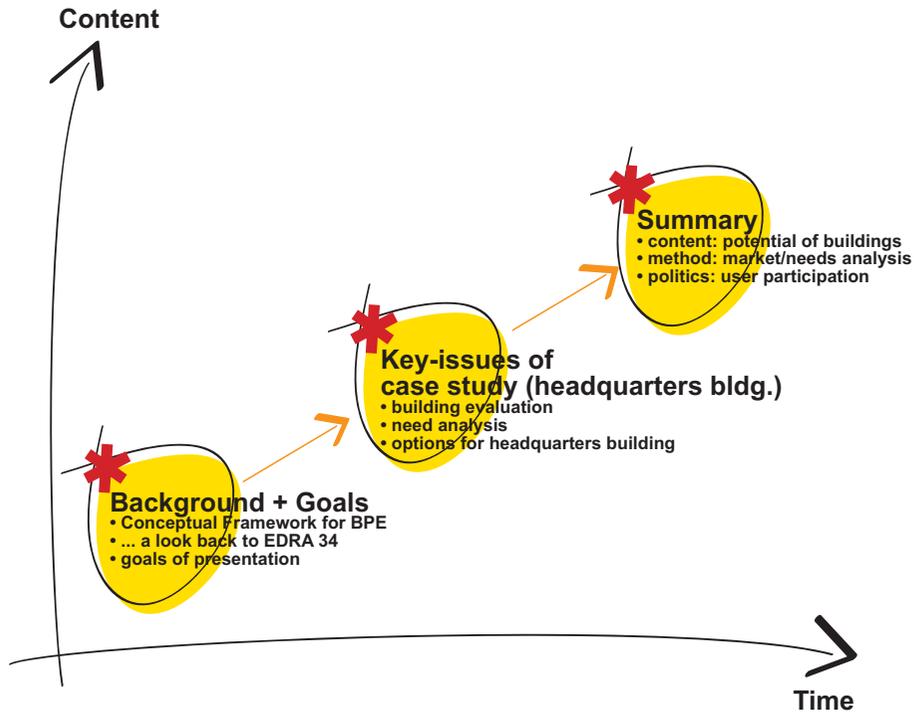


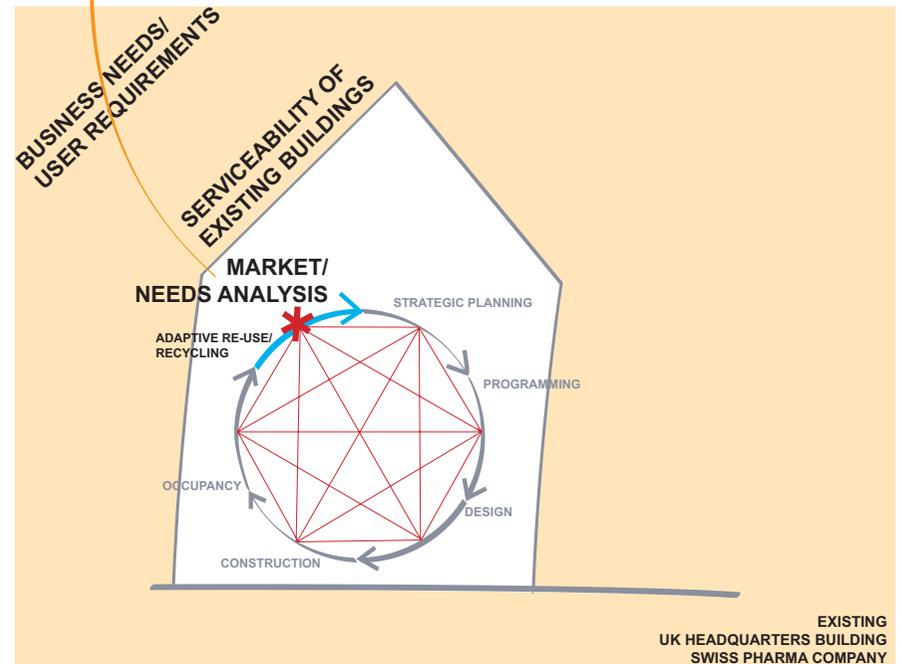
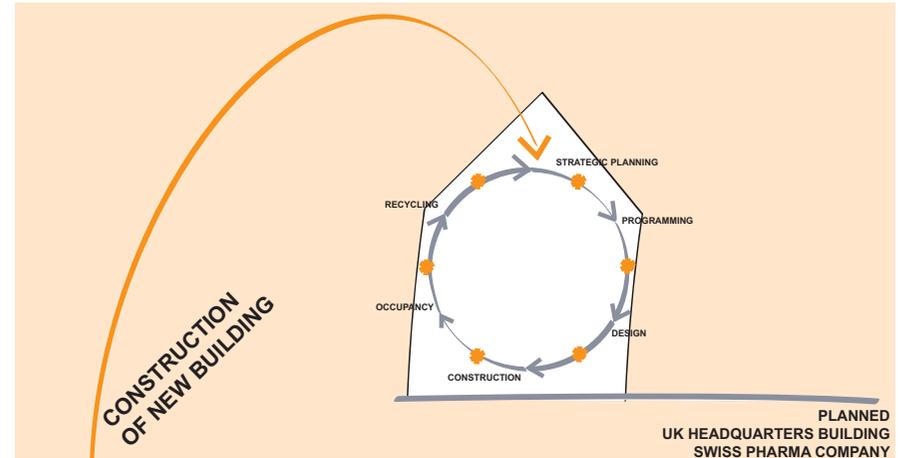
**Building Performance Evaluation
at the End of the Building Life Cycle:
Market/Needs Analysis for a Headquarters Building**

**by Ulrich Schramm, Ph.D.
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What is the structure of the presentation?

