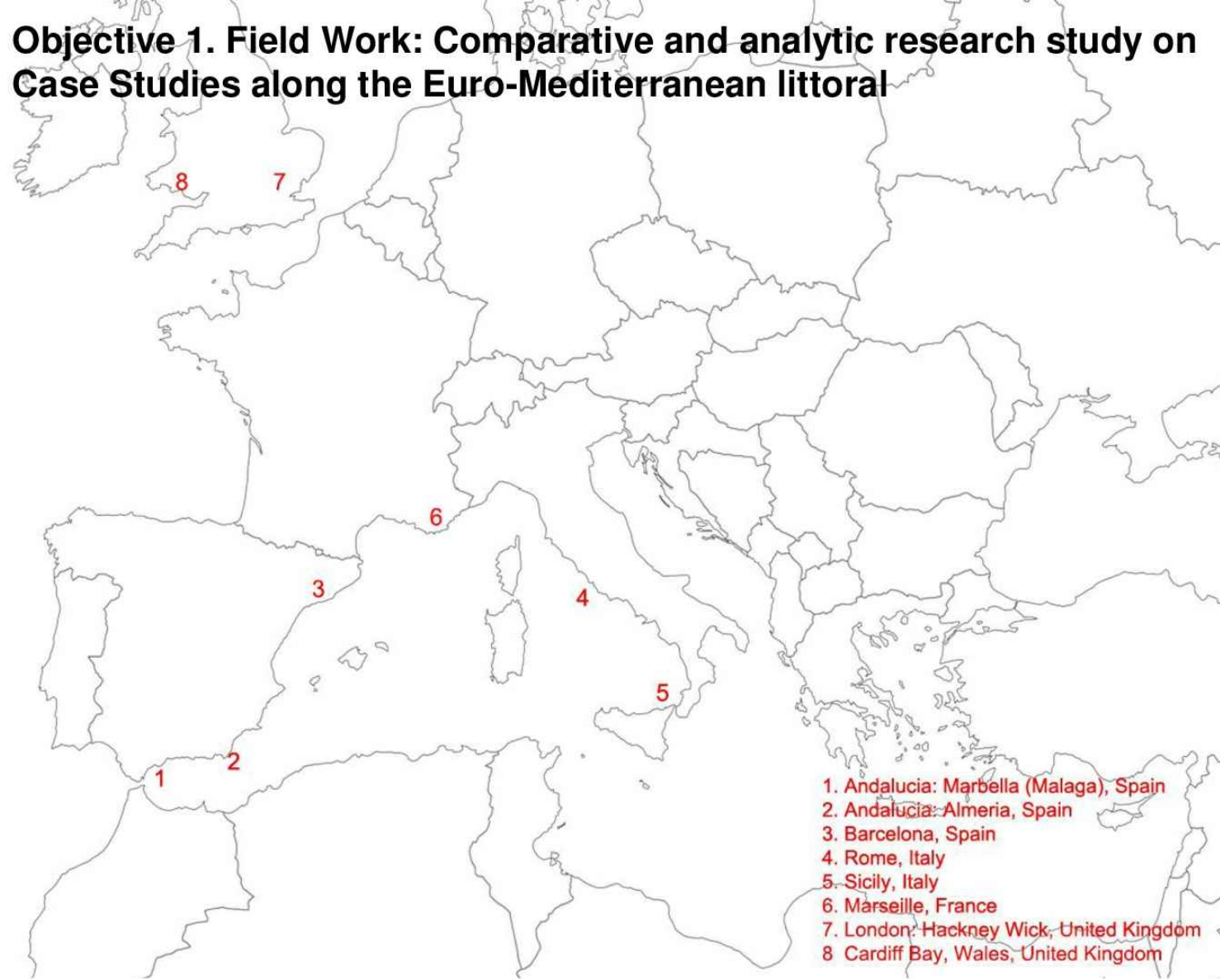
THE COORDINATION  
GOVERNANCE  
POLICIES







## **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 to 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 (Malaga) + Almeria**  
**Urban Speculation and Political Corruption**



Terrain Vagues



Future Ruins



Post Industrial Voids



Art reactivation in underused spaces  
La Escocesa, Poble Nou, Barcelona





## Case 2 Barcelona: Can Batlló + Poble Nou

Urban Abandonment  
and Social Reactivation



12

Post Industrial Territorial Reactivation  
Zollverein Emscher Park, Germany





### Case 3 Rome

#### The Role of Heritage in Urban Abandonment





Case 4 Marseille:

