

# Gender Responsive Urban Planning

Viennese Experiences

Eva Kail



# Cities don't grow like Plants

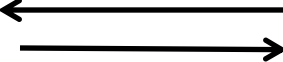
2050: 2/3 of the world population will live in cities

Cities are **human made** and  
designed historically **by male technicians and planners**

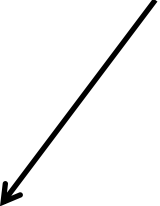
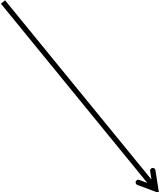
-> strong bias

-> tendency to see the city only as a technical system

**Urban Structure**



**Mobility Conditions**



**Quality of Everyday Life**

# Norms for Calibration - Why Gender Glasses are Important

## Walking speeds of different groups

	speed	time for 1 km	distance in 10 min
healthy adult	5 km/h	12 min	833 m
teenagers	6,5 km/h	9 min	1 083 m
young and elderly	2,5 km/h	24 min	417 m
reduced mobility	1,8km/h	33 min	300 m

-> acceptable distances for parks and playgrounds, stops of public transport

-> calculation of traffic lights

## Climate Michel

Subjective feeling of temperature in micro climate models, calculated on average size and weight, but age of 35 years! Heat vulnerable groups are much more relevant

## Automated driving: safety software

Calibrated on the faces of white men, bias in perception of colored women



# Gender Planning- to Stand in Different Shoes

Planning as a complex field of action: market forces < - > common interests

**Gender planning** is a quality assessment of planning decisions and processes in regards to equal opportunities for different user groups

