Circular Procurement

Accelerate circular economy through procurement power, alliance- and capacity building

Background

Every year, over 250 000 public authorities in the EU spend around 14% of their GDP buying services, works and supplies. Hereof, the NSR economy and population consumes 960 million tonnes of raw materials to produce 360 million tonnes of waste and 21 million tonnes of CO2 emissions. Together, this leads to tremendous environmental damage, high costs of processing waste, and lost value of materials. When leveraging procurement for circularity, these investments could lead to an average of 10-20% direct savings in waste. However, there are several challenges that prevent this from happening like linearly structured procurement workflows, limited market size for suppliers, lack of environments for collaboration, and frag mentation of experience in the NSR.

Aim

The CircPro project will harmonise transnational circular procurement in the North Sea Region (NSR) with a collaborative approach to connect procurers investing in areas like construction, buildings and offices. This enables them to scale up and have a greater impact on a circular economy as well as expanding the market for providers. The project will promote the development and adoption of a common circular procurement framework, business models, and roadmap which will accelerate the uptake of more circular procurement of products, services and processes in the NSR

Approach

CircPro brings together partners representing governments, knowledge organisations and business networks spread over the NSR to improve their procurement processes. CircPro is unique in grouping partners into Communities of Practice (COPs) to iteratively explore how they can circularise their procurement in an agile way. COPs will connect buyers and innovators working in similar fields (eg: construction) and from different geographical regions to share and learn from each other. CircPro will build on existing initiatives such as Life+, REBUS, and the SCALED-UP project, and will provide evidence on successful business cases, circular business models, and will define circular procurement criteria.



N33 road construction by Rijkswaterstaat



Green solutions for artificial turf by DIFI



Glass recycling facility by BITC



Circular office by Kamp C

Results

- · 20.000 tonnes waste prevented by mainly reusing and refurbishing products which normally would be wasted
- 800 000 tonnes virgin materials
- 10 000 tonnes CO2 saved
- 50 project pilots, including road construction, office furniture and ICT
- Creation of 130 green jobs in NSR

Impact

CircPro will validate circular business models through real pilots and facilitate their wider adoption. The project will reduce the complexity for providers to participate in tenders so they can build business models to scale up across regions, and they will be able to develop a standardised indicator measurement system. CircPro will encourage public and private organizations to include more circular practices in their purchases to decrease their environmental impact.



Programme	Interreg NSR
Duration	3,5 years
Budget	4 million €
Coordinator	Rijkswaterstaat

Rijkswaterstaat Ministerie von Infrastructuur en Milleu	Netværk Erhverv NordDar





IKEA

UK & IE









Malmö stad



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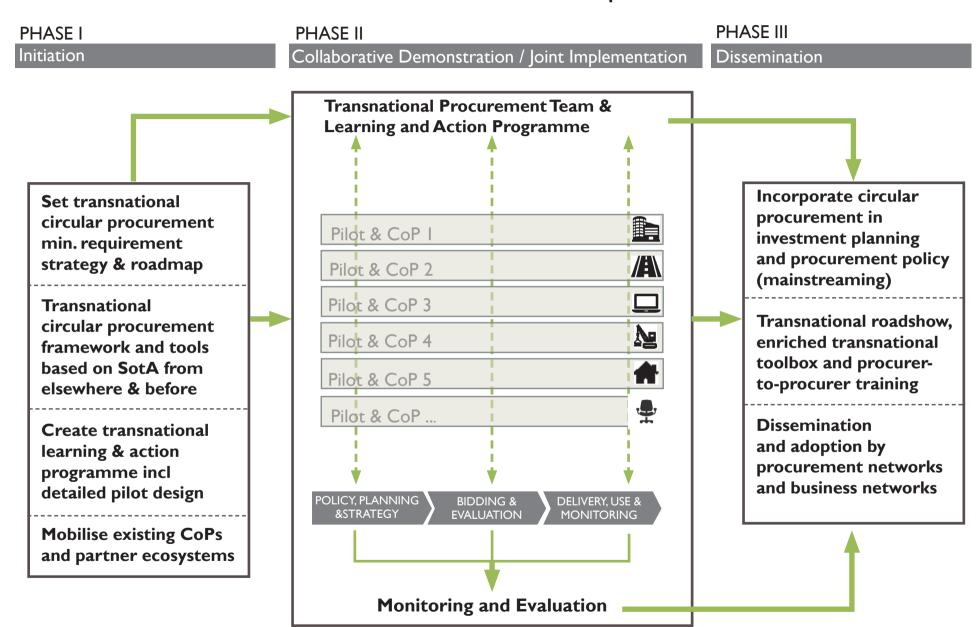
Contact: Cuno van Geet