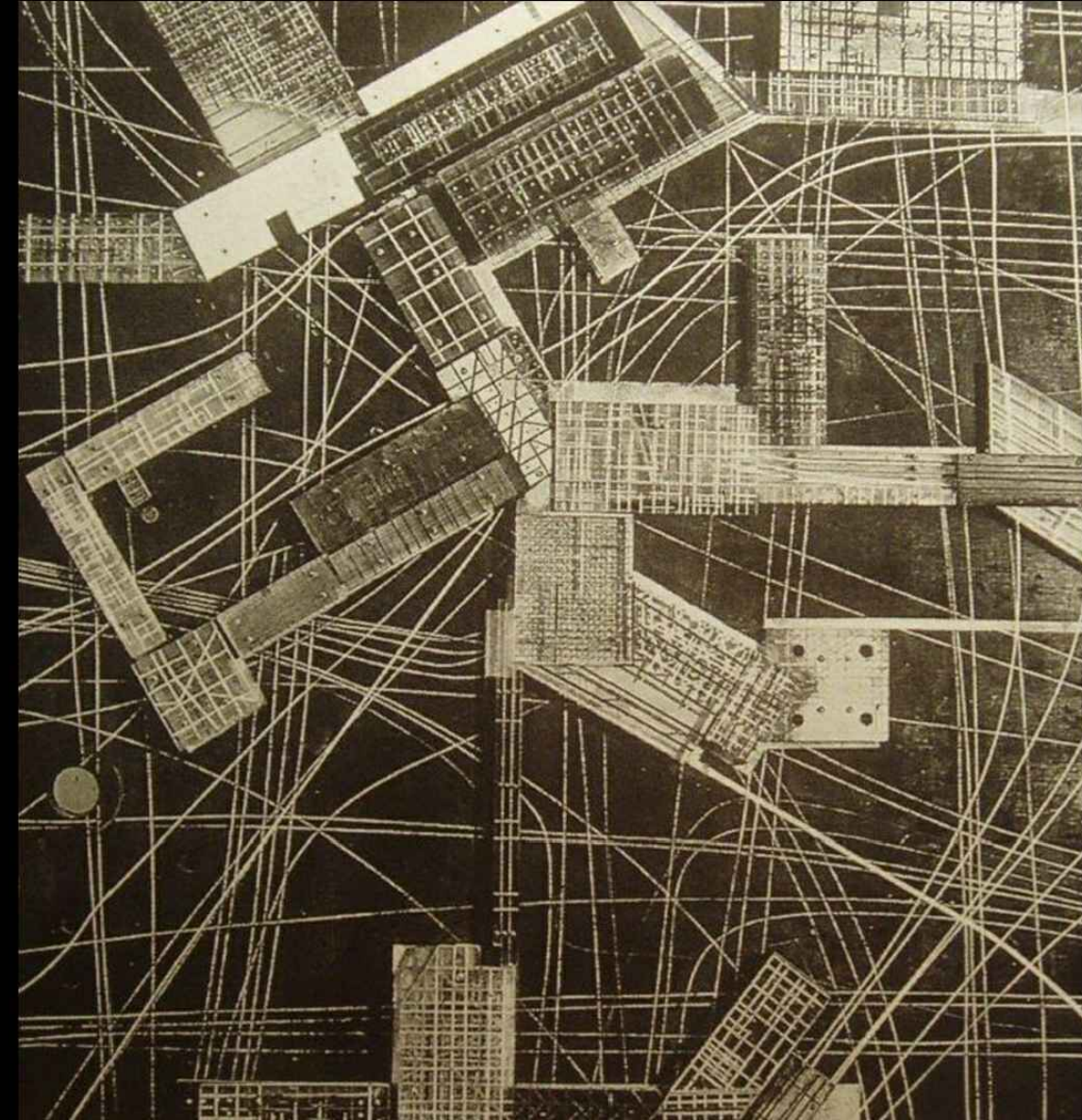
4.1. Urban Sustainability and Social Inclusion: Flea Market of Marseille, “Marche aux Puces”



The American Decline of Post Fordist Cities  
Detroit, Philadelphia



**Case 4 Marseille:**  
**4.2. Territorial Sustainability and Risk Landscape: l'Etang de Berre, Marseille Metropolitan Region**

