

The Workshop on Waste Architecture represents the first of a series of thematic seminars on environmental design and interventions focussing on waste collection, disposal and management. Waste Architecture is a new and relatively unexplored conceptual and design topic which promises to give rise to a lively debate between environmental professionals, and architecture and urban design experts. This first appointment, which will be held at Forte Village Resort on 6-7 October 2015, will focus mainly on the architectural, functional and landscape rehabilitation of old landfills.

The Workshop is a parallel event of Sardinia 2015 - 15th International Waste Management and Landfill Symposium, to be held at Forte Village Resort from 5-9 October 2015 with an expected attendance of 800 participants from dozens of different countries worldwide.

The event is coordinated by ARCOPLAN / Studio associato di ingegneria e architettura with the scientific support of the Department of Architecture, Design and Planning / University of Sassari / Alghero and the Department of Industrial Engineering / University of Padova.

This initiative is the result of the activity of "Waste Architecture Platform", a complex project conceived as a container of initiatives devoted to environmental architecture in connection with interventions concerning the collection, disposal and management of waste.

Presentation

The need to integrate waste disposal systems into an environmental planning strategy connected to the landscape and urban space requires an integrated planning activity and a multidisciplinary approach. From this perspective, the technical aspects, once the exclusive domain of environmental engineering, nowadays give rise to an interesting synergy with architecture.

Old landfills frequently require remediation interventions which also become an opportunity to operate on degraded areas with the aim of obtaining not only environmentally sustainable, but also functional areas for the community. Based on this prerogative, the requalification of a landfill may provide the latter with a new purpose aimed at increasing the urban and social environmental sustainability.

The purpose of the Workshop is to stimulate a debate on the requalification of landfills and analyse all related aspects, including architectural/landscape quality, compatibility with site reclamation and state-of-the-art, encouraging a comparison between the situation in Italy and the rest of the world.

Workshop Programme

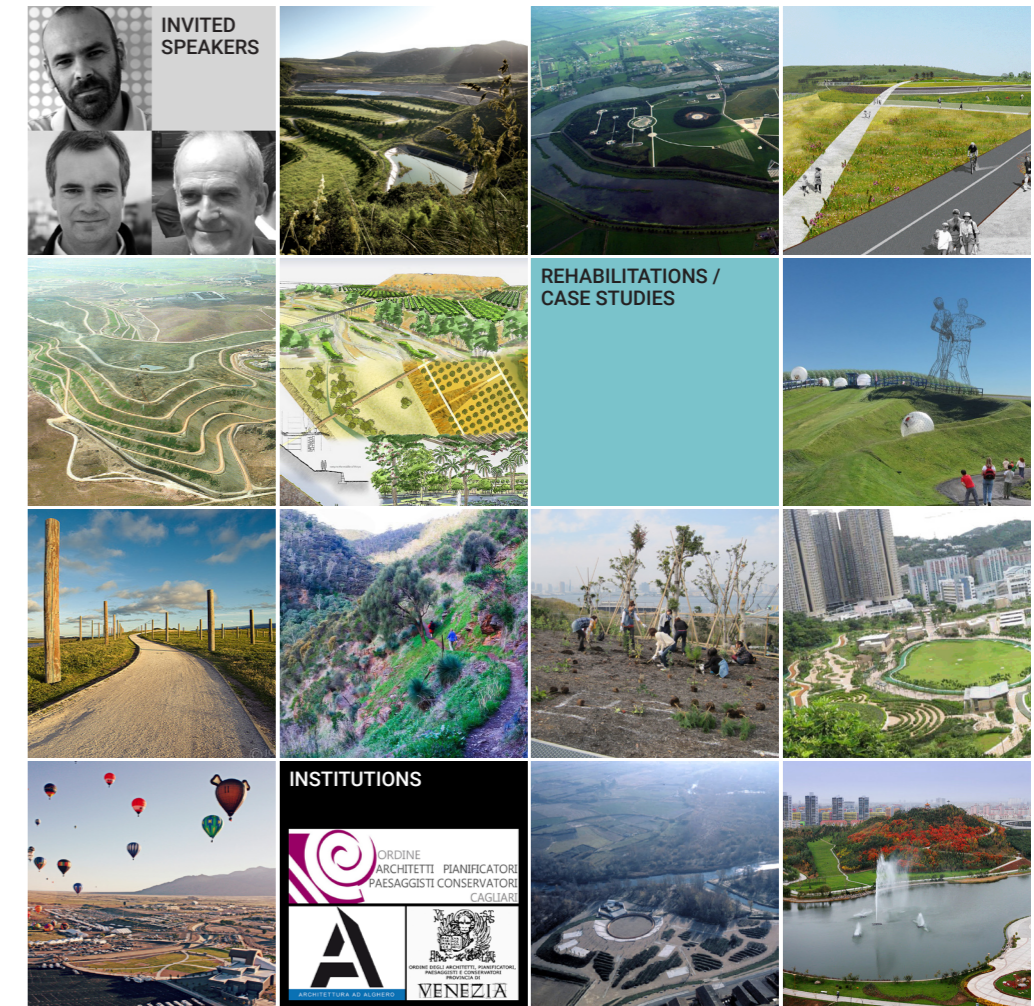
The Workshop will last 2 days, with the first day consisting in the presentation of oral contributions in thematic sessions to be followed by opportunities for discussion and debate. On the second day a practical landscape design lab will be organized and coordinated by professionals in the field.

