# CityInMyPocket COCASCN MeMoRi LEUVEN CityInMyPocket - WalkOnWeb seminar - 3 May 2006 The city tripper: who is he? o Intellectual and physical pleasure o Sample the atmosphere o Feeling the pulse of the city → inner enrichment CityInMyPocket - WalkOnWeb seminar - 3 May 2006 1. Before the trip "I've read a lot about it. And then all those films with New York in it. And of course the city is constantly in the news..."

### What do city trippers choose?

- o Hear, see and read
- Event or exhibition
- o Friends
- o Image

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### The need for information (before)

- o Sights and attractions
- o Local colour
- Practical things

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### The need for information (before)

The amount of information depends on the nature of the city trip

- → the time you have
- → how many times you've already visited the city
- → personal interests

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## 2. During the trip "Sometimes they are too voluminous" CityInMyPocket - WalkOnWeb seminar - 3 May 2006 The need for information (during) o What to visit?: Personal interests Attraction itself Mobility Time • The 'optimum' time The weather Entrance fee CityInMyPocket - WalkOnWeb seminar - 3 May 2006 The need for information (during) o Average visitor = fast info o Day's schedule not always stringent o The ideal route doesn't exist o Active and passive attitude o 'Guide' or 'shepherd' CityInMyPocket - WalkOnWeb seminar - 3 May 2006

### The ideal guide

- o Global picture
- o Big stories and the 'petites histoires'
- o Local colour
- Enthusiastic
- o Imagine oneself
  - → unique and delightful experience

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### 3. After the trip

"The guidebooks are on the bookshelf. If you spot them, all the memories come back."

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### Souvenirs (after)

- o Guidebook= tangible souvenir
- o From shoebox to real diary
- o Diaries on the net





# 4. The digital city guide "Kut dadde in e normoale vrouwesjakosse?"

### Digital city guide

- High expectations
- Added value
- o Physical and psychical thresholds
- o Confidence and trustworthy
- o Supposed compelling character

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### 5. De digitale wandelgids

"A book has its charm, but such an electronic thing can do a lot more."

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### Conclusions & recommendations

- City perception
- Local colour
- Big stories and 'petites histoires'
- o Create a good atmosphere
- o Multi-stage information
- Random access
- o Familiar interaction model

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### Conclusions & recommendations

- Convincing look-'n-feel user interface
- o Profile and preferences
- o Clusters
- o 'Guide' or 'shepherd'
- Practical and up-to-date info + preferential treatment

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### Overview

- Concept
  - Points of interest
  - Walks
  - Events
  - Plan your trip
  - Мар
- Map application prototype
  - Data preparation
  - Features
  - SVG

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### Concept – Points of interest

- Information
  - Historical buildings
  - Restaurants
  - Shopping areas
- $\,\circ\,$  Icon on the map
  - Name, picture, address
- Short information
- o Detailed information
- o Multimedia: pictures, text, audio
- o Routing: TomTom/Alturion

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### Concept - Walks

- o Information
  - Length
  - Duration
- Short information
- o Different walks
  - Historical walk
  - Thematic walk
- o Line on the map
- Different stops along the routeWith short and detailed information
  - Multimedia (video)
- o Routing

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### Concept - Events

- Information
  - Address
  - Name
  - Date/time
- o Icons on the map
- o Alerts?
- o Short & detailed information

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### Concept – Plan your trip

- Information
  - Points of interest
  - Marked points
  - Walks
- o Can change order
- o Suggestions
  - Manual
  - Future: based on user profile

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### Concept - Map

- Information
  - Map layers
  - Points of interest
  - Walks
  - Location information
    - Location
    - o Track

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### Data preparation

- o GIS data
  - Shape to SVG
  - Many layers for streets
  - o Need only 2 layers
  - XSLT transformation

    - Minimize file size
       Integrate Points of Interest
  - Add data manually
    - o Parcs
    - o Marketplaces
    - Walking paths

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### Data preparation

### o POI/Walks

- Extended GPX
- GPX = XML for waypoints
- GPX to SVG
- GPX as data for application

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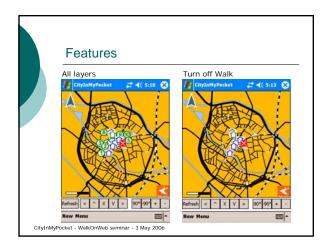
### Overzicht

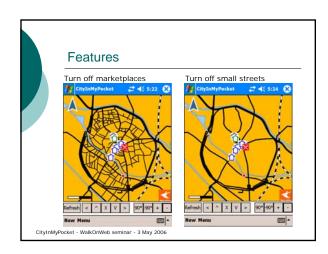
- Concept
  - Points of interest
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  - Map

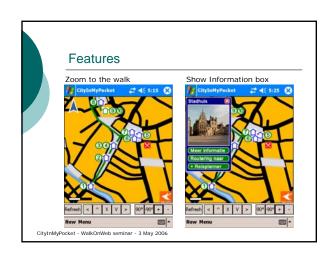
### Map application prototype

- Data preparation
- Features
- SVG

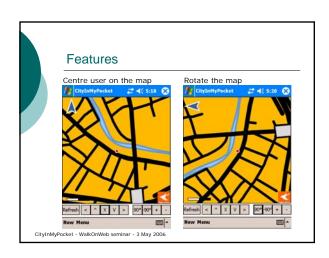
# Features • Map • Interactive • Zooming • Panning • Centre user • Infolabels • Streetlabels • Layer visibility • Rotate • Level of detail • Points of interest • GPS for location • Track • Routing to any point • Mark points on the map (hotel)











### Features

- Information
  - Short <-> detailed
  - Audio, video, foto and text
  - Walks
  - Points of interest
    - $\circ \ \, \text{Tourist attractions}$
    - Restaurants
    - Parcs
  - Stories, local culture
  - Events

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### Overzicht

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### SVG

- o Scalable Vector Graphics
  - Web Standard
  - 2D graphics
  - GIS also vector format
- Currently
  - eSVG for PocketPC
  - No alternatives for PDA
  - Limited functionality
  - Unstable

# SVG o Visual Studio 2005 & MFC/C++ o C# and .Net CF not possible o MFC more complex Documentation not optimal o Future o Renesis? o More support for mobile phones and smartphones o Support for webbrowsers (desktop) Conjumpfunded - Modecondute summar - 1 May 2006 More info