

# Benchmarking of operating costs: Experiences in the housing sector in Germany

Siegfried Rehberg

Verband Berlin-Brandenburgischer Wohnungsunternehmen e.V., Berlin Reinhard Zehl

WohnCom GmbH, Berlin

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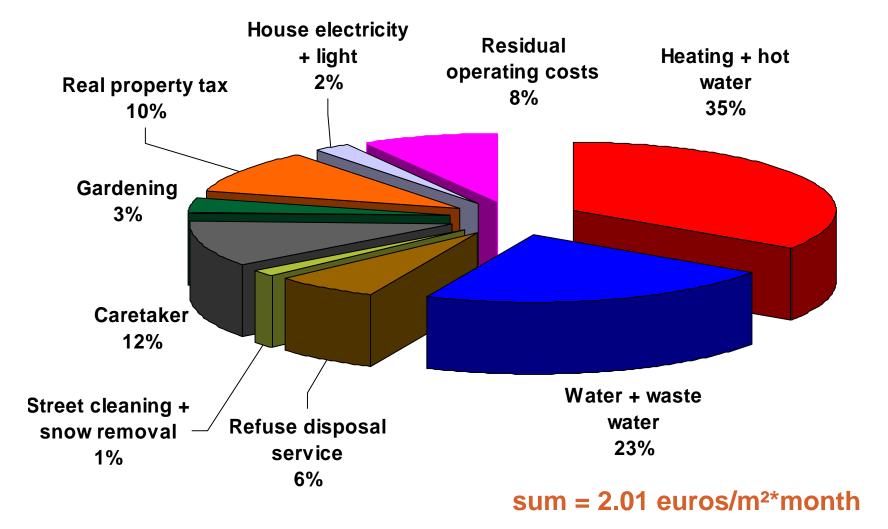
## **Outline**

- Problem
- Approach / Participants
- •Implementation
- Results

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# Types of costs and shares in the total operating costs in Berlin in 2004

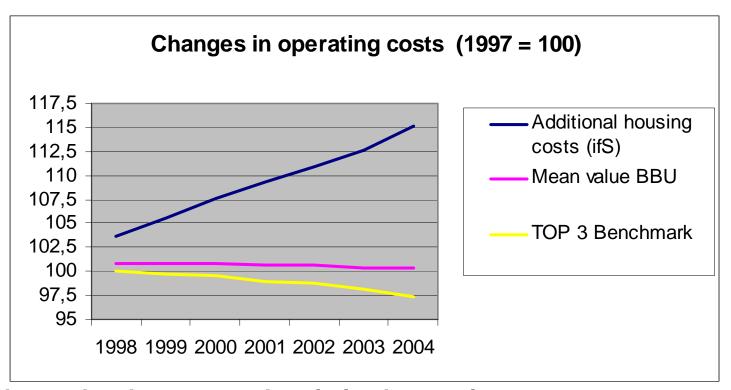








Cost **reduction** and "general" increase in costs



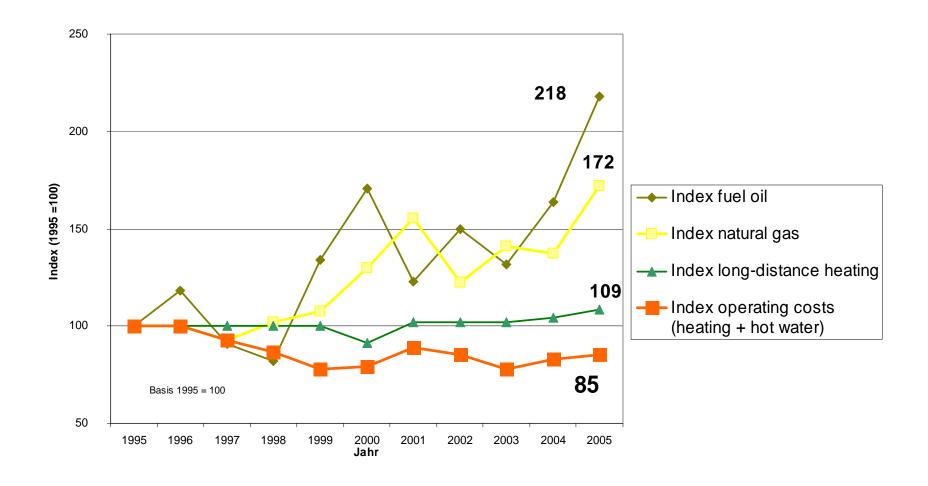
#### General cost development and optimized operating costs

Due to successful cost management, the Benchmarking users were able to counter the general trend by slowing down cost increases or even reducing costs effectively.

