

The SymbioCity Approach

A CONCEPTUAL FRAMEWORK
FOR SUSTAINABLE URBAN
DEVELOPMENT



SKL/SKL International

- **SKL (SALAR – Swedish Association of Local Governments and Regions)**
- **SKL International is affiliated to SKL with mission to support decentralisation, local democracy and local governance on an international level**
- **Projects in Western Balkans, Africa, Asia and Middle East**
- **Global assignment from Sida to foster and develop the SymbioCity approach**



THE URBAN MILLENIUM

- **In 2030, 60% of people will live in cities globally**
- **Each year, 50 million people move to urban areas. This equals 140 000 per day!**
- **Challenges in service delivery and environmental impact**
- **Cities drive democratic, economic, social and cultural development**
- **Urban economy is crucial for national economic growth**
- **Challenge is to recognise, nurture and use this potential for inclusive and sustainable urban development**
- **Sectoral planning predominant in most countries**
- **Insufficient engagement of people in urban development**



SYMBIOCITY APPROACH

The SymbioCity Approach provides guidance and tools to support sustainable urban development processes

– based on the idea of turning challenges into opportunities.

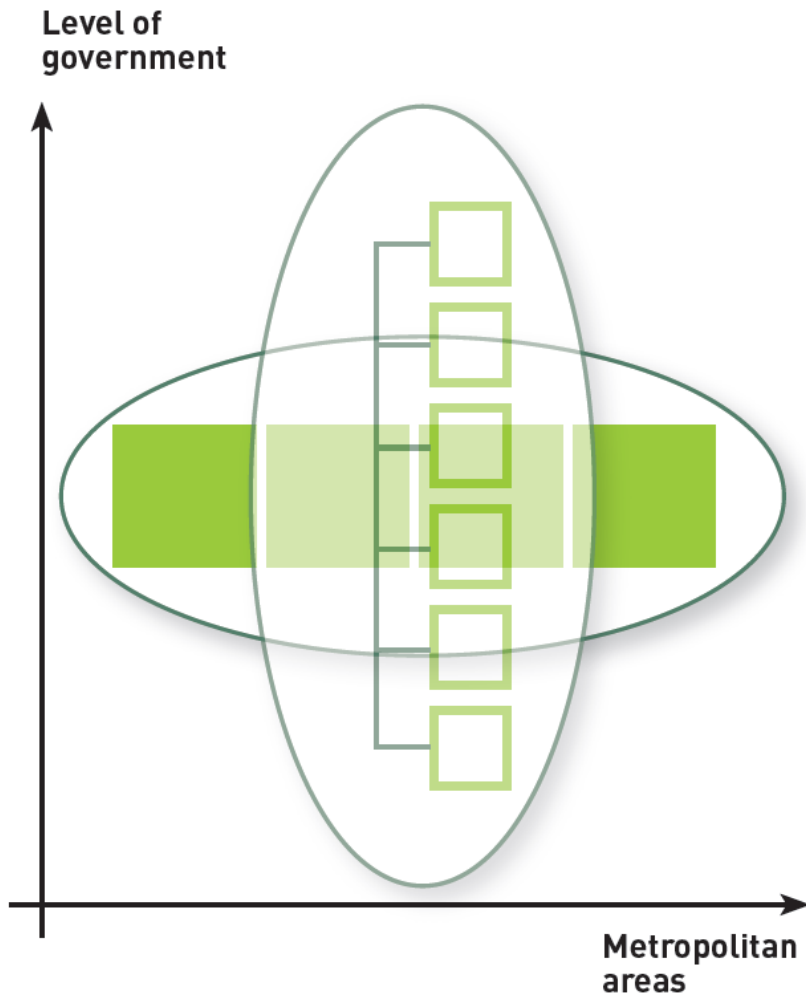
»The City is not a problem – it is a solution»«
Jamie Lerner, former Mayor of Curitiba, Brazil

CITIES ARE FOR PEOPLE



DRIVERS AT LOCAL LEVEL





**”Jurisdictional coordination
– *both vertical and horizontal* -
is one of the most pressing challenges
common to cities world-wide”**

FROM VISIONS TO PROJECTS



THE CONCEPTUAL MODEL



The Conceptual model emphasises a number of key factors that should be adressed in sustainable urban development

To contribute to the development of city-wide strategies as well as integrated systems solutions



