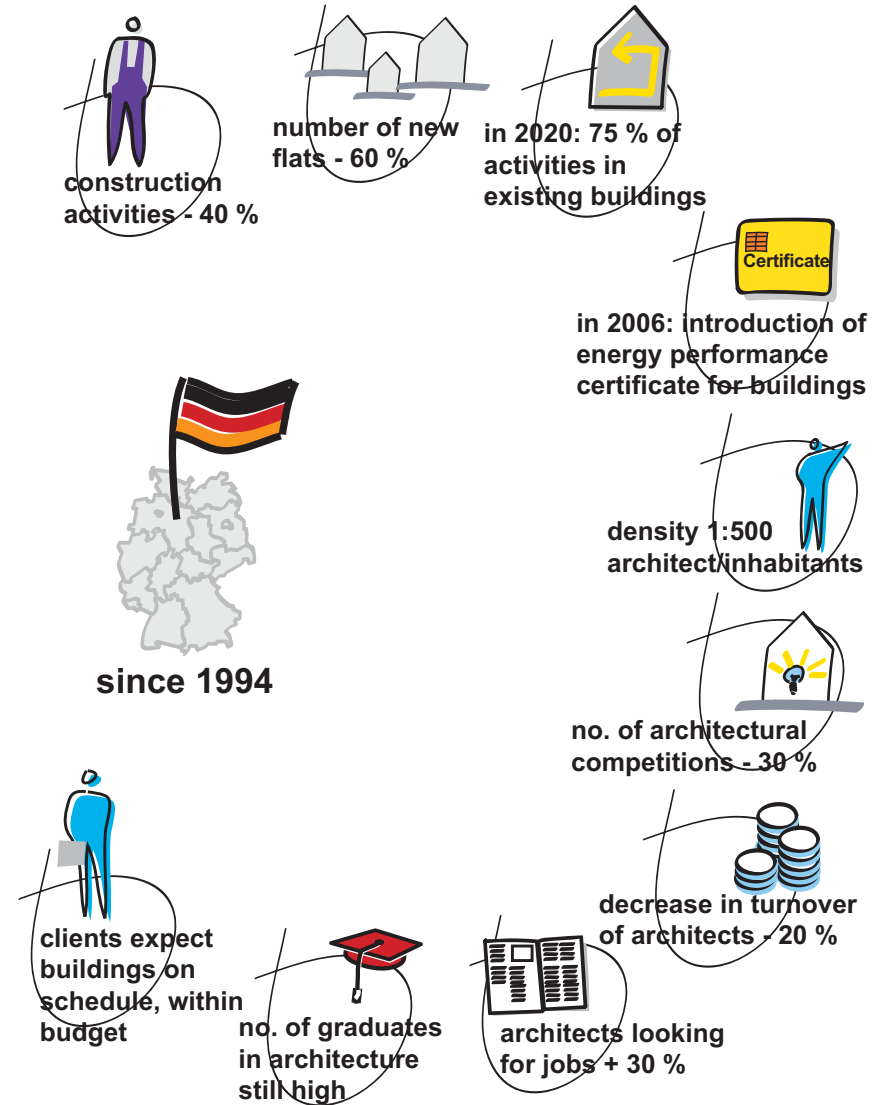
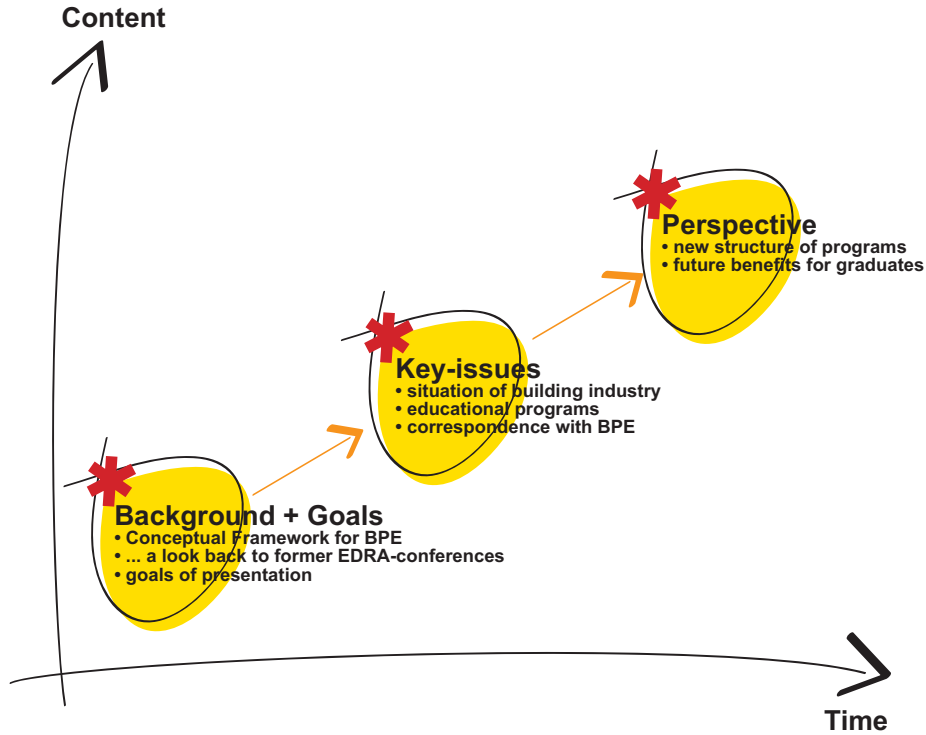


