COP24, Katowice, 14 December 2018

URBAN FRAMEWORKS REINFORCING CULTURAL HERITAGE AS A DRIVER FOR CLIMATE INNOVATION AND SUSTAINABILITY

A ROCK and EFCA side event
Presentation

Peter Boswell, FIDIC-EFCA
Urban frameworks to reinforce cultural heritage

Urban frameworks reinforcing cultural heritage as a driver for climate innovation and sustainability

COP24 EU SIDE EVENT

14 December 2018
Peter Boswell
FIDIC-EFCA

- How to implement a certifiable, standards-based sustainable development management system in a culturally rich community.
- The benefits
Lamu, Kenya
15th century Arab town
Close to Somalia border
• UNESCO site
• 6 western-style hotels
• 200,000 tourists p.a.
• 200,000 population; 1 million expected
• Many cultural sites & festivals
• Residents displaced out of town to informal settlements
Tourism needs careful management

• modern definitions are all-embracing (monuments, landscapes....)
• moved beyond UNESCO style certification
• EU Horizon 2020 research & innovation framework brings in cultural heritage
• direct positive impact on most SDGs
• "cultural tourism" = 40% of world tourism

Needs

• attract sustainable tourism investment
• balance economic exploitation against preservation
• strengthen trade in cultural goods & services (decent work; local production)
• involve local communities
• ensure that stakeholders have the knowledge, skills and authority needed to implement sustainable tourism.
ISO 37101 community sustainability management

A process + a framework

- Commitment – Define territorial scope
- Organisation review
- Mandate organisation
- Map / organise stakeholders & resources

Baseline – Context analysis
Priorities - Strategy - Action plan
Targets & indicators
Performance evaluation

Continual improvement
Interested parties involved
All impacts, expectations, …
All stages
INTERNATIONAL FEDERATION OF CONSULTING ENGINEERS

FIDIC.ORG

Needs

Strategic needs

Holistic approach

Own sustainability & resilience

Contribution to SD and SDGs

Specific context

Assessment

Governance, management

Needs

Common understanding

Evaluation

Financing

Continual improvement

Multi-party, multi-programme governance

Coherence between urban services

Interested parties involved

Common language
Mainstreams cultural heritage

- collaborative, systemic regeneration & adaptive reuse of historic sites
- regulatory frameworks
- undertakings & statutory requirements
- Innovation / living labs
- multi-stakeholder ecosystems
- peer-to-peer networks of social enterprises
- community-to-community cooperation
- meeting & reporting on the SDGs

Certification invaluable

- self-certification possible
- challenge process validates
- at all scales (neighbourhoods, towns, communes, cities, ...)

Certification invaluable
Indicators for SDG targets

- map commune’s department action areas to SDGs
- use SDG cause-and-effect matrix

<table>
<thead>
<tr>
<th>Attractiveness</th>
<th>Environment</th>
<th>Resilience</th>
<th>Resource use</th>
<th>Social cohesion</th>
<th>Well-being</th>
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</thead>
<tbody>
<tr>
<td>Governance</td>
<td>Education</td>
<td>Innovation</td>
<td>Health</td>
<td>Culture</td>
<td>Economics</td>
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<td>Environment</td>
<td>Security</td>
<td>Infrastructure</td>
<td>Mobility</td>
<td>Biodiversity</td>
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### Cause-and-effect Matrix

- SDG1: No Poverty
- SDG2: Zero Hunger
- SDG3: Good Health and Well-being
- SDG4: Quality Education
- SDG5: Gender Equality
- SDG6: Clean Water and Sanitation
- SDG7: Affordable and Clean Energy
- SDG8: Decent Work and Economic Growth
- SDG9: Industry, Innovation and Infrastructure
- SDG10: Reduced Inequalities
- SDG11: Sustainable Cities and Communities
- SDG12: Responsible Consumption and Production
- SDG13: Climate Action
- SDG14: Life Below Water
- SDG15: Life on Land
- SDG16: Peace, Justice & Strong Institutions
Consulting engineering

Over 100 FIDIC national Member Associations (one industry – one member per country).
HQ in Geneva – represented by EFCA.
Sustainable Development Committee supported by committees for risk, contracts, international affairs, & integrity.
Urban / community management a key area.
ISO 37101 project developers guide in preparation.