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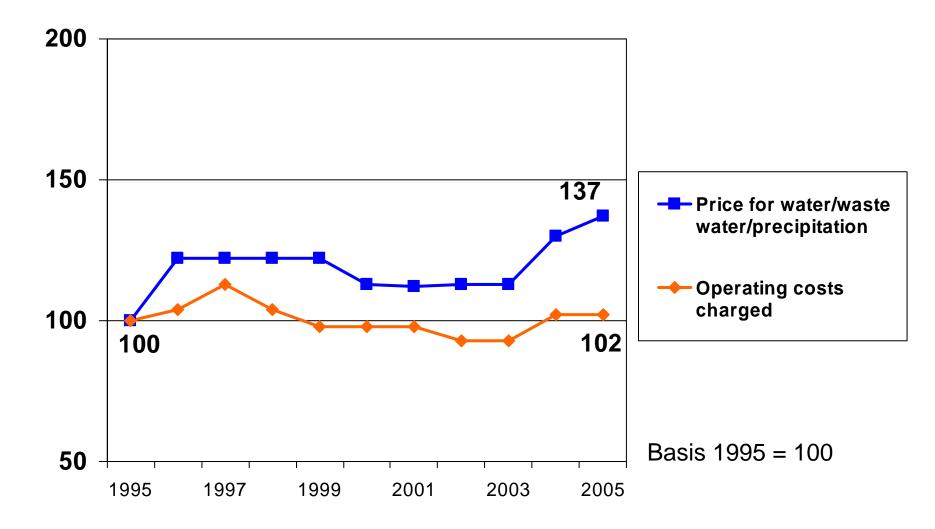
# Development of energy prices and operating costs for heating/hot water of BBU member companies in Berlin





# Index of water prices and operating costs for water / waste water / precipitation of BBU member companies in Berlin



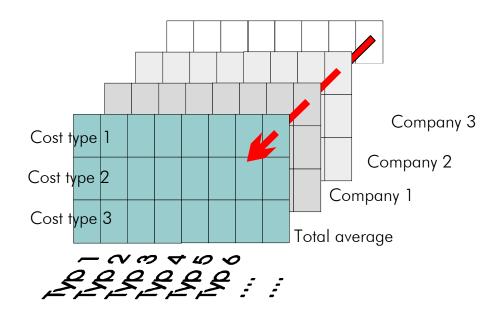






#### Initiative Berlin-Brandenburg and summary of costs

- 1. II. Calculation regulation
- 2. BBU / WohnCom working group (1998)
- 3. Regional working groups of the associations to establish comparisons of operating costs
- 4. Working group GdW head Prof. Bach
- 5. Geislinger Konvention (2001 to 2002)

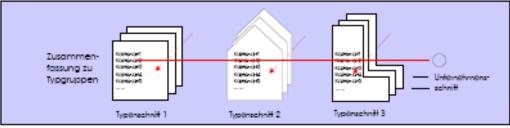


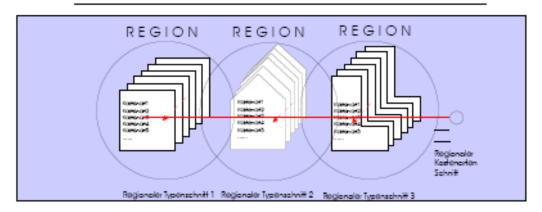




Benchmarking - Concept (type classification and mean values)











