HERE WE GO!
CHANGING THE PARADIGM FOR A CHILD-FRIENDLY TRANSPORT PLANNING

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ECOMM 2018 – UPPSALA, SWEDEN

klimaaktivmobil.at/bildung
bmnt.gv.at
CLIMATE CHANGE: MAINLY CAUSED BY TRAFFIC

Anteil THG-Emissionen 2016

- Verkehr: 29%
- Gebäude: 10%
- Landwirtschaft: 10%
- Abfallwirtschaft: 4%
- Fluorierte Gase: 3%
- Energie und Industrie - EH: 36%
- Energie und Industrie - Nicht-EH: 8%

Quelle: Umweltbundesamt (2018)
All cars only of Austria
... 20.500 km long
= ½ of the circumference of the earth.
CHILDREN ARE MOST EFFECTED BY THE HIGH VOLUME OF TRAFFIC

• The conditions for living and growing for children changed rapidly.

• Due to the high volume of traffic there are many negative mental and physical impacts (e.g. child traffic accidents, lack of physical activity, noise and air pollution...) on healthy development in infants!

Photo: Umwelt-Bildungs-Zentrum Steiermark
CHANGE OF RADIUS OF MOVEMENT FROM CHILDREN

Source: Prävention 2020, Kopp & Judmayer

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DID YOU KNOW THAT ...

... children who are not allowed to travel independently have ...

- 35 % less physical agility
- 40 % less physical balance
- 22 % less fine motor skills
- 15 % less creativity
- 25 % less social contacts
- 47 % less endurance during work.
USE OF MULTIMEDIA IN SPARE TIME

Modern Freizeitgestaltung

Jugendliche: 5 Stunden Sport PRO WOCHE.
10-12 Stunden Smartphone & Co TÄGLICH!

(Greier K, et al. 2017)

Source: Prävention 2020, Kopp & Judmayer
SHORTSIGHTEDNESS OF CHILDREN

- More time outside helps to decrease Shortsightedness (myopia) in Children
- In some parts of China, 90% of high school graduates have shortsightedness!
- Rates are lower but increasing in Europe.
- According to a new study, for primary school children, spending an extra 45 minutes per day outside may reduce the risk of myopia.

Source: https://www.scientificamerican.com/article/more-time-outside-tied-to-less-nearsightedness-in-children/
SOMERSAULTS & CYCLING

Sources: Petra Völkl
http://www.wochenblaetter.de/hannover/hannover-locales/problemfall-purzelbaum/

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## Mobility Career of Children and Young People

Mode of transport on the way to school per age category

<table>
<thead>
<tr>
<th>Age Category</th>
<th>Walking (%)</th>
<th>Bicycle (%)</th>
<th>Bus (%)</th>
<th>Car (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 - 9 Jahre</td>
<td>64</td>
<td>1</td>
<td>14</td>
<td>19</td>
</tr>
<tr>
<td>10 - 16 Jahre</td>
<td>18</td>
<td>13</td>
<td>53</td>
<td>13</td>
</tr>
<tr>
<td>17 - 20 Jahre</td>
<td>16</td>
<td>13</td>
<td>35</td>
<td>16</td>
</tr>
</tbody>
</table>

[Source: BMNT.gv.at](https://www.bmnt.gv.at)
social learning (M. Hüttenmoser)
social learning (M. Hüttenmoser)
IMPLEMENTATION IN AUSTRIA: THE CLIMATE PROTECTION INITIATIVE KLIMA AKTIV MOBIL

• **Objective**
  The klimaaktiv mobil advice- and funding programme supports environmentally friendly and healthy mobility through climate-friendly mobility management and pursues the further development of alternative drives and renewable energies.

• **Target groups**
  - Mobility management for businesses, property developers and fleet operators
  - Mobility management for towns and cities, municipalities and regions
  - Mobility management for tourism, leisure and youth *(since 2010)*
  - Mobility management for children, parents and schools *(since 2005)*
  - Eco driving initiative for passenger cars, trucks, buses and tractors
klimaaktiv mobil ... an Austrianwide mobility action programme of the Austrian Federal Ministry of Sustainability and Tourism

“Mobility management for children, parents and schools” ... part of the climate protection initiative klimaaktiv mobil.
KLIMA AKTIV MOBIL:
8,400 PROJECTS, 640,000 TONS CO2,
6,000 GREEN JOBS, 87,5 Mio. € FUNDING
MOBILITY MANAGEMENT FOR CHILDREN, PARENTS AND SCHOOLS

