



# LCA4Regions

Interreg Europe



European Union  
European Regional  
Development Fund

## Action Plan for the Cohesion region Western Slovenia

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Brussels, Belgium • 6 June 2023

# Summary

1. Proposed actions
2. Implementation of actions



## Two actions



# Policy context

The Action Plan aimed to impact:

- European Territorial Cooperation Programme
- Other regional development policy instruments

## **Name of the policy instrument addressed:**

Operational Programme for the Implementation of the EU Cohesion Policy for the period 2014–2020; Slovenian Smart Specialisation Strategy – Area of Application 2.2: Networks for the Transition into Circular Economy (Environmental policy instrument → Life Cycle Methodologies)



# Action 1: Green Public Procurement Optimization

## Slovenian Public Procurement Directorate

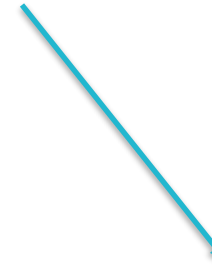
MINISTRY OF PUBLIC ADMINISTRATION



Division for the Public  
Procurement System



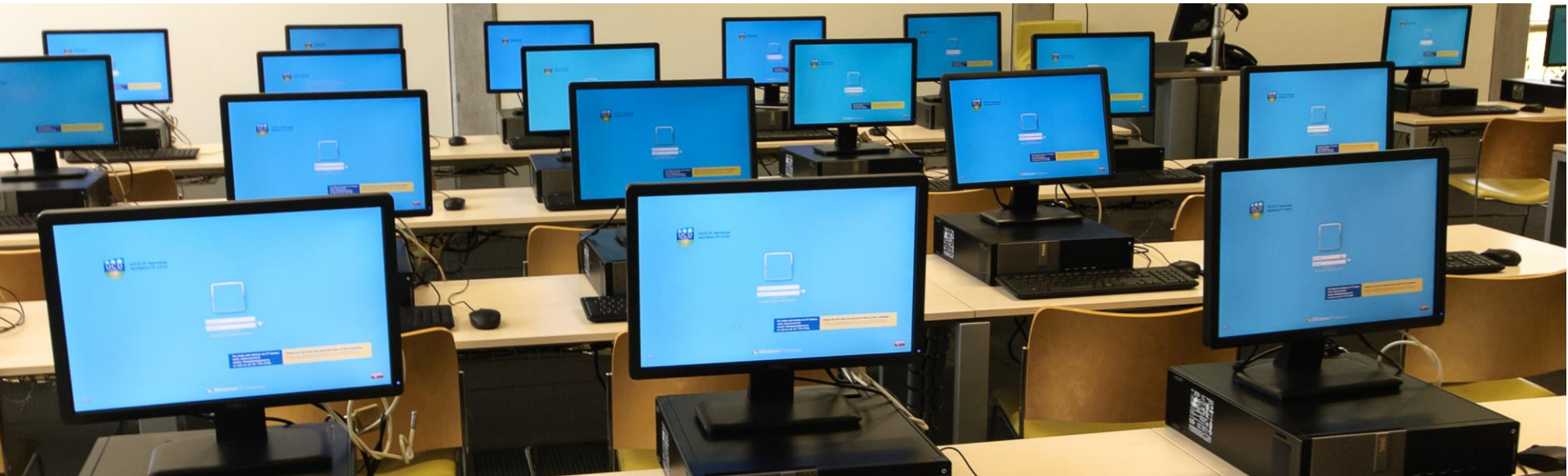
Division for E-Procurement,  
Consultation, and Analytics



