Exporelab MSc4
Reviving the cultural identity of Kea
April 18th, 2012

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Kea

Population: ±2900
Area: 129km²
Width: 9km
Length: 19km
Highest point: 560m
introduction

research

design
Enamel factory
Decrease of Kea’s population due to lack of local economy

- 60% decrease in population within 13 years
- 40% of the houses in Ioulida are desolated
cittaslow
SLOW is a revolution, an alternative to our obsession with speed. You see more when you take things a little slower, like you notice every little detail when a film is shown in slow motion.

Slow can manifest itself in any design, object, space or image that encourages a promotion of local artisans, local designers, local flavours.

It’s an endless idea you can make your own in any way you want to.

Slow works to counteract fast life and the disappearance of local traditions.

In a loud, crowded, crazy world, it’s good for the soul to live life better by living slower.
Cittaslow requirements

- Less than 50.000 inhabitants
- Protection of the environment
- Quality of infrastructure
- Improve urban quality
- Preservation of culture and history
- Encouragement of local produce and products
- Creation of awareness
How being a SlowIsland can help Kea

- Provide a sustainable source of economic growth
- Increase the islands reputation
- Strengthen cultural and national awareness
- Help the island’s sustainable development
- Become role model for other islands
Kea research results

1. Culture

2. Agriculture

3. Architecture
Agriculture
Architecture
Architecture

Small alleys

Shelters
Masterplan

1. Network

2. Renovation

3. Promotion
Website

SLOW ISLAND

KEA
Kea, a small Greek island with a rich cultural heritage.

SLOW ISLAND
A strong and clear concept can help improve the island’s qualities.

KOKKA
Kokka will be the cultural center of the Slow Island concept.
Design
Coaling station, Kokka
Site analysis
Location
Location
Location
View from Kokka
Program
Materials

concrete  cor-ten steel  steel
Way of design

introduction  research  design
Paths

introduction  research  design
Recreational area
introduction  research  design
Market
Market
Market
Market

introduction  research  design
Market
\[ > 75.9^\circ \rightarrow B = \frac{A}{\tan \alpha} = \frac{2000}{\tan 75.9^\circ} = 502.4 \]

\[ > 502.4 \text{mm} \rightarrow 500 \text{mm} \]
Market
Market
Market – Construction process
Market – Construction process

Week #1

introduction    research    design
Market – Construction process

Week #2

introduction  research  design
Market – Construction process

Week #3

introduction  research  design
Market – Construction process

Week #3

introduction  research  design
Market – Construction process

Week #3
Market – Construction process

Week #8

introduction  research  design
Market – Construction process

Week #16
Market – Construction process

Week #20

introduction  research  design
Market
Promenade
Promenade
Promenade
Promenade

introduction  research  design
Promenade
Promenade
Promenade
Promenade
Promenade
Promenade

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introduction  research  design
Promenade

introduction  research  design
Promenade
Sunset pavilion
Sunset pavilion
Sunset pavilion
Sunset pavilion
Sunset pavilion
Final overview
Thank you
Market – Construction process

\[ 7,500[kg] \times 9.81\left[\frac{m}{s^2}\right] = 73,575[N] \approx 73.6[kN] \]

<table>
<thead>
<tr>
<th>Rope diameter [mm]</th>
<th>Minimum Breaking Strength [kN]</th>
<th>Safe Load [kN]</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>372</td>
<td>74.3</td>
</tr>
<tr>
<td>29</td>
<td>468</td>
<td>93.4</td>
</tr>
</tbody>
</table>
Vegitation
Questions