

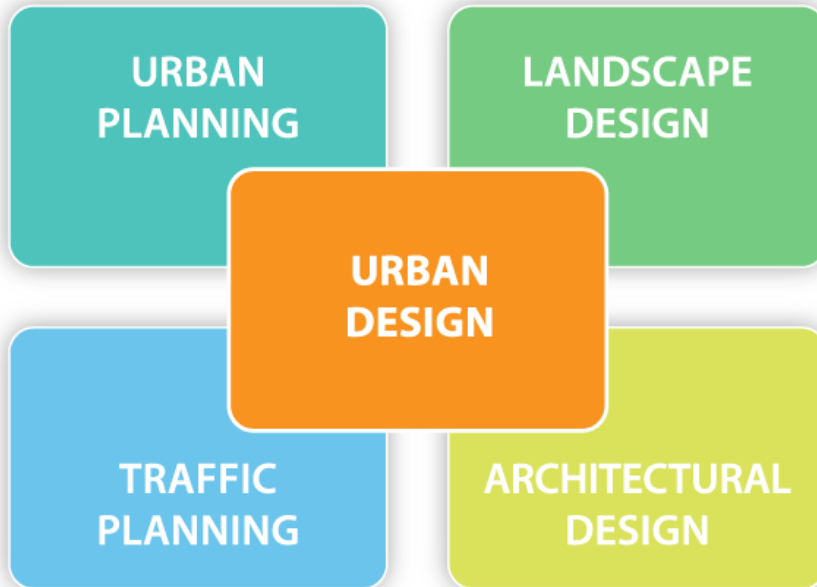
 2. Internationaler STADTKANALKONGRESS 22.23.  
September 2023 Kulturwerkstatt Auf AEG,  
Nürnberg

# EXTENSION OF CAR-FREE AREAS IN LJUBLJANA CITY CENTRE 2012/22

prof. Janez Koželj, MArch

INNER CITY RING FOR REORDERING INBOUND TRAFFIC  
STEP-BY-STEP CONSECUTIVE: CLOSING, RESTRICTING,  
REARRANGING, GREENING  
NEGOTIATING COMPENSATIONS / SUBSTITUTION  
TESTING + ADAPTING MEASURES

# INTEGRATING DISCIPLINE = BENEFITS OF URBAN DESIGN



Enhances economic productivity + living affordability

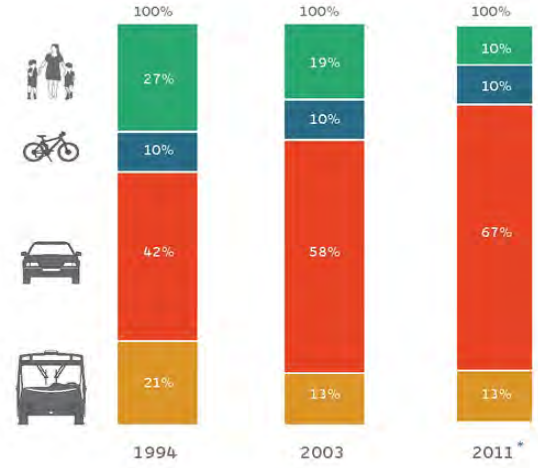
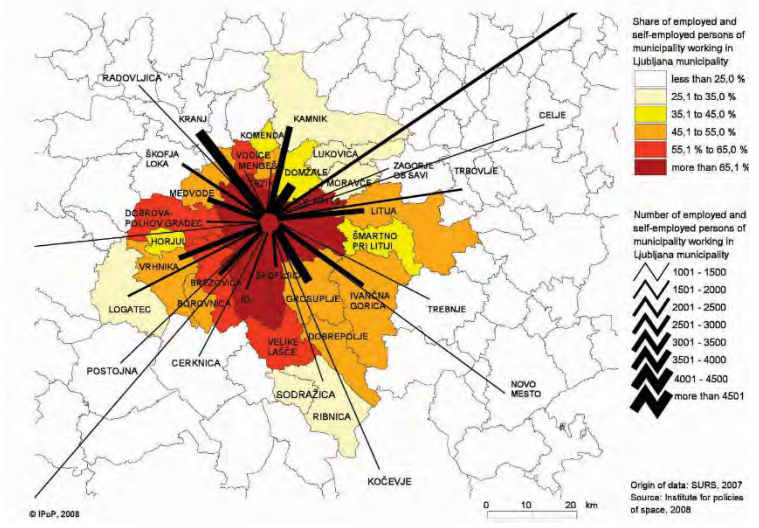
Fosters environmental responsibility