j.renema@baxcompany.com





TRANSNATIONAL Procurement Practice & Implementation

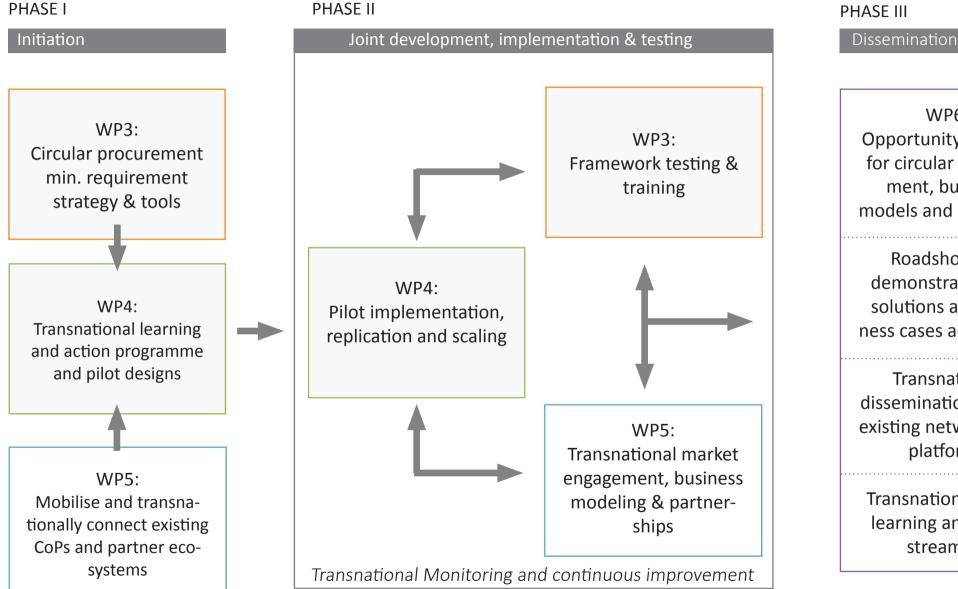








Transnational development & implementation of circular procurement









WP6:

Opportunity mapping for circular procurement, business models and new CoPs

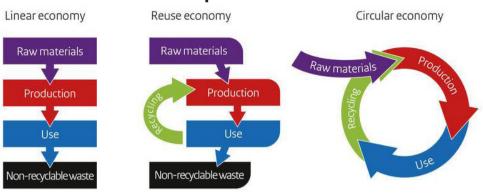
Roadshows to demonstrate novel solutions and business cases across NSR

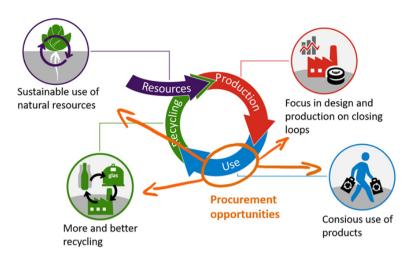
Transnational dissemination among existing networks and platforms