-> higher social intelligence in planning processes

-> specification of common welfare

## **Fairness**

competing interests of user groups

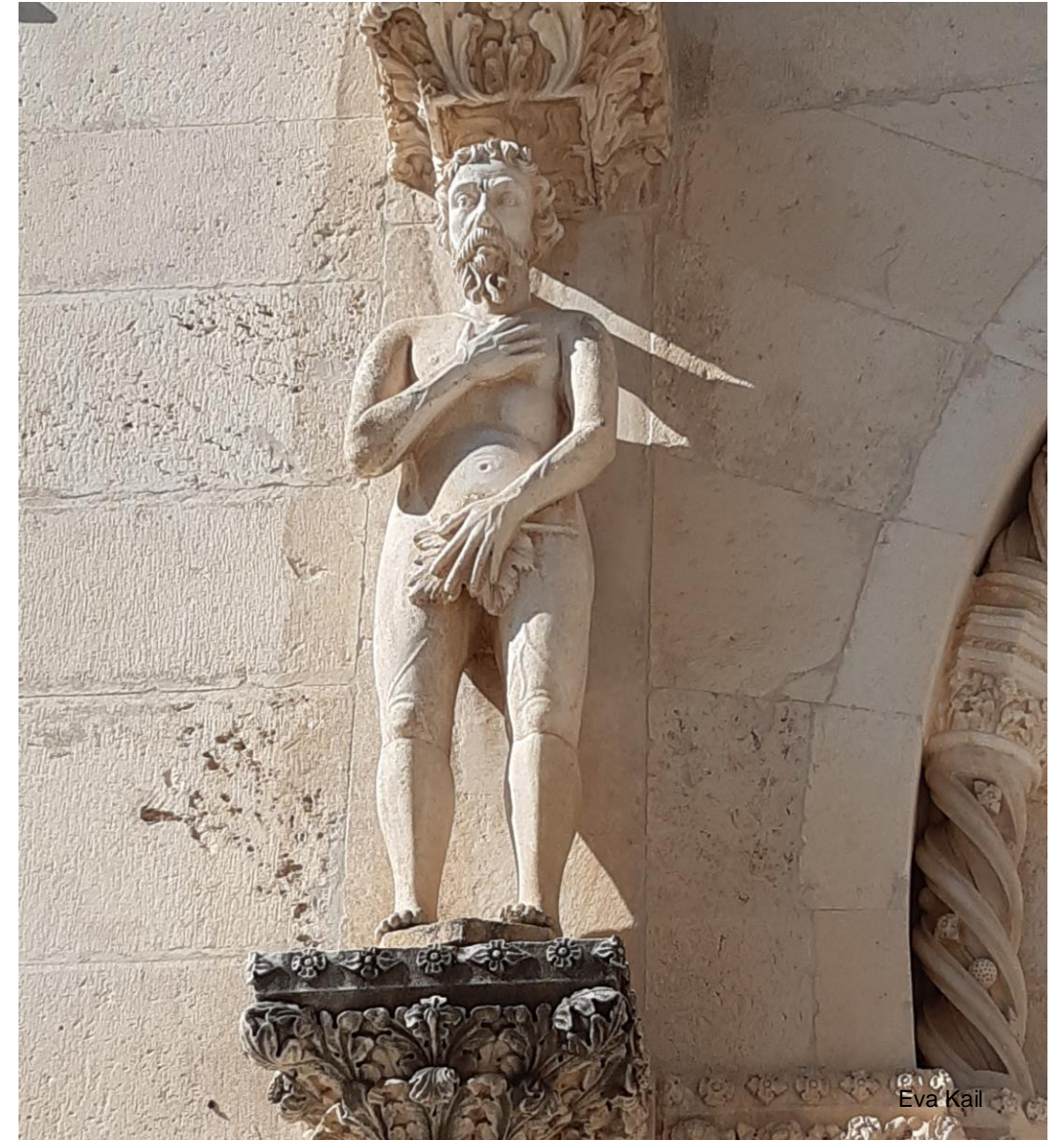
## **Efficiency**

Focus on customer interests

# Differentiation beyond Biological Categories



Eva Kail



Eva Kail



# It's the Care Work, Stupid!



Wiener Linien

## Gender + Concept

- social roles
- life phases
- cultural and social background
- specific needs

## Gender based differences

- share of care work
- leisure interests
- mobility patterns
- probability of sexual harassment/rape

