



“Streets for Kids”

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IZOBRAŽEVANJE
ZA TRAJNOSTNO
MOBILNOST



EVROPSKA UNIJA
KOHEZIJSKI SKLAD



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA INFRASTRUKTURO

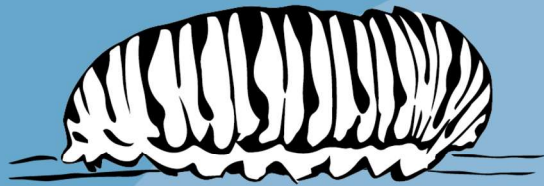


SLOVENSKA
PLATFORMA
ZA TRAJNOSTNO
MOBILNOST

Projekt sofinancirata Republika Slovenija,
Ministrstvo za infrastrukturo in Evropska
unija iz Kohezijskega sklada

MONSTER CATERPILLAR

QUANTITATIVE GROWTH



bigger,
faster, heavier, ...
more of the same



BUTTERFLY

QUALITATIVE LEAP



complex, versatile,
unexpected, graceful, ...
qualitative metamorphosis

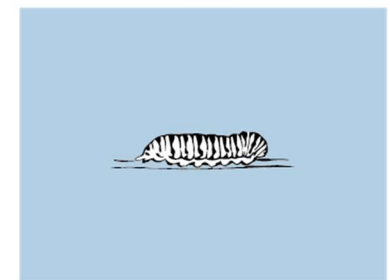
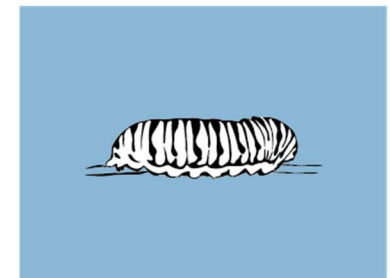
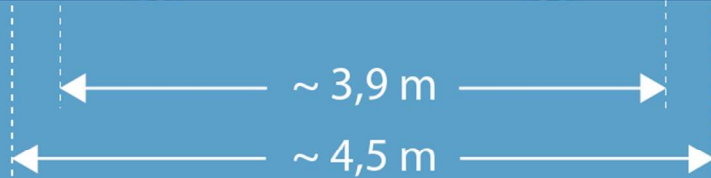
QUANTITATIVE growth



