



LCA4Regions

Interreg Europe



European Union
European Regional
Development Fund

Thematic Workshop on TLJ1

Implementation of LCA in environmental and resource efficiency policies

Maria Grazia Pedrana, Roberto Canobio

Lombardy Region - Italy

Maria_Grazia_Pedrana@regione.lombardia.it

Roberto_Canobio@regione.lombardia.it

15-16th January, 2020 □ Thematic Learning Journey in Kaunas (KTU)

Contents

- Regulatory Framework
- Regional policies
- Regional partnership
- Good practices



Regulatory Framework

Green Public Procurement

Based on the law n.296/2006 and adopted through a national decree approved on April 2008, the National Action Plan on GPP is the key step in Italian regulatory framework introducing environmental criteria for the public procurement. The NAP identify the priority sectors of intervention for GPP according to their environmental relevance and to the volume of public spending (e.g. buildings, energy service, textile, etc.).

The Plan included methodological guidance on setting up sustainable procurement to support the Italian public institutions to include environmental criterial in their tenders. These environmental criteria were mainly technical guidelines, to be adopted by public authorities on a voluntary basis.

Then, with the Italian law 221/2015 a new approach to GPP has been adopted: Environmental Minimum Criteria for public tenders elaborated by the Ministry of the Environment become **mandatory** (the National code of Public contracts has been modified accordingly, Decree 50/2016).

The law introduced measures to enhance the adoption of certifications (Ecolabel, PEF, ISO14001, EMAS) and LCC criteria for the evaluation of the offers.

Regulatory Framework

Made Green in Italy

A national voluntary scheme in line with EC Recommendation 2013/179/EU (PEF - Product Environmental Footprint and OEF – Organization Environmental Footprint) has been set up with the Decree 21 march 2018 n. 56 of the Ministry of the Environment to increase the competitiveness of the Italian eco-products on national and international markets.

The scheme aims at:

- promoting sustainable patterns of production and consumption;
- fostering eco-competitiveness of Italian small and medium enterprises;
- improving the environmental performance of products;
- reducing environmental impacts generated during their life cycle;
- enhancing citizens' awareness;
- promoting sustainable consumption;
- ensuring transparency and comparability of environmental performance of products.

Regional Policies

The Regional Development Program (2018-2023) made sustainability one of the five priorities of the actions to be carried out by the Regional Government, as a *"distinctive feature of the administrative activity and an opportunity to improve the quality of life of the people living in Lombardy. This should be achieved by meeting the needs of productive growth and by involving all local stakeholders: from businesses, to citizens, from schools to public administrations"*.

Resources efficiency, circular economy, energy transition and decarbonization are the pillar of the sustainable development in Lombardy.

Approach >> Enhancing by doing

Some example

- **Policy making**

LCA as a strategic support decision tool in the preparation of the waste management program (2014): fluxes of materials characterised in terms of quantity, composition and destination; treatment plants analysed in terms of their capacity, energy and materials consumption, emissions in the environment, energy and materials recovery >> baseline scenario evaluated with LCA methodology and definition of 4 possible waste management scenarios.

For the new waste management plan with a circular economy approach >> LCA of construction and demolition waste

• Policy Implementation

The Environmental Authority (EA) for Structural Funds was established in Italy during 2000-2006 Structural Funds (SF) programming period. Main tasks of the EA are to integrate sustainable development principles in SF Programmes implementation and to verify and enhance their compliance with EU environmental legislation and policies. The regional EA supports the Region to improve the sustainability of the regional policies by:

- drawing up calls for local authorities financing sustainable development tools and strategies (e.g. Local Agenda 21, GPP, EMAS);
- developing environmental criteria to be included in calls covering topics such as tourism and heritage valorization, transport, energy efficiency in buildings, in order to select top performing projects;
- conducting environmental assessment of integrated territorial initiatives and strategies (e.g. Leader/CLLD, Strategies for Internal Areas);
- setting up and managing the environmental monitoring of SF Programmes, according to SEA Directive and national implementation

• Funding re-addressing

In a regional tender to promote innovation for circular economy, funding of projects which applies the Life Cycle Thinking (eco-design, change of business models, etc.)

Regional Partnerships

REGIONAL OBSERVATORY FOR CIRCULAR ECONOMY AND ENERGY TRANSITION

GOAL >> Building of a common path to face the two main challenges that will characterize our development model in the coming decades: the decarbonisation of the economy and the transition to a circular economy. The working proposal is to deal with the issues of transition with a common reference framework, first of all sharing some general objectives, and then defining areas of study in some sectors or production systems that are particularly important for our territory.

PARTICIPANTS >> **Business:** Confindustria Lombardia, ANCE Lombardia, Confapindustria Lombardia, CNA Lombardia, ANPAR, Confartigianato Lombardia, Unione Artigiani Lombardia, Confcommercio Lombardia, Confesercenti Lombardia, Federdistribuzione Lombardia, Confagricoltura Lombardia, Coldiretti Lombardia, CIA Lombardia, Legacoop Lombardia, Confcooperative Lombardia, AGCI Lombardia, Unioncamere Lombardia; **Trade Unions;** **Local authorities** (ANCI, UPL); **Associations:** Altroconsumo Lombardia, Legambiente Lombardia, WWF Lombardia; **Research:** all the Universities in the Region (10), ENEA, RSE.

AGREEMENT FOR SUSTAINABLE DEVELOPMENT IN LOMBARDY

GOAL >> The subscribers commit to: implement the principle of sustainable development within its own scope of activity, contribute to the creation of the Regional Strategy for Sustainable Development, define independently and according to its own nature, organisation and purpose, their own commitment schedule and their implementation time

SUBSCRIBERS >> 60 subjects, 12 of them have already presented their Action Plan (commitment to 46 actions)

Regional Good Practices

- LCA CONSTRUCTION AND DEMOLITION WASTE

- Calculation of the flows of C&D waste produced and managed in Lombardy and evaluation of the market condition for such materials;
- Evaluation of the current C&D waste management system to identify any critical issues;
- Elaboration of alternative scenarios to readdress the waste management plan according to the new circular economy targets.

- PREFER - PRoduct Environmental Footprint Enhanced by Regions

The project – developed from 2013 to 2016 - was aimed to test the PEF – Product Environmental Footprint at 8 average products representing 8 clusters. The pilot clusters in Lombardy were textile and wood district, plus the Northern Italy industrial tomato cluster involving different regions.

Several companies (43) were involved to evaluate the overall textile cycle of the District. 7 companies - specialized in manufacturing 100% cotton tablecloth - were involved in the PEF methodology experimentation and data collection.

In the wood district 9 sawmills have provided the data used to calculate the environmental footprint of the average product (the wooden roof). 3 sawmills tested PEF methodology for calculating the environmental footprint of their products

LCA4Regions

Interreg Europe



European Union
European Regional
Development Fund

Thank you!



Questions welcome

www.interregeurope.eu/LCA4Regions