SMART CITY VIENNA
DOMINIC WEISS

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Urban Innovation Vienna
Cities are our passion!

Urban Think Tank

Innovation Broker

Advice & Consultancy

Process & Stakeholder Management

VIENNA BASICS

Compact City
High diversity

Short distances

Mixed use quarters

Livable density

Green Space
Sharing the outdoors

50% green space

Protected green belt

Tree protection law

Urban agriculture

Urban viniculture

Infrastructure
Public ownership

Sewers

Water & Waste

Energy

Public Lighting

Public Transport

Housing

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Public Transport
„Greener Linien"

Eco-mobility backbone

40% modal split at 5% energy consumption

Annual season pass for 1€ per day

Affordable Housing
Creates value

Economy

Social sustainability

Architecture

Ecology

Active land policy

Developer competitions

Serving 60% of citizens

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CHALLENGES

Urban Challenges
Smart City Wien as a response to…

Urbanisation

Globalisation

Digitalisation

Climate Change

VIENNA'S RESPONSE

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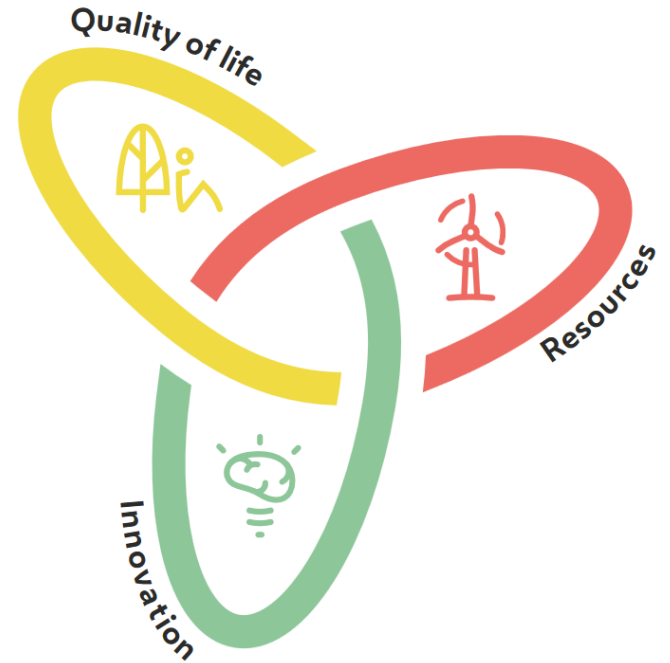
Framework Strategy
Mission statement

High quality of life for everyone in Vienna through social and technical innovation in all areas, while maximising conservation of resources.

Headline Goals

QUALITY OF LIFE

- Vienna is the city with the **highest quality of life** and **life satisfaction** in the world.

- Vienna focuses on **social inclusion** in its policy design and administrative activities.

RESSOURCE CONSERVATION

- Vienna reduces its local per capita **greenhouse gas emissions** by 50% by 2030, and by 85% by 2050.

- Vienna reduces its local per capita **final energy consumption** by 30% by 2030, and by 50% by 2050.

- Vienna reduces its **material footprint of consumption** per capita by 30% by 2030, and by 50% by 2050.

INNOVATION

- By 2030 Vienna is an **innovation leader**.

- Vienna is Europe's **digitalisation capital**.