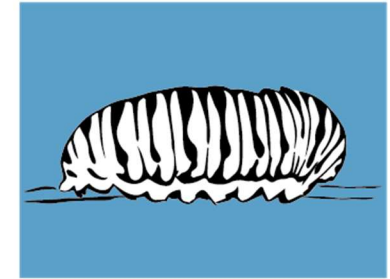
~ 3,9 m



QUANTITATIVE growth



QUANTITATIVE growth



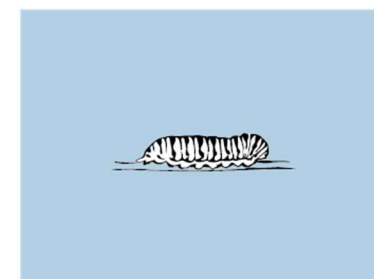
QUANTITATIVE growth



QUANTITATIVE growth



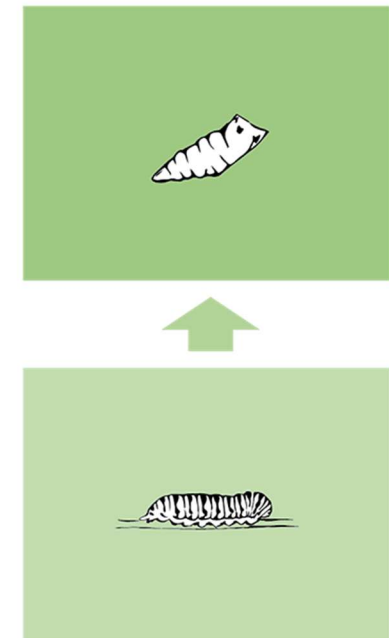
QUANTITATIVE growth



QUALITATIVE Metamorphosis



QUALITATIVE Metamorphosis



QUALITATIVE Metamorphosis



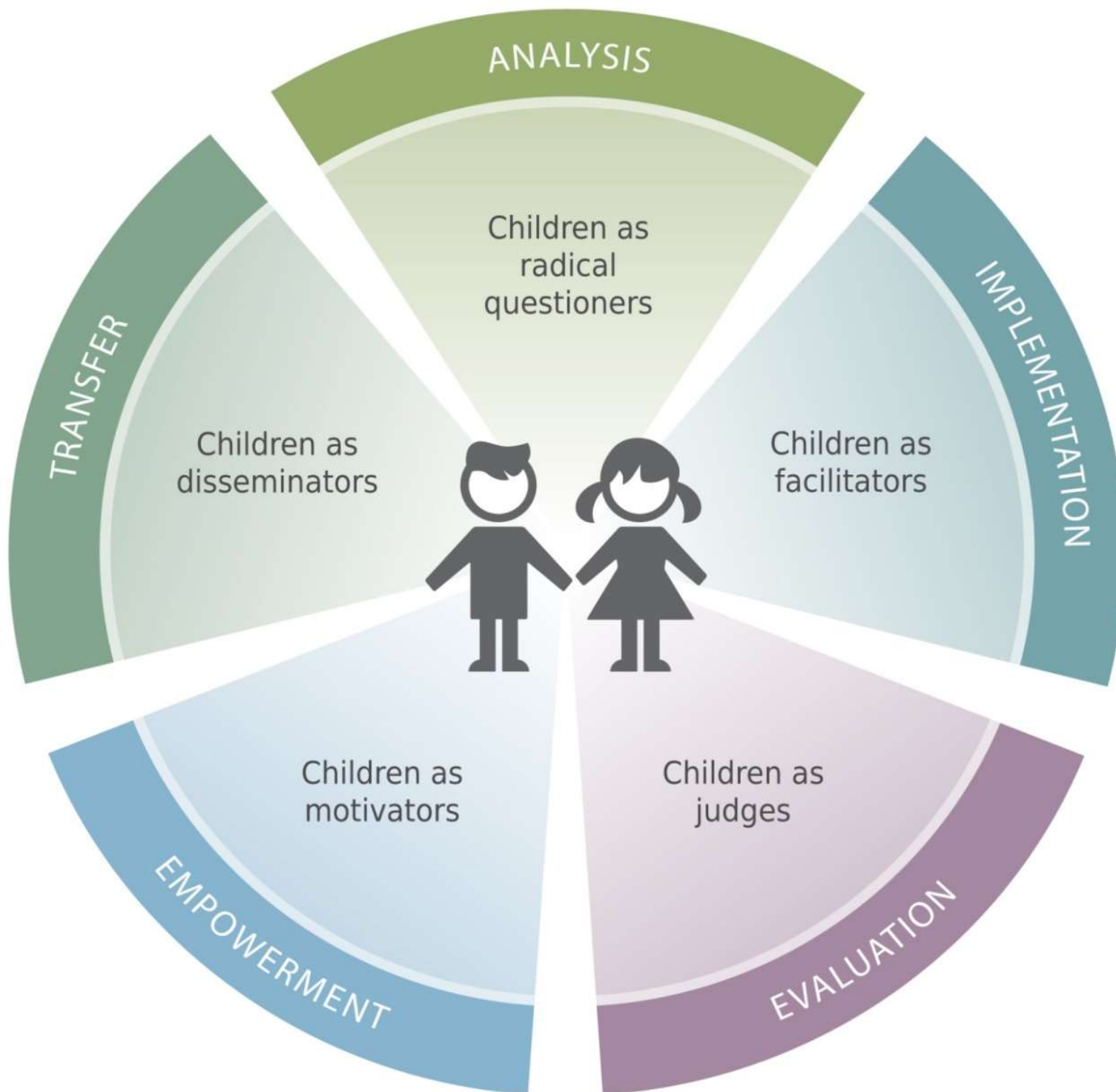


We have accepted that...

- Children have disappeared from City streets
- Children are banned to "reservates" called playgrounds to play safe
- ...Yet 24/7 allowance for car traffic, even in front of schools and kindergardens
- > 90% of the space for stationary traffic is reserved for parked cars
- Traffic rules are mainly designed for the requirements of car traffic
- That cars are a big source of danger for our children