Demonstrates leadership + integrates design excellence

Cultivates healthy, cohesive + inclusive communities

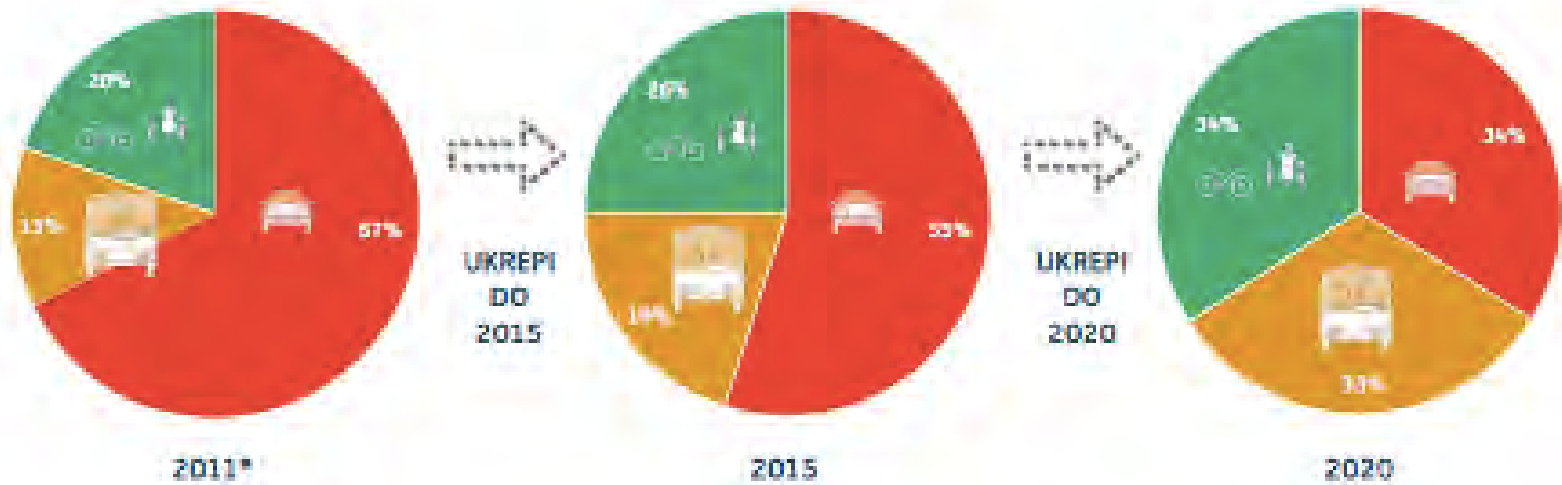
# CRITICAL TRAFFIC SITUATION : NEGATIVE TRENDS IN MODAL SPLIT



110.000 car commuters every day!

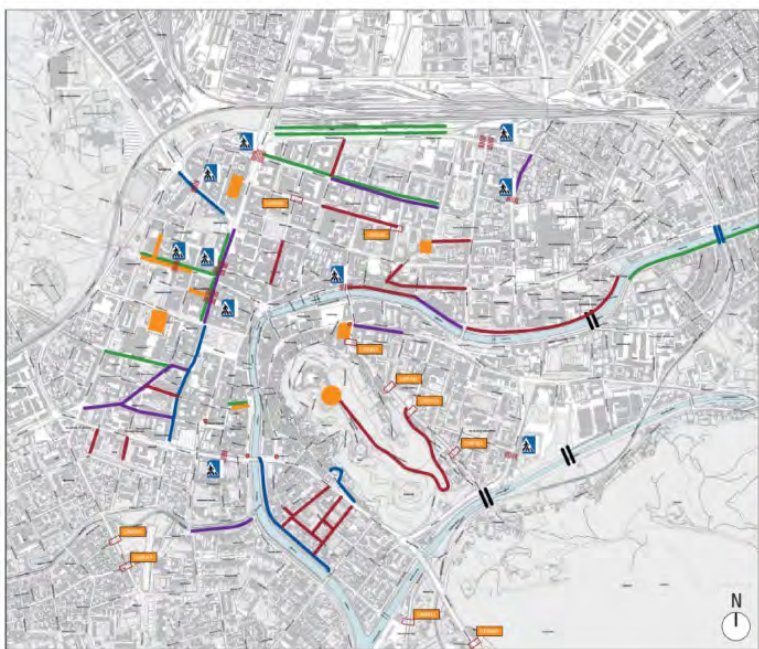
Personal car usage increased by 60% in 20 years!

# SUMP 2012: THE MAIN GOAL TO BALANCE MODAL SPLIT IN 33% SHARES TO 2020.

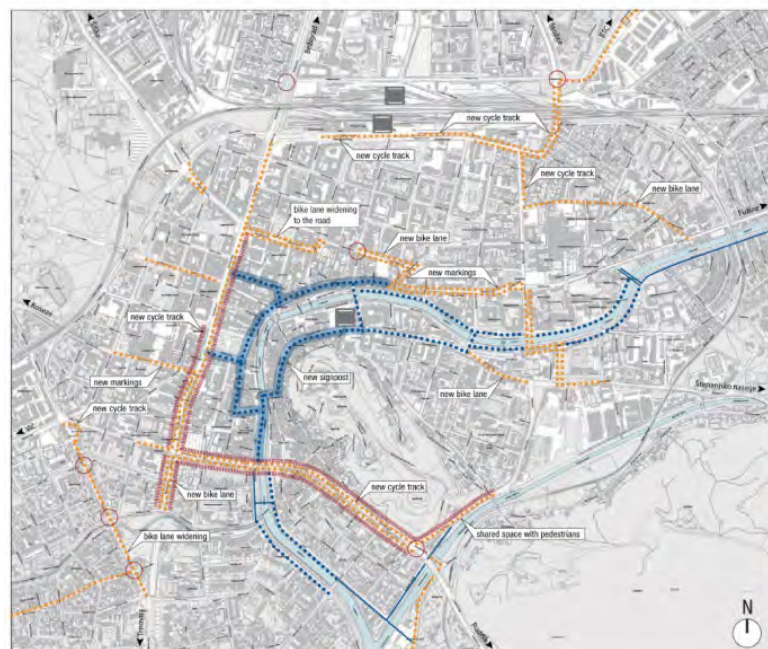


- Increasing share of walking by 20%
- Increasing share of cycling by 40%
- Increasing share of public transport by 50%
- Decreasing share of driving cars by 20%