PHOTO Peter Engström

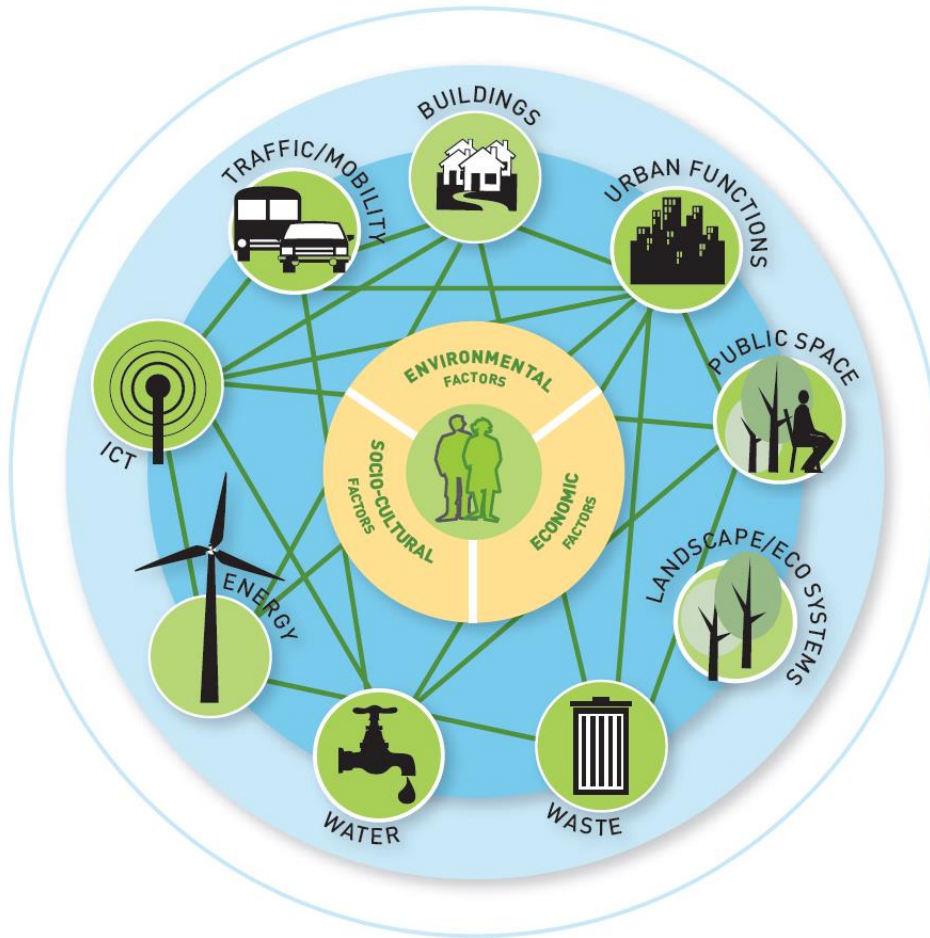


PHOTO Viera Larsson



PHOTO Skåten Larsson

URBAN SYSTEMS



The SymbioCity Approach promotes urban reviews and planning processes that consider potential synergies between urban systems – for added value