The Scooter....my tool to explore the streets in the 60's



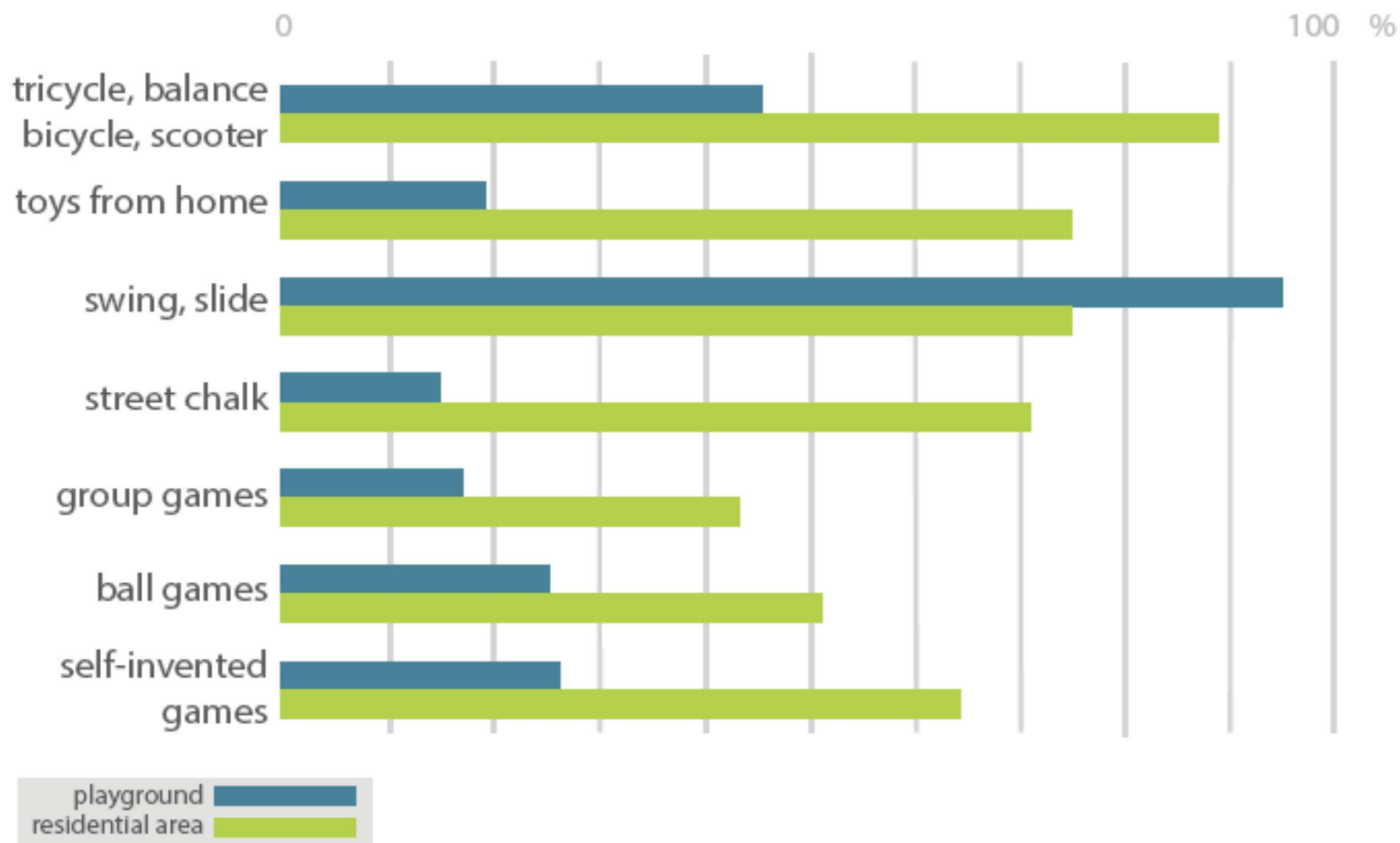


“The simplest indicator for the living quality in a city, is the number of children in the streets” Jahn Gehl



Freiburg (DE): 201 Home Zones
Catalogue of inspiring activities

Where and what do children prefer to play?

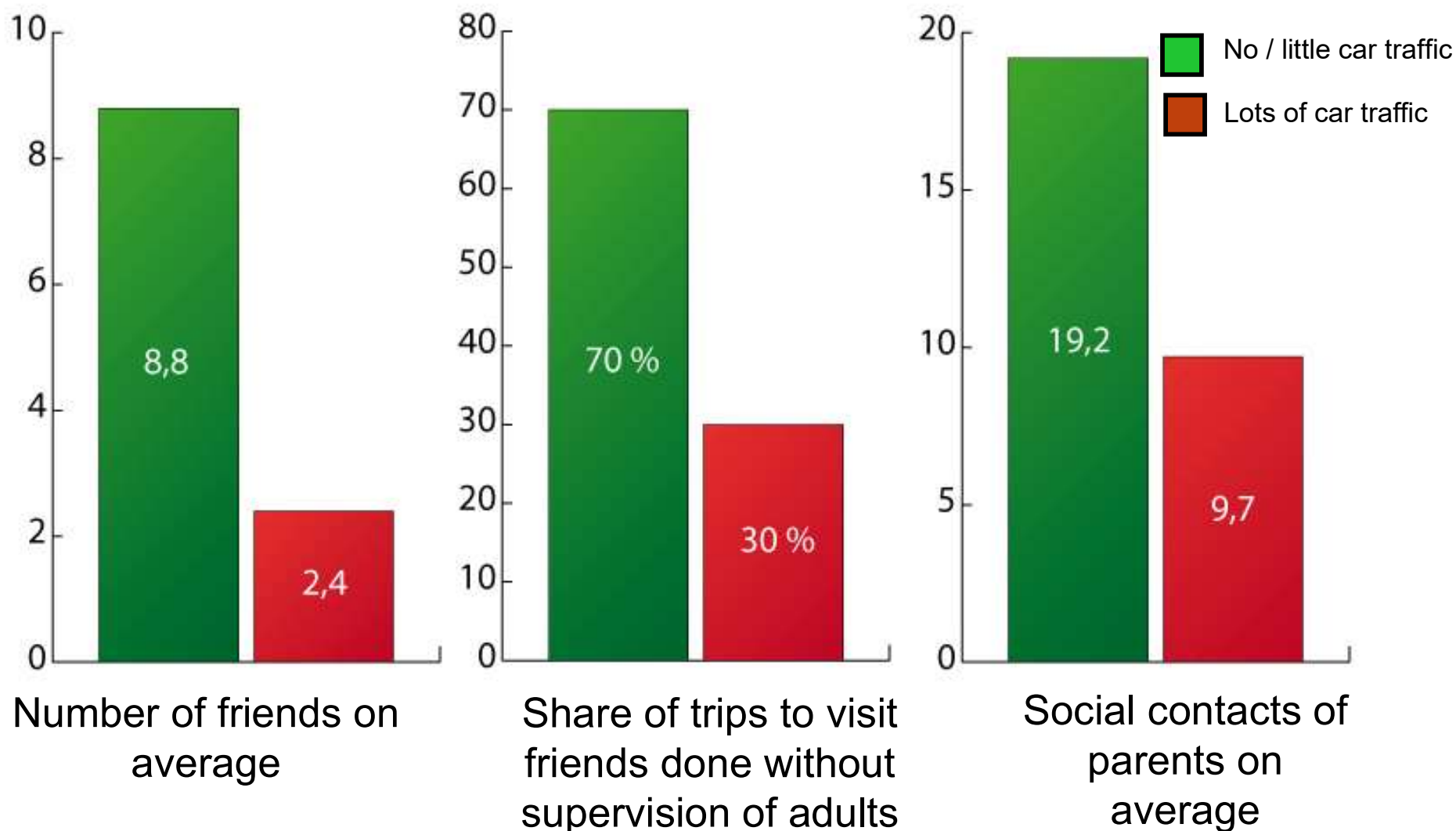


Source: Hüttenmoser M. (2004)