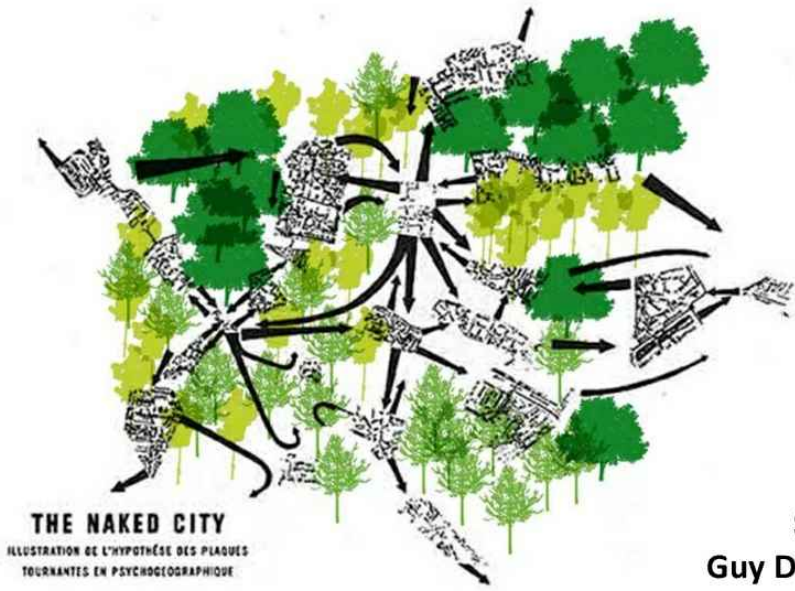


**Situationism**





**Objective 2:**  
**Analysis on Good Practices in**  
**Landscape recovery**  
**interventions on voids for**  
**economical and social**  
**reactivation purposes**



**Situationist Movement**  
**Guy Debord Benjamin Constant**



**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**

© Copyright Federico Wulff Architect



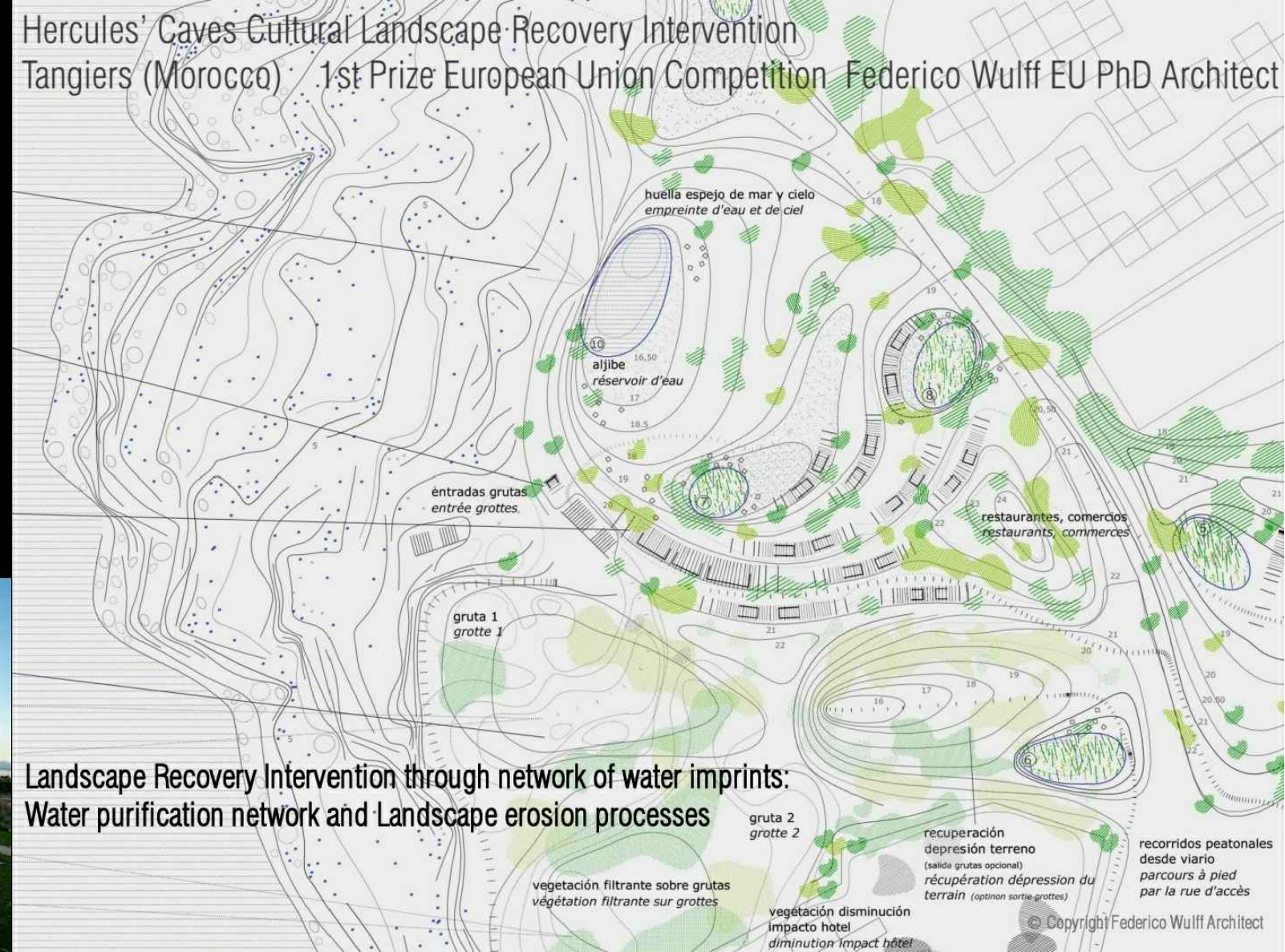
Recycling of main Coach Station of Madrid into  
Arganzuela District Civic Center  
Federico Wulff EU PhD Architect