URBAN SYSTEMS AND POTENTIAL SYNERGIES

SymbioCity
SUSTAINABILITY BY SWEDEN

Synergies

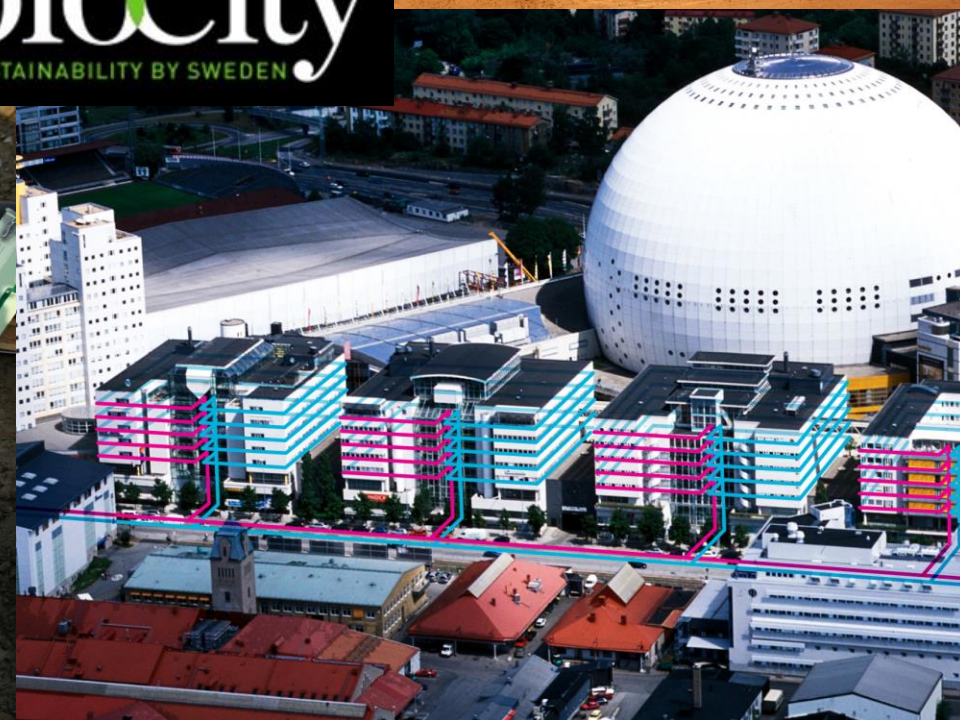
Symbiosis means the mutual integration of organisms in a mutually beneficial union. In this context symbiosis means finding synergies between urban systems that save natural resources and cost less.

