UbiPEEK

A peek into reality

Workshop D: 3D WEB AND OPEN DATA FOR SMART CITIES HACKATHON

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Starting point

3D model of 'Virtual Oulu': Where to go from here?

What is unique in Oulu?
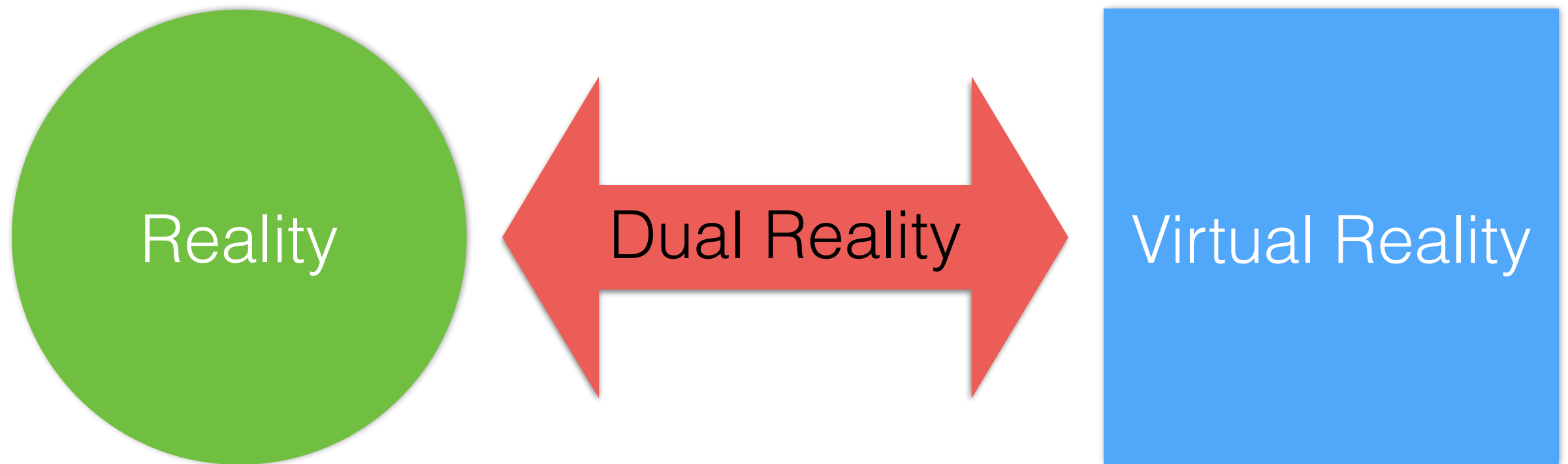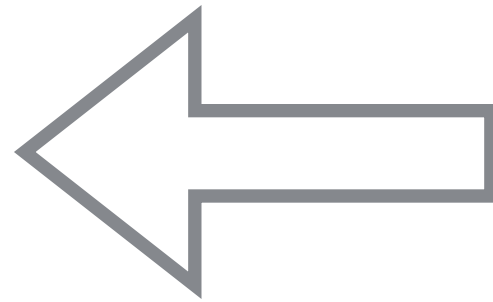
What is unique in Oulu?

UBI Hotspot

- Data about interaction, launched services …

- UBI infrastructure API

- Statistics and meta data about UBI infrastructure in Oulu

Motivation

Reality ⟷ Dual Reality ⟷ Virtual Reality

Idea: A peek into reality

Avatar

- 3rd person perspective + free camera

- Exploring 'Virtual Oulu' as in reality

- more personal experience

Hotspot location

- Placement based on geolocation meta data

Feature I

- Statistics of real UBI Hotspots via UBI infrastructure API

Feature II

- Interact with UBI Hotspot as in reality

Feature III

- Live video from UBI Hotspots in downtown Oulu

Concept overview

Statistics

UBI Hotspot Interaction

Live camera view: 'peek into reality'

Demo

Future efforts

- embed camera feed from all UBI Hotspots

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  "virtual pedestrians interact with real pedestrians"

- support virtual reality hardware for immersive experience

- ultimately: combine all Workshop D projects,

  thus merging the real and the virtual even more ('Dual Reality')

Thank you!

‘UbiPEEK’ is the outcome of a one week workshop as part of the
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hosted by the University of Oulu.