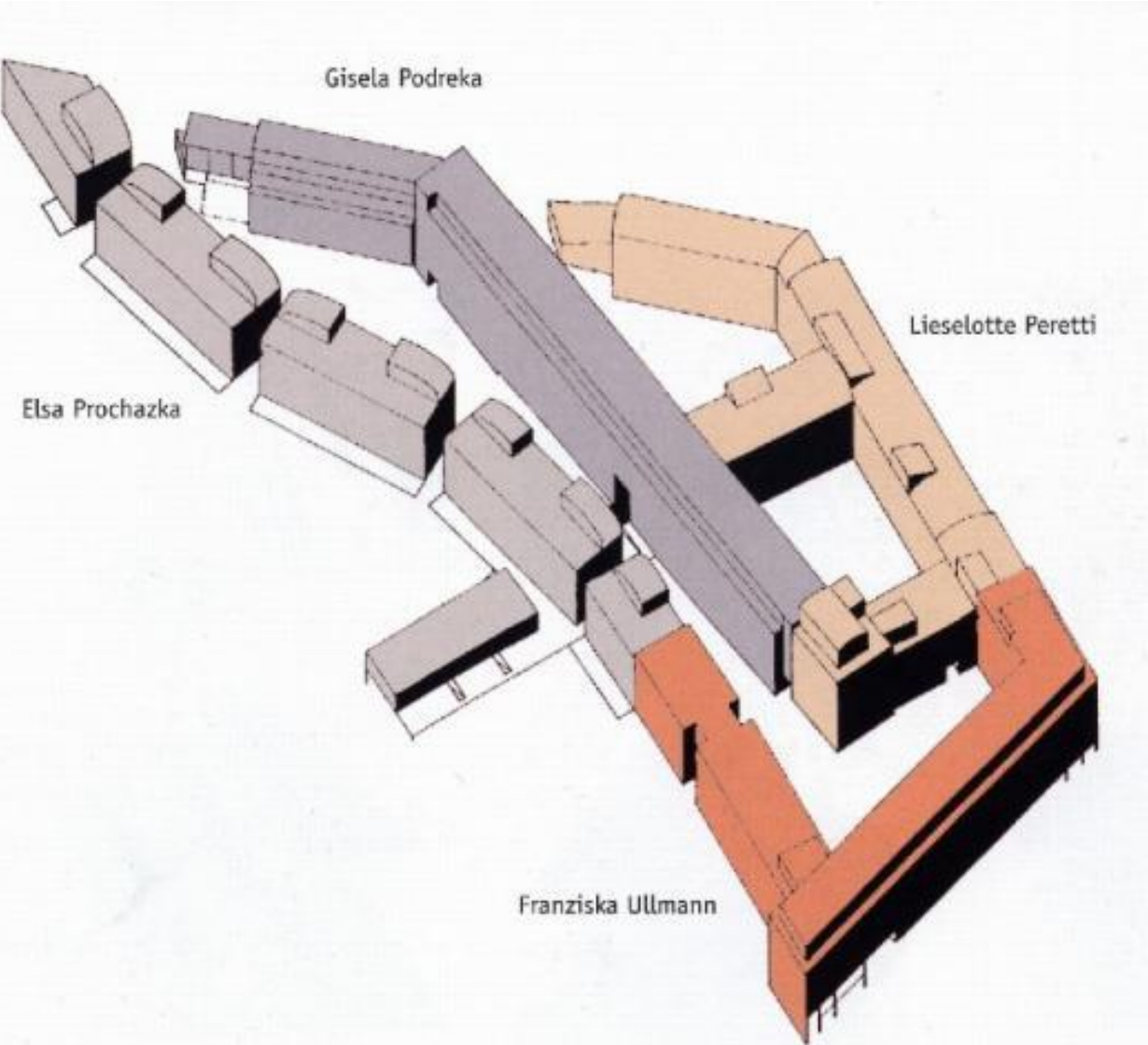
# Framing

The contribution is based on my work experience for the City of **Vienna**, the Capital of Austria in Europe with 2 Mio inhabitants





# Frauen-Werk-Stadt I



Axo Franziska Ullmann isentation





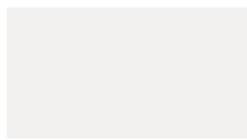
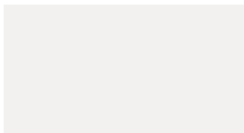
# Great Variety of Open Spaces

below Margherita Spiluttini, others raumfilm





# Area for Youngsters





# Mobility Point Biotope City

MO.Point

**Für jeden Anlass das passende Fahrzeug**  
Hier kannst du dir folgende Fahrzeuge und Urban Sharing Items  
rund um die Uhr ausborgen:



Opel Corsa-e



E-Mountainbike



E-Lastenrad



Fahrad-  
Anhänger



Urban Sharing Items



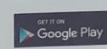
## So funktioniert`s

- 1** Zutritt zum Mobilitätsraum:  
**RFID-TOKEN**



Den RFID-Token erhalten alle  
Biotope City Bewohner\*innen  
von Ihrer Hausverwaltung

- 2** Hol dir die  
**MOGO-APP**



MOGO-App aus deinem App  
Store oder Google Play Store  
herunterladen

- 3** Einmalig und kostenlos  
**REGISTRIEREN**



Angebot in deiner Nähe suchen,  
Biotope City Standort wählen  
und einmalig registrieren

MO.Point Mobilitätsservices GmbH  
service@mopoint.at T: +43 1 343 91 84 200

Mehr Informationen unter:  
[mopoint.at/biotopecity](https://mopoint.at/biotopecity)





# Gender-sensitive Park Design

1997: „Foul Play with Opportunities? – Girls into Public Space!“

**socio- scientific survey -> specific interests of girls** have to be considered

2000: **strategic project** within the City`s Strategy Plan

since 1999: **6 model projects** - 4 with active participation of girls

**evaluation:** usability analysis of 5 parks, design analysis of 14 parks

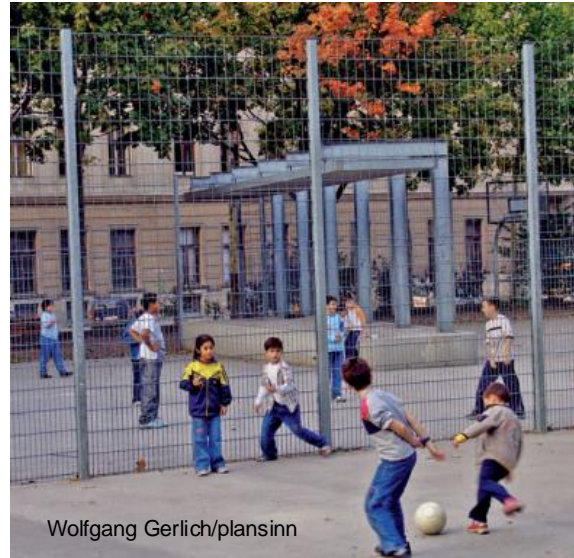
2006: evaluation workshop - > **planning recommendations** for gender-sensitive park- and playground design