1st Prize Competition  
XVI Architecture and Urbanism Awards Madrid City Council





**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



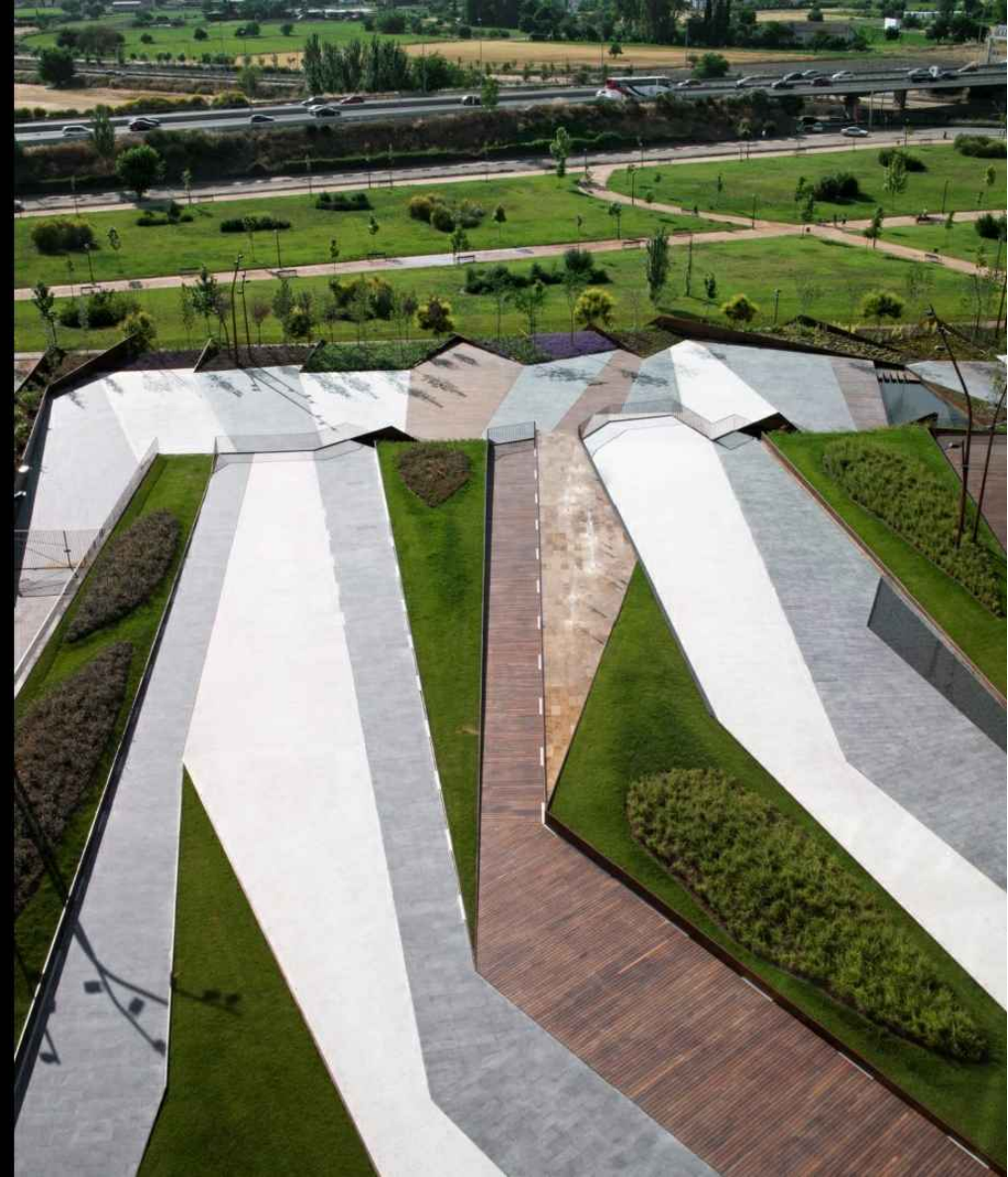
Urban void Intervention City Edge  
Forum Urban Space GR, Spain

