Urban Research and Scenarios on Demographic Change, examples from the City of Cologne (Germany)

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Introduction
Basic policy framework

„Cologne 2020 model“
The modern urban society (Demographic Change as a challenge)

„A functioning urban society accepts the challenges of demographic change, immigration, social system restructuring and the increasing competition in the economy. Overcoming these is a prerequisite for ensuring Cologne’s sustainability.“ […]
Urban Research on Demographic Change

Methods

- Population projection / Population structure
- Scenarios on Demographic Change
- Survey on Demographic Change
- Monitoring Urban Development
- Participation in Research Projects

urban research provides data, projections and information for urban policy

urban policy asks for special analyses about different aspects of urban development
Population Projection
2011-2040

<table>
<thead>
<tr>
<th>Year</th>
<th>Population (in 1,000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>1,007</td>
</tr>
<tr>
<td>2015</td>
<td>1,049</td>
</tr>
<tr>
<td>2020</td>
<td>1,065</td>
</tr>
<tr>
<td>2030</td>
<td>1,052</td>
</tr>
<tr>
<td>2040</td>
<td>1,049</td>
</tr>
</tbody>
</table>

Quelle: Stadt Köln - Amt für Stadtentwicklung und Statistik - Statistisches Informationssystem
Ageing
75-years and older (in %)

1995

2012

percent
0.1 - 3.9
4.0 - 6.9
7.0 - 9.9
10.0 - 13.5

Cologne = 6.1 percent

percent
0.1 - 3.9
4.0 - 6.9
7.0 - 9.9
10.0 - 17.8

Cologne = 8.2 percent
People in need of long-term care
Current Situation

- Full in-patient basis in care homes: 31.6%
- Home care service: 23.3%
- Long-term care allowance (family members): 45.0%

Long-term care 2001-2009 in %

- 2001: 46.1%
- 2003: 45.0%
- 2005: 21.3%
- 2007: 23.3%
- 2009: 32.6%

- Total 2009: 22,557 people in need of long-term care (2.21%)
- 2001-2009: +13.9%

Quelle: IT.NRW, Stadt Köln / Amt für Stadtentwicklung und Statistik
Scenarios for people in need of long-term care

4 Scenarios:

Scenario 1: Status-Quo-Scenario (based on rate of people in need of long-term care of 2009)

Scenario 2: Development of the past years continues (extrapolation of the rates of 2001-2009)

Scenario 3\(^1\): Healthy Ageing 1 (increased life expectancy led to more healthy years – the risk to be depended on care is shift a year back in 2015 and in 2030)

Scenario 4\(^1\): Healthy Ageing 2 (increased life expectancy led to more healthy years – the risk to be depended on care is shift a year back in 2025)

\(^1\): see WIFO 2008: Mittel- und langfristige Finanzierung der Pflegevorsorge
Scenarios for people in need of long-term care

Increase of people in need of long-term care

2009-2035: 1.5% - 33.9%

Quelle: IT.NRW, Stadt Köln / Amt für Stadtentwicklung und Statistik & Amt für Soziales und Senioren, Sozialplanung
Scenarios for people in need of long-term care and for care-potential

Scenarios base upon a method by Blinkert/Gräf 2009

- Care-potential (partner / children)
- Type of care (care home, home service, family)

Scenario assumption

- Increasing number of elderly people (population projection)
- Declining number of younger people (population projection)
- Increase of women's and elderly employment
- Increase of people receiving care in care homes
Scenario for people in need of long-term care and for care-potential

Quelle: IT.NRW, Stadt Köln / Amt für Stadtentwicklung und Statistik & Amt für Soziales und Senioren, Sozialplanung
Scenario for people in need of long-term care and for care-potential (family members)

Quelle: IT.NRW, Stadt Köln / Amt für Stadtentwicklung und Statistik & Amt für Soziales und Senioren, Sozialplanung
What are your preferences for long-term care?

- Spouse: 56%
- Elderly housing: 55%
- Home care services: 52%
- Family members: 38%
- Care homes: 12%
- Relatives/friends: 11%
- Others: 7%

Quelle: Befragung „Demographischer Wandel in Köln“ 2009, Stadt Köln
What aspects are important for an age-friendly living?

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Total (18 to 80 years)</th>
<th>75 years and older</th>
</tr>
</thead>
<tbody>
<tr>
<td>medical care</td>
<td>84</td>
<td>78</td>
</tr>
<tr>
<td>Staying in neighbourhood</td>
<td>72</td>
<td>47</td>
</tr>
<tr>
<td>transport infrastructure</td>
<td>75</td>
<td>64</td>
</tr>
<tr>
<td>good local amenities</td>
<td>73</td>
<td>61</td>
</tr>
<tr>
<td>being near to the family</td>
<td>60</td>
<td>56</td>
</tr>
<tr>
<td>health and social care</td>
<td>68</td>
<td>57</td>
</tr>
<tr>
<td>secure residential environment</td>
<td>68</td>
<td>50</td>
</tr>
<tr>
<td>housing costs</td>
<td>61</td>
<td>39</td>
</tr>
<tr>
<td>young neighbours with children</td>
<td>51</td>
<td>37</td>
</tr>
<tr>
<td>cultural offers</td>
<td>47</td>
<td>28</td>
</tr>
</tbody>
</table>

* selected items

Quelle: Befragung „Demographischer Wandel in Köln“ 2009, Stadt Köln
Monitoring Urban Development
Index: Demographic Change

Index: "Demographic Change" 2009

- Ageing: 111
- Diversity: 104
- Population development: 100
- Index: 107
Monitoring Urban Development
Index: Demographic Change

Dynamic of Demographic Change 1995-2009

Status of Demographic Change

Dezernat VI/Amt für Stadtentwicklung und Statistik
Participation in Research Projects

- Current processes and trends on an international level
- Learning from other experiences

Challenges for Urban Policy

Conclusion

• Increasing demand for housing
• Modification of Infrastructure
• Increasing demand for barrier-free housing
• Ageing in place (neighbourhood development)
• Long-term care
• Changes in labor markets (decreasing number of working-population, lack of high-qualified employees)

Urban research supports urban policy with detailed data and information about various aspects of urban development
Thank you for your attention

http://www.stadt-koeln.de/politik-und-verwaltung/statistik/

http://www.stadt-koeln.de/politik-und-verwaltung/stadtentwicklung/