#### **Course of optimization**

#### Establishing transparency

Structure Data collection Plausibility

#### Benchmarking

Internal and external comparisons

#### Variance analysis

Causal research History

#### Initiating measures

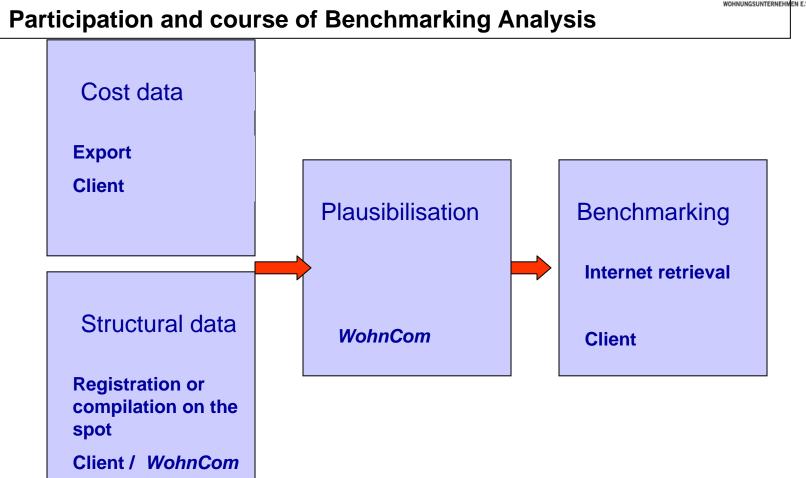
Best practice Documentation

#### Reviewing success

Target achievement / Target agreement





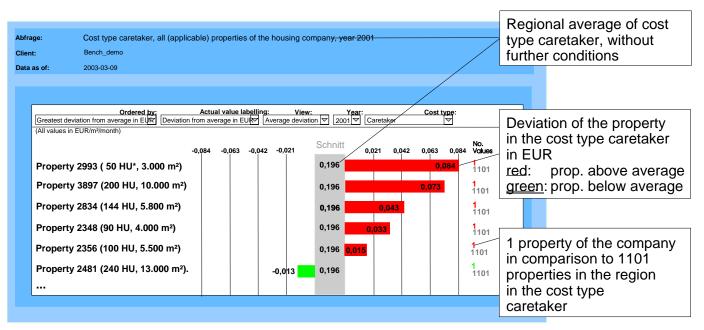






#### Benchmarking - Concept (evaluation example)

#### Analysis via internet

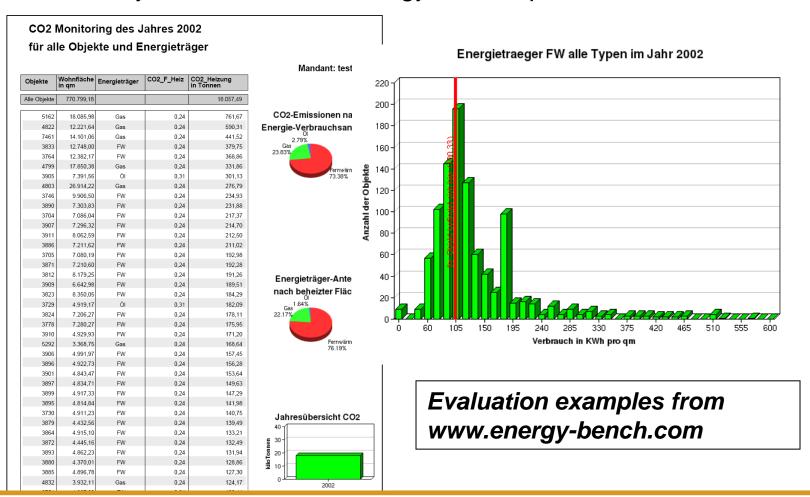


\*HU = housing unit



Benchmarking - Concept (evaluation examples)

#### Analysis via internet – Energy consumption and CO2

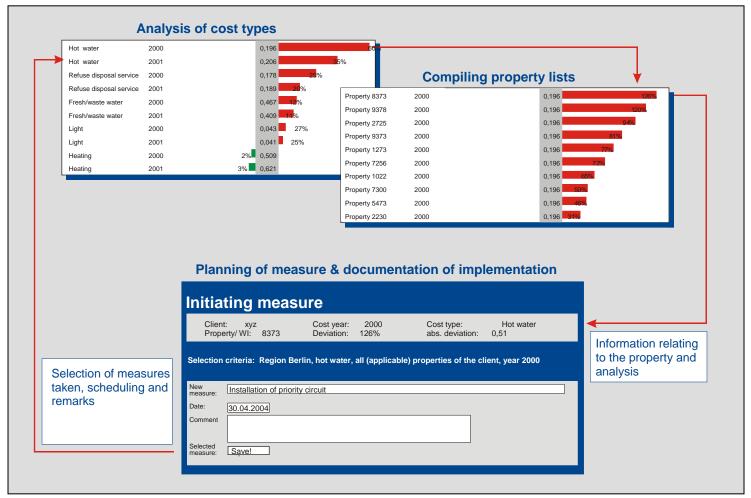


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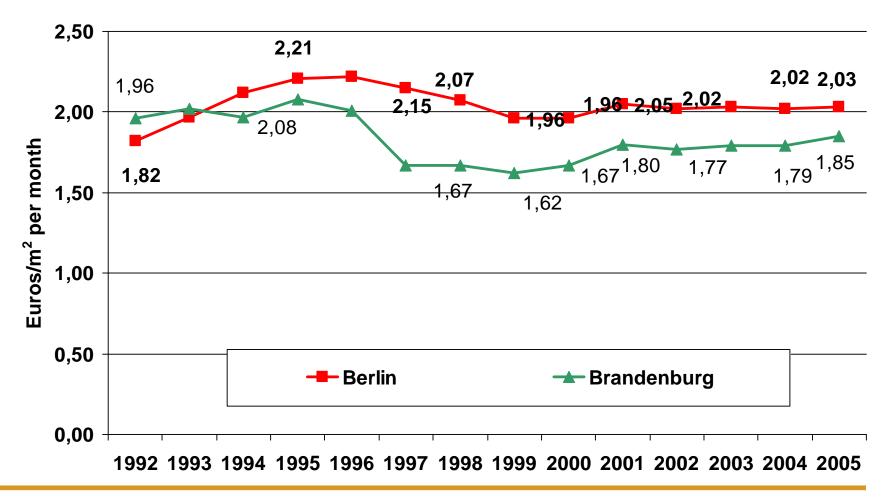
#### Benchmarking - Concept - Extention through "Set of Measures"