# SUSTAINABLE URBAN MOBILITY PLAN 2012



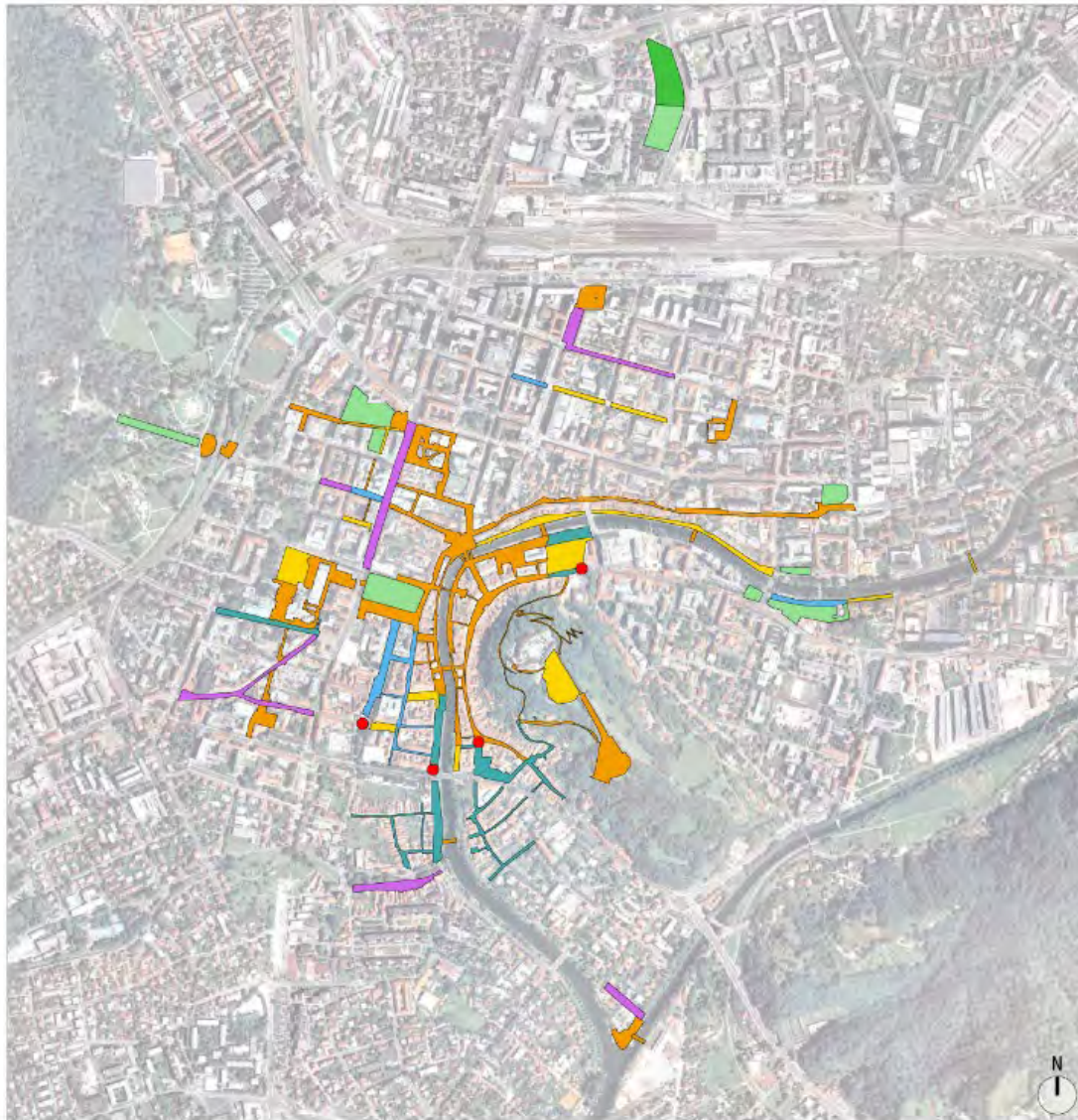
LJUBLJANA CITY CENTRE MUNICIPAL TRAFFIC PLAN  
PEDESTRIAN NETWORK PLAN 2015



LJUBLJANA CITY CENTRE MUNICIPAL TRAFFIC PLAN  
CYCLING NETWORK PLAN 2015

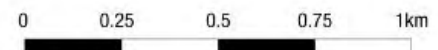


# CITY CENTRE PEDESTRIANIZATION PLAN 2012



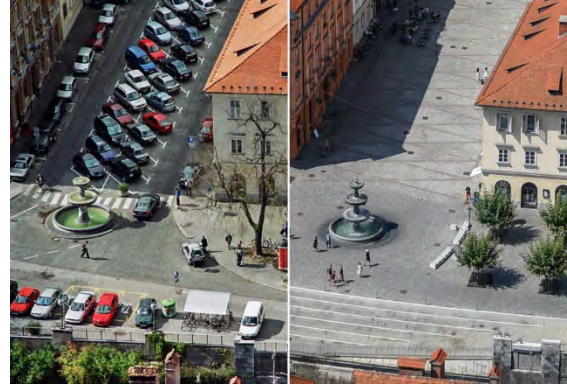
## LJUBLJANA PUBLIC SPACE REARRANGEMENTS

- Existing Car-free Pedestrian Area
- New Car-free Pedestrian Area
- Existing Car-limited Pedestrian Area
- New Car-limited Pedestrian Area
- Shared Space Traffic Calming Area
- Existing parks
- New parks
- Delivery spots