• More than 300 educational institutions (Austrian-wide)
• 77,500 reached children
• 5,000 reached pedagogues
• More than 985,200 saved car trips
• More than 800 tons saved CO2
PROCESS SUPPORT

1. Building a mobility team
2. Actual analysis, mobility behaviour, analysis of surrounding
3. Planning Measures
4. Implementation of measures
5. Evaluation
6. Award ceremony

Process monitoring by mobility advisor
Professional Package

- Process support for 1 year by a mobility advisor individually fitted to local conditions (soft and hard measures)

Basis Package

- For all educational institutions
- Innovations from professional package are forwarded to other educational institutions via:
  - Website
  - E-Mail-Newsletter
  - Seminars for pedagogues
  - Educational material, Tool kits
“In each project, the participating educational institution forms a mobility team (pedagogues, children, parents) with the support of a mobility advisor. In all schools and kindergartens, mobility surveys and an environmental analysis are executed in cooperation with the children and young people concerned.”
MATERIALS

Various brochures like guides ... with action ideas for and from educational institutions, ... with youth mobility projects and examples of implementation, ... for child-friendly traffic planning ... etc.

photos: Robert Strasser
NEW: MOBILITYBOX FOR KINDERGARDENS
AWARD CEREMONY

photos: Robert Strasser
MEASURES
MEASURES: WALKING BUS
MEASURES: KISS AND GO
MEASURES:
BIKE REPAIR WORKSHOP

Foto: Pan-Freilandschule
MEASURES:
HANDRAIL AND BIKE STANDS

before

photos: Freiraumschule Kritzendorf

after
MOBILITY SCHOOL EVENTS

photos: HBLFA Schönbrunn

20.06.2018
FLOWERING STREETS

• Competition for schools and municipalities during the European Mobility Week

• ~ 50 participants per year
CLIMATE FOOTPRINTS

• Kindergartens and schools for children between 3 and 14
• Free materials:
  – Sticker album
  – Sticker sheet
  – Teaching materials
• more than 200 kindergartens and schools
• ~ 500 000 climate miles per year
• Part of an international campaign since 2003
• Presentation of the results at the COP
WHAT DO CHILDREN NEED?
URGENTLY NEEDED: A PARADIGM SHIFT IN TRANSPORT PLANNING

What do Children need?

• Physical activity
• Nature and a healthy environment
• Autonomous mobility
• Safety
• Safe public spaces to play independently
• Participation

A New Focus in Transport Planning

• Considering needs and living environments of children
• Considering intersectoral collaboration
• Considering participation of children or their political representation
CHILD-FRIENDLY TRANSPORT PLANNING

Political commitments attempt to offset the impact of traffic on children:

**International Commitments:**
- EU Guidelines on Physical Activity, 2008
- UN Convention on the Rights of a Child, 1989

**National Commitments:**
- National Action Plan on Physical Activity (NAP.b), 2013
- The Austrian Child and Youth Health Strategy (Committee for children´s health, framework for health objectives), 2011
- Children´s Environment and Health Action Plan for Austria, 2010
- klimaaktiv mobil Advisory and Funding Programme, since 2005
RETHINKING OF TRANSPORT PLANNING

- Initiating the development of „Guidelines and Regulations for Child friendly Traffic Planning. (RVS (regulations for the road system) 03.04.13 „Kinderfreundliche Mobilität, FSV and long-term intersectoral working group, lead TU-Wien), 2015 ... extends the RVS “Design of the school environment”

- klimaaktiv mobil Guideline „Child-friendly Mobility“ for the public sector (planners and communities), 2014

- Conference on child-friendly mobility (2015), with key speakers from Austria, Germany and Switzerland
COMPETITION: CHILD-FRIENDLY MOBILITY 2016

• A joint action from Federal Austrian Ministry of Environment and Federal Austrian Ministry of Family and Youths
• Participants: Austrian Communities which already finished the audit process "kinderfreundlichegemeinde" (child-friendly community)
• Prizes (3,000 €, 2,000 €, 1,000 €) have been awarded to those local communities and cities that carried out the best measures for a child friendly environment
• Official Award Ceremony with the Minister of Environment and the Minister of Family and Youth

Photos: Umwelt-Bildungs-Zentrum Steiermark
CONTACT

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