#### Average total operating costs of the housing stock

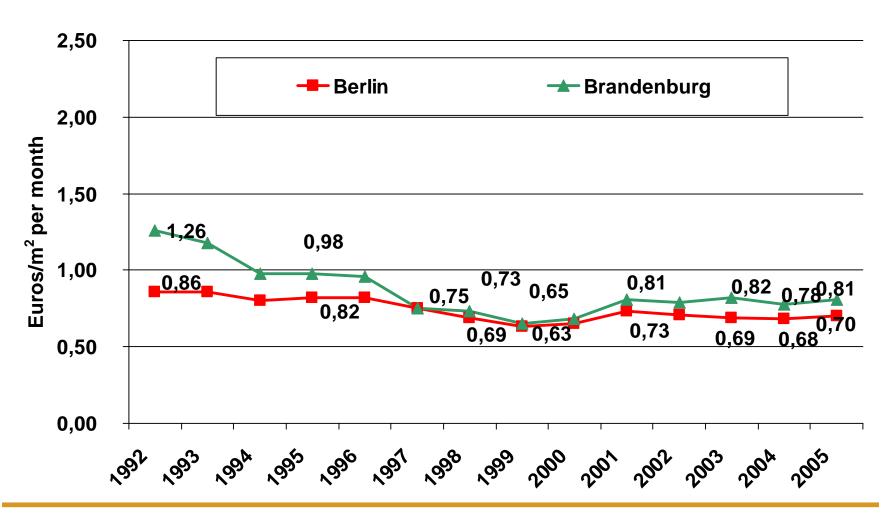
(Basis: 190 Housing enterprises, 610.000 flats; Annual statistics of the BBU and mean values of operating costs of housing companies - without lifts)





#### Average warm operating costs of the housing stock

(Basis: 190 Housing enterprises, 610.000 flats; Annual statistics of the BBU and mean values of operating costs of housing companies - without lifts)

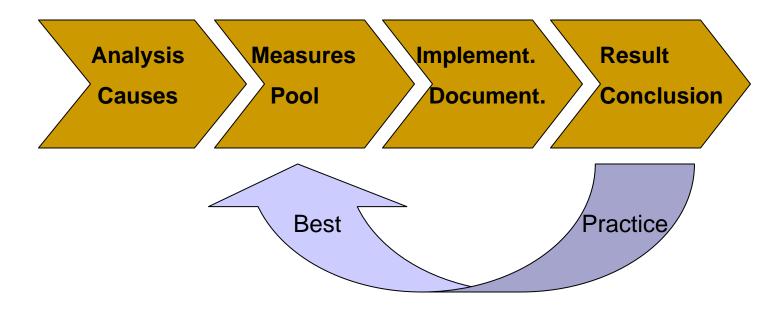






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Benchmarking – Achievements of the competence pool



The "knowledge" gained from the measures or their results will be automatically integrated in the measures pool and makes simple measures in rated form to best-practice proposals.

Know how in two areas:

Firstly optimization approaches = which measures ? (Professional competence)

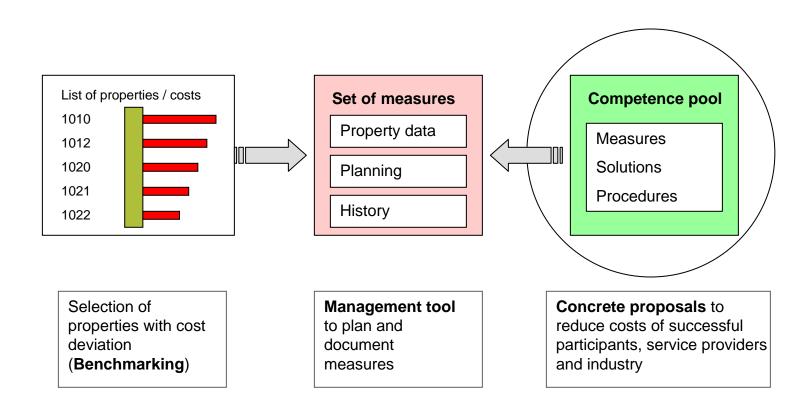
but secondly = how to implement in organisations ? (Method competence)

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#### Benchmarking – Success of the competence pool





# **Benchmarking - Concept**

Internet-based evaluation

Anonymous data processing

Integration in process courses

Regional specifications

Moderated working groups of users

Work in associations

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