# BEFORE- AFTER







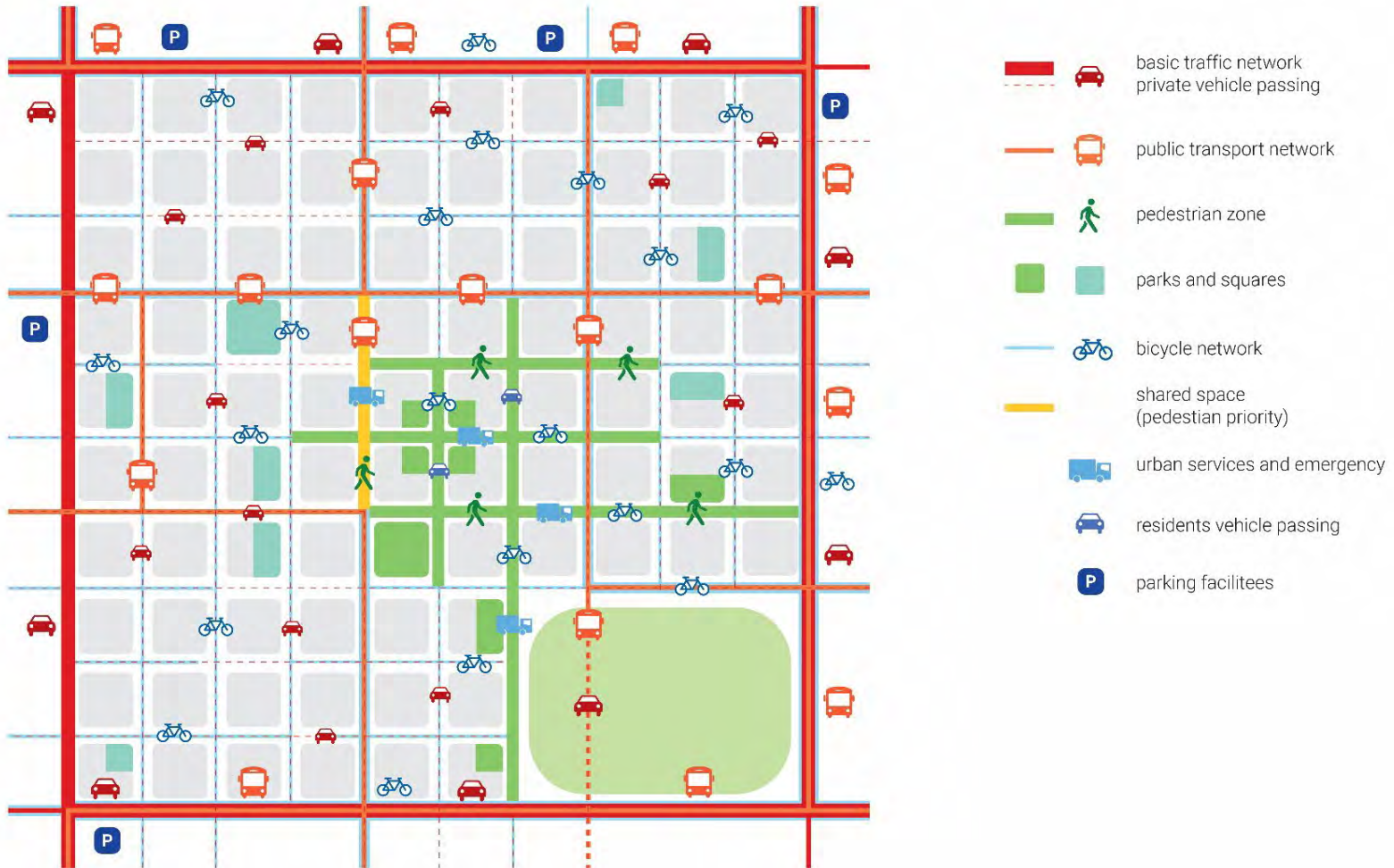
FABIANI BRIDGE BINDING THE INNER RING ROAD PHOTO:KAMBIČ ©



MIXED-USE GARAGES AROUND THE INNER RING ROAD



# THE ECOZONE MODEL



# NEW INFRASTRUCTURE+PAVEMENT+ EQUIPMENT





# SQUARES SHARED FOR PEDESTRIANS & CYCLISTS





# CAR-FREE STREETS + EMBANKMENTS - CONTINUAL SHARED SPACE









# PLAN OF BRIDGING PEDESTRIANIZED RIVERBANKS



LJUBLJANA CITY CENTRE  
BRIDGES AND EMBANKMENTS

- PLANNED
- BUILT / UNDER CONSTRUCTION





# NEW BRIDGES + FOOTBRIDGES



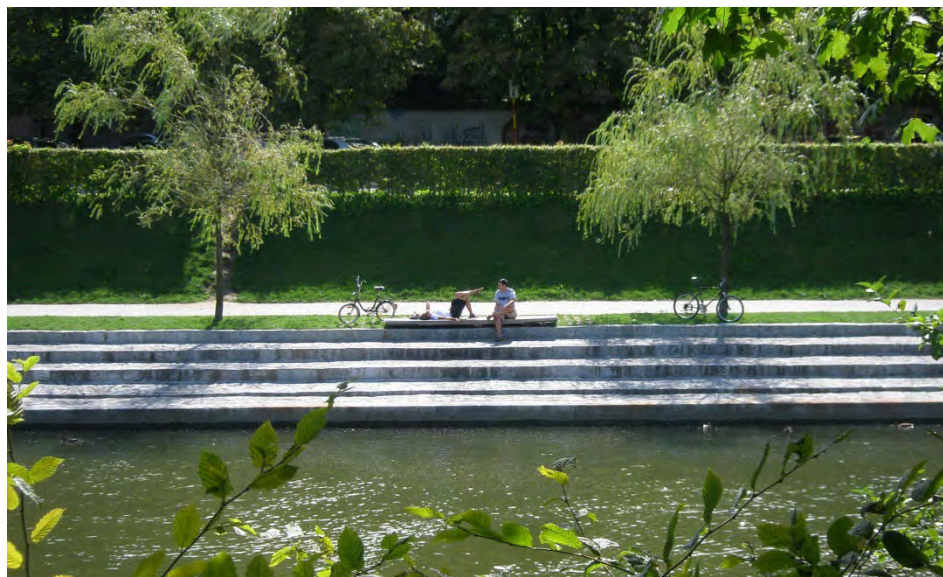
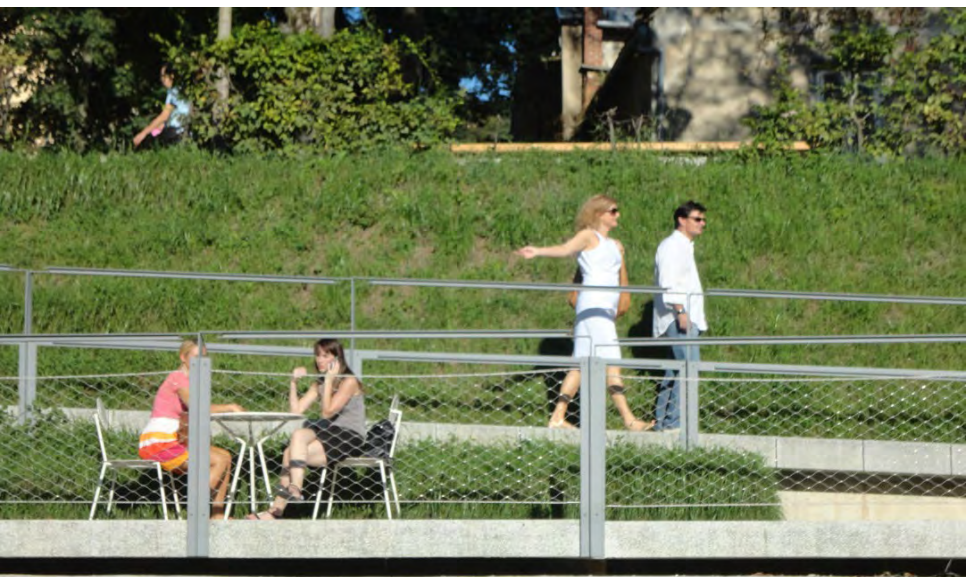