**Mainstreaming:** Every new or redesigned park follows the principles





Wolfgang Gerlich/plansinn



Wolfgang Gerlich/plansinn



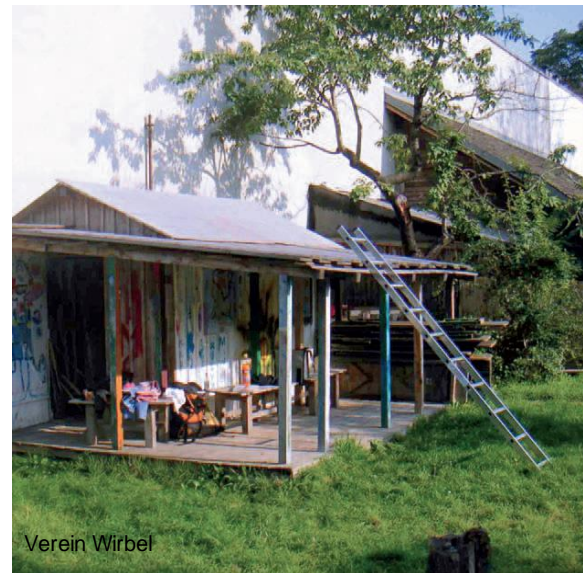
Wolfgang Gerlich/plansinn



Wolfgang Gerlich/plansinn



Wolfgang Gerlich/plansinn



Verein Wirbel



Wolfgang Gerlich/plansinn



# Public Purpose Buildings



Education Center



Campus Schools

# Specified Modal Split

transport means for daily ways in %	in total	men	women	
Public transport	38	37	40	
Motorized individual traffic	27	31	24	highest: men 60Y-74Y 44% lowest: women 25Y-34Y 16%
Bikes	7	9	5	
Foot	27	24	31	

MIV: age groups / sex

highest: men 60Y-74Y 44%  
lowest: women 25Y-34Y 16%

2014-2019, City of Vienna, Wiener Linien



# Mobility Needs and Patterns

## Women

have lower incomes

possess less cars

have less choice of transport means

do more care work , have complexer

everyday lifes and mobility patterns

have a higher number of daily journeys

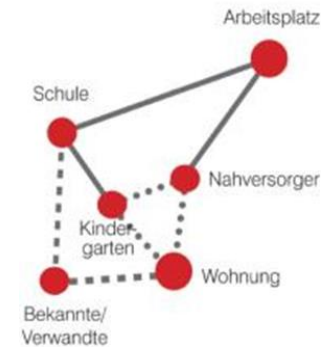
spend more time for shorter distances per day

are more sensitive towards safety aspects

than **men**

**Gender sensitive traffic planning considers the mobility**

**conditions of both sexes and different gender roles**



# Gender Sensitive Mobility Pilot District Mariahilf

Mariahilf: small, central district,  
28.000 inhabitants, 1,5 km<sup>2</sup>, high density

## Why Mariahilf as Gender Mainstreaming Pilot District ?

- district women's commission
- focus on improving conditions for pedestrians
- district decision on Gender Mainstreaming

**Participants:** 7 municipal departments charged with public space









# Pedestrian Network Quality



Broader Sidewalks



Barrierfreeness



Safe Crossing



Traffic Lights



Safety



Awareness



Sidewalk Café



# Outcomes



- street crossings
- pedestrian-friendly traffic lights
- enlarging pavements
- lighting projects
- barrier-free pavements
- additional seating

# Biking

Gender bias

Security and safety issues

Cultural and gender patterns

Availability and comfort of storing facilities

## **Hardware:**

- separate lanes and safe crossings increase the usage by women and children

## **Software:**

- bike training for women
- repair workshops for women



# Safety



List of criteria to identify zones of anxiety for the urban lightning department

General planning recommendations for a safe city -> spaces with “social eyes”

Security walks: 6<sup>th</sup> district by local politicians, walks before renewal of social housing by police



# Participation- Beware of Gender Bias!





# Redesign of Reumannplatz



**REUMANN**  
Beteiligungsverfahren zur Umgestaltung des Reumannplatzes

**PLATZ**

**NEU!**

MACHEN SIE MIT!

