



4th INTERNATIONAL
CONFERENCE

PRE-FREE UP-DOWN RE-CYCLE

traditional solutions and
innovative technologies
for the end of waste



4th 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**

