Photosharing on flickr: a data source for assessing cultural values in urban landscapes
Historic Urban Landscape HUL

Cultural heritage, in its manifold expressions, is an enabler and driver of the economic, social and environmental dimensions of sustainable development.

Category

Approach
HUL Toolkit

Knowledge & Planning Tools
- Planning
- GIS
- Big Data
- Cooperation
- Morphology
- Impact Assessment

Community Engagement Tools
- Dialogue & consultation
- Community Empowerment
- Cultural Mapping

Regulatory Systems
- Laws & Regulations
- Traditional Custom Policies & Plans

Financial Tools
- Economics
- Grants
- Public-Private

Social Media
Tripoli, Lebanon
Photos were assembled by photographer

Photos were clustered by location
Most and least photo shot zones

Photos are clustered by content
Quantitative Analysis
Most used tags

Qualitative Analysis
The Tags are qualitatively analyzed in relation to the content of photos to unveil the cultural values associated with the historic urban landscape.
Data Profile

• Number of users: 473
• Number of retrieved photos: 2888
• Number of analyzed photos: 1535

After the elimination of photos of the same location that are taken by the same photographer

• Number of photos per user ranges from 1 to 46
• Number of user tags ranges from 0 to 25
Evolution of the number of photos posted by date
OUTCOME
Processing of photos
Location Data

LEGEND
- Cold Spot
- Significant Cold Spot
- Hot Spots
- Significant Hot Spots
Photos by Content

**Tangible Aspects**
- **Urban Scenery**: Count 182
- **Landscape Scenery**: Count 80
- **Buildings/Monuments**: Count 294
- **Objects/Details**: Count 233
- **Natural Features**: Count 239
- **Activities**: Count 191
- **Expressions**: Count 47
- **Knowledge**: Count 109

**Intangible Aspects**
- **Practices**: Count 113
Most posted photos
Urban scenery
East bank of the river posted 70 times

Landscape scenery
Natural landscape (the sea) posted 65 times

Title: View of Tripoli, Lebanon from the Citadel which lies high above the old town
Most posted photos
Streets

Commercial Streets in the Mamluk Core
Most posted photos
Monuments

Citadel

Great Mosque
<table>
<thead>
<tr>
<th>Tangible Attributes</th>
<th>Count</th>
<th>Intangible Attributes</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Built Environment</strong></td>
<td></td>
<td><strong>Activities</strong></td>
<td></td>
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<tr>
<td><em>Form</em> Street, City, Urban, Town, Downtown, Cityscape, Roads</td>
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<td>Travel, Market, Fishing, People, Fisherman, Trip, Working, Portrait, Boy, Girl, Man, Woman, Children, Shopping, Bazar, Tourism, Tour</td>
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<td><em>Buildings/ Monuments</em> Castle, Architecture, Building, Mosque, St Gilles, Houses, Fortress, Bath, Clock Tower</td>
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<td><em>Objects/Details</em> Window, Arch, Wall, Stairs, Balcony, Door</td>
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<td><strong>Natural Features</strong></td>
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<td><strong>Expressions</strong></td>
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<td><strong>Visual Relationships (sensory Tags)</strong> Old, Lights, Lighting, Color, View, Shadow, Fragment, Faded</td>
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<td><strong>Knowledge</strong></td>
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<td>Refugee, Oscar Niemeyer, War, Army, Camp,</td>
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<td><strong>Practices</strong></td>
<td>19</td>
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<td>Soap</td>
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</tbody>
</table>
Title: View of Tripoli, Lebanon from the Citadel which lies high above the old town
Cultural Values associated to the Historic Urban Landscape

PHOTO CONTENT

- Aesthetic: 31%
- Social: 14%
- Historic: 3%
- Age: 14%
- Economic: 16%
- Political: 7%
- Ecological: 15%

TAGS

- Aesthetic: 31%
- Social: 13%
- Historic: 2%
- Age: 18%
- Economic: 21%
- Political: 7%
- Ecological: 6%

TITLES

- Aesthetic: 33%
- Economic: 21%
- Social: 13%
- Age: 18%
- Historic: 2%
Management of Change