Transnational policy learning and mainstreaming

Procurement explanation models

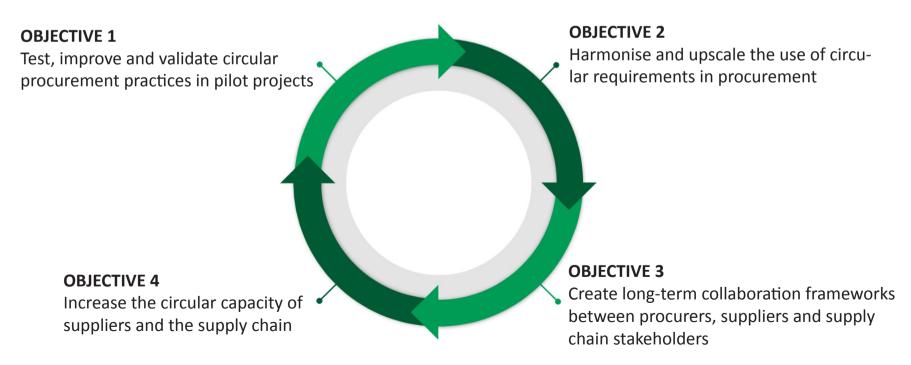
From a linear to a circular economy





Procurement opportunities

CircPro framework with 4 key objectives









How the feedback from Steering Committee has been addressed

The partnership has thankfully used the feedback from the Steering Committee on the Expression of Interest to improve the Circular Procurement Project and to explain this better in the application. This annex summarises how. The recommendations on overall principles, outcomes/results, links with other projects, work packages, activities and budget are directly linked with the sections C.2.1, C.2.2, C.2.3, C.3.2, C.3.2, C.3.2, C.3.2 and D.1 in the application. All other recommendations are addressed in the following paragraphs:

Transnationality of pilots:

- The procurement processes of the pilots are embedded in a Transnational Learning & Action Programme (WP4) and supported by Transnational task forces that review and advice on procurement documents and monitoring.
- The pilot procurement processes will use, validate and enrich the Transnational Minimum Circular Requirements and ensuing framework.
- The pilot procurements will be EU-wide and the market will be actively engaged transnationally through cross-border Communities of Practice, as suppliers can come from various countries.
- Logically, the actual assets that are being procured in the pilot projects are often local, e.g. 5 recycling centres in Denmark, or of the redesign of a building into a Circular Laboratory in Belgium. However, many circular procurement challenges are relevant transnationally and across sectors. CircPro partners will not reinvent the wheel.

Include partners from the whole programme area:

- The CircPro partnership has been enriched, particularly with partners from Sweden, Denmark and Belgium, and with important business and city networks for wider uptake. Additional partners that bring their own unique added value are: Municipality of Malmo, Municipality of Kolding, CLEAN, ACR+.
- We like to thank the support from several NCPs herein. We have been in dialogue with other potential partners that are interested in the project results, but will not join as formal partners (several signed Letters of Support), particularly in Germany with: Municipality of Bremen and Region of Goettingen. In addition, there is the Region of Skane and the Municipalities of: Vaxjo, Goteborg, Oslo, and Larvik.

Reconsider the heavily top-down approach and clarify who the end users are and how they will be involved:

- Procurement is traditionally a linear (top down) process, whereas circularity requires active market engagement and collaboration to work together along the entire life cycle of products. This is explicitly organised in the CircPro project design. The Communities of Practice that support pilot projects comprise suppliers, ie businesses and business networks. WP5 is designed to organise for market engagement (incl a TN taskforce) and business model development with suppliers.
- The CircPro partnership comprises of, and has been enriched with business associations and networks, e.g. BITC business network (UK), and CLEAN (DK). Other networks have signed Letters of Support (eg UnternehmensGrün from DE) who will join project events and discuss new approaches with their members.

Measurable indicators and definition of baseline:

- CircPro now includes specific, realistic, durable, and measurable indicators, linked to the pilot projects. They comprise 25% of waste prevented, 20% virgin materials avoided, and 42% of CO2 saved per pilot. The indicators are transferable as these are also being used by the most important environmental think tanks, such as the European Environment Agency, the Dutch Environment Assessment Agency (PBL) and others.
- The baseline will be determined at the start of the project, and this work is explicitly planned for in Activity WP4.3. The baselining work provides the basis for the transnational framework and Minimum Circularity Requirement.