Federico Wulff EU PhD Architect

European Landscape Biennale 2010 (BCN)

Sao Paulo Biennale 2013 (Brazil)

© Copyright Federico Wulff Architect



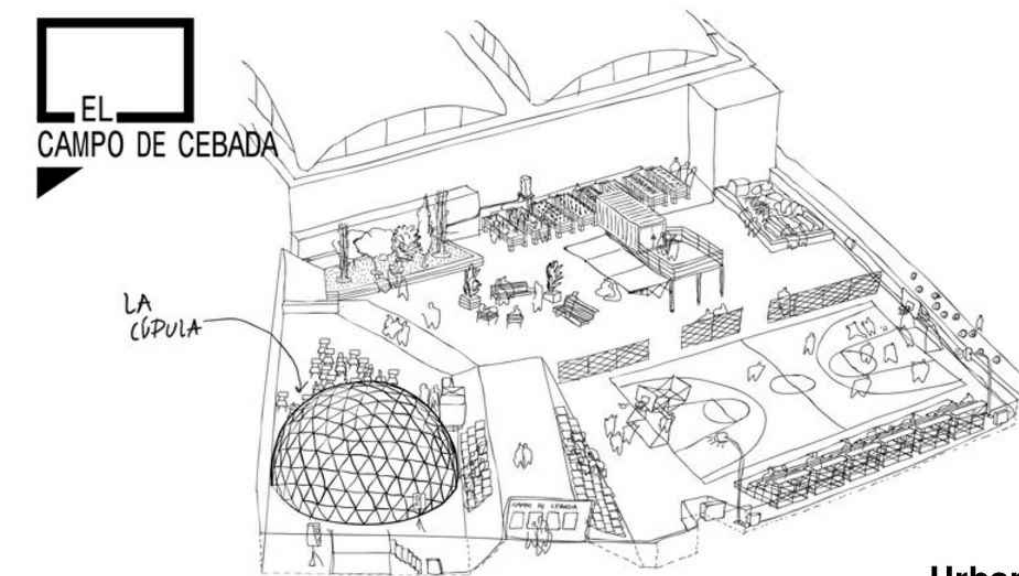




Urban void Reactivation through flows and activities  
 Eras Public Space Granada, Spain 1st Prize Competition

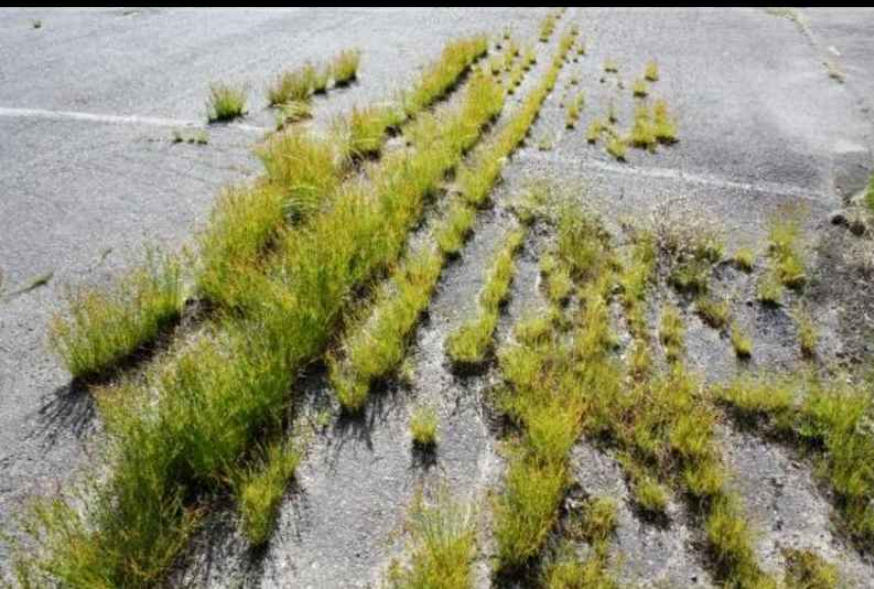
Federico Wulff EU PhD Architect

European Landscape Biennale 2010 (BCN)



Urban Voids reactivation experiences:  
 Campo de la Cebada, Madrid





Renaturalization

Urban Agriculture  
Organoponicos

La Habana, Cuba