ПО-НОВОМУ

## RAHMENBEDINGUNGEN

Das bereitgestellte Budget ermöglicht eine umfassende Neugestaltung der halben Gesamtfläche. In der zweiten Hälfte werden Verbesserungen durchgeführt.

## ZEITPLAN

2017	2018	2019
Beteiligung	Planung Baubeginn	Umsetzung

## TÄTIGKEITEN

- Gehen
- Schauen, Beobachten
- Spielen
- Wasser erleben
- Fest, Veranstaltung
- Skaten
- Bewegen, Turnen
- Karten, Schach spielen
- Sitzen, Ausruhen
- Treffen, Reden
- Natur wahrnehmen
- Anderes

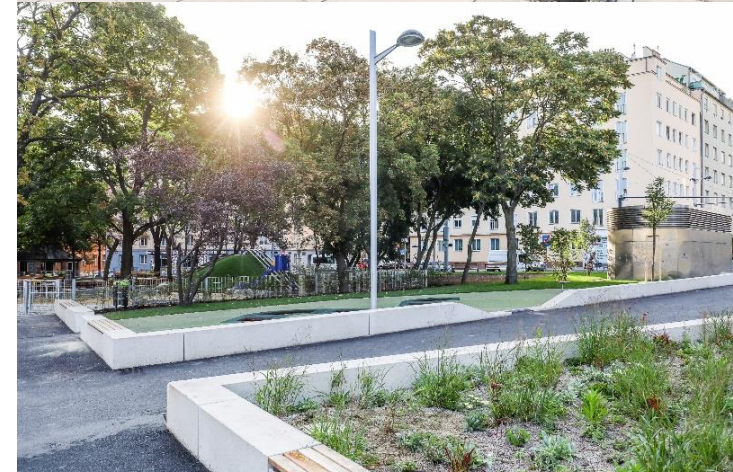
**Runder Tisch**  
DI 07.11.17  
15:00 – 17:00



# Participation Process









# Results

- **Better transit quality**

- -> clear routing enables orientation and overview
- -> elimination of spaces of anxiety, increase of social control

- 

- **Better quality of sejour**

- -> reduction of spaces of irritation and uncomfort
- -> better chances of appropriation for vulnerable groups
- -> more facilities for interaction or at least conflict-free coexistence
- -> better microclimate: 57 new trees, water arch, infiltration, more open ground
- -> fitness and playelements next to the main paths
- -> girl's stage for cultural activites

- **Conflicting aims**

- bikers- pedestrians routes, outdoor restaurant – consumption free zones

- 

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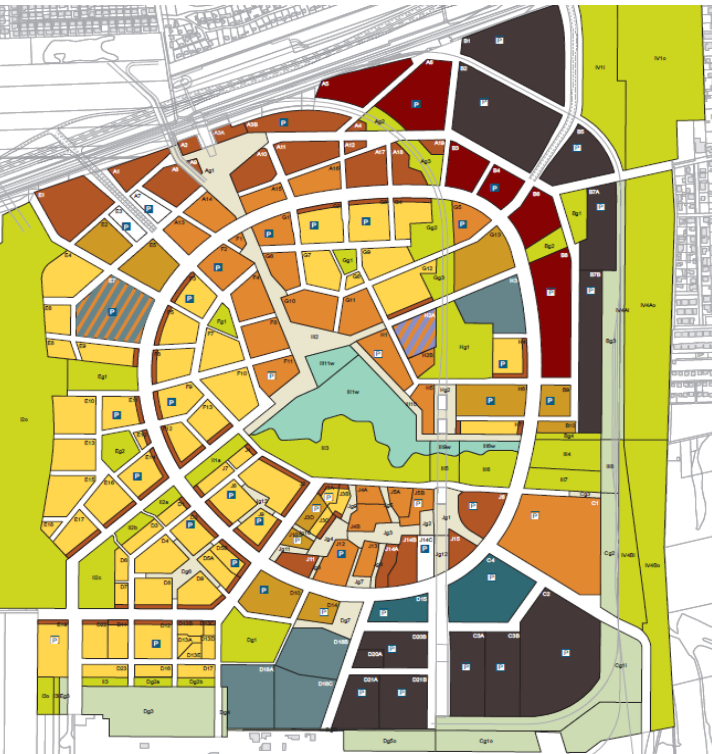