Partners located outside of the NSR - budget spent outside the region:

- The **BITC** business network is based in London, just outside the NSR. BITC works UK-wide, but within this project their work will be focused in cities within the NSR and with businesses and other organisations with a strong presence there.
- ACR+ is based in Brussels and is an international network of cities and regions sharing the aim of promoting a sustainable resource management and accelerating the transition towards a circular economy. ARC+ can bring in international State of the Art knowledge and is particularly strong and important for dissemination and uptake. ARC+ will focus their work in CircPro on the NSR area, but will also include wider international dissemination.







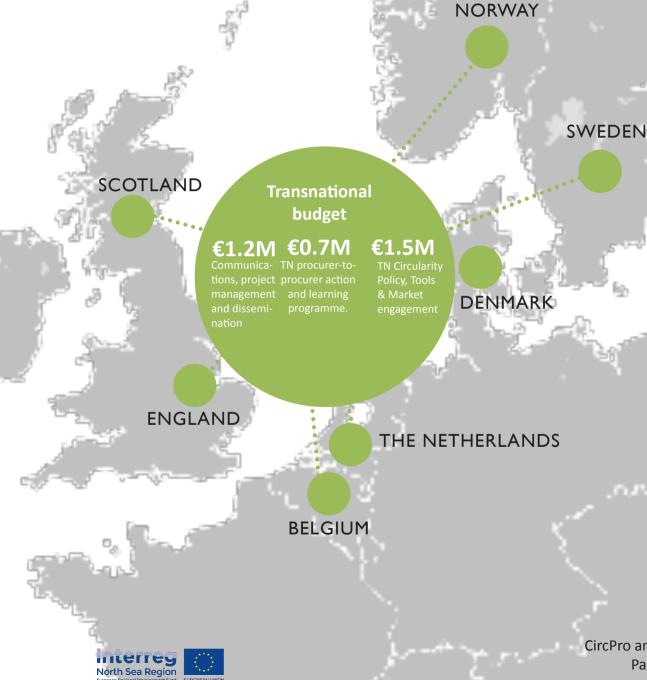
Budget justification - 84% transnational, 51% implementation

In CircPro, the total budget is €4M with partners' funds ranging on average between €200-400k, over a period of 3.5 years. Out of that, €3.3M. or 84% of the total budget will be allocated in purely transnational activities and 51% on actual implementation.

The transnational project management, communication, dissemination and uptake make up 37% of total budget, and support the project's objecatives, facilitate knowledge sharing, and inform relevant stakeholders and general public about the project and its results.

19% of the budget is allocated to a transnational procurer-to-procurer action and learning programme and transnationally and crossindustry Communities of Practice (CoP) that support the practice and implementation in pilots by partners.

44% will be invested in transnational market engagement, circular business models and development of transnational task forces made up of experts to support partners with specific 'pain points'. These pain points consist of organising market research and engagement strategies before pre-tenders, reviewing outgoing tenders, and turning circular procurements into organisational policy. Also an international policy learning group will be convened.







CircPro Pilot Projects

This table summarises some of the 50 pilot projects which are selected by the partners as use cases for CircPro. The pilots are in different stages of procurement.