# MULTIUSED RIVERBANKS





# RIVER PARK + PROMENADES





# RESTRICTED ZONE COMPENSATIONS



AFFORDABLE CENTRAL PARKING,  
TRANSPORTATION+SMALL LOGISTICS FOR FREE  
ON DEMAND

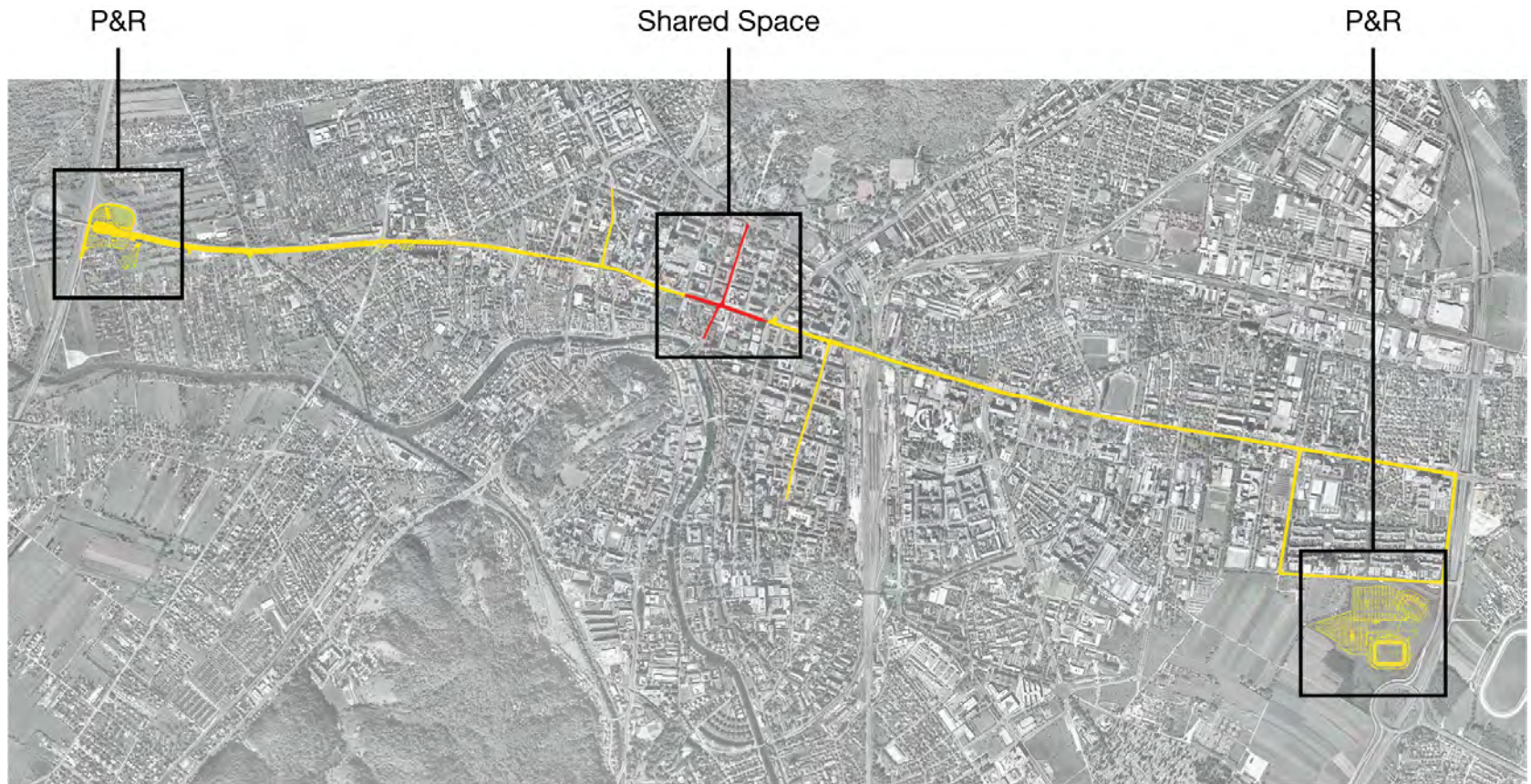


# RIVER NAVIGATION INFRASTRUCTURE





# SLOVENSKA CESTA CONVERSION – CENTRAL PART OF LJUBLJANA'S LONGEST MAIN ROAD 2008-16





# THE MAIN STREET = A CUT-TROUGH TRAFFIC CORRIDOR ?



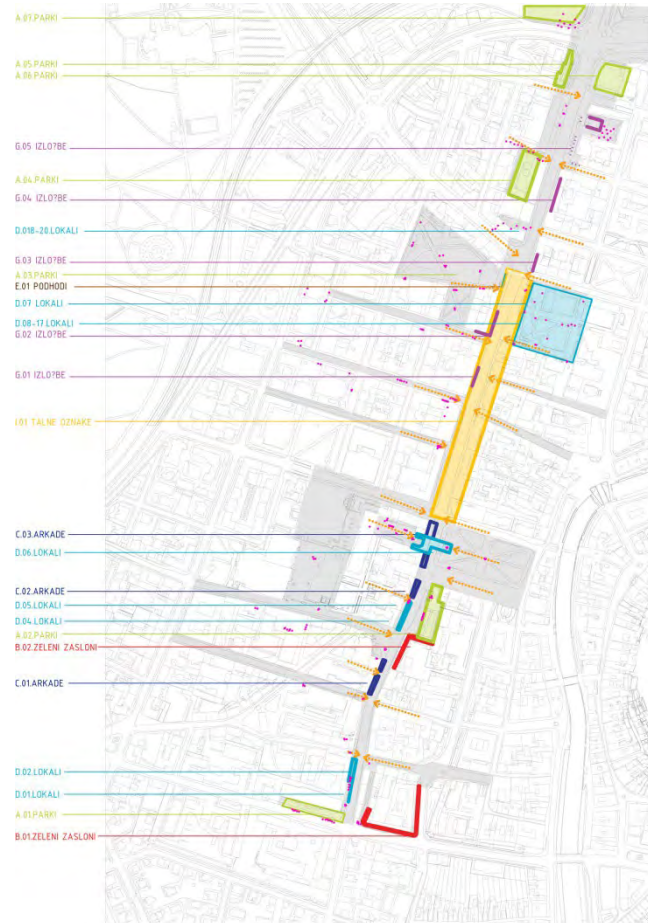


# HINDERED SPACE FOR WALKING & BICYCLING





# TEMPORAL SMALL RE-ARRANGEMENTS 2008-10



PROJECT TEAM: PROSTORORŽ, PAZIPARK, 2008



# OCCASIONAL MASSMEETING & EVENTS





# OP-ART EXPERIMENTING



# PRECONDITION: NEW HIGHWAY CONNECTION+ INNER CITY RING COMPLETION





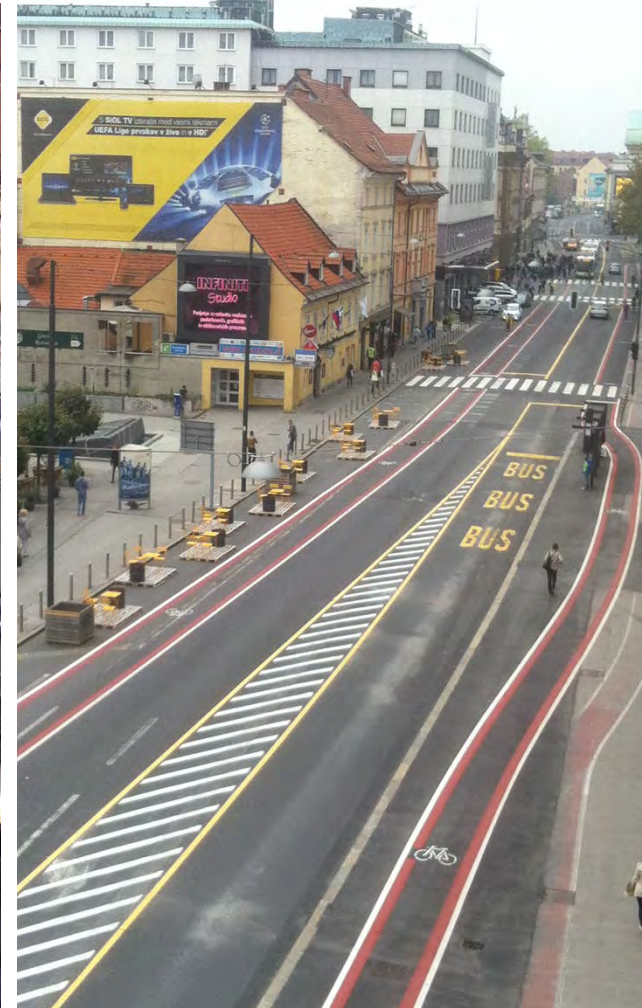
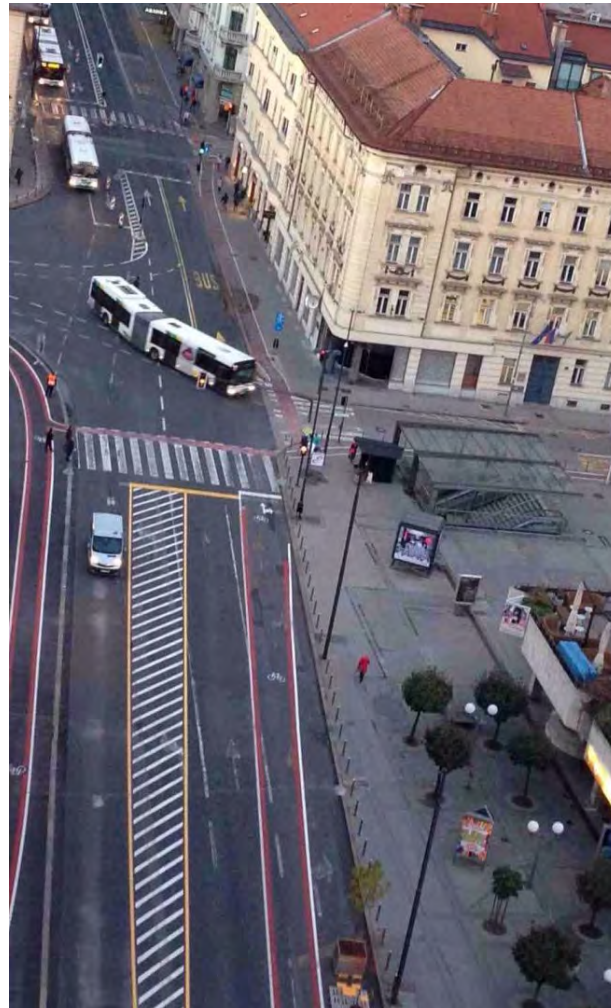


# TEMPORARY REARRANGEMENTS + CAMPAIGNES



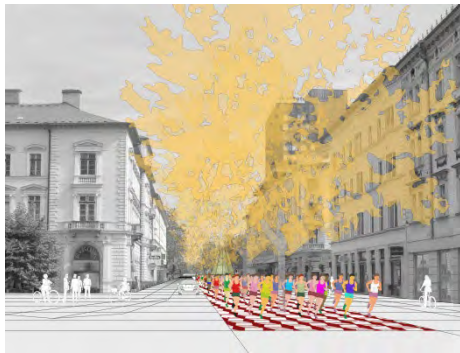


# PROVISIONAL CLOSING TO TROUGH TRAFFIC 2013-15





# ENGAGING=BRAIN STORMING=TEAM WORKING



PROJECT TEAM: SCAPELAB ARCH., SADAR&VUGA ARCH., DEKLEVA&GREGORIČ ARCH., 2 K ARCH., ET AL., 2015