Graph: FGM-AMOR (2019)

Home zones generate friendships

5 year old children and their parents



Activity Fields



Temporary
street
openings



Interventions
in public
space



Educational
tools



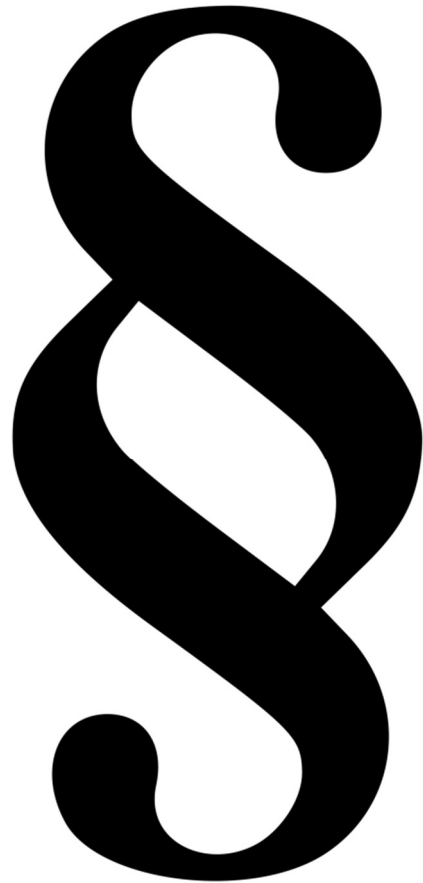
Empower
active
mobility



Crystallisation
points



Planning
procedures
and
integration
in SUMP



What to think about....

- Ethic work issues
- Consent forms for questionnaires, photos and videos
- Data Protection procedures

For international projects

Informed Consent Procedures

Ethic approvals (different in every country)

Independent ethic advisor

- Special rules for children

School environment scan & Safe to school City of Tilburg



Make use of the visionary power of children for public space transformations



•

The street as an extended school / play area, and as Livin' Lab for a new space distribution





Video „School Street“

Space for Children or for cars


16
Parking lots

or

Temporary school street
Marshallgasse , Graz





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Survey amongst residents:

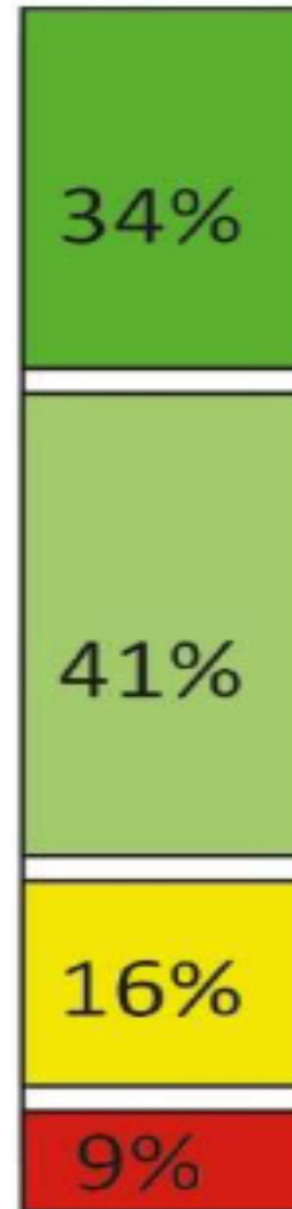
What do you think about the transformation of the street into a school street?

With lessons on the street, with children stay during breaks?

No cars allowed during school hours, no car parking

.

www.metamorphosis-project.eu



I fully agree

I agree but...

I do not care

I am against it

Reclaim streets for one day:

e.g. Car Free day, parking day, special local days

Several days and regular street openings:

e.g. mobility week, energy week etc.

Permanent freeing from car traffic for school hours:

e.g. living lab – open school streets without cars during school hours

Integration of traffic calming in the school lessons:

Integration into teaching lessons, exercises, homework

Inspire activities in residential areas near schools:

The know how travels home via home work eg. awareness raising for home zones



Teaching and learning materials for primary schools, to integrate the topic in school lessons and homework



METAMORPHOSIS

EDUCATIONAL MATERIALS

- GRAZ

Reducing traffic and reclaiming urban space is **not usually a topic included in the curricula of Austrian schools**. However, there are already good experiences with the integrating the topic of waste separation in the classroom, **where children acted as teachers to their parents**. The topic was brought back to the families via the children's homework, and this was **particularly successful in families coming from a migrant background**.

Outcome

Similar to waste separation, **good urban planning and traffic calming was integrated into the lessons** and these concepts were transferred home to pupil's families. The topic was approached through teaching booklets and instructions at the second and fourth elementary school level. **Each child became a "travel detective"** and investigated the topic indoors and outdoors by examining their way to school in all its aspects, including taking measurements and identifying dangerous spots. The "travel detective" booklets for second and fourth graders is available under the following links:

[For second graders](#)

[For fourth graders](#)



Low effort, typically individual - less than one man-week.



