

Designing Visual Systems for Public Participation in Urban Planning

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Introduction

Introduction

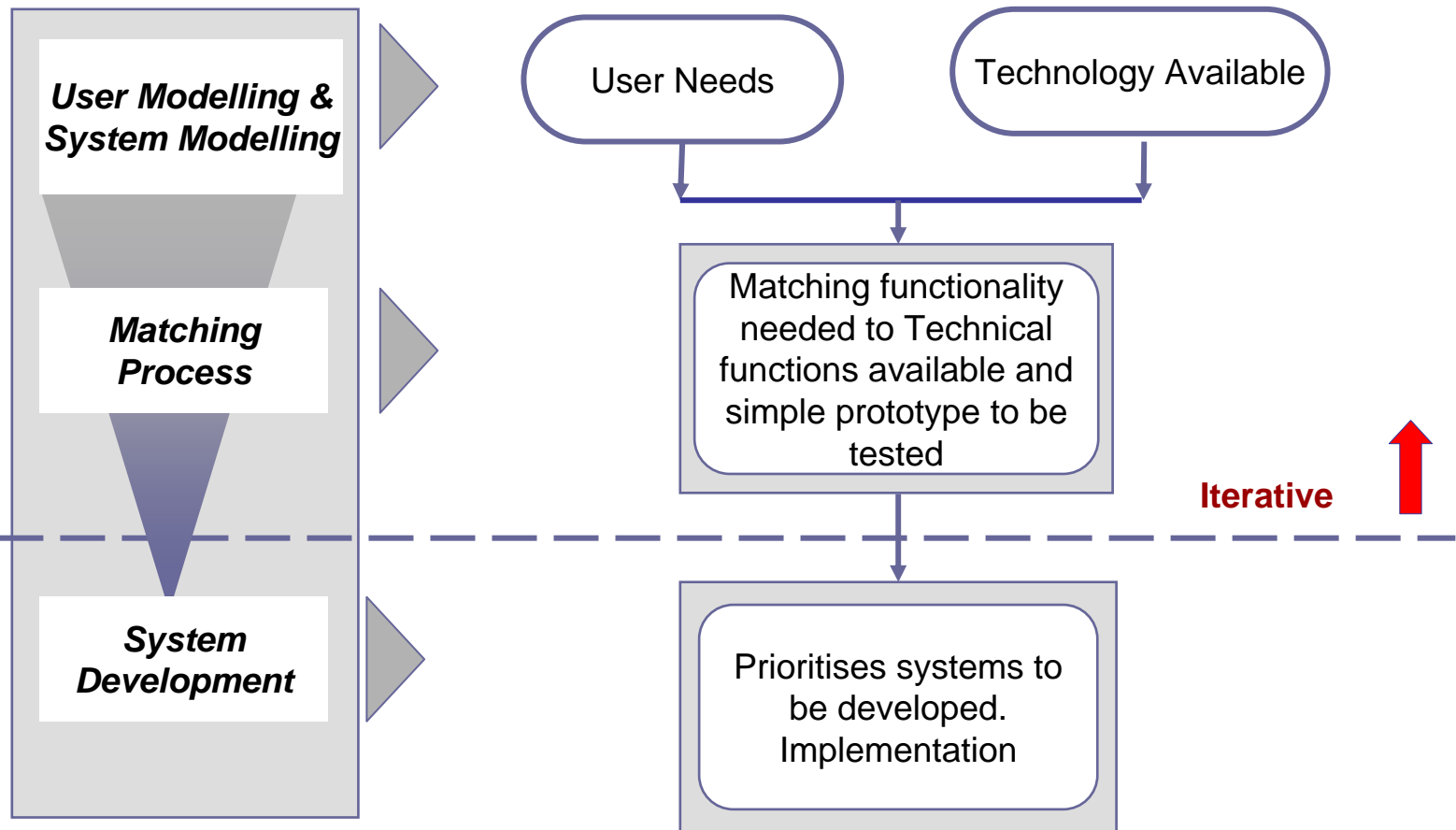
At the workshop, we would like to:-

- 1. Comments on the methodology we proposed**
- 2. Feedback for the systems for public discussion of proposed urban developments we will show.**

Software Development Methodology for Urban Systems involving Complex Stakeholder Interactions