# GREENING+FURNISHING



# SHARING THE WHOLE STREET













# SHARED SPACE = COHABITATION OF DIFFERENT TRANSPORTATION MEANS + PUBLIC SPACE USES

- Shared occupancy of the spaces – the pre-condition the city could transform into more flexible structure, more efficient multipurpose system and more liveable place.
- Shared public space - a new form of a dynamic, selfregulated place which supports negotiating temporary uses of streets.
- Shared space - testing ground for experiencing an interactive behaviour of pedestrians, bicyclists and drivers that enables the coexistence between different traffic modes and means in the city.
- Shared space - the concept that brings people on the streets together, where the city community is growing more responsible, tolerant and sensitive.

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# SHARING IS SUSTAINABLE!

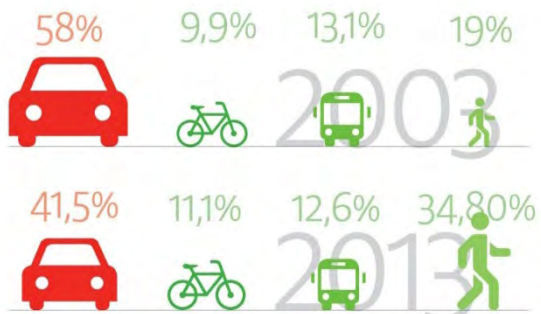
- Sustainable city - an integrated sharing system where the cars are shared, the services are shared, the workplaces are shared, the streets are shared, multitasking, coworking, and crowdfunding are practiced, and economy, entrepreneurship, and ownership are shared as well.
- Sharing the city is becoming a general concept in making the city more viable and more durable.
- Sharing spaces is closely linked with mixing uses, which is one of the basic objectives of future city management.
- Managing the dynamic traffic situation on the loose regulated shared space is possible when people are skilled in negotiating by performing non-verbal communication.
- Shared space is one of the most significant parts of the sustainable urban mobility measures which could be implemented in all areas of the city where motor traffic is calmed not only in the inner city but also in the residential areas.





# MODAL SPLIT - PURITY+CLEANLINES

Numbeo Data Base



Glavni dijelovi načina putovanja



# 2025

Air quality	61.36	High
Drinking Water Quality and Accessibility	94.44	Very High
Garbage Disposal Satisfaction	76.39	High
Clean and Tidy	79.17	High
Quiet and Noise Problem with Night Lights	43.06	Moderate
Water Quality	77.78	High
Comfortable to Spend Time in the City	81.25	Very High
Quality of Green and Parks	80.88	Very High

# AIR QUALITY IMPROVEMENT TRENDS

Steadily decreasing concentrations of the common traffic pollutants!