PROJECT NAME + AREA	CIRCULAR PROCUREMENT CHALLENGE	IMPACT OF THE PILOT
Waste handling procurement - Kolding Municipality (Denmark)	 Procurement of 5 recycling centres that handle more than 40.000 tons of waste Develop valid tools and demands to evaluate circular potentials Formulate sustainable requirements & conditions 	 Reduce CO2 & SO2 emissions Reduce fuel consumption New contract types for investments
Potterij Mechelen - OVAM (Belgium)	 Redesign the Potterij in Mechelen into a 'circular laboratory' Develop a state-of-the-art example of a circular building 	 Use the building as a showcase model Inspire to start using circular principles in projects
City Deal Procurement Pathfinder - Edinburgh Centre for Carbon Innovation, Edinburgh University & Zero Waste Scotland (Scotland)	 Lead, learn & innovate procurement in Edinburgh through a City region deal Training of procurers and suppliers, investment in innovation and raising awareness on circularity Reduce inequality and deprivation in area housing of 24% of the Scottish population as part of a 1.1 billion pound deal 	 Increase of material circularity of infrastructural and building transformations like with the Royal Infirmary Edinburgh University quarter
Circular office framework - BITC (United Kingdom)	 Bring 120 circular office champions together to collaborate, tale action & create business cases for circular procurement Raise awareness & increase knowledge among public and private procurers on alternative solutions of non-circular office furniture 	Decrease the yearly 15 billion pound associated costs with office waste in the UK
Brännare factory to school - City of Malmö (Sweden)	Reuse materials of an oil factory that is set to be partly torn down and the remains converted into a new school	 Decrease material use Increase circularity of materials for new construction



Potterij Mechelen



Royal Infirmary Edinburgh University quarter



Circular office furniture







CircPro2 Pilot Projects

PROJECT NAME + AREA	CIRCULAR PROCUREMENT CHALLENGE	IMPACT OF THE PILOT
Green solutions for artificial turf - DIFI (Norway)	 Look for and procure alternative solutions for rubber infill in constructing new and maintaining old artificial turf 	 Decrease of environmental impact of rubber granulates Increase of resource efficiency in local communities Business cases on artificial turfs to be shared
Circular Procurement in remote island areas - Zero Waste Scotland (Scotland)	 Collaboration of partners that have remote island communities (UK, Sweden, Norway) Create multiple circular procurements tenders Discuss and share common challenges and best practices of circular products and services in an island community 	 Increased recycling and reduced waste streams on the islands Connection of the islands to (inter-)national loops for waste
ICT Client Device network - Zero Waste Scotland (Scotland)	 Overcome barriers in contractual arrangements, hardware processing speed, and data cleansing requirements, as found in previous tenders Work with suppliers to utilise take-back/buy-back schemes 	 Improve reuse and redeployment within and between organisations Reduction of energy use due to more efficient devices
N33 Provincial road construction - RWS (The Netherlands)	 Reuse of raw materials that will become available when removing existing road sections and bridges use of regional raw materials such as the use of sludge from the Eems-Dollard as construction material Re-use of a bridge which from another road which will be upgraded 	 Save 40% CO2 Create local jobs e.g. through usage of sludge in the area.
Circoproniture: furniture for 't Centrum - Kamp C (Belgium)	 Formulate the right proposal to tender fully circular furniture Focus on material, design, business models, financing & a new way of working 	 Increase lifecycle of material Reduce materials used Create jobs for refurbishment & repairs



Provincial road construction



Artificial turf in Norway







Letters of Support (15)









ress my strong support to the project Circular Procurement: Accelerate circular recommy to surrement power, alliance and capacity building (CircPro2), to be submitted for the seventh

IDCCD is a statut CCO but association of one 300 boofen businesses making bootless to associate & sustainable by focusing on the maximum positive impact for shareholders, the environment and societies e billion people are all living well and within the boundaries of our planet, by 2050.

investment of the state of the ing impact on circular economy as well as creating a bigger market size for providers. The project wi



WBCSD - Acting Director





Letter of Support for the Interno NSR project building (Card*ro2)

On behalf of PwC, I, the undersigned, express my strong support to the project Circular Procures be submitted for the seventh call for applications of the Internet North Sea Region (NSR) Programme 2014-

hald treat in excists and notes invested architect. Through our plobal network of over 800 Surdiimbilih responses to sustainable development challenges, including their approaches to engaging in the circular

connect procurers investing in construction, buildings and offices. This enables them to scale up and have an asing impact on circular economy as well as creating a bigger market size for providers. The project wil completite development and adoption of a communicative programmed framework and madesus which will

that CircPro2 will provide additional resources which can be combined with input from PwC and the other numbers of the Task Force to accelerate and scale up the uptake of circular economy principles within