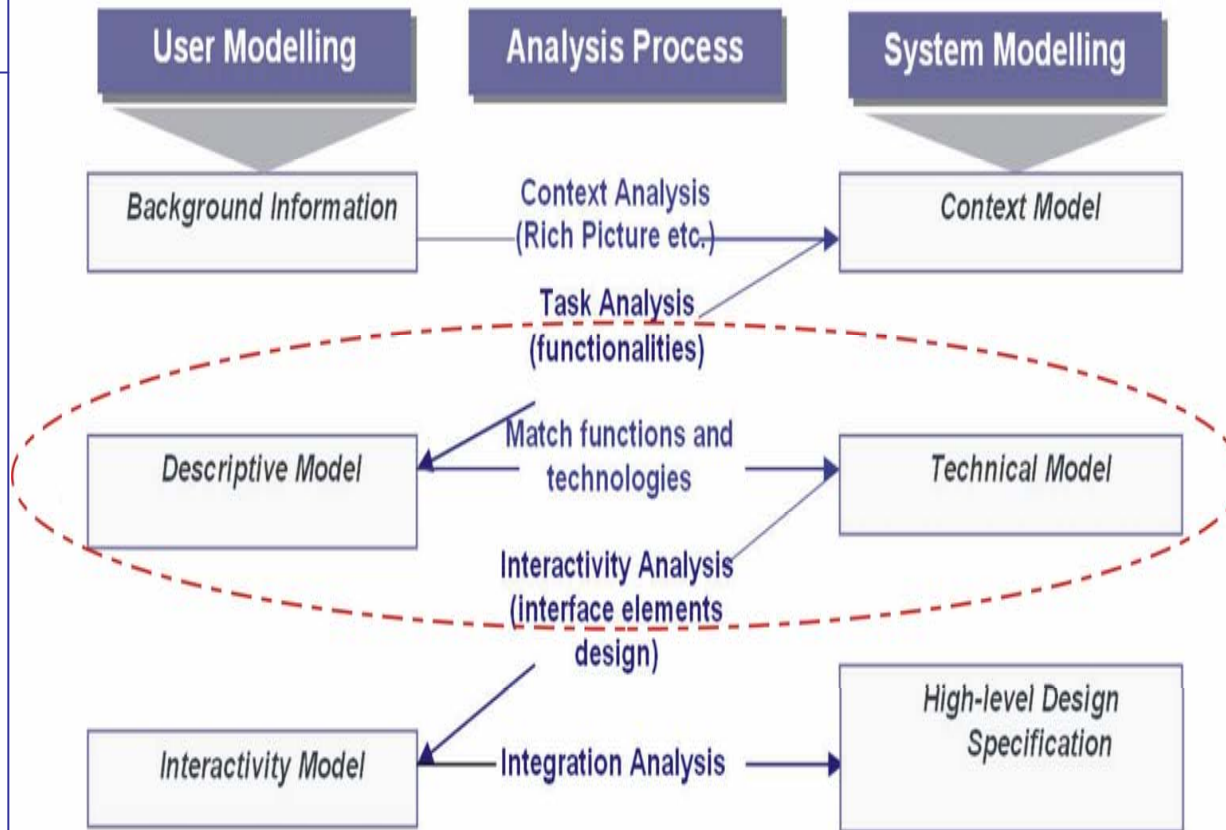
Theory Base of the Methodology: Human-Centered Approach

Framework of the Design Methodology



The Framework of the Methodology

Modelling and Matching Process



NOTE:

- Modelling Processes run through the whole methodology;
- Matching Process indicated by



The process is being applied in the Rosensteinviertel project, Stuttgart

**VEPS Project
(Nov. 2004- Nov. 2007)**

VEPS Project

VEPS – Virtual Environmental Planning Systems...

VEPS Project

... is an international EU research project

... is funded by InterReg IIIB



... consists of 8 partners of UK, Germany and France

... deals with the improvement of participation in planning processes using 3D Visualization for better understanding of planning information.

