# CESME Circular Economy & Return On Investment Toolbox

An introduction and short training course for Business and Support Agency Staff and Consultants and to be subsquently used in advisory/support sessions with SME's



## Training Objectives

- To demonstrate a methodology and a set of tools/templates to be used by business support agency staff & consultants to support SME'S in their adoption of circular economic practices and products, and demonstrate the added Social, Economic and Environmental value of these practices/products to the SME and the Territory!
- Experiment with a green and circular and assessment tool
- Understand the logic and practice of Social, Economic and Environmental Return On Investment





## Training approach

- This slideset represents a step by step methodology, based on six key steps to enable advisors and SME's to better understand and evaluate the process and impact of the adoption or uptake of circular products and processes, and the added value to the business and the territory
- It is an integrated approach where the understanding and use of a Green assessment tool is integrated with exercises which help demonstrate and evaluate Social, Economic and Environmental Return on Investment
- Use of role play and simulations to understand tools and templates (and help advisors use themin support/consultany sessions with SME's)
  - ► To undertake this exercise\* staff/consultants should to form a team which represents a selected SME from their region (note: the SME selected should be based on a real life example with circular potential)





## Overview of Training Course Steps to Assist SME's Circular Profiling & Social/Economic/Environmental Return On Investment Process

1: Establish SME goals

3: Identify, Map and design for SME circular transformation

2: Identify, proritise and map stakeholder and their desired impacts

> 4: Identify outcomes, indicators for SME circular transformation

5: Identify economic and proxy values for indicators

6: Undertake Return on Investment Analysis

### Programme: Content

Stage One - Identify a local SME with unlocked circular potential and its key stakeholders

- Fill in CESME Template 1: SME FACT SHEET to establish baseline details of your selected SME
- Fill in CESME Templates 2A + 2B: Define the goals /challenges of the business, breakdown and prioritise the goals

5

- Fill in the Template 3: Identify the Stakeholders who will be directly impacted by the changed direction the business will take
- Presentation of preparatory work for peer review (if working with multiple groups)
  - i) SME characteristics; ii) Goals and challenges;



#### Your SME, its goals, challenges and key stakeholders



## Prioritising Stakeholders II

#### Stakeholder power/interest grid

High **Keep Satisfied** Manage closely Source of significant risk Most important stakeholders • Careful monitoring and whose interests & expectations • management required should be carefully monitored and managed Influence Monitor **Keep Informed** Low priority stakeholders with Stakeholders with little material interest in Moderate interest or benefits Circular 'change' - low Occaisional monitoring Monitoring required required Low High **Relevance or interest** 

2. Stakeholders

Prioritise

# Green and circular Assessment tool





#### Programme:

#### Green and circular assessment tool: presentation

#### Stage 2: Circular opportunities

- i. Overview and inspiring examples
- ii. Presentation and use of the Tool
- iii. Circular assessment exercise
- iv. Circular strategies brainstorming and priorization
- v. Presentation of circular strategies
- vi. Stakeholder assessment exercise



#### CIRCULAR ECONOMY - an industrial system that is restorative by design



## Design, manufacture and distribute



We are Yuma: circular sunglasses



Toast ale: brewing from surplus bread





11

## Usage





Flint and tinder: 10 year warranty hoodie





## Reuse, redistribute



Toronto tool library



13

the own of the line manifest had thereign on hand



## Refurbish, remanufacture



Valtra: remanufactured gear boxes





## Recycle



Lassila & Tikanoja: wood pallet recycling





Europe

I a caracterist [ Income logo and Development Fund

### Product as a service







Lease a jean (mud jeans)

Lighting as a service (Philips)



# Identifying the benefits: Circular economy toolkit

- The Circular Economy Toolkit supports businesses in developing more environmentally sound decisions which will create new opportunities, save money and attract new customers.
- With the vast number of possibilities for creating value out of the Circular Economy, it can be challenging to assess all the options.
- The Circular Economy Toolkit has consolidated all the opportunities and provided information on how a company could start finding benefits.

www.circulareconomytoolkit.com







Europe

Excess and the set for meanings and beautigm and hand





#### Exercise: online assessment

In your team, browse the website to understand the strategies and take the assessment online (<u>www.circulareconomytoolkit.com</u>)



the same strend the most loss and booklast and him-





### Exercise: prioritize your circular strategies

List your circular ideas and proceed with a first evaluation in order to prioritize your options and detail the benefits



CESME Interreg Europe

e to your ness practices *	List invostments require to make these change	List benefits to business from the	List benefits to othe	re List benefits to	
		changles	stateholders	territory	
				lane -	
to develop To visualise	a map or chart, w	hich visualizes a			
	stage and une	ferstand the implical	ife-cycle*' of the ni tions to the busines	ew circular produce	
	c,	cular economy training - CESher	and and the	55 IN Question	
				The Europe	

### Circular Economy forum

- Each team presents its 2-3 most promising circular ideas
- Each participant can vote for the best ideas among all the groups









#### Social (Economic & Environmental) Return on Investment

Social Return on Investment (SROI) is an outcomes-based measurement tool that helps organisations to understand and quantify the social, environmental and economic value they are creating.

Developed from traditional **cost-benefit analysis** and social accounting, SROI is a participative approach that is able to capture in monetised form the value of a wide range of outcomes, whether these already have a financial value or not. An SROI analysis produces a narrative of how an organisation creates and destroys value in the course of making change in the world, and a ratio that states how much social value (in  $\in$ ) is created for every  $\in$ 1 of investment.

SROI measures change in ways that are relevant to all the people or organisations that experience or contribute to it *- the stakeholders*. It tells the story of how change is being created by measuring social, environmental and economic outcomes and uses monetary values to represent them.



