



4<sup>th</sup> INTERNATIONAL  
CONFERENCE

## PRE-FREE UP-DOWN RE-CYCLE

traditional solutions and  
innovative technologies  
for the end of waste



4<sup>th</sup> International Conference

# PRE | FREE - UP | DOWN - RE | CYCLE

Traditional solutions and innovative technologies for the End of Waste

\_ 9.30

REGISTRATION

\_ 10.00 | 10.10

WELCOME

Giovanni LONGOBARDI - Head of Department of  
Architecture, Roma Tre University

\_ 10.10 | 10.20

INTRODUCTION

Adolfo F. L. BARATTA - Deputy Head of Department of  
Architecture, Roma Tre University

SESSION A: ESSAYS

Chairman

Agostino CATALANO

- University of Molise

\_ 10.30 | 10.50

Massimiliano CONDOTTA, Elisa ZATTA

- Università IUAV di Venezia

**Material information: tools for the urban mining  
implementation in the building sector**

\_ 10.50 | 11.10

Graziella BERNARDO

- University of Basilicata

**Upcycling of heritage materials in circular design**

\_ 11.10 | 11.30

Gigliola D'ANGELO

- University of Naples Federico II

Monica CANNAVIELLO

- University of Campania "Luigi Vanvitelli"

**From waste to resource: Italian contribution to the  
LIFE programme**

SESSION B: RESEARCHES

Chairman

Laura CALCAGNINI

- Roma Tre University

\_ 11.50 | 12.10

Paola CARENO, Stefano CENTENARO,

Filippo DE BENEDETTI

- Università IUAV di Venezia

**A glimpse into the past to develop a better future.**

**Upcycle approach for the Isle of Glass**

\_ 12.10 | 12.30

Beatriz E. MIRA RADA

- Universidad Autónoma de Manizales

Andres SALAS MONTOYA

- Universidad Nacional de Colombia

**Effect of moisture content and mixing procedure on  
the Properties of Recycled Aggregate Concrete with  
Silica fume**

\_ 12.30 | 12.50

Elena MONTACCHINI, Silvia TEDESCO, Jacopo ANDREOTTI

- Politecnico di Torino

**Grape, hazelnut and wheat: new ingredients for  
architecture and design?**

\_ 12.50 | 13.10

Vesna PUNGERCAR, Martino HUTZ, Florian MUSSO

- Technical University of Munich

**Reuse of salt waste in 3D printing: Case study**

SESSION C: ARCHITECTURES AND DESIGN

Chairman

Francesca GIGLIO

- Università Mediterranea di Reggio Calabria

\_ 15.00 | 15.20

Laura BADALUCCO, Luca CASAROTTO

- Università IUAV di Venezia

**From waste to value. When hidden vocations emerge  
from the shape of the stone residues**

\_ 15.20 | 15.40

Agostino CATALANO, Camilla SANSONE

- University of Molise

**Criteria for disassembly and recycling of building  
components in restoration and new modular  
Architectural design. Building quality for sustainable  
construction**

\_ 15.40 | 16.00

Mario LAZZARONI, Marco BATTAGLIA, Andrea CAVAGNA

- Sfridoo

**Failures and successes of a circular economy start-up:  
Sfridoo case study**

