

ITUWebinars

10th Green Standards Week

*Driving Sustainable Digital
Transformation through
sustainable e-waste management
and circular economy*

14-16 December 2021
16:00-19:00 CET

<https://itu.int/go/GSW2021>



U4SSC – GUIDELINES ON STRATEGIES FOR CIRCULAR CITIES

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CITY ASSETS & PRODUCTS – POTENTIAL FOR CIRCULARITY



ACTION ITEMS FOR CIRCULARITY



- **Sharing**
- **Reusing**
- **Recycling**
- **Replacing**
- **Refurbishing**
- **Digitizing**

CIRCULAR POTENTIAL IN CITIES



| | | City Assets & Products | | | | | | | | |
|-----------------------|--------------|------------------------|-----------------------|---------------|-------------------|---------------------------------|-----------------------|-------|---------------|----------|
| Circular Action Items | | Buildings | Public Spaces & Infr. | Digital Infr. | Natural Resources | Human Related & Owned Resources | Private Sector Assets | Waste | Mfctrd. Goods | Services |
| | Sharing | | | | | | | | | |
| | Recycling | | | | | | | | | |
| | Refurbishing | | | | | | | | | |
| | Reusing | | | | | | | | | |
| | Replacing | | | | | | | | | |
| | Digitizing | | | | | | | | | |

Source: U4SSC "Guidelines on strategies for Circular Cities"

FOUR STEP HIGH-LEVEL IMPLEMENTATION FRAMEWORK



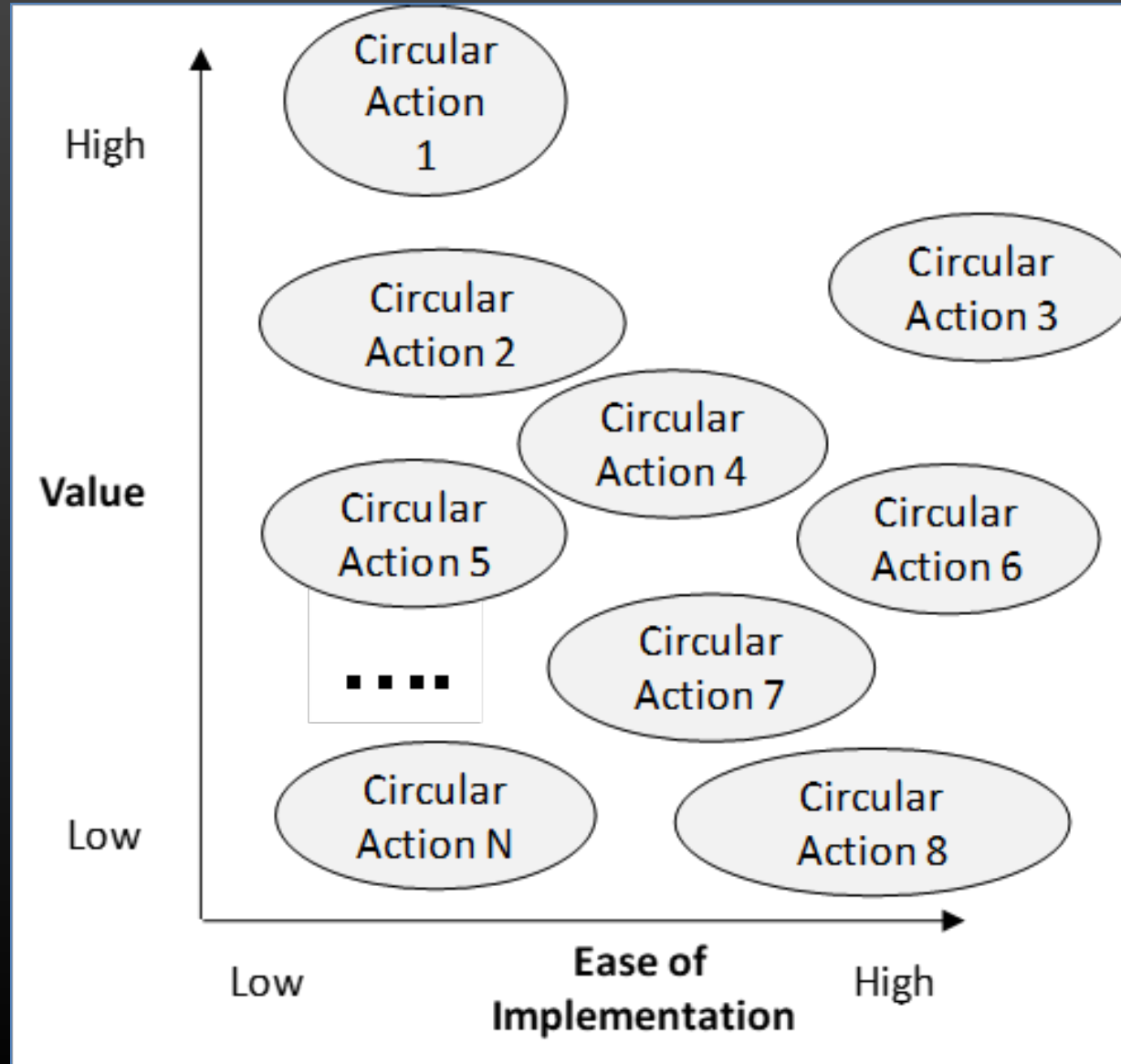
- 1. Assess Current Circularity (Baselining)**
- 2. Prioritize and Determine Future Circularity**
- 3. Catalyze / Boost Circularity**
- 4. Assess Projected Circularity Impact**



1. ASSESS CURRENT CIRCULARITY (BASELINING)

- **Are there circularity KPIs in place?**
- **Are there circular implementations?**
- **Are there enablers in place for circularity?**
 - Awareness & Skills Programs
 - Strategies, policies, regulations, laws
 - Procurement
 - Financial incentives
 - PPPs
 - R&D Programmes
 - Certifications
 - Circular start-up & SME support
 - Urban industrial symbiosis

2. PRIORITIZE & DETERMINE FUTURE CIRCULARITY





3. CATALYZE / BOOST CIRCULARITY

- **Determine the appropriate mix of enablers for prioritized circular action items**
 - Awareness & Skills Programs
 - Strategies, policies, regulations, laws
 - Procurement
 - Financial incentives
 - PPPs
 - R&D Programmes
 - Certifications
 - Circular start-up & SME support
 - Urban industrial symbiosis



4. ASSESS PROJECTED CIRCULARITY IMPACT

- **Are the target KPIs achieved?**
- **Are the action items effective?**
- **Are the enablers effective?**
- **Actual vs. intended outcomes**
- **Lessons learnt**



EXAMPLE CASES

SMART DUBAI – CIRCULAR ICT SERVICES & INFRASTRUCTURE

ROTI BANK - INDIA



**5.4 AED SAVED
BY THE GOV'T**



**FOR EVERY 1 AED
SPENT BY SDG
2003 - 2015**



WOHNBUDDY - VIENNA



- 60+ ICT services used by 50+ entities
- \$1.2billion saved in 12 years

SRI LANKA KIRINDA – WILD COAST TENTED LODGE



INDIA – USE OF PLASTIC WASTE IN ROAD CONSTRUCTION



TORONTO AND LONDON – THE LIBRARY OF THINGS



**THANK
YOU**