Combining everyday cycling and leisure: complimentary or challenging?

EuroVelo 6 route and greenway "Rákos-stream" in Budapest

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1 Introduction: Hungary

- Located in Central-Eastern-Europe
- Population: 10 million people
- Member of EU, NATO, OECD, IMF, WHO
- Capital: Budapest
- Urban population: 70%
1 | Introduction: Budapest

- 525 km²
- 1,7 million inhabitants + 0,7 million daily commuters
- 4 700 000 trips per workday
- 100 000 trips by bike per workday (daily av.)
- 2 000 trips by bike sharing per workday (daily av.)

MODAL SPLIT
figures with the current and estimated values

| 2014 | PUBLIC TRANSPORT | 45% |
| 2014 | PASSENGER CAR TRANSPORT | 35% |
| 2014 | WALKING | 18% |
| 2014 | CYCLING | 2% |
| 2030 | PUBLIC TRANSPORT | 50% |
| 2030 | PASSENGER CAR TRANSPORT | 20% |
| 2030 | WALKING | 20% |
| 2030 | CYCLING | 10% |

[Balázs Mór Plan (Budapest Mobility Plan), 2014]
Overview
2 | Overview: traffic counter data

SUNDAY = WORKDAYS

EcoCounter
3 | **EuroVelo 6**

- Diagonal route
3 | EuroVelo 6: challenges and solutions

Challenges

• Narrow corridor surrounded by hills and the Danube river
• High volume of traffic is saturated in this corridor
• Walking and cycling on common surfaces

Solutions

• Segregate commuting and leisure cycling
• Encourage co-working of leisure cycling and walking
3 | EuroVelo 6

Heritage of 1990’s: common surface for tourists, walking, cycling
3 | EuroVelo 6

Solution: cycle lane for commuter cyclists on the parallel street
3 | **EuroVelo 6**

Solution: encourage co-working of walking and leisure cycling
Solution: segregate walking and cycling, no need for crossing tramway
3 | EuroVelo 6

✓ Solution: segregate walking and cycling
3 | EuroVelo 6

Solution: Segregate walking and cycling, cycle track crosses tramway
3 | EuroVelo 6

Not realistic
Greenway "Rákos-stream"

- Different role of the route in the urban structure
- Commuting along radial direction
- Leisure cycling along traverse direction
- Junctions
4 | **Greenway**
"Rákos-stream"

- high population density
- urban greenway
- low population density
- classic greenway
4 | Greenway "Rákos-stream"

High demand for different purposes
4 | Greenway "Rákos-stream"

Junctions: commuting traffic (radial) and leisure cycling (traverse) meet
4 | **Greenway "Rákos-stream"**

Current situation: environmentally protected area
Greenway "Rákos-stream"

Current situation: overused and packed on weekends
4 | Greenway "Rákos-stream": Challenges and solutions

Challenges

• A narrow cycle track used by leisure cycling, commuting, walking, nordic walking, running, roller skating, (horse riding)
• Junctions: commuting traffic (radial) and leisure cycling (traverse) meet

Solutions

• Deployment of „urban greenway“ – not a linear park anymore, embedded in the urban structure with more functions
• Segregate walking and cycling
• Planned solution in environmentally protected area: classic greenway, environmental friendly pavement
• Based on studies planning is scheduled to start this year
4 | **Greenway "Rákos-stream"**

Studies: urban greenway
4 | Greenway "Rákos-stream"

Connection to EuroVelo 6
5 | **Keynotes**

- Complex approach including urban planning and landscape architecture
- EuroVelo: commuter cyclists prefer sightseeing route despite time losing
- Rákos-stream: deployment of "urban greenway" sections
Thank you for your kind attention!

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