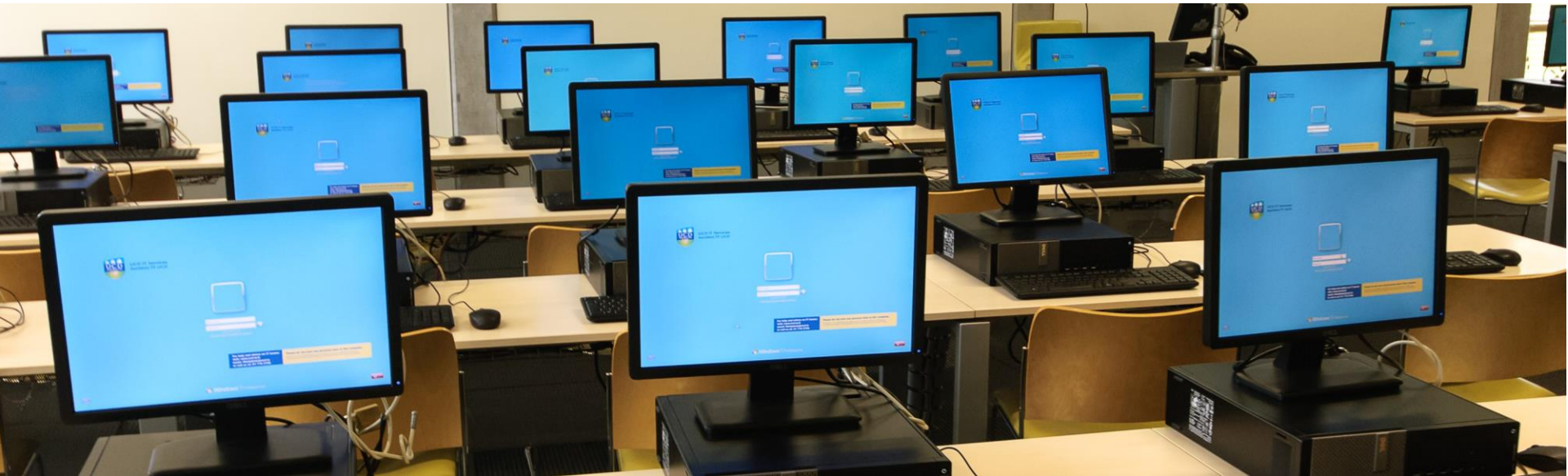
Division for the Implementation  
of Public Procurement



Our plan was to study, present and implement **mathematical models/tools** for green public procurement (LCA costing model, i.e. LCC calculators) into the Slovenian Public Procurement system (legislation and procedures) to help with **calculating the costs of the purchase** and use when buying **goods** (i.e. computers and monitors) for public authorities.



We presented the idea about LCC calculators to the Slovenian Public Procurement Directorate. Further, we were in active communication with the Ministry of the Environment and Spatial Planning and the Slovenian Public Procurement Directorate, where we obtained a support for concrete actions towards improvement of the current public procurement legislation. In particular, we got the confirmation on implementing this LCC model by modifying the Decree on Green Public Procurement.



# Timeframe

**Spring/Summer 2022** – Studying the Polish LCA cost model, adapting it to the Slovenian procedure, preparing the guidelines and other presentation materials; Meetings with the Slovenian authorities and presentation of the LCA costing model options; Starting the implementation of the LCA costing model (23 November 2022)

**Autumn/Winter 2022/2023** – Final implementation of the LCA costing model (submitted on 27 March 2023)

**Spring/Summer 2023** – Monitoring the implementation of the Action 1 and assessment of the results (ongoing).





Uporabniški priročnik za  
**orodje za izračun stroškov v  
življenjski dobi**  
za zelena javna naročila  
**računalnikov in monitorjev**



# Life Cycle Costing Tool for Computers and Monitors

**Vnosi in rezultati**

Kot javni organ ne pozabite, da morate vnesti podatke samo v BELE celice v oddelku A. Kliknite zgornji gumb [+], če želite primerjati do 10 izdelkov.

**A) Podatki, ki jih predloži javni naročnik: Običajni parametri za izračun stroškov v življenjski dobi**

**Identifikacija izdelka:**

c	Referenca izdelka v ponudbi:	A	B	C	
c	Vrsta opreme:	Računalnik – namizni	Monitor	Notesnik – običajni	[KLIKNI ZA IZBIRO]
	Število enot, ki jih je treba zaotovati:	10	10	5	

**Osnovni parametri za izračun stroškov v življenjski dobi:**

	Država	Slovenija	Slovenija	Slovenija	Slovenija
	Valuta	EUR	EUR	EUR	EUR
	Trajanje pogodbe o zaotavljanju storitev v skladu z razpisom	5,00 let	5,00 let	5,00 let	5,00 let
c	Obdobje ocenjevanja stroškov v življenjski dobi	5,00 let	5,00 let	5,00 let	5,00 let
c	Diskontna stopnja (neobvezno)	5,0%	5,0%	5,0%	0,05
	Cena električne energije	0,11 EUR/kWh	0,11 EUR/kWh	0,11 EUR/kWh	0,11 EUR/kWh
c	Letno povišanje cene električne energije (neobvezno)	5,0%	0,05	0,05	0,05

**Drugi stroški organa (neobvezno):**

c	Drugi začetni enkratni stroški	EUR/enota	10,00	10,00	10,00	
c	Zavarovanje, davki in pristojbine	EUR/leto.enota	100,00	20,00	100,00	
	Stroški obresti	EUR/leto.enota				
c	Drugi letni stroški	EUR/leto.enota	50,00	10,00	50,00	
c	Amortizacijska stopnja za preostalo vrednost izdelka (pri nakupnih pogodbah)	%	33,0%	33,0%	33,0%	