- USD 4.7t p.a. new-build investment.
- 80% investment is urban & peri-urban.
- USD 650b p.a. demand for consulting engineering services.
- 50% of demand is met by firms whose main business is to supply consulting engineering services.
- 70,000 firms worldwide; 7 million staff.
- Smaller firms generally specialised; larger firms provide the full range of services; all disciplines involved.
Presentation

Cécile Houpert, EUROCITIES
Jesus Iglesias, Ecopreneurs for the Climate
Lucy Latham, Julie’s Bicycle
Cultural heritage is a powerful engine of transformation for cities

Cécile Houpert, EUROCITIES
Regeneration and Optimisation of Cultural heritage in creative and Knowledge cities
Partnership

10 cities
- Comune di Bologna
- LISBOA
- VILNIUS GEDIMINO TECHNIKOS UNIVERSITETAS
- TU/e
- Culture Liverpool
- CITY DE LYON
- Città di Torino
- EINDHOVEN

7 universities
- ALMA MATER STUDIORUM UNIVERSITA DI BOLOGNA
- PRIMARIA DI CONSORS LOCAL CASA PUNICA
- UNIVERSITY OF YORK
- INSTITUTO DE CIENCIAS SOCIAIS

2 city networks
- EURO CITIES
- I.C.L.E.I

Companies, PMI, Agencies, Foundations

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 730280
ROCK aims to demonstrate how historical cities can become laboratories to test new models of urban development
The ROCK approach: a circular model
Opportunities for cultural heritage to demonstrate environmental best practice

Lucy Latham, Julie’s Bicycle
What does environmentally-engaged cultural heritage look like?

1. A **development strategy** underpinned with environmental governance e.g.: emissions caps (Paris Agreement); policy framing (SDGs); innovative economic models (circular economy)

2. A low-carbon **built environment** which demonstrates resource conservation and renewal, and a flourishing **natural environment** with platforms to support human-nature interactivity;

3. An environmentally-literate **organisational culture** which reflects values of sustainability (social and ecological);

4. An ongoing **engagement programme** to inspire audiences’ environmental thinking, critical discourse and debate.
Creative Green: a framework for environmental best practice

It supports organisations’ environmental impact reductions through its three principles of COMMITMENT, UNDERSTANDING and IMPROVEMENT.

Commitment: assessment of environmental policy, procedures, responsibilities and procurement as well as the integration of environmental sustainability with broader organisational development, values and mission. Additionally, communications and creative programmes to engage key stakeholders, such as staff, board, creative team, professional network, suppliers, sponsors and importantly audiences.
Creative Green: a framework for environmental best practice

It supports organisations’ environmental impact reductions through its three principles of COMMITMENT, UNDERSTANDING and IMPROVEMENT.

Understanding: assessment of monitoring areas of environmental impact from energy, waste, water and business travel to productions, office materials and audience travel. As well as understanding environmental attitudes of key stakeholders. In addition, points are awarded for how data and insights are used to inform priorities, action plans, targets, and learning.
Creative Green: a framework for environmental best practice

It supports organisations’ environmental impact reductions through its three principles of COMMITMENT, UNDERSTANDING and IMPROVEMENT.

Improvement: assessment of reduced environmental impacts across each core area of impact. The assessment compares reductions between the current and previous year for each impact (energy, energy-related emissions, waste generation, water use and one other chosen impact); as well relative reductions (i.e. performances, tickets sold or audience days) between the current and previous year, and also the current year and the baseline year.
Summary roadmap:

- Governance and management
  - Leadership, strategy and business planning
  - Roles and responsibilities
  - Training and recognition
  - Policy and process
- Understanding
  - Monitoring and reporting
  - Performance analysis
  - Attitudinal surveys
- Improvement
  - Strategy and action planning
  - Communicating action
  - Education and outreach
  - Collaboration and sharing practice
- Communications
  - Marketing/social media messaging
  - Publicly available info
- Creative programmes
  - Sustainable production
  - Thematic
PART THREE

Social innovation in ROCK cities for the climate

Jesus Iglesias, Ecopreneurs for the Climate
EU Programme of Side Events
COP24 - UN Climate Change Conference
EU Pavilion, Katowice, Poland

Room Brussels (14 Dec)
15:30 - 17:00
Urban frameworks reinforcing cultural heritage as a driver for climate innovation and sustainability

COP24 in Katowice, 2018.

Julie's Bicycle
ROCK
efca

THE NETWORK OF MAJOR EUROPEAN CITIES
ecopreneurs climate

COP24 Katowice 2018
EIT InnoEnergy
EIT Climate-KIC
EIT RawMaterial
EIT Health
EIT Digital
EIT Food
EIT Urban mobility
EIT RawMaterial
EIT Climate-KIC
EIT Health
EIT Digital
EIT Food
EIT Urban mobility

ROCK climate
ecopreneurs climate
Panel discussion

Dr Sandeep Sengupta, IUCN
Pietro Ceciarini, founder of BackBO
Jesus Iglesias, Ecopreneurs for the Climate
Lucy Latham, Julie’s Bicycle
Peter Boswell, FIDIC-EFCA
Cécile Houpert, EUROCITIES
Presentation

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Pietro Ceciarini, founder of BackBO
back bottles to the circle
start the circular revolution
Panel discussion

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Lucy Latham, Julie’s Bicycle
Peter Boswell, FIDIC-EFCA
Cécile Houpert, EUROCITIES
Conclusions

Cécile Houpert, EUROCITIES
Follow us!

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www.rockproject.eu
Thank you!