PWC - Partner sustainability & climate change



Furthermore, London Weste and Recycling Board will crosse links with London circular economy networks including the Greater London Authority and innovative circular economy SMEs though our Advance London

LWARB - Circular economy manager

Letter of Support for the Interreg NSR project:

capacity building (CircPro2)

On behalf of the London Waste and Recucling Roard, I, the undersigned express my strong support to the

capacity building (CircPro2), to be submitted for the seventh call for applications of the Interreg North Sea

LWARB is a statutory Board which was set up by the Mayor of London in 2008, and plays a key role in

The Circular London team at LWARB aims to accelerate London's transition to a circular economy through

our work with stakeholders across all sectors in London including multinational companies, world renowned

universities, the public sector and consumers. We are currently establishing and delivering a London

programmes of work which will bring bouther all of these sectors to provide exchange of experience

ast year LWARB published the London Circular Economy Route Map which was developed in partnership

connect procurers investing in construction, buildings and offices. This enables them to scale up and have an

promote the development and adoption of a common circular procurement framework and roadmap which

will accelerate the uptake of more circular procurement of products, services and processes in the NSR

CircPro2 has a huge potential for reducing the ecological impact of public procurement in multiple sectors Climate challenges are global and must be met through international agreements and with the use of

with stakeholders from across London, Within the Moute Map, procurement is identified as one of the key

enabling activities to achieving a more circular economy in London. This project would provide valuable contribution towards actions within the Route Map. Find more details at www.lwarb.gov.uk.

Region (NSR) Programme 2014-2020, closing 1st of October 2018.

coordinating and accelerating the circular economy transition for London.



VMM - Head of International Cooperation Flanders Environment Agency



Latine of Support for the Interest NSB project canacity building (CircPro2)

On behalf of the Norwegian National Suppliers Development Programme, I, the undersigned, express my strong support to the project Circular Procurement: Accelerate circular economy through procurement power, alliance and capacity building (CircPro2), to be submitted for the seventh call for applications of the Interreg North Sea Region (NSR) Programme 2014-2020, closing 1* of October 2018.

The Norwegian National Suppliers Development Programme is set up to accelerate innovations and development of new solutions through the strategic use of public procurement, while at the same time contributing to new market opportunities for these innovations. http://innovativeanskaffelser.no/about/

CircPro2 will harmonise transnational circular procurement in the NSR with a collaborative approach to connect procurers investing in construction, buildings and offices. This enables them to scale up and have an easing impact on circular economy as well as creating a bigger market size for providers. The project will promote the development and adoption of a common circular procurement framework and mariman which

Climate challenges are global and must be met through international agreements and with the use of national policy instruments.

CircPro2 will provide the Norwegian National Suppliers Development Programme with access to it its results

Per Harbe. Programme Manager

NNSDP - Programme manager



Provincie Groningen - Head of department mobility / projects





Suddenson .

capacity building (CircPro2)

ent: Accelerate circular economy flavough procurement power, alliance and capacity

APUC (Advanced Procurement for Universities and Colleges) is the Centre of Procurement Expertise for

work agreements for the sector to use and guidance on best practice. APUC runs a Sustai

persecting impact on gircular economy as well as greating a bipopy market size for providers. The project wi

sector and multi-retional working groups looking at sustainable programment issues and works with its

invaluable resource and contracting structure for our members to be able to increase use of circular

APUC - CEO

On behalf of ICLE – Local Governments for Sustainability, I, the undersigned, express my strong support to the project Circuiar Procurament: Accelerate Circuiar economy through pocurement power, allience and capacity building (Circhibol), to be submitted to the second on its or applications of the interrupt south Size Region (MCI). Programme 2014-2000, colding 1° of Coobbor 2018.