## **Building Performance Evaluation (BPE)**

**How Building Performance Evaluation  
fits into the German Educational Program**

**by Ulrich Schramm, Ph.D.  
University of Applied Sciences  
FH Bielefeld/Germany**

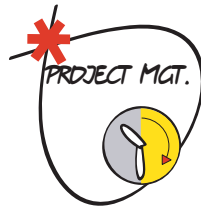


**What is the structure of the presentation?**

- starting point: background + goals
- report from university: key-issues
- results in view of benefits and consequences: perspective

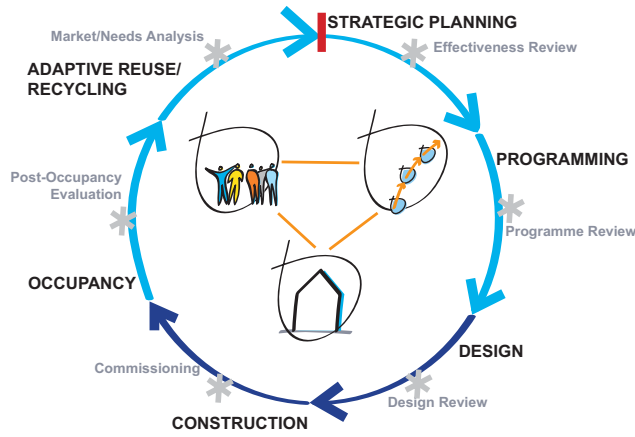
**What is the situation in the building sector?**

- less construction activities than before
- more activities related to existing buildings
- too many architects
- clients: focus on time, budget, running costs