# Urban Development Areas Oberes Hausfeld and Lake City Aspern



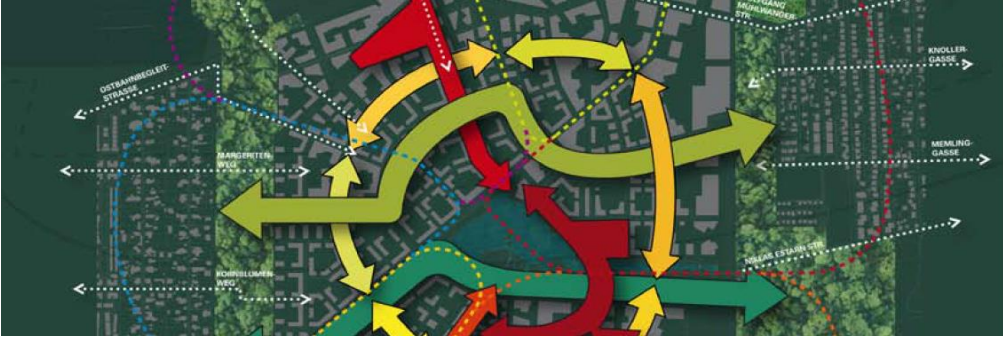
# Lake City Aspern



Masterplan Tovatt Architects



Trip chain Check Wohnbund



Manual Public Space Gehl Architects







# Elinor Ostrom Park





**22., Janis-Joplin-  
Promenade**







# Oberes Hausfeld

3700 housing units

15 developers joined in one company

Urban design Parameters

80% eco friendly mobility

Microclimate analysis

**Urban design contract**

**Quality criteria catalogue**

**Quality board** includes a gender planning expert



# Gender Mainstreaming Pilot Projects

8 municipal departments of planning and traffic sector realised pilot projects

at least **2 p.a.**, **scope of action:** urban planning, urban design, land use, road construction, bridge construction, lightning, traffic organisation

since 2006: **42 pilot projects**, scales range from **1:200** (road construction) to **1:12 000** (urban development)