Rosenstein – Pilot Case Study

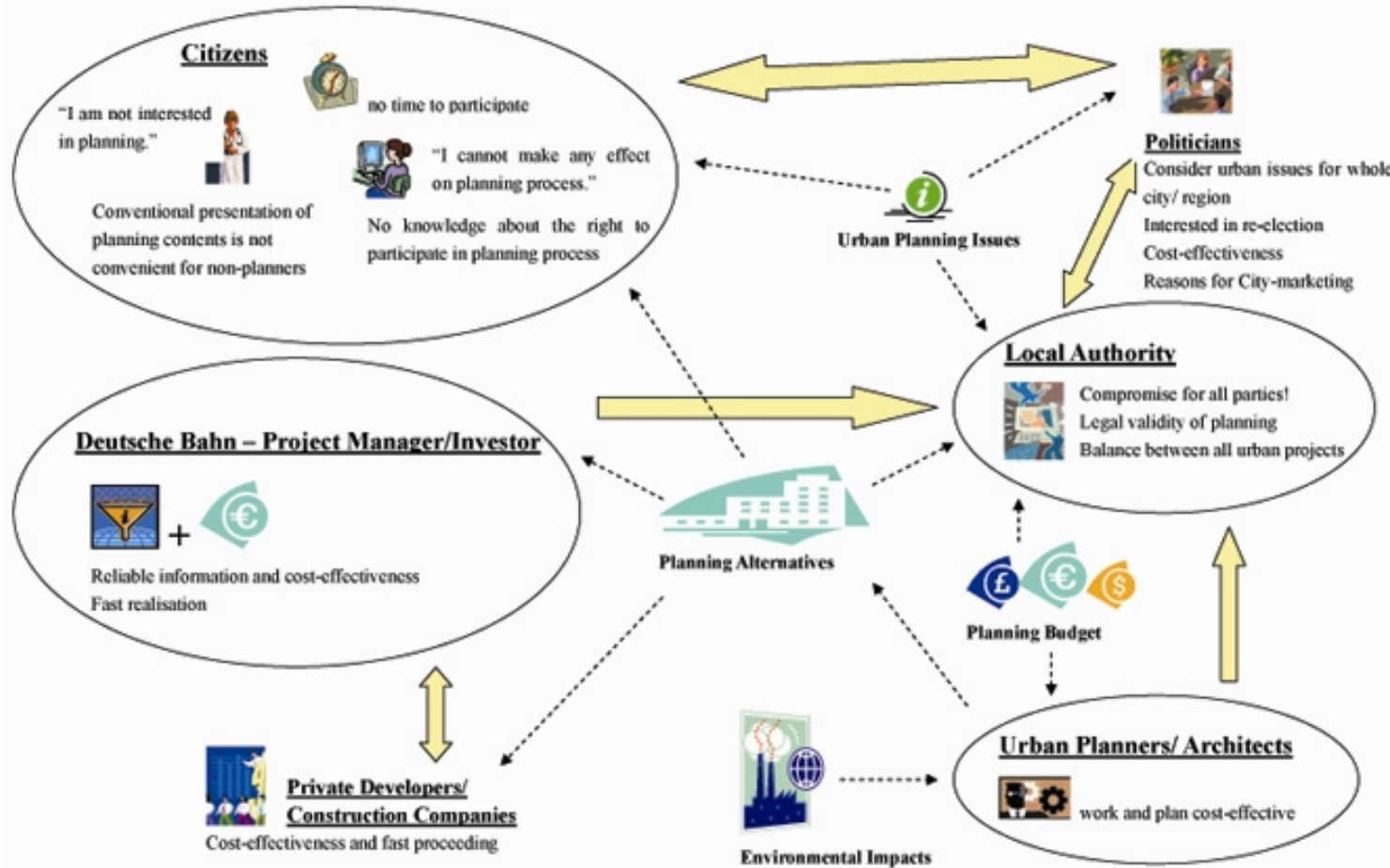


Site & Project Description

- part of Stuttgart's city centre
- consists of 170 ha of waste land, railway areas and built up areas (60 ha development area)
- part of Stuttgart 21 which will cause big changes inside the urban district:
 - from 7 000 going up to 14 000 residents
 - from 10 000 going up to above 20 000 employees
- further development based on architectural competition
(new buildings and redevelopment of residential and office areas)
- participation of residents via internet by offering different planning proposals and their environmental consequences
- asking for public opinion and suggestions

