

# A Guide to Circular Cities

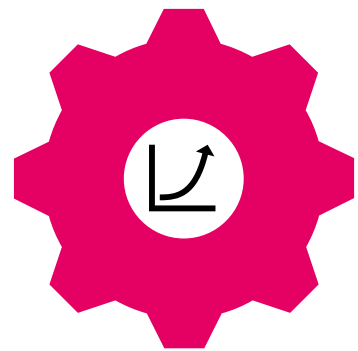
A U4SSC deliverable



# What are circular cities?

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Circular cities:



utilize assets and  
resources more  
efficiently



produce and  
consume more  
sustainably



apply circular design  
for large-scale  
positive impacts



# Circular cities, climate change and sustainability

Circularity in cities, sustainability and climate action are inextricably linked.





# The circular city implementation framework

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City assets & products



Circular actions



Circular city outputs



Circular city enablers

Components of the circular city implementation framework

# The circular city implementation framework

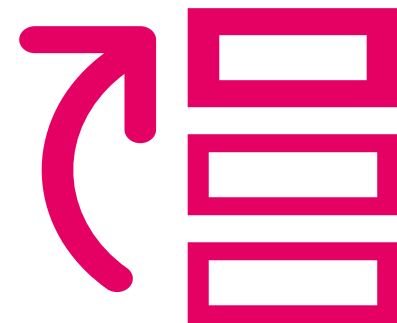
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1



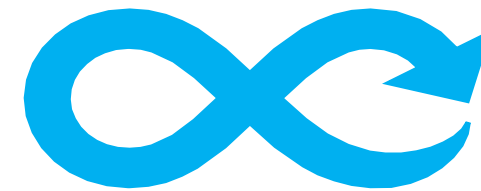
Assessing current  
circularity

2



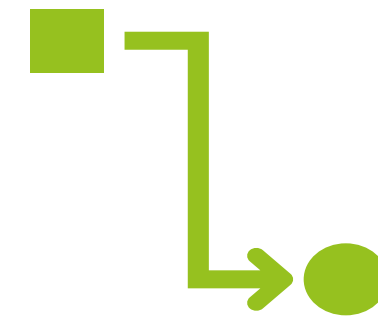
Prioritizing and determining  
future circularity actions

3



Catalyzing circularity

4



Assessing projected  
circularity impact

The four-steps of the circular city implementation  
framework

# Guide to circular cities: cases

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## Energy efficiency in buildings

Implementing Deep Lake Water Cooling (DLWC) in Toronto



## City solid waste management

Promoting recycling of municipal waste with SmartWaste in Spanish cities



## Affordable housing & social inclusion

Mitigating a housing shortage through WGE! In Vienna

# Guide to circular cities: cases

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## Urban mobility

Solving Dubai's mobility issues with smart e-hailing initiative



## Re-use of consumer goods & tools loaning

Recycling discarded textiles into premium ware in Delhi



## Reducing food waste

Collecting end-of-day surplus food and donating it to Mumbai's citizens in need



# Guide to circular cities: cases

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## Participatory urban planning

Understanding livability in Melbourne through its place-making initiatives & history



## Circularity to promote local businesses and digitization

Transforming the district of Buiksloterham in Amsterdam to a sustainable living & work area

# Conclusions

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Access the report and other U4SSC publications  
[HERE.](#)

# Thank you!