ICLE is the leading global network of 1,500+ cities, towns and regions committed to building a sustainable future. Through our collective efforts, we impact more than 25

percent rorm groom unon population. CIMPRO2 will harmonise transmissional circular procurement in the NSR width a collaborative approach to connect procured investing in construction, buildings offices. This enables them to scale up and have an increasing impact on druster economy as seed as creating a Digger market date for providers. The project will

CircPro2 has a huge potential for reducing the ecological impact of public procurement in multiple sectors. Climate challenges are global and must be met through international agreements and with the use of national policy instruments.

Deputy Regional Director / Global Director, ICLE's Sustainable Procurement Centre

af Hidson

CircPro2 has a large potential for reducing the environmental impact of public procurement in multiple challennes are obtain and must be met Proposit inter-



Interreg



Letter of Support for the Interreg NSR project

capacity building (CircPro2)

On behalf of JLL, I, the undersigned, express my strong support to the project Circular Proc

J.U. is a leading, global professional services and investment management from specialising in real estable.
Our expect learns provide integrated services to clients seeking increased value by owning, occupying, developing or investing in real extute. J.L. is characterized by its growth prientation, agentional ex

increasing impact on circular economy as well as creating a bigger market size for providers. The project will promote the development and adoption of a common circular programment framework and readmen which

CitcPtoZ has a large patential for reducing the ecological impact of public procurement in multiple sector

taskforce and compaign members to help develop a circular economy. We recognise that there is more that With effices peross the LIK and Furmor .II I will be able to remide an informed nors druction in when we look forward to benefiting from the measures, markets and become board th



JLL - Acting Head of Sustainability







Letter of Support for the Internet MSD project converts building Circles 7.

On behalf of lastitude for Research in Circular Economy and Environment "Ernest Lupan" – IRCEB, I, the undersigned, express my stong support to the project Circular Procurement: Accelerate circular economy through procurement power, alliance and capacity bailding (Circular) Pro%, the exherited for

Cref*n2 will harmonion transmissional sixulair procurement in the NSR wills a conhaborative approach to connect procures investing in methodox, buildings and offices. This enables them to scale up and have a investing impact to existine excession great on existine excession great order to excession great contributes. The project in promote the development and adoption of a common circular procurement framework and candenap which will consider the NSR. The procurement of produces, contribute and procession in the NSR.

Our commitment to the project will be reflected by the involvement of our personnel in identifying uponning deliverables, ensuring the deliverables will be done on time, assisting the discernization efforts of the consortium, organization of activities in line with our expertise in circular recognity and particularly in such topics as presentation of artIVIERLI Grants applications it project amongement.

Circl*to2 will provide to the lactifiate for Research in Circular Economy and Environment "Ernest Lupan" occuse to it its results and inscense. Enthrenove buildate for Research in Circular Economy and Environment Transit Lupan" will support the international project partners with knowledge and best practice transfer according to project needs.



ICLEI - Global Director Sustainable **Procurement Centre**

> CircPro annex Page 9

Letters of Support (15)





nail:lesley.richard@scotland-excel.org.uk Tel: 01416187457 Our Ref: LR

Letter of Support for the Interreg NSR project: Circular Procurement: Accelerate circular economy through procurement power, alliance and capacity building (CircPro2)

Dear evaluatoris

On behalf of Zero Waste Scotland, I, the undersigned, express my strong support to the project Circular Procurement: Accelerate circular economy through procurement power, alliance and capacity building (CircPro2), to be submitted for the seventh call for applications of the interreg North Sea Region (NSR) Programme 2014-2020, closing 1st of October 2018.

Scotland Excel is the Centre of Procurement Expertise for the local government sector. Established in 2008, we are a leading non-profit shared service funded by Scotland's 32 local authorities. At Scotland Excel, we are leaders of change.

Over the past ten years, we have helped to raise the profile of procurement in local authorities by championing its potential to shape markets, support policy priorities and, utilimately, ensure the statishable delivery of the services that every community needs. Collaborative procurement increases efficiency and ensures by working together through Scotland Excel, councils can realise a host of social, economic and environmental benefits from their prend.