$$1 + 1 = 3$$



SymbioCity

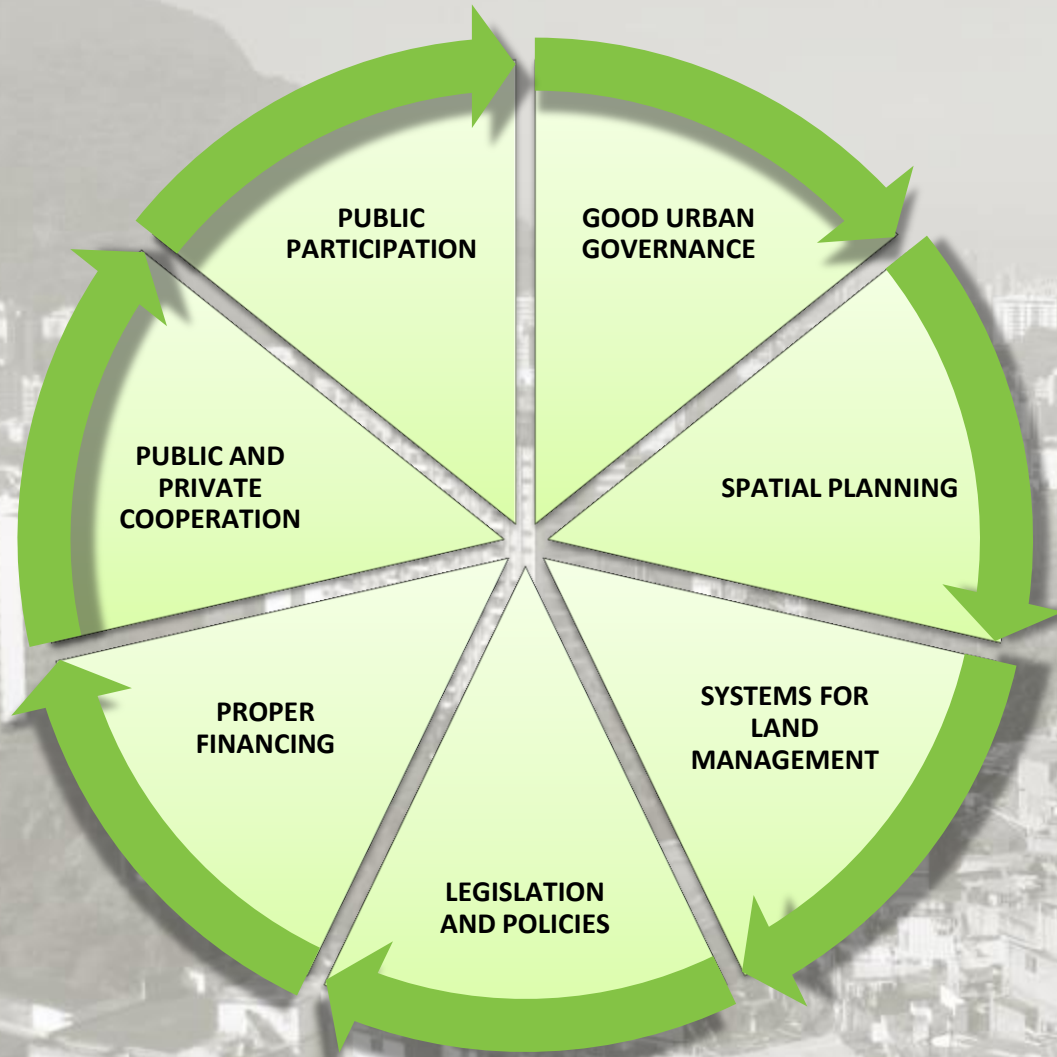
SUSTAINABILITY BY SWEDEN





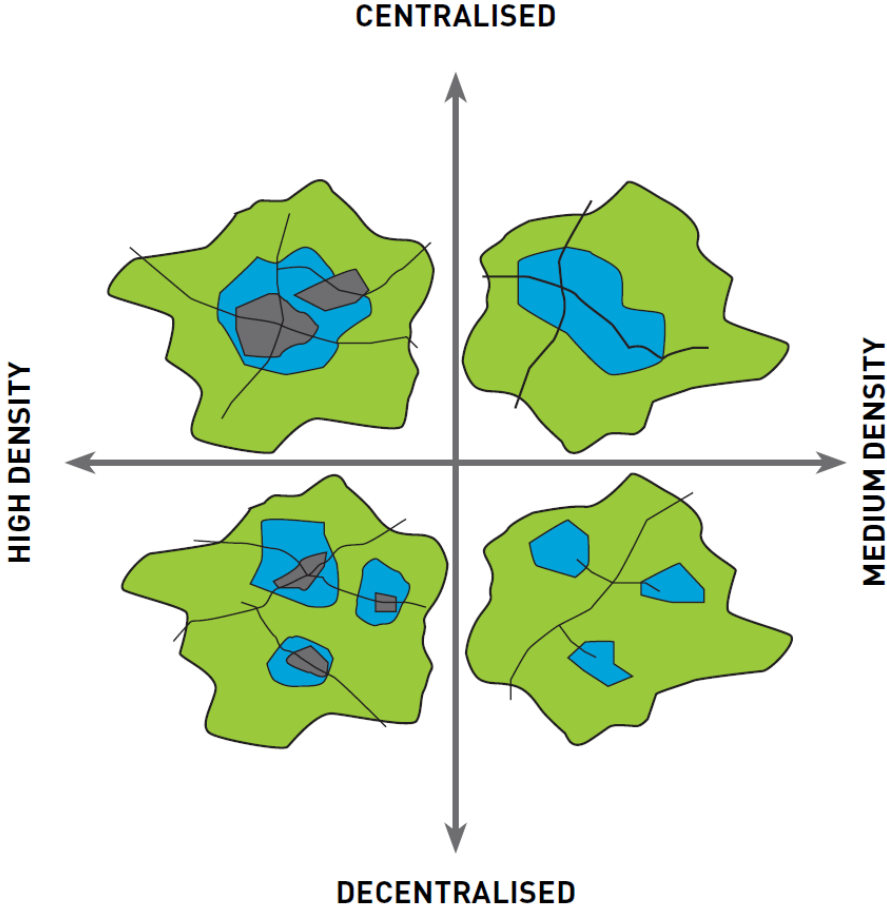
Café

INSTITUTIONAL FACTORS

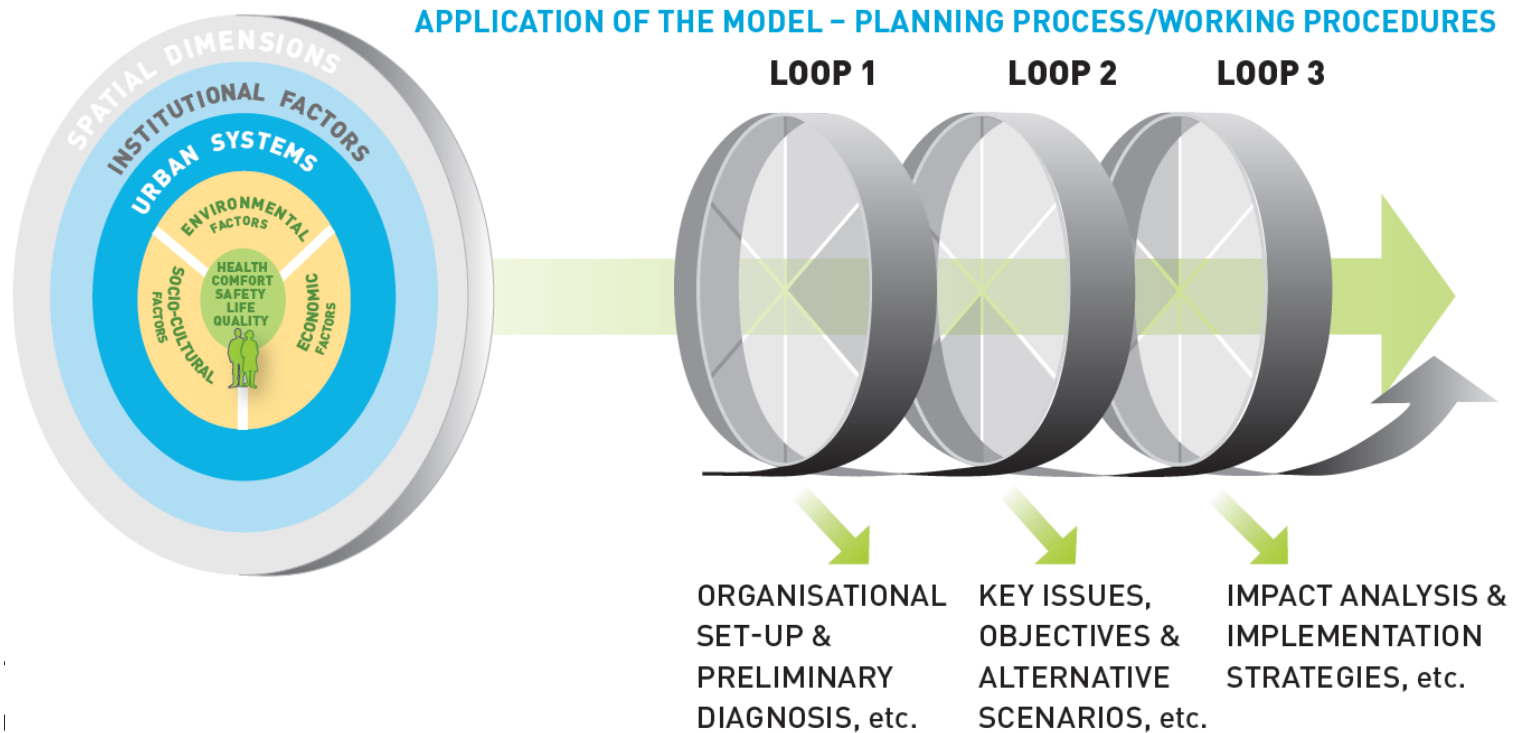


An effective institutional framework is essential to promote sustainable urban development and improve the urban environment

SPATIAL DIMENSIONS