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INTERNATIONAL WORKSHOP ON WASTE ARCHITECTURE REHABILITATION OF LANDFILLS 6-7 OCTOBER 2015 / FORTE VILLAGE RESORT S. MARGHERITA DI PULA / CAGLIARI / ITALY

WORKSHOP PROGRAMME



coordinated by:

ARCOPLAN / Studio associato di ingegneria e architettura

with the scientific support of:

the Department of Architecture, Design and Planning / University of Sassari / Alghero

the Department of Industrial Engineering / University of Padova

6th October 2015 - morning

09:00 - 09:20 Welcome Addresses

Opening Lectures / Chair: Elena Cossu (IT) **09:20 - 10:40**

Ivan Sánchez Fabra - Batlle i Roig Architects (ES)
Waste landfill environmental restoration at the Garraf's Natural Park, Barcelona

Giovanni Maciocco - Department of Architecture, Design and Planning / University of Sassari (IT)
Lecture on urban development planning

Israel Alba - Israel Alba Estudio (ES)
A recovered landfill in the construction of a metropolis: Valdemingómez Forest Park, over time

10:40 - 11:10 Coffee Break

Waste Architecture perspectives **11:10 - 11:40**

Emilio Ambasz (video message)
Masterplan for the Portisco area on the Emerald Coast

Anna Artuso / Elena Cossu (IT)
Requalification of the Portisco area on the Emerald Coast. Waste, energy and water management for a new eco-sustainable tourist village

Projects / Chair: Maria Cristina Lavagnolo (IT) **11:40 - 13:00**

Andrea Bortolotti / Marco Ranzato (IT)
Wasteland rehabilitation in rural landscape: a project in the Verona plain

Kevin Ryan / David Bosonnet (IE)
Tramore Valley Park - vision to delivery: the rehabilitation of an old landfill site

Anna Artuso / Elena Cossu (IT)
Phytoremediation of leachate, *in situ* aeration and energy crops. An innovative project for the requalification of an old landfill site in Northern Italy

Wei Song / Yingjun Zhou / Hongyu Su (CN)
The application of Chinese traditional culture in landscape design of landfill closure

13:00 - 15:30 Lunch Break

6th October 2015 - afternoon

Case studies / Chair: Israel Alba (ES) **15:30 - 17:10**

Jeff Bishop (UK)
Working with Communities: Faster, Cheaper, Better!

Piero Simone / Monica Vercesi / Lorenzo Nettuno / Claudia Zaninelli (IT)
Community planning activities for rehabilitation projects in Italy. The positive case of the children participatory design on the area of Vergomasco landfill in Odolo, Brescia

Xinyue Wang / Jingting Guo / Dongbei Yue (CN)
Rehabilitation of dumping sites via excavation: a case study in Beijing

Mehmet Ç. Akkuş / Çağrı Ün / Kadir Aydin / Hasan Serin / Mustafa Özcanli (TR)
Rehabilitation studies of an old landfill area in Adana, Turkey

Paul Lightbody / Herbert Kers (AU)
Redevelopment of 3ha MSW landfill into inner urban sports and community facilities

17:10 - 17:40 Coffee Break

Strategies & approaches / Chair: Jeff Bishop (UK) **17:40 - 19:40**

Silvia Dalzero (IT)
Rejected Landscapes - Recycled Landscapes. Waste disposal and recycling sites - perspectives and contemporary approaches

Wingsze (Vincci) Mak (CN)
Tseung Kwan O - A new town that grows with landfills

Katarzyna J. Cwiertka (NL)
'Dream Island' and 'Sea Forest': the afterlife of Tokyo's landfills

Clelia De Simone / Vincenzo Cristallo / Sergio Cappucci (IT)
Multifunctional structure made with beached biomasses for requalification of landfills

Matthew Pryor / Yuxiao Chen (CN)
Landfill after use: planning for acceptance

Banu Sizirici Yildiz (AE) / Berrin Tansel (US)
Repurposing closed landfills for renewable energy generation: screening methodology

7th October 2015

Laboratory **09:00 - 19:40**

On 7th October a practical landscape design lab session will be coordinated by Giovanni Maciocco, Professor Emeritus of the University of Sassari (IT), with the collaboration of Ivan Sánchez Fabra / Batlle i Roig Architects (ES) and Israel Alba, Professor at Universidad Pontificia de Salamanca, Campus de Madrid (ES). The laboratory will be preceded by an introductory lecture on the topic. This session will give participants the opportunity to apply theoretical notions and share their views with colleagues and experts within their working groups.

All materials for the lab will be provided by the organisers.

Full details about the Lab will be soon available on the Workshop website at www.wastearchitecture.com.