Potentially city-wide application.



Low costs for printing and copying materials. 20 pedometers per class come to about € 150 - 250. Measuring tapes, clipboards and street chalks, approx. € 50. If desired: temperature gauge € 300 - 500, air gauge € 100 - 300.

School Street Model Bolzano/Merano „Traffic-Acupuncture“

To free streets in front of the schools for 15–30 min in the mornings/afternoons

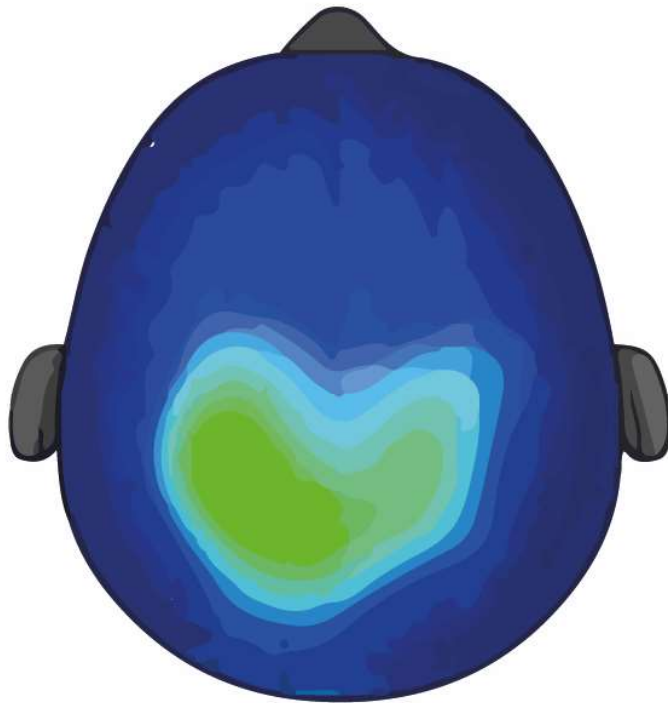


Verkehrsaufkommen vor der Schule



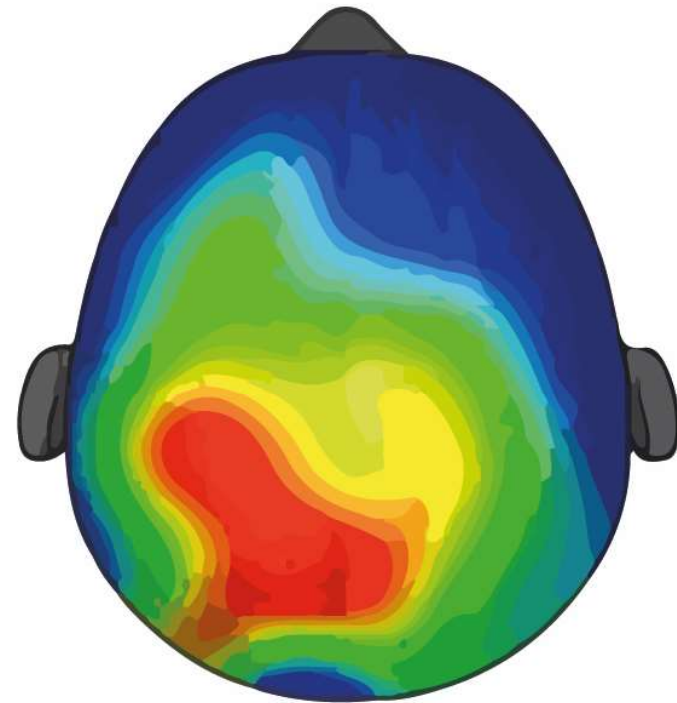
Nach 20 Minuten ruhigen Sitzens

After 20 min sitting quiet



Nach 20 Minuten gehen

After 20 min walking



* Source: Charles Hillman, and Hillman et al. (2009), in *Neuroscience*

Blau = geringere neuronale Aktivität / lower brain activity

Rot = höhere neuronale Aktivität / higher brain activity



On street lesson in math's on a 7 to 5 school street



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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723375

“Gut Geh Raum” – City of Bregenz (AT)

- 700m School street from 7am to 5 pm
- Extended class room
- Bus at the speed of pedestrians



Take out streets from the traffic system (Unsealing of the asphalt, green space, playground...) City of Vienna



Crystallisation Point - Urban Gardening - City of Alba Julia

- School lessons the garden as a learning space
 - school projects on permaculture
 - connected events like organic cooking



**...to ease Community Street- Openings –
City of Southampton**
– own web-page, simplified procedure, invitation to apply

