CECODHAS

Where is housing in the future social contract?
Leuven, 25 June 2013

Future Research and Innovation on Sustainable and Resilient Cities

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Personally speaking

Horizon 2020 Societal Challenges

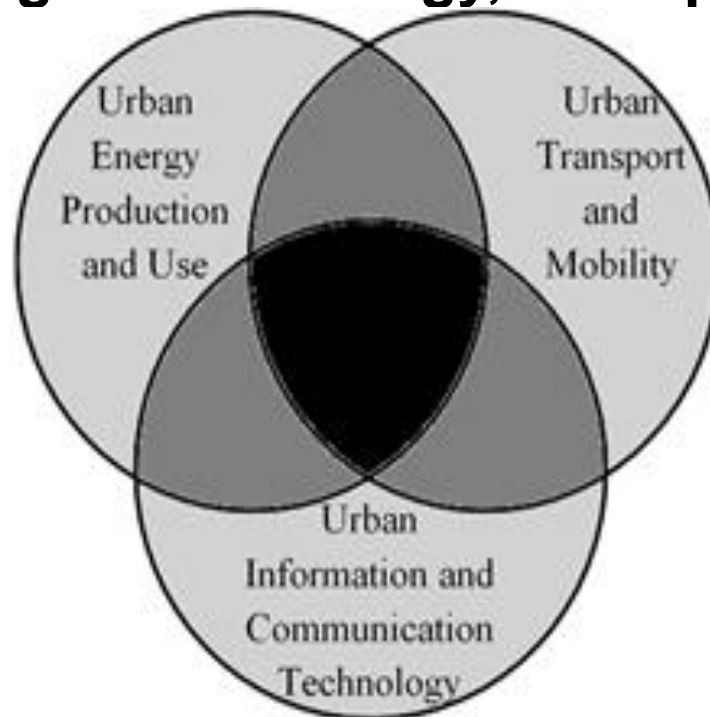| |
|---|
| **Health**, demographic change and wellbeing |
| European **bioeconomy challenges:** Food security, sustainable agriculture and forestry, marine and maritime and inland water research |
| Secure, clean and efficient **energy*** |
| Smart, green and integrated **transport** |
| Climate action, **resource efficiency** and raw materials |
| **Inclusive, innovative and reflective societies** |
| **Secure societies**: Protecting freedom and security |

* Does not include ITER

Source: Council PGA

Resilient cities - H2020 opportunities
Societal Challenge 3 - Energy

SC 3.1.3 Foster EU Smart Cities & Communities

Convergence of Energy, Transport and ICT

Source: EC, C(2012)4701 and PGA

Resilient cities - H2020 opportunities Societal Challenge 4 - Transport

SC 4.1.3 Improving transport & mobility in urban areas

➢ **Interaction between transport & other urban systems**

➢ **New mobility concepts, transport organisation, multimodality, innovative vehicles and urban public services**

➢ **Planning solutions to reduce congestion, pollution and noise**

Source: Council PGA

Resilient cities - H2020 opportunities Societal Challenge 5 – Climate & RE

➤ **Urban metabolism, resilience and new concepts**

Source: EC, FP7

Resilient cities - H2020
Societal Challenge 6 - Inclusive

6.1.5 Innovative spatial and urban planning and design

➢ **Sustainable, open, innovative & inclusive urban design**

➢ **Dynamics of urban societies and social changes**

➢ **Public spaces within cities (social inclusion, less crime)**

➢ **Reduce pressures on natural resources & eco. growth**

➢ **Cities as hubs of innovation**

➢ **Forward-looking vision**

Source: Council PGA

Resilient cities - H2020
Societal Challenge 7 - Security

7.2 Improve the resilience of critical infrastructures

7.5 Resilience to crises and disasters

- ➢ **Protection against any type of threats**

- ➢ **Critical infrastructures including in urban areas**

- ➢ **Communications, transport, finance, energy, health,…**

- ➢ **Emergency management in crises and disasters**

Source: Council PGA