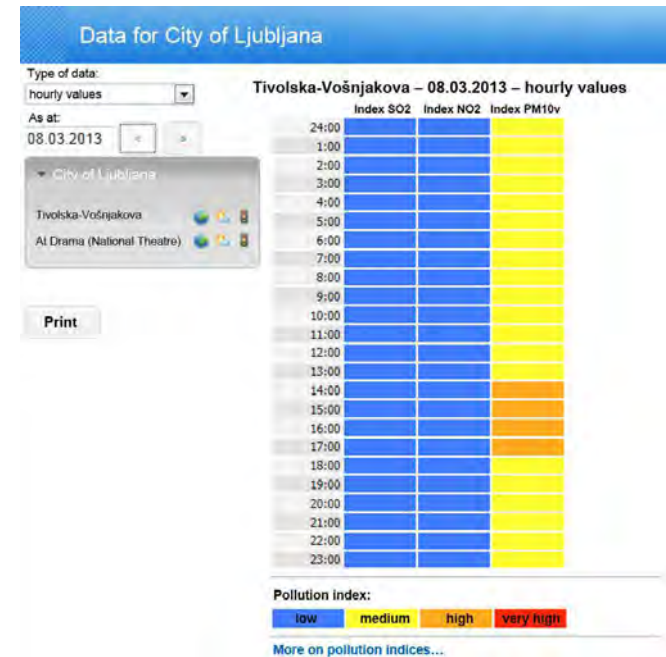
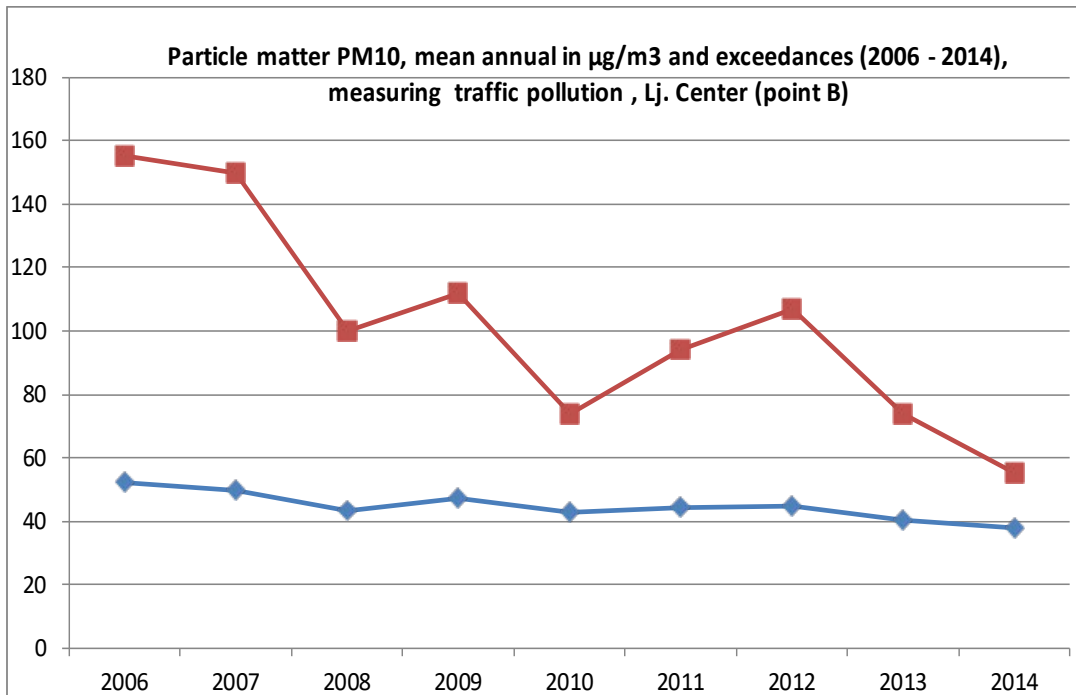
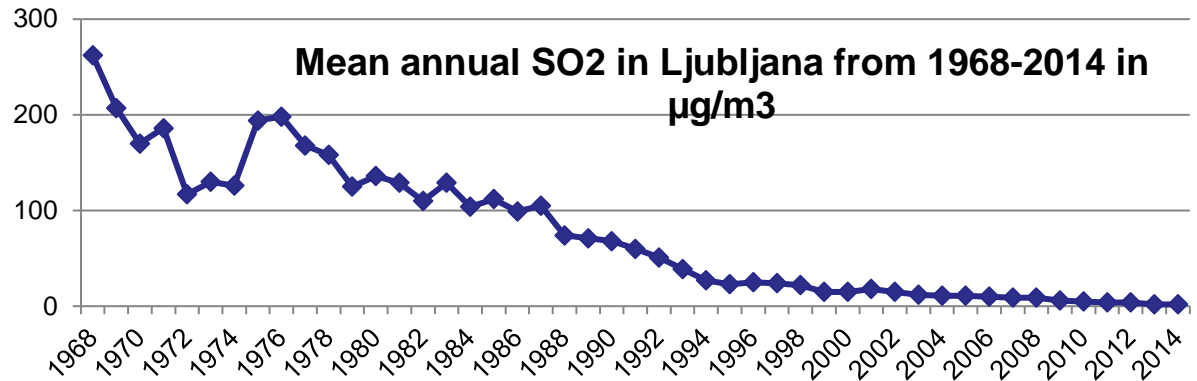






FOTO WEDAM

Thank you for your attention!