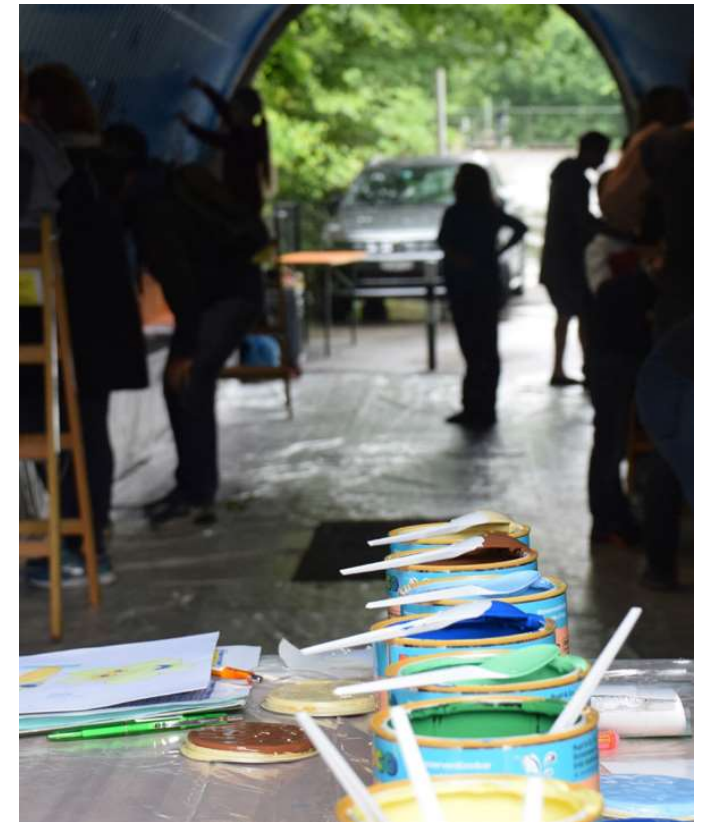


Skater ramp – to fight against illegal car parking (City of Meran, IT)



City of Zürich

Neighbourhood analysis by Children/ Share point / Tunnel painting



School project on how to transform a parking space into a juice bar



On street lesson in arts and handycrafts

Guide what to play in a home zone



Das ist eine
Wohnstraße

Was ist eine Wohnstraße
und was darf ich hier?



Der Alltag

Tipps für das Bespielen
einer Wohnstraße
Wie wird diese sichtbar
und sicher?



Kreidespiele

Kreiderezept
Himmel und Hölle
Hexentanz
Briefhopse
Die große Schnecke



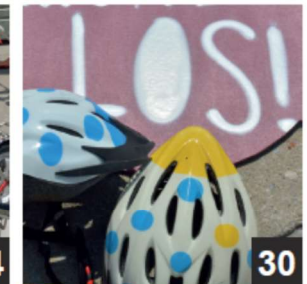
Fang- und
Wurfspiele

Der Glückswurf
Kreide-Quadrat
Gänschen rupfen
Figurenball
Cornhole, Indiaka



Fahrzeug-
und
Motorikspiele

Verkehrsgarten
Fahrzeug-Parcours
Wassertransport
Wer zuletzt lacht, ...
Dosenlauf