The actions of the public sector have a huge impact on society, the economy and the environment. Therefore, public organisations have a responsibility to make sure they consider all these aspects when spending public money. In creent years, Social has be embraced the concept of sustainable procurement to achieve economic, postal and environmental value from the mensy spent by the public sector. This is embedded in our business gas to be sustainable in everything we do.

Scotland Excel has championed sustainable procurement across local government and the wider public sector. In 2010, we introduced Marrakech Task Force (MTF) training, based on a sustainable public procurement approach developed by the United Nations. Since then, Scotland Excel has hosted MTF workshops for one 200 local authority and public sector deleases.

We also led the development of the Flexible Framework self-assessment tool for sustainable procurement which was rolled out across the public sector. Scotland Excel is leading the development of methodologies, tools and best practice to help customers meet their sustainable procurement obligations detailed in The Procurement Reform Act (Scotland) 2014.

The Procurement Reform (Scotland) Act 2014 and recent changes to ID id directives mean an even greater focus on the role of procurement as a driver of sustainability. We believe that Scotland Excels is well composed to the role of procurement as a driver of sustainability. We believe that Scotland Excels is well composed to the role of the

placed to be at the forefront of this new approach to public procurement and this combined with support from Zero Waste Scotland will stand Scotland in good stead for the challenges ahead.

CircPro2 will provide Scotland Excel with access to its results and lessons. The output from the CircPro2 project will provide an invaluable resource and contracting structure for our members to be able to increase use of circular procurement initiatives. Scotland Excel will be able to coordinate any upcoming relevant projects within its member base with CirPro2 activities and once again, endorse the application

Yours faithfully.

LCSLLY Richard

Scotland Excel

Scotland Excel - Strategic Procurement Manager



Letter of Support for the Interreg NSR project:
Circular Procurement: Accelerate circular economy through procurement power, alliance and capacity building (CirclePro?)

Dear evaluator(6).

On behalf of Hällbar Utveddling Skåne I, the undersigned, express my strong support to the project Clicular Procurement: Accelerate circular economy through procurement power, alliance and capacity building (Circ/Po2), to be submitted for the seventh call for application of the Interes Anoth Sea Region NSRI Programme 2014–2020, closing 1st of October 2018.

Hallbar Uhvedring Sidne (Sustainable Development Sidne) is a non-governmental organisation founded in 1998 and works with ecological, social and accommic statinability organisation founded in 1998 and works with ecological, social and accommic statinability and 1999 are social statinability or the social statinability and 1999 are social statinability and 1999 are social statinabilities and 1999 are social statinabilities

Circifrica Visil harmonites transnational circular procurement in the NSN with a collaboration approach to connect procurers investing in construction, buildings and offices. This enables them to scale up and have an increasing impact on circular economy as well as creating a bigger market six for providers. The project will promote the development and adoption of a common circular procurement framework and roadmap which will accelerate the uptake of more circular procurement of products, pervices and processes in the NSI.

CircPro2 has a huge potential for reducing the ecological impact of public procurement is multiple sectors. Climate challenges are global and must be met through international agreements and with the use of national policy instruments.

CircPro2 will provide Hålbar Utveckling Skåne with access to its results and lessons. Furthermore, Hållbar Utveckling Skåne will use its network which is a first class channel to reach out to the municipalities with information about CircPro2 and about progresses with circular procurement. Hållbar Utveckling Skåne will aim for cooperation between CircPro2 and the ERDF project Circular Skåne whenever possible.

Sincerely,

Helens Thelander,
manager of operations

Signed on sept 28, 2018

Sustainability Hutskane - Manager of operations



IKEA UK&IE - Circular & Climate
Positive Leader





NIRAS - Head of Green Procurement



-Ellen MacArthur Foundation -Chief Operating Officer



Fondazione Ecosistemi - Director