Sectoral Strategies
Technical implementation

Sectoral programmes, plans and project initiatives aling with the Smart City Wien Framework Strategy.
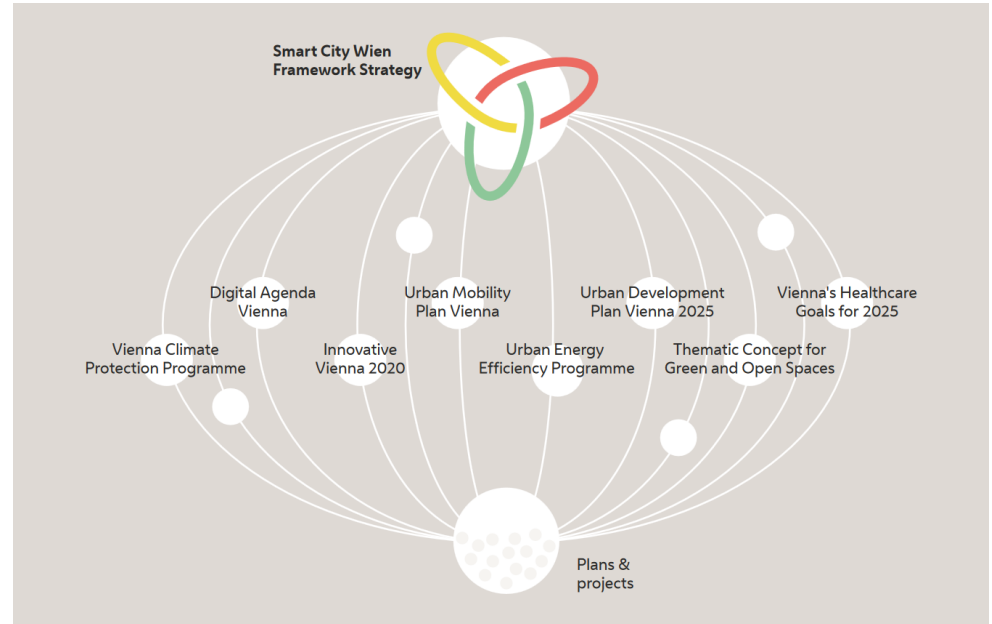
Smart City Governance
Stakeholder interface

Administration, Economy & Civil Society

Mayor & Vice-Mayor

Smart City Steering Group & Experts

Smart City Taskforce

Smart City Agency (UIV)

MoU-Federal Ministry for Innovation

Digital.City collaboration platform

Climate Council

Smart City Monitoring
Management requires measureability

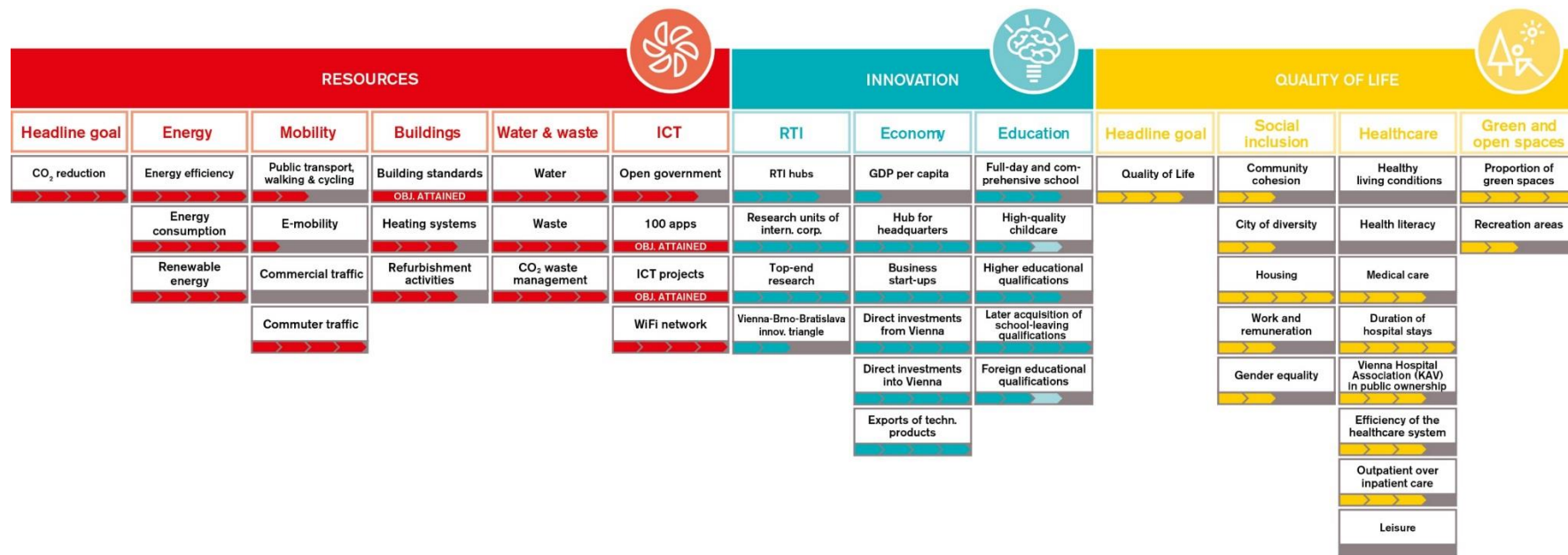| RESOURCES						INNOVATION			QUALITY OF LIFE			
Headline goal	Energy	Mobility	Buildings	Water & waste	ICT	RTI	Economy	Education	Headline goal	Social inclusion	Healthcare	Green and open spaces
CO₂ reduction	Energy efficiency	Public transport, walking & cycling	Building standards OBJ. ATTAINED	Water	Open government	RTI hubs	GDP per capita	Full-day and comprehensive school	Quality of Life	Community cohesion	Healthy living conditions	Proportion of green spaces
	Energy consumption	E-mobility	Heating systems	Waste	100 apps OBJ. ATTAINED	Research units of intern. corp.	Hub for headquarters	High-quality childcare		City of diversity	Health literacy	Recreation areas
	Renewable energy	Commercial traffic	Refurbishment activities	CO₂ waste management	ICT projects OBJ. ATTAINED	Top-end research	Business start-ups	Higher educational qualifications		Housing	Medical care	
		Commuter traffic			WiFi network	Vienna-Brno-Bratislava innov. triangle	Direct investments from Vienna	Later acquisition of school-leaving qualifications		Work and remuneration	Duration of hospital stays	
							Direct investments into Vienna	Foreign educational qualifications		Gender equality	Vienna Hospital Association (KAV) in public ownership	
							Exports of techn. products				Efficiency of the healthcare system	
											Outpatient over inpatient care	
											Leisure	