A cyclical and iterative working procedure facilitates the integration of sustainability issues into urban and planning review processes



WORKING PROCEDURES – SIX GENERIC STEPS

STEP 1. Define and organise the sustainability review



STEP 2. Make a diagnosis of the current situation

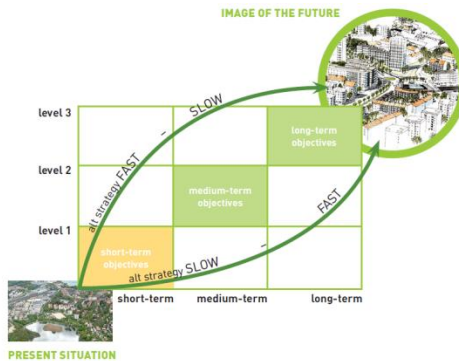


STEP 3. Specify Objectives

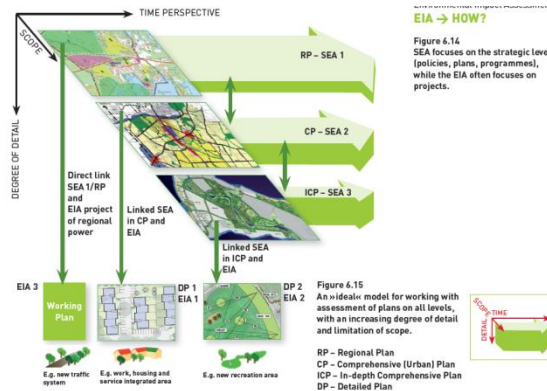
TABLE Y: Illustration of formulation of target levels