## Stakeholder interest assessment

#### Determining stakeholders' interests:

You need to investigate the roles, relative influence/power and capacity to contribute to the project, in order to draw out principal interests for each stakeholder group. Key questions could include:

- What are the contributions the stakeholder can give to the project and what resources are they likely to commit (or avoid committing) to the project?
- What interests the stakeholder has in the project and what are the benefits it can get?
- ▶ What are the stakeholder's expectations and requirements of the project?
- What other interests does the stakeholder have that may conflict with the project?
- ▶ What actions can be taken to address the stakeholder's conflict of interests?

26



## Stakeholder interest assessment

#### **TEMPLATE 5: STAKEHOLDER Interest and Benefits**

Name of the SME:

Instructions

a) Read your 5 stakeholders persona sheets again

b) Fill up the stakeholders mapping template below

Stakeholder	Interests and benefits from the circular innovation	Contributions and resources they can provide	Expectations from the circular innovation	Do they have any conflicting interests with the proposed change	Are there actions you can take to address these conflicts

CESME

Circular economy training - CESME





Europe

Excession of the second provide the second s



Overview of Circular Profiling & Social/Economic/Environmental ROI Process

CESME Interreg Europe



# Overview of the next steps you will be taking in modules 4 + 5

- Clarification of the impacts
  - Which process or product?
  - What are the impacts for each stakeholder (group)
- Identify one indicator for each impact
  - That allows you to measure the impact and which is reliable, robust, continuously available etc.
- Define measurement and analysis
  - ▶ Define and decide on how to practically conduct the measurement and how often.
  - ▶ Define how to analyse and judge/rate the output data with regards to the prioritised goals.
  - > Define baseline or benchmarking method to account for external influences on indicators (if needed).
- Circular requirements
  - ▶ Define Process/product Requirements -Goals/Business, Functional and Non-Functional.
  - ▶ Take into consideration the above *indicators* and how it will affect the requirements.



## Examples of circular impacts

Recup Design: upcycling of old furniture

Environmental impact: waste reduction, landfill reduction

Social impact: employment of socially/economically excluded

Economic impact: value creation from discarded material



30

www.labeur.be/recup-design/over-recup-design



## Examples of circular impacts

Permafungi: urban mushroom production

Environmental impact: coffee waste reduction, less landfill, reduced CO2

Economic impact: value creation from waste (no-cost raw material)

Social impact: Selfesteem through new skills, improved mental health



www.permafungi.be



the case was well for more loss and therefore and free



## Examples of circular impacts

Taleme: leasing of ethical maternity clothes

Environmental impact: **Reduction of** fertilisers/pesticides through use of organic clothes, longer product life

Economic impact on families: access to good quality clothing at lower than 'bought' price

Social impact: fair trade/ ethical working contracts with suppliers (investment in medical centre/schools....)





www.taleme.be



## Identification of Circular Impacts

 Using Slides 11 - 16 (or your own examples) identify two impacts for each category

33

- Economic
- Social
- Environmental



## Indicators

- **Task:** identify one (only 1) indicator for each impact.
- An indicator provides evidence that certain results have or have not been achieved. This is the information that you need to collect to determine whether your outcome has been met. The indicator will need to, by whom and when.
- Start with the ones with the highest impact.
- The ambition now is to find a set of indicators that are common to each 'Circular' Group; besides this there may be additional indicators that are specific to each product, process or region.





## Indicator requirements

- Relevant and understandable (by stakeholders)
- Robust (low dependency on external factors)
- Measurable/Quantifiable
- ► Traceable

CESME Interreg Europe

Statistically significant



## Data collection and analysis

- 1. Describe and decide on how to practically conduct the measurement and how often
- 2. Define how to analyse and classify the output data with regards to your prioritised circular product or process goals.
- 3. Define baseline or benchmarking method(s) to account for external influences on indicators (included in model impact map).



## Collection of data



TEMPLATE 7: INDICATORS



Circular Product or process	Outcome: What is the change or desired effect in short/ medium (+ long) term?	Indicator: What will you collect to measure change	Data source: How will you collect data



38

Europe

the read office | the mean loss wall breakly not fried

#### Valuation techniques for indicators



# Proxies as means of allocating value to social and environmental outcomes

- Well being (QALYS Quality Adjusted Life Years) Mental Health 0.352 Qualy value of €12000 per year
- Personal Well-Being: Emotional

	Well-being domain	Proportion of overall value	Financial value
Personal well-being	Emotional well-being	10%	£1,056
	Satisfying life	10%	£1,056
	Vitality	10%	£1,056
	Resilience and self-esteem	10%	£1,056
	Positive functioning	10%	£1,056
Social well- being	Supportive relationships	25%	£2,640
	Trust and belonging	25%	£2,640

Valuing Carbon:

Methods:

Social cost of carbon (SCC) i.e. damage done by a tonne of carbon emissions (source Stern Review 2009) value: 70 -240€ /T

Traded Market Price on European Trading Scheme (electricity): (Value 2014 0-20€/T (EC)

Direct: Equating Emissions reduction with fuel use reduction and real-life vehicle costs, road-wear and tear etc.

40



# Identifying Values



**TEMPLATE 8: VALUES** 



PRODUCT OR PROCESS INDICATOR	PROXY/MARKET VALUE	FINANCIAL VALUE PER UNIT	INFORMATION SOURCE
<u>.</u>			







## Circular - process/product?

## **CESME Return on Investment Calculator**

#### CESME Circular Return on Investment Calculator



Overview of Circular Profiling & Social/Economic/Environmental ROI Process







Erwan Mouazan Erwan.mouazan@ecovala.eu Clive Peckham utopeck@gmail.com



Europe Contents