IMPLEMENTATION
SELECTED PROJECTS

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Aspern
Urban Lakeside

Greenfield development

20 000+ inhabitants by 2028

Eco-friendly mobility

High-quality public space

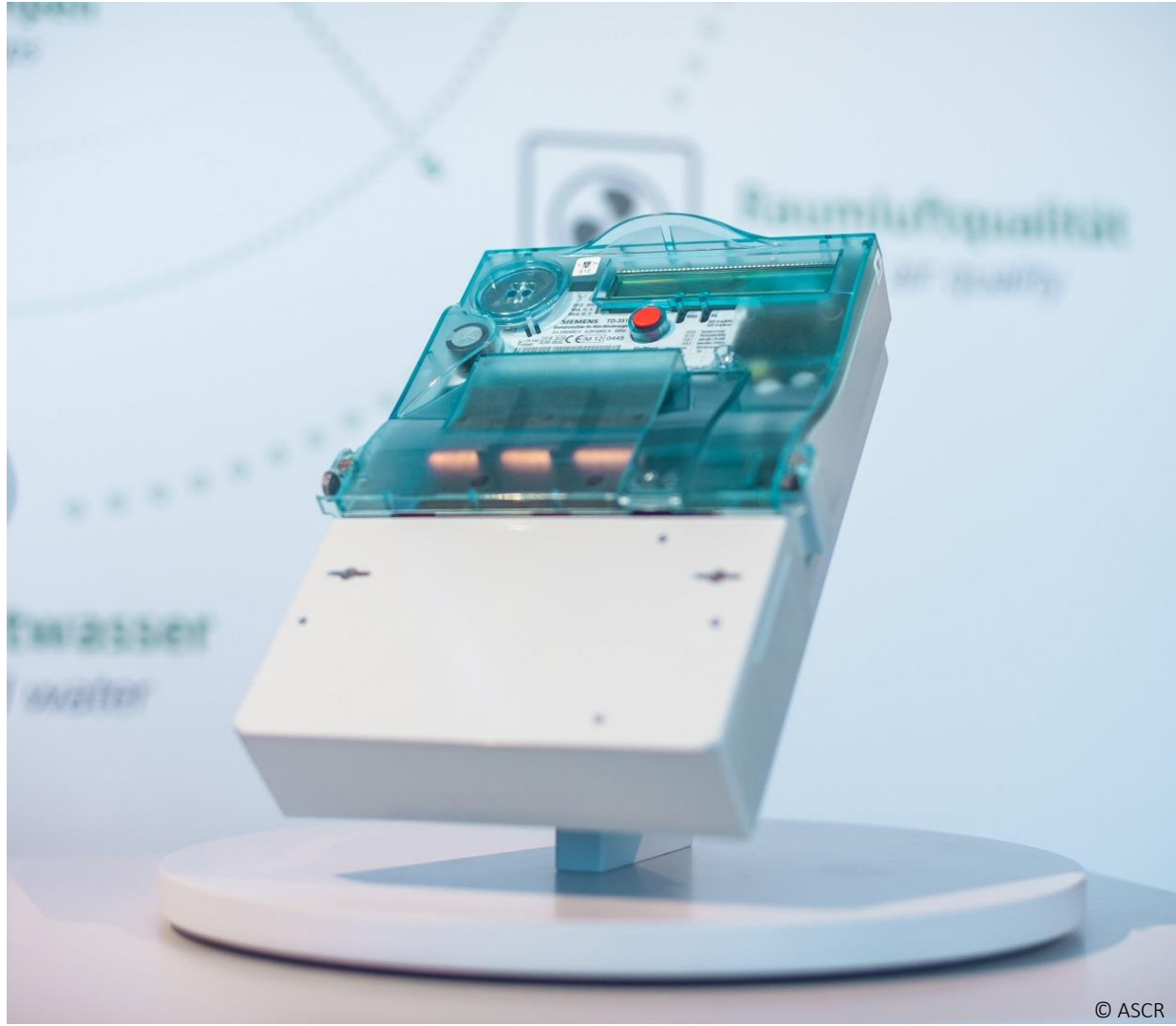Participatory planning

Neighbourhood management

ASCR
Future energy solutions

Joint venture

New energy solutions

Tested with real users

- Households

- Buildings

- Energy grid

© ASCR

Citizens Power Plants
Sale and Lease Back

Investing in renewable energies

32 power plants since 2012

- 26.000 solar panels

- 4 wind power plants

10.000 co-owners

Annual remuneration

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DigitalCity.Wien
Digitalisation platform

Independent initiative

Administration & companies

Awareness-raising

Project implementation

- Education initiative

- Digital Salon

- DigitalDays

© David Bohmann

E-Mobility 2020
Crowdfunding

Comprehensive

charging network

1.000 charging stations

until 2020

Voucher model

Grätzloase
Citizen participation

Projects in public space

- Parklets
- Festivals
- Neighborhood events
- etc.

Jury selects best ideas

298 projects since 2015

Up to 4.000 € per project

Participatory Budget
Social innovation

Active citizen participation

Collection, discussion &