Environmental objective	Target levels				
	Excellent	Very good	Good	Less desirable	Not acceptable
Wastewater treatment/recycling of nutrients	>80% of the population	>80% of the population	>70% of the population	50-70% of the population	<50% of the population
Minimize the application of dual storm water	100% dual storm water	90% dual storm water	70% dual storm water	50% dual storm water	<40% dual storm water
Accessibility to neighbourhood park (>10ha, 80% of pop less than x metres)	<200m	<300m	>400m	<500m	>600m
Minimize land fill	<5%	10-20%	25-30%	30-40%	>50%

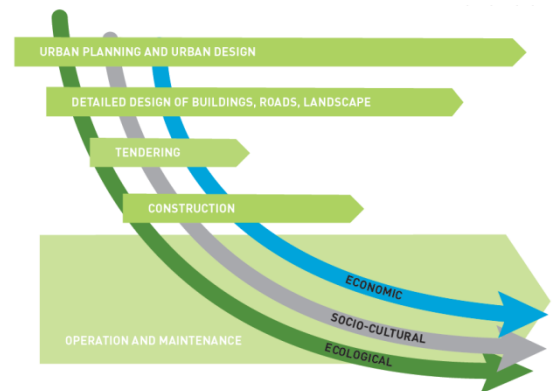
STEP 4. Develop alternative proposals



STEP 5. Analyse Impacts



STEP 6. Implementation and follow-up



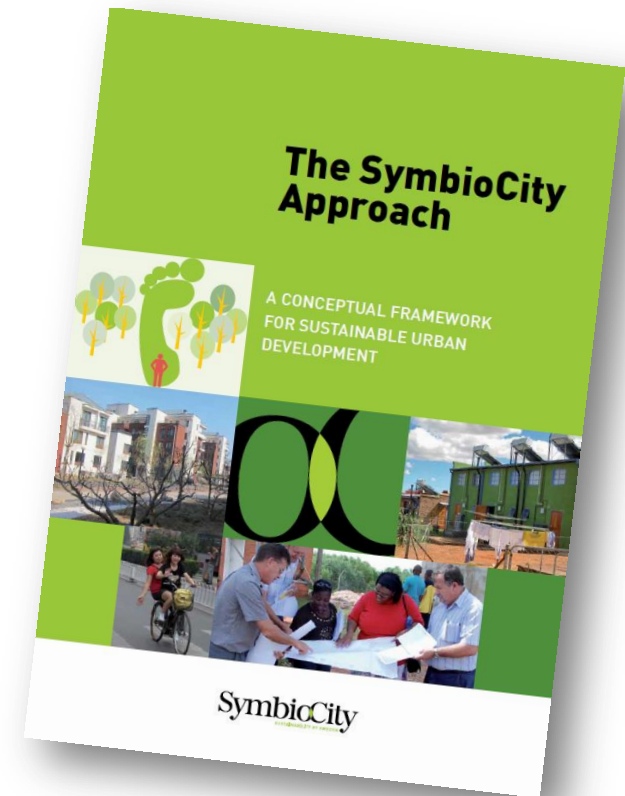


SymbioCity Approach in Practice



SymbioCity Approach Material

- **SymbioCity Approach 2.0** – an updated concept with stronger focus on socioeconomic aspects; climate change & spatial dimensions
- **Leadership for sustainable urban development** - a guide for decision makers
- **Process Guide for SymbioCity approach** – how to use methodologies & tools
- **Sustainable Cities in Sweden**– examples of sustainable urban development in Sweden



Capacity Development through SymbioCity Approach

International Training Programme in Africa & E-learning Programme in Asia



“It has made me understand that all crosscutting issues must be integrated to achieve sustainable development”

Participant in SymbioCity ITP-programme

APPLYING the SymbioCity Approach

Cooperation with China, Indonesia & Zambia – with focus on city's assets and possibilities



Teşekkürler!

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