

SBE 2016 TORINO

Towards Post Carbon Cities

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Organisers:



International Co-owners:



TOWARDS POST-CARBON CITIES

SBE16 Torino 18-19 February 2016

Organizers



Promoters



Supporters



Urban scale focus

The objective of **SBE16 Torino** was to present new paradigms in the shift towards post-carbon cities, bringing together diverse experiences and perspectives, exchanged in a friendly workshop with a rigorous scientific approach.

2 days | 10 sessions | about 200 participants from 18 countries



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Participants involvement

Sessions with short presentations to facilitate a profitable discussion with participants.

Each session produced a final statement.

Some sessions organized as “focus group”.

Synergy with EU projects and CESBA.



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Co-creative approach



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Final Statements

SUSTAINABLE UNIVERSITY CAMPUSES

- ▶ Meaningful indicators are required to capture real sustainable behaviors in University Campuses
- ▶ Data Management and quality control as well as sharing of best practices are key to sustainable campus
- ▶ Dedicated funds for sustainability efforts are crucial

POLICIES & REGULATIONS FOR A SUSTAINABLE BUILT ENVIRONMENT

- ▶ Policies are key to empower citizens as main drivers and actors on the sustainable pathway

DECISION MAKING METHODS AND TOOLS AT URBAN SCALE 1

- ▶ Importance of user/citizens engagement/not only on retrofitting practices but also on the buildings use
- ▶ Data and data visualization is key to enable analysis and decision making at urban scale



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Final Statements

DECISION MAKING METHODS AND TOOLS AT URBAN SCALE 2

- ▶ New and innovative Decision-making methods and tools on urban and neighborhood scale as well as useful metrics for measuring the performance need to be used more effectively in the future
- ▶ cities need to have effective baseline evaluation in many fields of sustainability and smartness in order to plan future city and neighborhood developments

SUSTAINABLE URBAN DISTRICTS RETROFITTING

- ▶ Financial support along with tenants motivation are critical to achieve near zero energy retrofitting
- ▶ Structural upgrading on a regional scale in a territorial system needs a closed cooperation and participation of all stakeholders involved
- ▶ Small communities may influence city policies on sustainability taking a role of socio-cultural hubs and eco-development activities
- ▶ It is possible to integrate the reuse of urban production spaces with RES and activities that create social, economic and technological values



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Final Statements

URBAN INFRA-STRUCTURE FOR POST-CARBON CITIES

- ▶ New and existing urban technologies and infrastructures need to be assessed in an objective way

ASSESSMENT METHODS AND TOOLS

- ▶ Quality and accessibility of data need to be improved
- ▶ More case studies are needed to validate new assessment tools

SYSTEMATIC APPROACHES TO SUSTAINABILITY

- ▶ We can learn from sustainable building design principles for planning urban transition
- ▶ Urban metabolism plays an important role and rural areas also need to be included to be able to fully explore the regenerative potentialities



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Final Statements

BUILDINGS FOR POST-CARBON CITIES

- ▶ Use of analytical frameworks, dynamic modelling, real-time monitoring and measurement, scenarios, feasibility studies, cost/benefit analysis
- ▶ Recognition of a slow take up of innovations in developer/construction communities

SUSTAINABLE DISTRICTS: CASE STUDIES

- ▶ Engaging civil society in policy making for successful implementation of sustainable districts



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Thank you



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