**Podatki o porabi energije za izračun stroškov delovanja:**

c Poraba energije se oceni na podlagi:

c	Lastni profil porabe časa za računalnike:		Letna vrednost TEC ali razčlenjena zahtevana moč v različnih načinih uporabe, kot jih opredeljuje Energy Star.	Letna vrednost TEC ali razčlenjena zahtevana moč v različnih načinih uporabe, kot jih opredeljuje Energy Star.	Letna vrednost TEC ali razčlenjena zahtevana moč v različnih načinih uporabe, kot jih opredeljuje Energy Star.	[KLIKNI ZA IZBIRO]
	Izklopljeno	%	Te celice pustite prazne.		Te celice pustite prazne.	
	Mirovanje	%				
	Daljša nedejavnost	%				
	Krajša nedejavnost	%				
	Lastni profil porabe časa za monitorje:			Te celice pustite prazne.		
	Izklopljeno	%				
	Vklopljeno	%				

**Za upoštevanje stroškov zunanjih okoljskih vplivov (neobvezno):**

	Emisije ekvivalenta CO <sub>2</sub> , nacionalne mešanice virov električne energije	kg ekvivalenta CO <sub>2</sub> /kWh	0,437	0,437	0,437	0,437
	ali					
c	Vpišite emisije ekvivalenta CO <sub>2</sub> , na podlagi vaše pogodbe o dobavi električne	kg ekvivalenta CO <sub>2</sub> /kWh	0,44	0,44	0,44	0,44
c	Stroški ekvivalenta CO <sub>2</sub> ,	EUR/T CO <sub>2</sub> eq	90,00	90,00	90,00	90,00

**B) Podatki, ki jih predložijo ponudniki: Informacije o njihovi ponudbi (predložene prek »LISTA ZA PONUDNIKOVE PODATKE«)**

Uvod | **Vnosi\_in\_rezultati** | List\_za\_ponudnikove\_podatke | Grafični\_rezultati | Opredelilive\_in\_formule | Referenčni\_podatki | Izračuni

## Action 2: LCA training/workshop

Smart specialisation is a strategy for strengthening the **competitiveness of economy**, **innovation capacity** and the **diversification of the existing industry** as well as the growth of new and booming industries and companies, respectively.

The **Strategic Research and Innovation Partnership** – Networks for the transition into circular economy is a connection of Slovenian business subjects, educational and research institutions (RDI), non-governmental organizations and other interested parties, in collaboration with the state, aiming to establish new value chains according to the economic principles of closed material flows.



Our plan was to study the circular economy training course (good practice from the Navarra region) and present it to the interested participants from the **Chamber of Commerce and Industry of Štajerska** – the leader of the **Strategic Research and Innovation Partnership – Networks** for the transition into circular economy. Therefore, it was very suitable for organizing our action of LCA training/workshop.



Chamber of Commerce and Industry of Štajerska



In this action, we initiated a debate about the improvements, including all relevant stakeholders and participated at the Government-initiated public debate on concrete changes in the policy instruments.



Chamber of Commerce and Industry of Štajerska



# Timeframe

**Spring/Summer 2022** – Studying the circular economy training course example, adapting it to the Slovenian business needs, preparing the draft of the training programme; Meetings with Chamber of Commerce and Industry of Štajerska representatives, and presentation of the circular economy training course becoming a part of the organized events for their members.

**Autumn/Winter 2022/2023** – Final implementation of the Action 2 plan.

**Spring/Summer 2023** – Monitoring the implementation of the Action 2 and assessment of the results.





# Uporaba LCA metodologij v krožnem gospodarstvu in zelenem javnem naročanju

Kemijski inštitut, Ljubljana • 10. maj 2023

## About the event

On Wednesday, 10 May 2023, at the National Institute of Chemistry in Ljubljana, as part of the Interreg Europe LCA4Regions project, we organized a mini conference entitled "Use of LCA methodologies in the circular economy and green public procurement". The event, which was attended by over 40 participants from industrial companies, academic and research institutions and public sector, was co-organized by the National Institute of Chemistry and the Chamber of Commerce of Štajerska Region - SRIP Circular Economy, in accordance with the action plan of the Slovenian partner in the project.

The mini conference was intended for all those interested in the use of LCA methodologies in the circular economy and learning how LCA can help in making decisions about the use of new products compared to competing products, and in identifying key stages where changes could reduce environmental impacts. We also focused on the integration of LCA methodologies in green public procurement and raising public authorities' awareness of the importance of using these methodologies.











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# Thank you!

Questions welcome



[www.interregeurope.eu/LCA4Regions](http://www.interregeurope.eu/LCA4Regions)