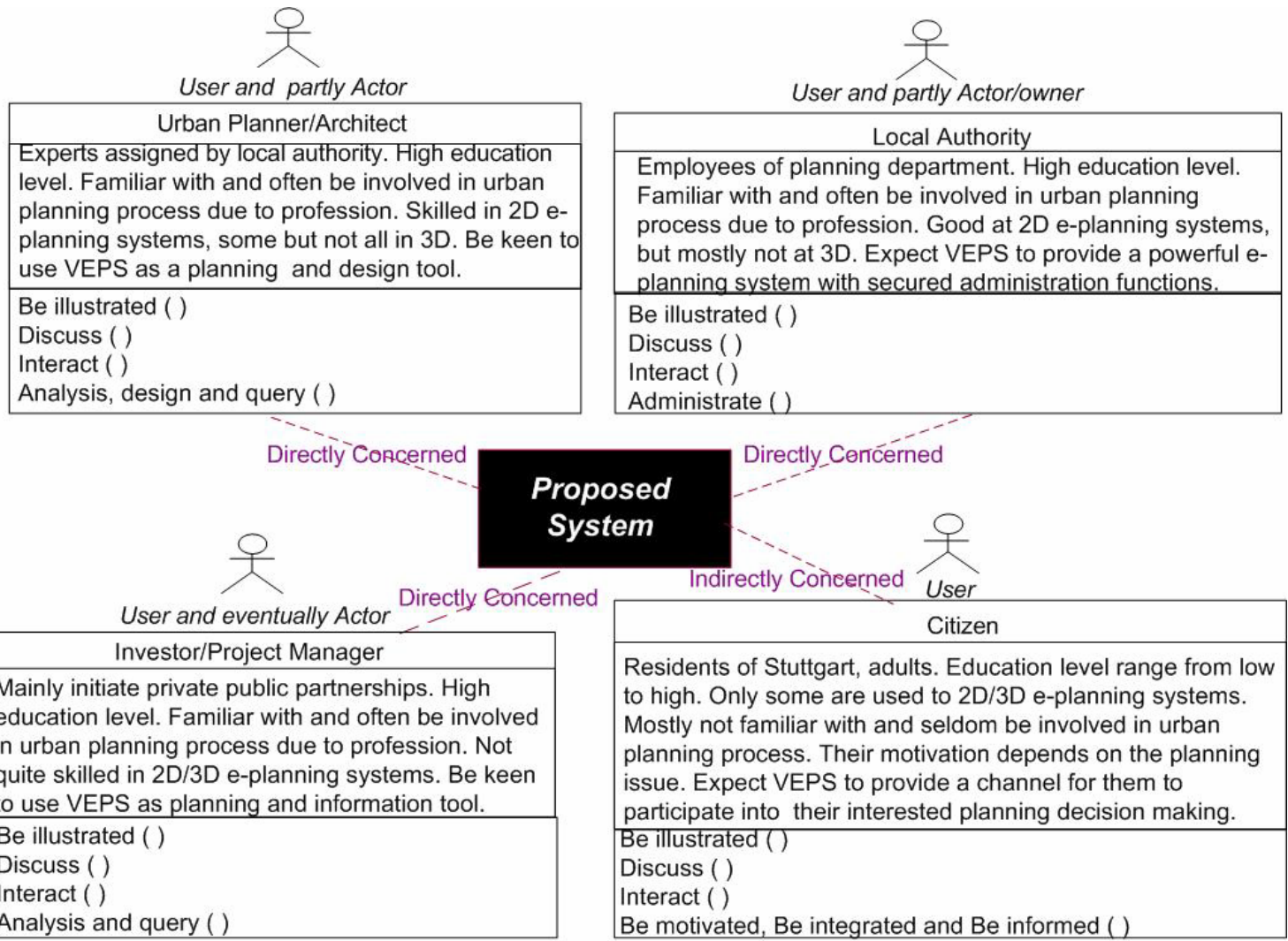
Rosenstein

Analysis: Rich Picture – Rosenstein Project



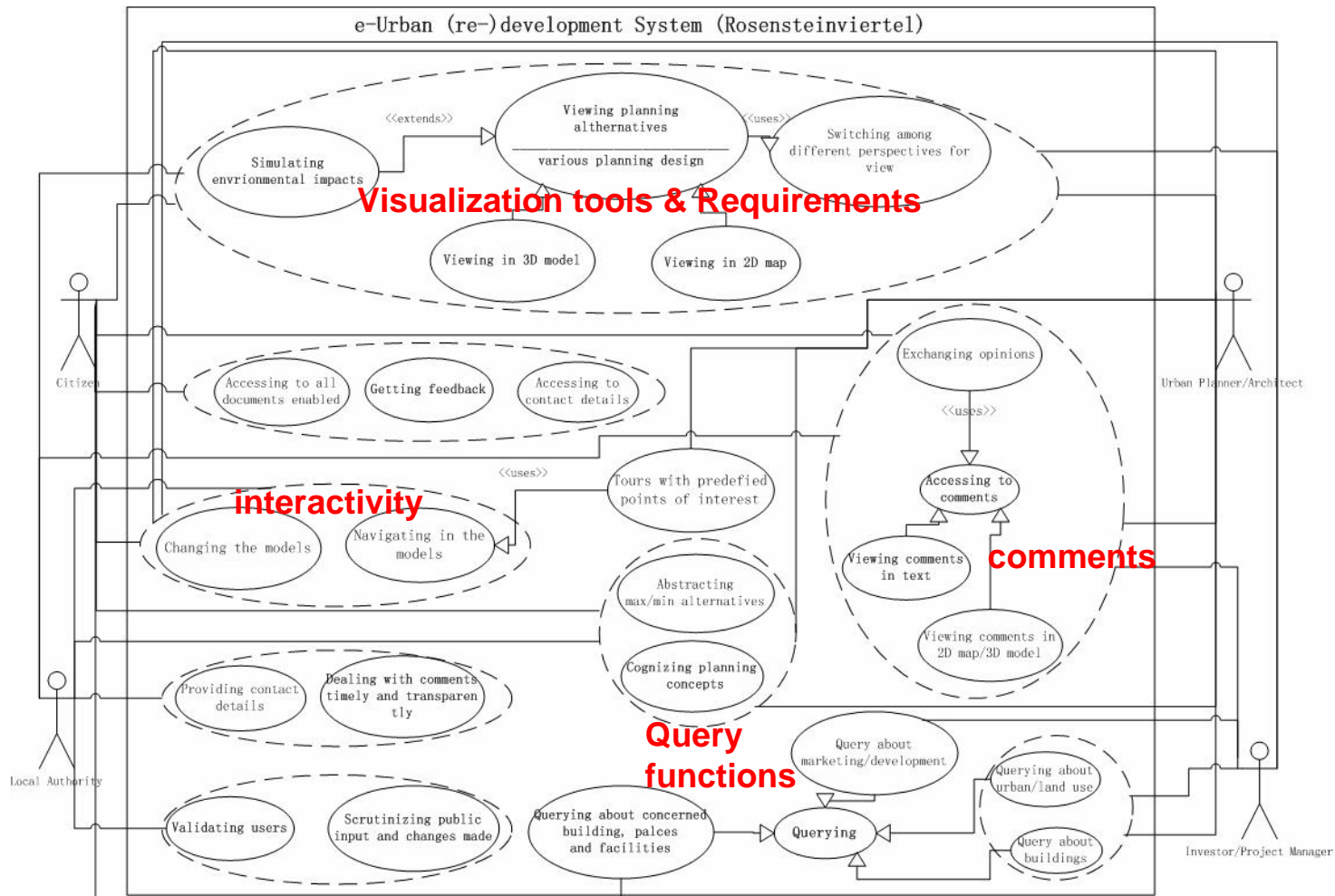
System
Documentary

Merging Process: Context Model – Rosenstein Project



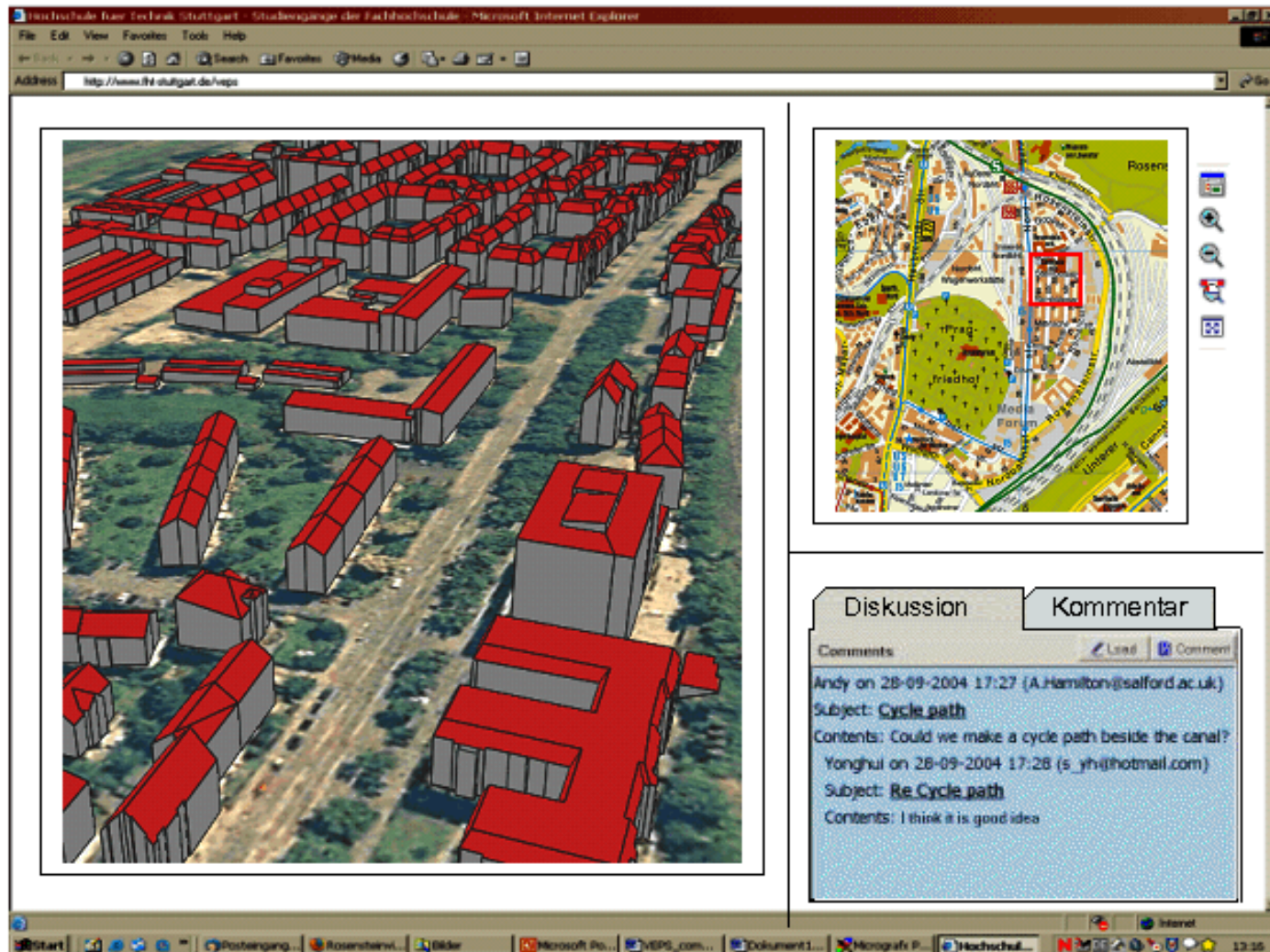
System
Documentary

Merging Process: Descriptive Model – Rosenstein Project



System
Documentary

Interactive Model (brief summary) – First Prototype Implementation



System
Documentary

Quick-Win Prototypes for Communication and 2D Functions

Virtual Planning Group in the University of Salford has developed two prototypes to realize communication and 2D functions, namely *Commenting System* and *Discussion Forum*.

(available at the URL: www.vp.salford.ac.uk/testpage)

▪ **Commenting System:-**

Allows citizens to publish their comments on an urban development for all to read in the relevant area of a map. Also, citizens could check the information of any feature on the map (e.g. building attributes, pictures, panorama images etc.) and review existing comments left by other people.

Go to see a demo

▪ **Discussion Forum:-**

Allows citizens to create their own topics or reply to other's topic in a specific discussion forum about planning issues with georeference pictures and maps.

Go to see a demo

Future Work

What will happen in VEPS *next* ?...

Future
Work

Comments Please

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