Designing for Shrinkage

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OHNO Hidetoshi
About myself

Hidetoshi OHNO, Dr., Professor, Architect

1972 Graduated from The University of Tokyo

1976-1983 Fumihiko Maki and Associates
1983- Department of Architecture, The University of Tokyo,
1999- Department of Socio-Cultural Environmental Studies
   Graduate School of Frontier Science
   The University of Tokyo

activities

Design studio: undergraduate and master course
Lecture: Architectural design theory, Urban design theory
Practice: architecture, public space, industrial design, sculpture
Research: Boundary of architecture, Contemporary metropolis,
   “Hong Kong, Super metropolis” 1992
Factory Office
Dormitory
Gate house to the park
Art Gallery

受付カウンター
Sculpture
University Building
Health Center
fibercity

http://www.fibercity2050.net/
Reduction of carbon dioxide is obligation for all countries

Shrinkage is inevitable
合計特殊出生率の推移（日本及び諸外国）

子供をもっと増やしたいか

<table>
<thead>
<tr>
<th>国名</th>
<th>人数</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweden</td>
<td>191</td>
</tr>
<tr>
<td>USA</td>
<td>162</td>
</tr>
<tr>
<td>France</td>
<td>180</td>
</tr>
<tr>
<td>Korea</td>
<td>235</td>
</tr>
<tr>
<td>Japan</td>
<td>324</td>
</tr>
</tbody>
</table>

More children | No more children |その他、分からない |
<table>
<thead>
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<th></th>
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<tbody>
<tr>
<td>増やしたい</td>
<td>増やしたくない</td>
<td>その他、分からない</td>
</tr>
</tbody>
</table>

(注) 調査対象は各国20〜49歳男女約1000人、この間は、希望子ども数にまだ達していない人に質問。
(資料) 内閣府「少子化に関する国際意識調査」（2005年10〜12月調査）

(注) 合計特殊出生率は女性の年齢別出生率を合計した値。
(資料) 厚生労働省「平成13年度人口動態統計特別報告」「人口動態統計」、国立社会保障・人口問題研究所「人口統計資料集2006」、Korea National Statistics Office
Demography
Shrinking population will become the biggest issue for the cities in the world.
Unequal shrinkage of population
Neglect of the shrinkage of the city will cause the shrinking of the society.

Need of strategies for making the shrinkage of population an opportunity to a city.
problematique

• Sever battles with the re-distribution of shrinkage are predicted in domestic and international politics in this century.

• The reason why shrinkage is scary is that we do not know how to deal with it.

• Only the civilization which successfully overcomes the shrinkage will be the champion in the 21st century
20th century way = urban design as a way of revolution

1925
Water surface = tabula rasa

1960
Construction of a sustainable city might produce the bulk of debris of the existing city.