# Methods and Tools for Public Space

Social Space Analysis

Functional Scheme - desire lines of pedestrians

Walks with wheelchairs and prams to feel the obstacles

Night walk to identify spaces of anxiety

Visibility of different groups in participation processes

Co creation supports appropriation

Evaluation: planning as a learning system

Symbolic level: street names, monuments, pictogramms

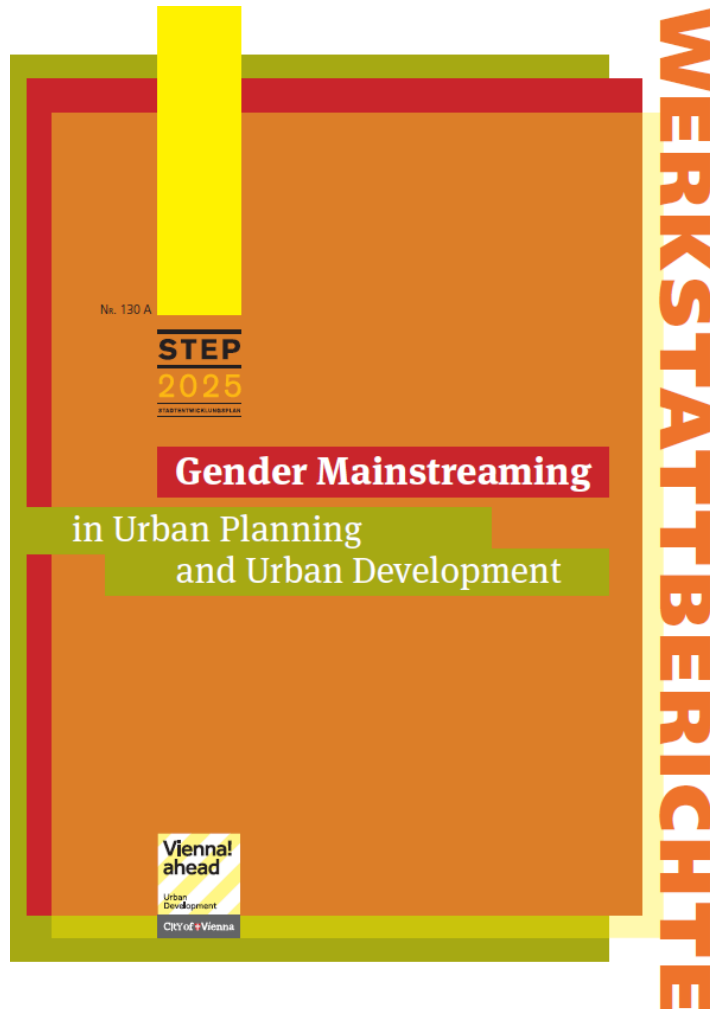


# Methods and Tools

## Concepts and Urban Design

- Fairness Check
- Keyfigures
- Shading Diagramm
- Trip Chains Check for different target groups
- Role play (to analyse an area, to discuss design proposals)
- Diverse Quality Criteria List : Gender Manuals

# Manual Gender Mainstreaming in Urban Planning and Urban Development



*depending on different levels of planning process...*

...different user groups and their needs

...key criteria of gender sensitive quality

...good methodical practise

...high quality density as the key term

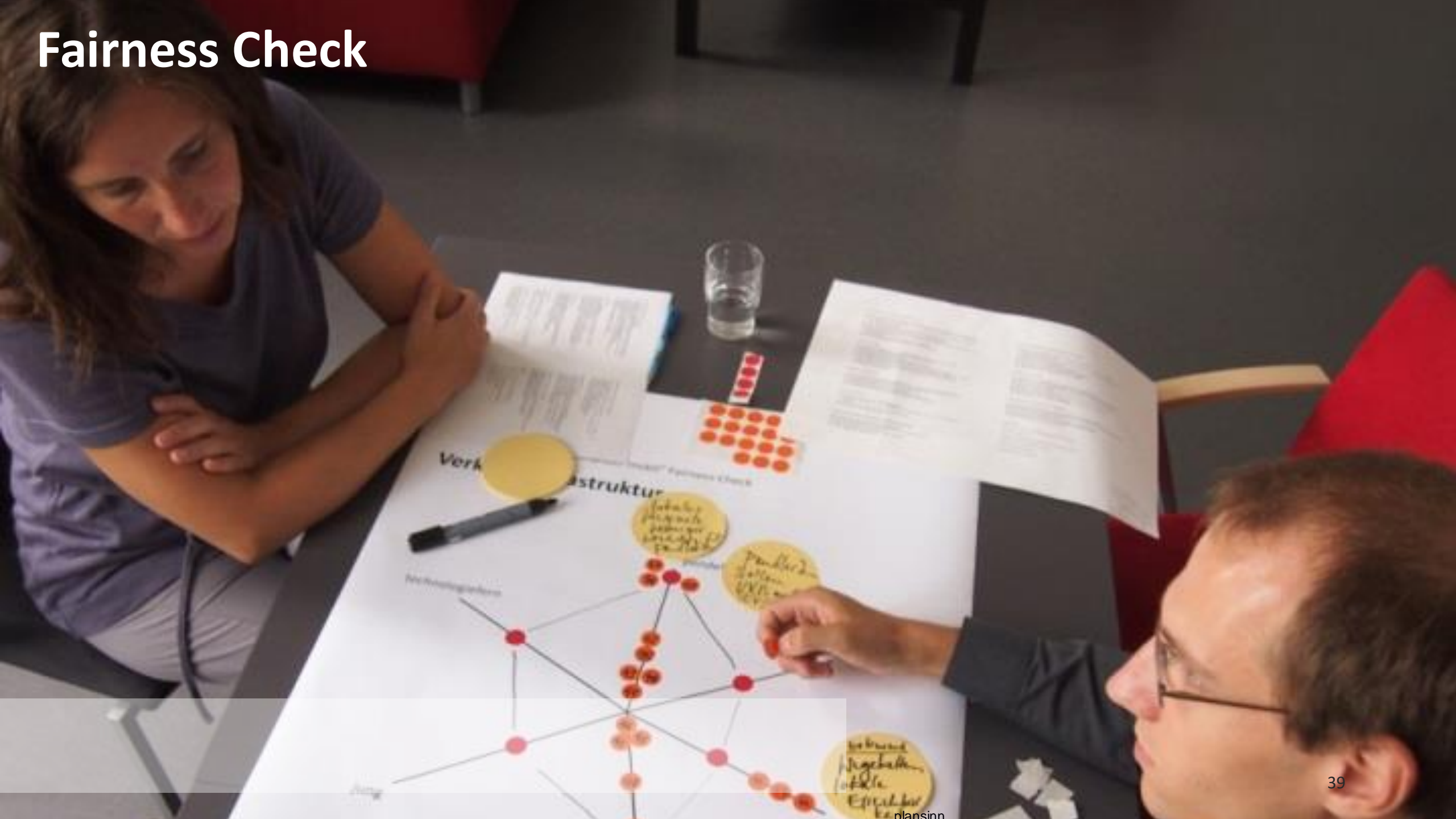
including the guidelines for gender sensitive park- and playground design

