

# TEMPLATE

## Output factsheet: Tools

Version 1

<b>Project index number and acronym</b>	CE1125 CIRCE2020
<b>Lead partner</b>	ARPAV - Regional Agency for Environmental Protection and Prevention of Veneto
<b>Output number and title</b>	Output O.T1.2 - Tutorial for future application of the Material Flow Analysis for Replication purposes
<b>Responsible partner (PP name and number)</b>	ETRA spa - 2
<b>Project website</b>	<a href="https://www.interreg-central.eu/Content.Node/CIRCE2020.html">https://www.interreg-central.eu/Content.Node/CIRCE2020.html</a>
<b>Delivery date</b>	06.2018

### Summary description of the key features of the tool (developed and/or implemented)

Tutorial elaborated by ETRA to initiates practitioners (waste utility companies & industrial ecology experts) to perform material flow analysis moving from single production unit to multi-production units applied to territorial-based according to the CIRCE2020 approach. It contains basics of MFA parameters, technical sheet for data collections and guidelines for results interpretation (connected to D.T1.3.5). This first part serves as introduction to the concept behind the approach. Then, the tutorial gets voice to project partners that focus the discussion on relevant hints and outcomes emerged from the application of the tool at local scale. The tutorial aims to catch the attention of the external practitioner.

The link to the tutorial can be watched [here](#)

### NUTS region(s) where the tool has been developed and/or implemented (relevant NUTS level)

HU10, Közép-Magyarország. ITH3, Veneto.

## Expected impact and benefits of the tool for the concerned territories and target groups

Authorities and agencies operating at local scale can exploit the tool to analyze promising flows, assessing potential improvement with scientifically-sounding parameters and indicators. The tutorial aims to represent a user-friendly icebreaker to discover approach and materials available within the Circe2020 project. It contains some hints from the direct partners' experiences of implementation, gaining in reliability.

## Sustainability of the tool and its transferability to other territories and stakeholders

D1.3.4-M-scale analysis of the physical flows at local industrial system level are conceived to be exploitable beyond project duration since it provides scientifically-sounding indications of relevant by products suitable to encourage new productive models based on a circular economy business model, contributing to a coherent application of EU Action Plan 614/2015. D1.3.5 1tutorial is developed for future application of the MFA and for replication purposes to initiate practitioners (waste utility & industrial ecology experts) to perform material flow analysis moving from single production unit to multi-production units applied to territorial-based according to the CIRCE2020 approach. It contains basics of MFA parameters, technical sheet for data collections and guidelines for results interpretation. To be used in WPT4 as part of replication strategy for new CE multi-utilities. The validation procedure of the tool at the end of the project (D1.3.6) provides legitimization to the tool.

## Lessons learned from the development/implementation process of the tool and added value of transnational cooperation

The direct introduction of partnership provides reliability to the tool because of the relevant outcomes shared; thus a basis for further improvement is created. Considering the availability of additional material, a short video represents a good choice to catch attention of new stakeholders. The main challenge related to the MFA has been to find a standardize methodology and provide indicators. This application represents a valid experience to approach circularity, in addition validated on the field.

## References to relevant deliverables and web-links If applicable, pictures or images to be provided as annex

**Deliverable D.T1.3.4** M-scale analysis of the physical flows at local industrial system level

**Deliverable D.T1.3.5** Tutorial for future application of Material Flow Analysis for replication purposes (on line guide)

**Deliverable D.T1.3.6** Report on validation of the tutorial functionalities