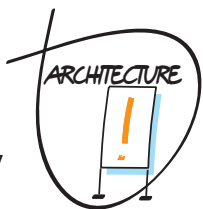


management  
 ==> function  
 ==> form  
 ==> costs  
 ==> time

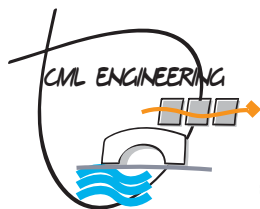
focus on process/life cycle



focus on product

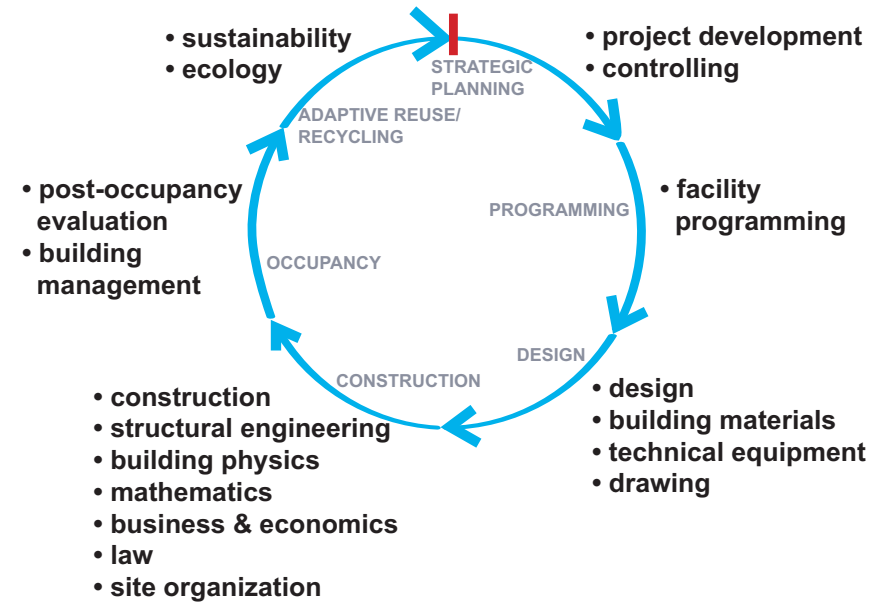


creativity  
 ==> form



mathematics  
 ==> function

Hard skills - technical qualification



Soft skills - interdisciplinary qualification

- communication
- technical English
- second language (Spanish)
- team work
- presentation / visualization
- time management
- .....

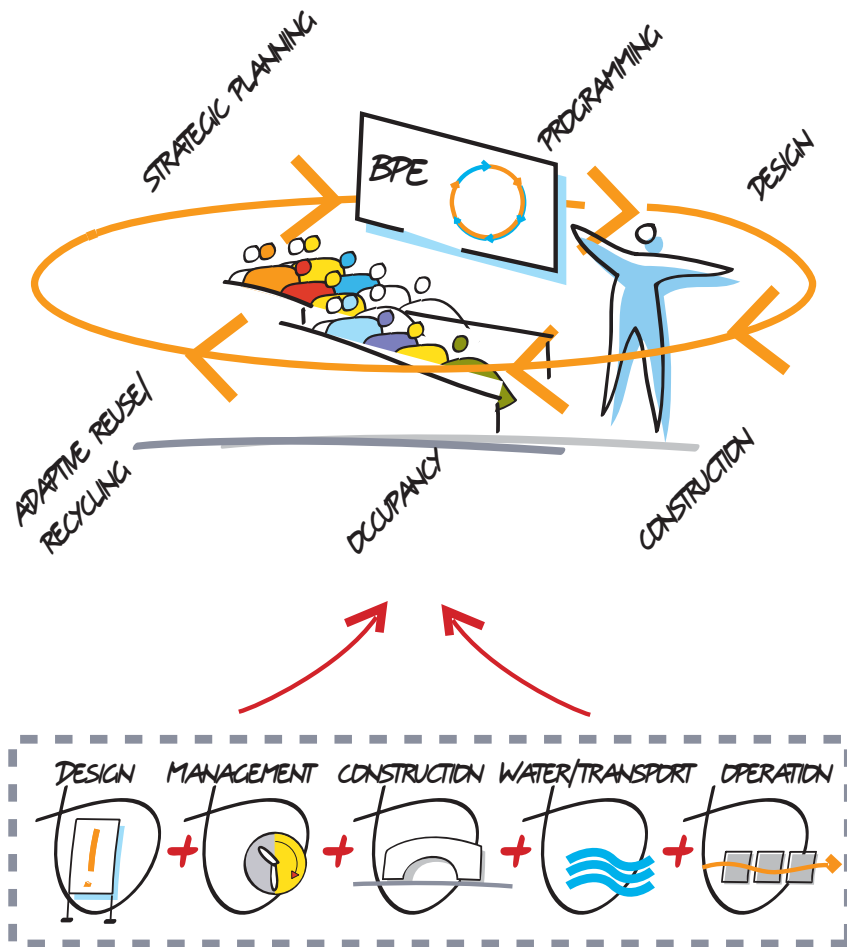


How does the new program correspond with BPE?

- process-oriented: focus is on Building Life Cycle
- complex: considers form, function, costs, time and quality
- interdisciplinary: management of knowledgeable people
- user-centered: focus on productivity, comfort, and well-being

How does the curriculum reflect the BPE-requirements?

- offers hard skills for technical qualification related to every single phase
- offers soft skills for interdisciplinary qualification within the building life cycle



### What could be summarized?

The concept for Building Performance Evaluation:

- fits into the future educational program of our school
- offers graduates feedback within the building life cycle
- contributes to state-of-the-art knowledge of professionals

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