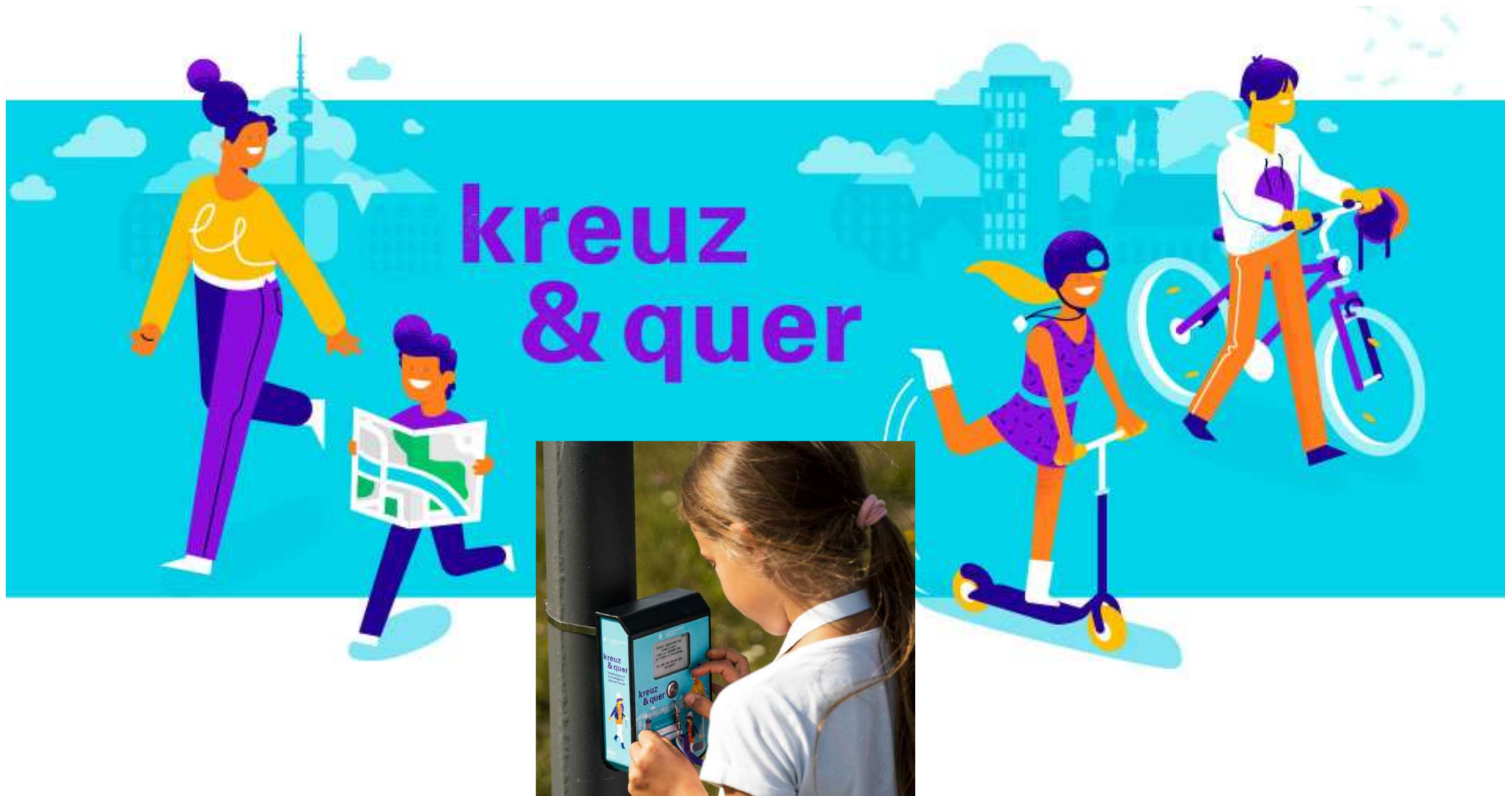


Service

Adressen im Zusammen-
hang mit sanfter Mobili-
tät in der Steiermark und
Spielaktionen auf Straßen
und Plätzen

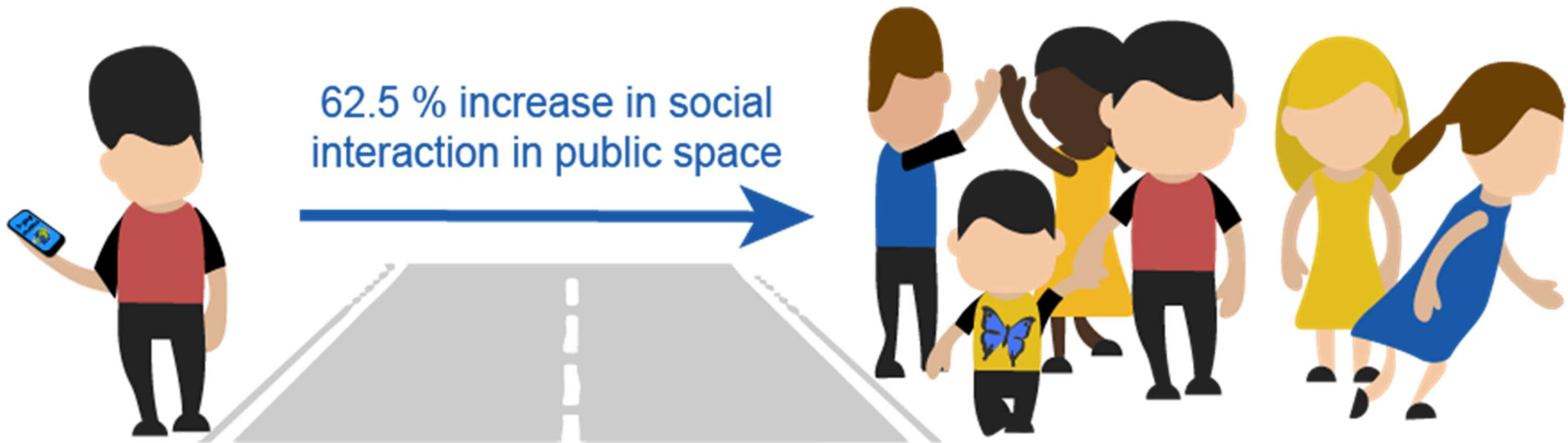
Gamification to promote active mobility (Munich)

Collect kilometres by food, bike and skateboard and get a reward!



Outcomes

- number of children playing in the street increased by 54 percent
- increase of children walking (80%) or cycling and scooting (31%)
- 6062 people of all ages and up to 82 (\bar{X} = 12.3 years) years played kreuz & quer
- 2019 May - July, participants walked, cycled a total of 72000km









METAMORPHOSIS FACT SHEETS

Zurich

Implemented measures of the Metamorphosis Project 2017 - 2020



METAMORPHOSIS FACT SHEETS

Interventions in public space

Implemented measures of the Metamorphosis Project 2017 - 2020



METAMORPHOSIS FACT-SHEETS

Selection of the implemented measures of the Metamorphosis Project 2018 - 2020



Fact sheets

What you will find !

- Short description
- Outcomes
- Impacts
- Process information
- Costs, effort
- Application area
- Valuation
- Recommendations
- Contact to the Implementers

METAMORPHOSIS STREET OPENINGS - MERANO

Three street opening took place in Merano where the street was opened out to people, and closed to cars. One was organised by the children's council, involving many games. The other two were organised together with local shops and took up the themes of sport and music. The shops were invited to present their goods or services on the street and engage people.

Outcome

Hundreds of participants, young and old, experienced how an urban street can become a play-ground and good meeting place. There was speciality food tasting, an open air hairdresser, and an outdoor cosmetics shop. There was also a sewing workshop, where leftover fabric was processed into environmentally-friendly shopping bags.

Impact

Child-friendliness



Increased use of neighbourhood



Promotion of cycling and walking



Through activities, children were able to use the street space, which was closed for traffic. The closure was only temporary though.

A street closure brings people together, especially from the neighbourhood. The involvement of local shops helped to bring the neighbourhood inhabitants closer.

