

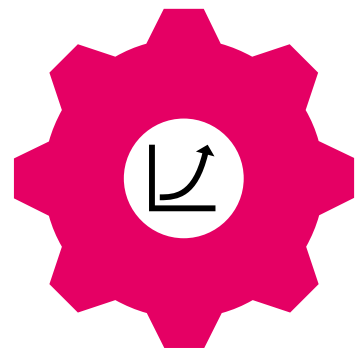
A Guide to Circular Cities

A U4SSC deliverable



What are circular cities?

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.



Guide to circular cities

The guide contains a circular city implementation framework that is designed to improve circularity in cities and support stakeholders in implementing circular actions.



The circular city implementation framework



City assets &
products



Circular actions



Circular city outputs



Circular city enablers

Components of the circular city implementation framework

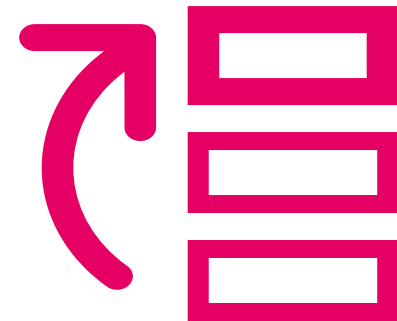
The circular city implementation framework

1



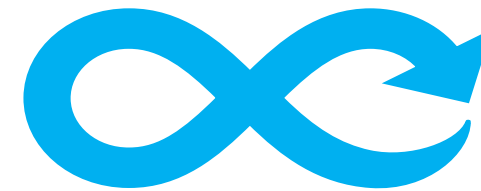
Assessing current
circularity

2



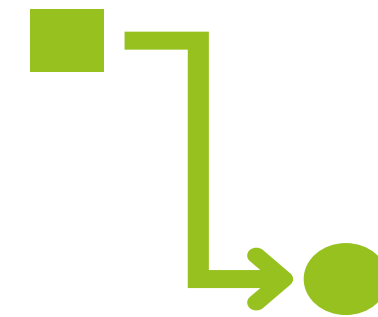
Prioritizing and determining
future circularity actions

3



Catalyzing circularity

4



Assessing projected
circularity impact

The four-steps of the circular city implementation
framework

Guide to circular cities: cases



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



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



Participatory urban planning

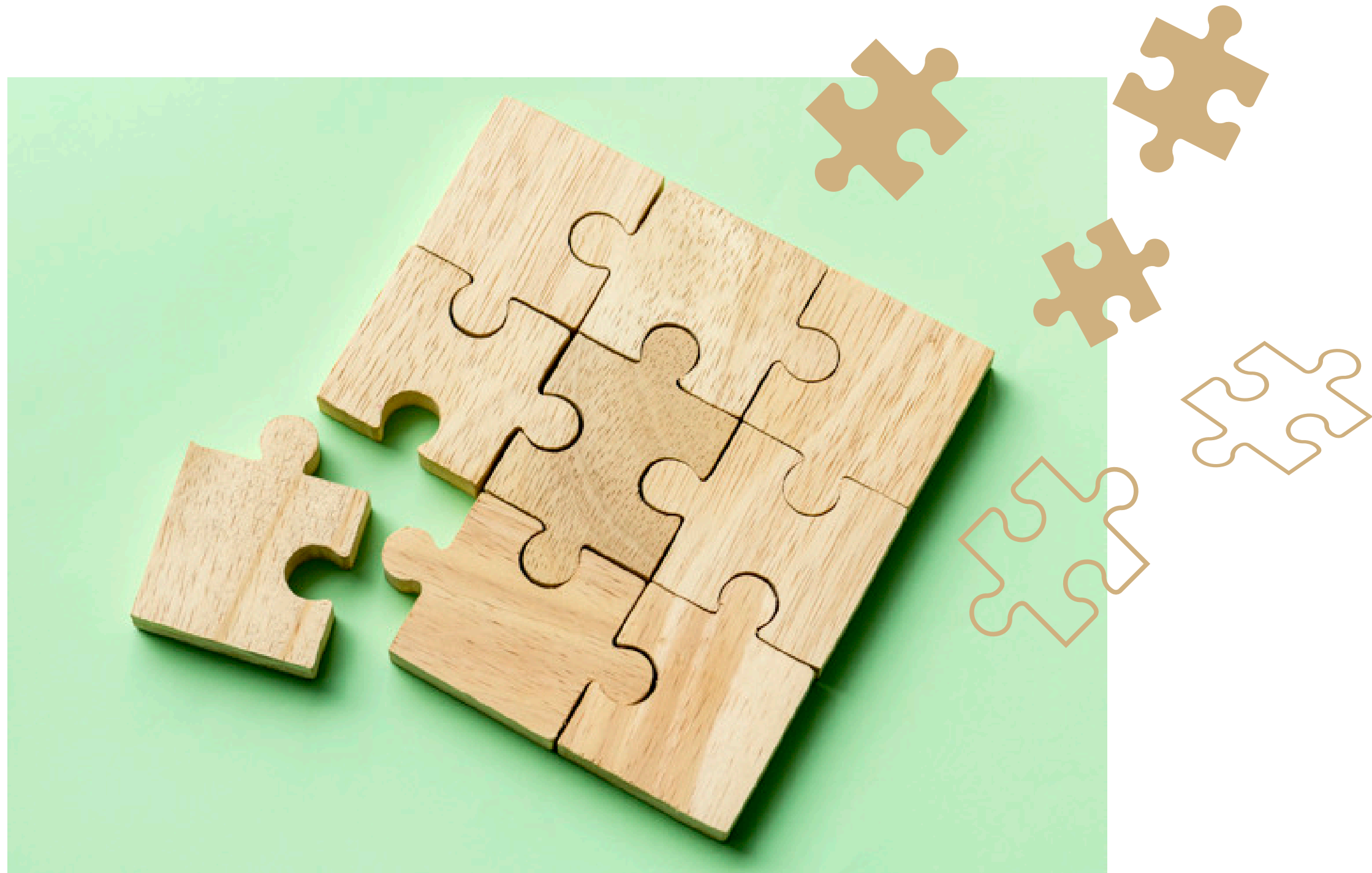
Understanding livability in Melbourne through its place-making initiatives & history



Circularity to promote local businesses and digitization

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

Conclusions



For more information, contact:

u4ssc@itu.int

Website:

www.itu.int/en/ITU-T/ssc/

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

Thank you!

