



Proceedings

of the

**18th European Roundtable
on Sustainable Consumption and Production**

**Towards a Greener Challenge & Evolution
in the Framework of the Circular Economy**

**Editor:
Professor Konstantinos Aravossis**

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Editors' Preface

The European Roundtable for Sustainable Consumption and Production -ERSCP is one of Europe's most remarkable conferences in its field and has taken place periodically since 1994. ERSCPs favour discussions about the key issues in sustainable consumption and production, the exchange of thoughts, knowledge, experiences and SCP proposals and the creation of a European (also worldwide) community of research and practice in sustainable consumption and production. The main goal of the ERSCPs is to encourage discussion amongst stakeholders involved in sustainable consumption and production: businesses, public institutions, universities, institutes and research centres, NGOs, SMEs, professional associations, decision-makers, etc.

The 18th European Roundtable for Sustainable Consumption and Production Conference was held in Skiathos island, between October 1 and 5, 2017.

Skiathos that was chosen to host the 18th ERSCP is an enchanting corner of Greece, a masterpiece of nature, full of olive-trees, pines, fennel and thyme, an attracting pole for all kind of visitors. Also, it has rich cultural heritage and it affords a wealth of tourist facilities.

A total of 228 manuscripts are included in the book of abstracts. Participants from 37 different countries contributed their work to the conference. The organizing committee chose this time to publish the book of abstracts in a hard copy volume and edit the submitted full papers in e-proceedings in a CD-Rom. It has to be noticed that the CD-Rom is properly edited and has a separate ISBN number.

The main themes of the conference can be summarized in the following categories:

- Circular Economy
- Zero waste management
- Eco-Innovation
- Eco-Design/Design for Sustainability
- Eco-Efficiency, Sustainable/Smart Cities
- Advances in Sustainable Consumption & Lifestyles
- Sustainability in Production & Design
- Sustainable Consumption and Food Waste Prevention
- Sustainability Innovations Research and Development
- Challenges for making progress in cross-cutting themes including Green and Inclusive Entrepreneurship & Sustainability
- Ethical Investments
- Food & Waste

The abstracts and papers have been arranged in the following topics:

- Buildings
- Resources
- Energy
- Waste

- Industry
- Operations
- Environment
- Management
- Economics
- Entrepreneurship
- Renewables
- Tourism
- GIS
- (Zero) waste management and Circular Economy
- Design for sustainability
- Resource Efficiency
- Sustainable products and Sustainable production
- Advances in Sustainable Consumption & Lifestyles
- Sustainability Research, Development and Innovation
- Sustainable/Smart Cities and Communities
- Sustainability policy and Future Development
- Education for Sustainable Development
- Food & Waste

Also, the abstracts and papers have been arranged in the following special sessions:

- Special Session 1: Education for Sustainable Development
- Special Session 2: Fare Sharing
- Special Session 3: Sustainable/Smart Cities and Communities
- Special Session 4: Everyday futures, Sustainable lifestyles
- Special Session 5: Sustainable design, Circular economy
- Special Session 6: Food and Waste
- Special Session 7: Sustainable clothing consumption

The editor would like to thank:

- The ERSCP Society for being eager to organize a joint event with NTUA;
- The authors of the papers, for their scientific contributions;
- The reviewers of the papers for their invaluable assistance in order to ensure high scientific standards;
- The sponsors of the 18th ERSCP Conference for their support;
- The PREPARE Society and members for their support;
- All participants for their involvement in the exchange of knowledge, know-how and ideas, which is the essence of this conference;
- Grafima Publications for their collaboration as well as their contribution to the editing of both the book of Abstracts and the e-proceedings.

The Editor
Prof. Konstaninos Aravossis

Keynote Speakers



Prof. Dr. Nancy Bocken

Lund University, Sweden

*Sustainable business models and sustainable consumption:
exploring the role of business experimentation*



Prof. Anna R. Davies

Trinity College Dublin & Irish Royal Academy,
Dublin University, Ireland

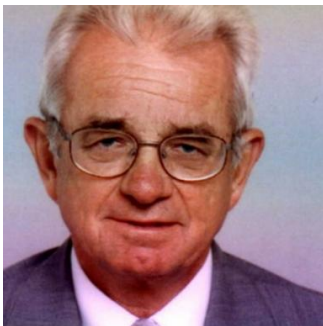
Sharing and sustainability: practices and potentialities



Mr. Robbert Droop

Ministry of Infrastructure and the Environment, Netherlands

*Process and policies towards a circular economy
lead to major knowledge questions*



Prof. Peter Glavic

University of Maribor, Slovenia

*The future of European sustainable consumption
and production*

Keynote Speakers



Prof. Nicolas Moussiopoulos

Aristotle University of Thessaloniki, Greece

Regional circular economy models and best available technologies for biological streams



Prof. Jaco Quist

TU Delft, Netherlands

Circular Economy and Sustainable Lifestyles: prospects and critical issues



Dr. Paolo Taticchi

Imperial College, London, UK

The business case of sustainability



Prof. Carlo Vandecasteele

KU Leuven, Belgium

The role of waste-to-energy, WTE in the circular economy

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