A traffic-free zone is a good opportunity to try out different non-motorised vehicles. Lots of participants came by bicycle or on foot.

Process

1. Discuss the idea with the city council and youth workers (on how to involve children).
2. Set dates for the closures and check with police and local groups, and involve them.
3. Development of the programme.
4. Get the permit.
5. Open discussion with critical voices and local neighbours.
6. Carry out the closure.
7. Monitor and evaluate.



Average effort, collectively - two man-weeks or more.



Potentially city-wide application.



Costs depend on what is organised and how big the event is.

Valuation

A street opening is a good measure to give people an idea of how traffic-reduced areas can look like. It is easy to carry out. However, it is important to repeat the measures and include as many shops and restaurants as possible.

Recommendations

1. Plan in advance to receive the permit in time. Also involve all partners from the beginning.
2. Choose a suitable square or street section.
3. Inform all inhabitants (via flyers, talking to them, posters, social media)

Contact: Philip Kleewein | kleewein@ing.bz.it |
Childrens council: kgr-ccrr-merano@hotmail.com

*Let's establish a
new “normal”*

J. Gehl / Mikael Colville Andersen

For more information
please visit:



www.metamorphosis-project.eu



Childfriendly cities –
METAMORPHOSIS



EU Metamorphosis project



EU Metamorphosis project



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Metamorphosis

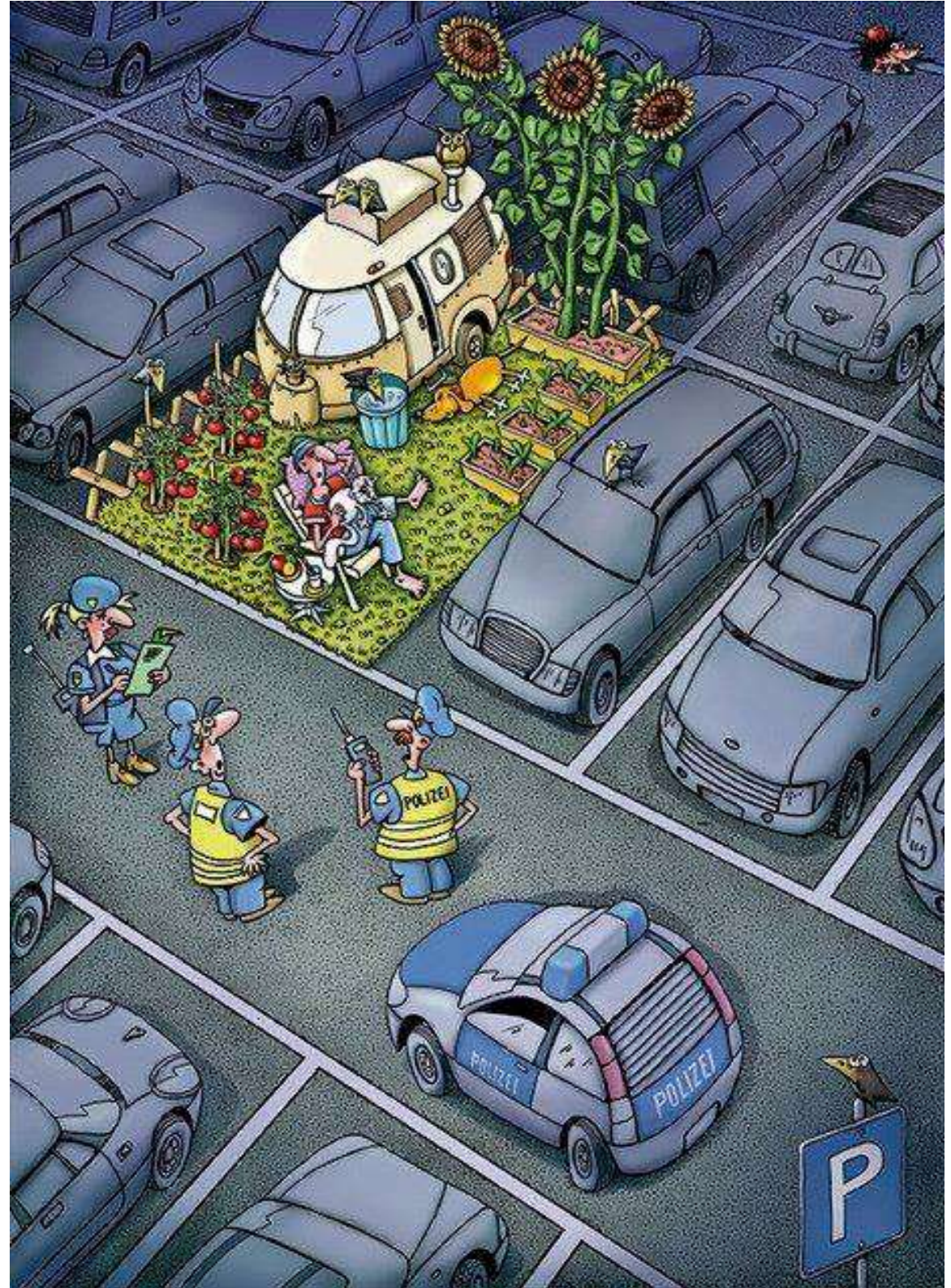
Transformation
of neighbourhoods
in a child-friendly way
to increase the quality of life
for all citizens



METAMORPHOSIS



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“Thank you”

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