<https://www.digital.wienbibliothek.at/urn/urn:nbn:at:AT-WBR-707537>

Manuals Social Space Analysis and Participation also consider gender aspects



# Fairness Check



# Different Target Groups

## Strategic Concept for Public Space

Children and youngster up to 14 Years

Persons with reduced mobility: permanent or temporary

Persons threatened by poverty, working poor

Car giving persons: to < 15 Years, old persons/people in need of care

Potential victims of violence

Commercial users

## Gender und Climate

Persons suffering most from heat: small children, elderly, people working outdoor

People who use public space more intensive and like a living room due to their bad housing condition



# Other Manuals



# Strategy

Analysis and Research -> awareness

Pilot Projects -> visibility

Lead Projects and Pilot Processes -> practical experience

Manuals, planning recommendations, lists of criteria -> sharing of knowledge

Branding and Publicity - > Dissemination

Training effects of Lead Projects, discussion in juries -> start of Mainstreaming



# Climate as the new challenge

**Climate change:** Urban Heat Island, heavy rains...

->

necessity to organize a post fossil world much faster than estimated to fight the **Climate crisis**

the identification of synergetic potentials as gender planners are

inclusion of needs of cumulative vulnerabilities and specific demands

map overlaying Urban Heat Islands/ vulnerable groups (age, economy..)

-> 11 **high risk areas** as **prioritized action areas:** concept of street gardens

Vienna has a decreasing number of cars/inhabitants, but challenge of streetparking

# Gender Planning as a transformative force

Gender planners are often many years ahead of mainstream

Transformation as communication issue  
needs a gender lens for the acceptance of measurements

-> pragmatic utopias and scenarios and broad dialogues



# Visions and Ideas

Functional concept for different parks and playground based on social space analysis-  
Malmö has thematic playgrounds

More co-creation activities and participation, active use of the potential of girls and women

Arte Povera-Learning from the Global South

Commons: street cooperative by citizens, managing private car share, no other parking facilities, park lanes are used for trees, flower and herbs beds, sheds, bike stalls, neighbourhood gardens, sidewalk cafes, fees for car and bike sharing and open areas of restaurants are used for operating costs and new equipment, watering management in hot periods

**World Bank**

**Handbook for Gender-Inclusive Urban Planning and Design, 2020**

<https://www.worldbank.org/en/topic/urbandevelopment/publication/handbook-for-gender-inclusive-urban-planning-and-design>

**Asian Development Bank**

**Fair Shared Green and Recreational Spaces, 2021**

<https://www.adb.org/publications/fair-shared-city-guidelines-inclusive-gender-responsive>

**Fair Shared City: Guideline for Socially Inclusive and Gender-Responsive Residential Development, 2022**

<https://www.adb.org/publications/fair-shared-city-guidelines-inclusive-gender-responsive>

**What if Women Designed the City?** -33 leverage points to make your city work better for women and girls, May East, Triarchy Press, Axminster UK 2024



# Socially sustainable, gender-sensitive and post-fossil urban restructuring is a chance! Let's use it!

Thank you for your attention!



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