implementation of ideas

Usage of public funds

Project-related budget

Sag's Wien
Smartphone application

Report concerns, damages, faults, etc.

Direct communication channel for citizens

City Service Group

Since launch in 2017:

- 49 000+ downloads

- 58 000+ reports

- 98% resolved

Smart Traffic Lights
Traffic flow management

Combined sensors

- Traffic flow

- Environmental data

- Weather data

Emission reduction

Improved traffic flow

WienBot
Chatbot

Information on city services

- Opening hours

- Routing

- Parking

- etc.

Viennese charm

Fast & simples answers

Wien gibt Raum
Digital twin of Vienna

Logging objects in public space

Approval processes

- Sidewalk cafés

- Parklets

- Street festivals

- etc.

Co-shaping public space

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WAALTeR
Ambient Assisted Living

83 Viennese households

Smart technology support

Daily routine

Living an autonomous life

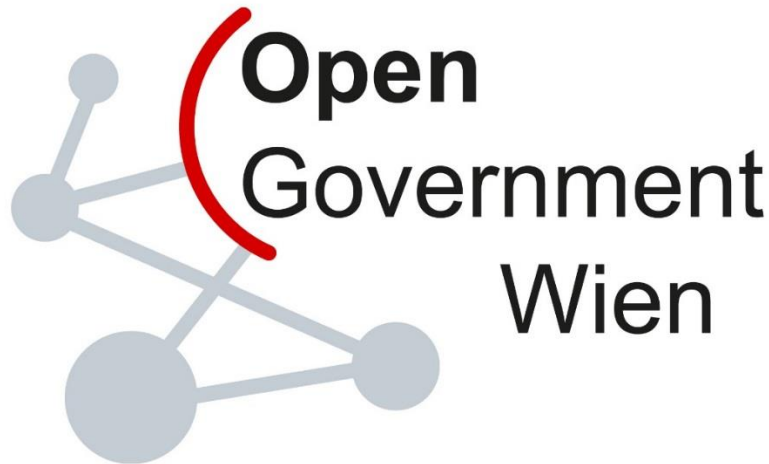Social integration

Open Government Data
Publicly available data

Data from the City of Vienna

Hundreds of data sets

- Air quality

- Public transport

- Tourism

- etc.

Usage in other applications

THANK YOU FOR YOUR ATTENTION!
CONTACT US
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