- starting point: background + goals
- report from the practice: key-issues of case study
- summary: results in view of content, methodology, politics



What are the goals of this presentation?

- to talk about a BPE case study at the point of 'adaptive re-use'
- content: potential of existing buildings for office re-use
- methodology: market/needs analysis as part of adaptive re-use
- politics: user participation in the process of decision-making

Building 33



GENERAL
Laboratory Building
3172 m² net area
1984
adjacent to buildings 30 and 31
4 floors + basement

SPATIAL
868 m² net area per floor

STRUCTURE SERVICES USE TODAY
Concrete
Air conditioned, laboratory equipped
Laboratories






Building 11



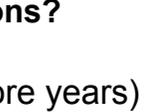
GENERAL
Originally workshop/laboratory building
2964 m² net area
1964
Located between buildings 10 and 12

SPATIAL
3 floors
904 m² net area per floor

STRUCTURE SERVICES USE TODAY
Steel frame, concrete, brick
Air conditioned
Offices, site maintenance services









MAJOR FUNCTIONS TO BE UNDER SAME ROOF

COMMUNICATION COULD IMPROVE UNDER ONE ROOF IN ONE BUILDING

ASBESTOS IS OFTEN PROBLEM WHEN CONVERTING BUILDINGS

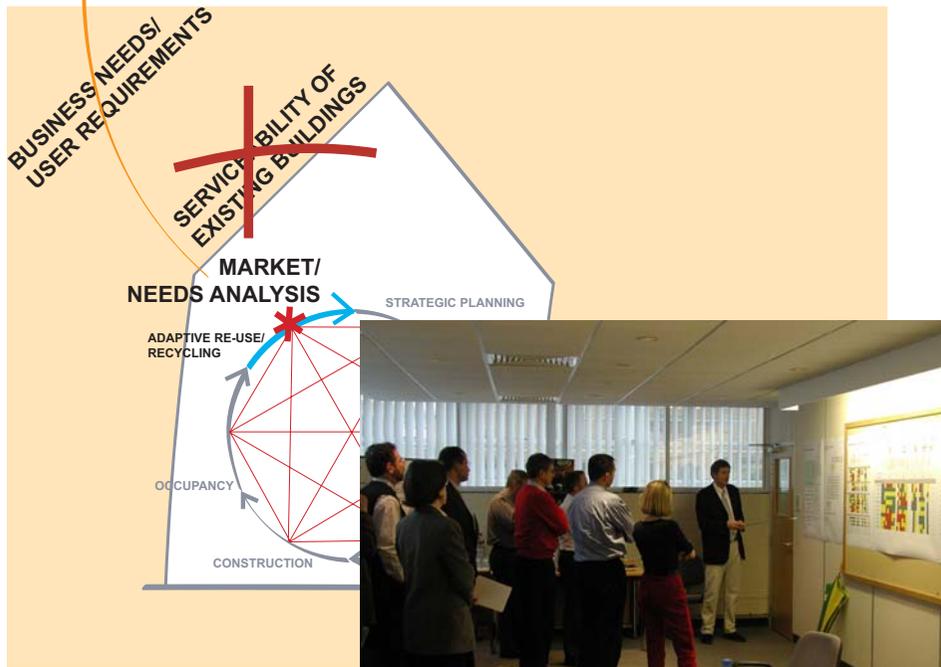
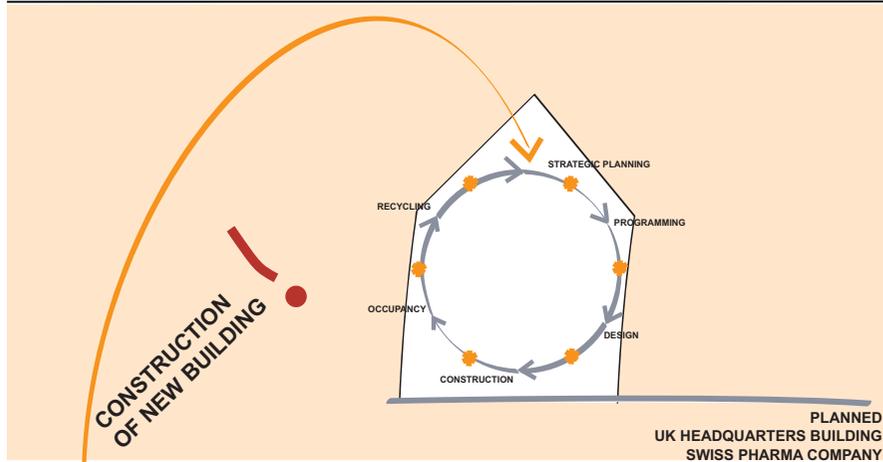
OLDER + CONVERTED BUILDINGS TEND TO BE MORE EXPENSIVE TO RUN

What were the results of specific building evaluations?

- Agglomeration of different buildings
- many of them were still in use for production (2 more years)
- several were furnished with newest lab technology (research)
- many were in a poor condition

What were the results of the organization's needs analysis

- user involvement in the process of building re-use
- interviews with decision makers, heads of departments, users
- learned about functional needs
- learned about possible risks and fears



What could be summarized at the end of this presentation?

- content: no potential of existing buildings for office re-use
- methodology: market/needs analysis proofed to be crucial
- politics: users had a say in the process of decision-making
- in summary, BPE during 'adaptive re-use' was beneficial

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