"KRACHTENKAART" (POWER MAP)

CIRCULAR ECONOMY

Drenthe

- Among other things, Drenthe is funding a circular living lab, whereby, 8 housing corporations in Drenthe have joined forces in the quest for innovative circular concepts through topics such as co-operatives (for purchasing), construction (using construction waste as raw material), and finance (productas-a-service).
- To drive innovation, N.I.C.E. (Northern Innovation Lab for Circular Economy) has been established. SMEs in Drenthe are provided with the facilities to design their circular innovation topics, by using college and university students to find solutions to issues that, for instance, are beneficial for enhancing the circular economy.

Groningen

 Greening the chemical industry in Chemport Europe, including the use of hydrogen as a green commodity and energy source for industry and mobility. In the short term, this will lead to building a hydrogen station, the acquisition of 20 (hydrogen) busses, and a hydrogen train is already being tested. Using sugars in the chemical industry. The industrial sugar agenda will lead to affordable sugars from plants/organic waste, valorising them as green elements for the chemical industry. The Carbohydrate Competence Centre in Groningen (Groningen University, Wageningen University, and the corporate sector) is developing knowledge about sugars for use in the chemical industry, among other - 💊 🍝

Overijssel

 Six Regional Transition Agendas (RTAs) 2020-2023: Plastics; Textile; Manufacturing Industry; Construction; Infrastructure; Biomass & Food. These are drawn up by the provincial network. Opportunities for the economy of Overijssel lay namely in plastics, textiles, and protein transition. RTA actions are carried out to enhance cohesion for innovation-focussed and circular procurement, human capital, laws & regulation, and for monitoring the RTAs.
Strengthen SMEs and Entrepreneurship so they can focus on the future when doing

WHAT ARE WE GOING TO DO?

Circular procurement and tendering

Provinces: the ideal midfielders, also aiming at a

circular world.

region. An ideal midfielder, also aiming at a circular world.

The Dutch provinces feel that it is very important that by 2050 the Dutch economy will be fully circular: there will no longer be any waste and raw materials will be reused. We

are approaching the circular economy (CE) from a broad playing field – each province

happening nationally, but also internationally, across the Dutch border. The provinces

can, and want to, fulfil a managing role as the linking pin for a circular economy in the

The Association of the Dutch Provinces' (IPO) "Krachtenkaart" is a kick-off initiative for

using our own regional strength, to work together with the Government, other public

authorities, and other regional parties, on the transition to a circular economy in the

region. Through topics such as the CE Implementation Programme, we would like to

make agreements with the Government and evaluate the circular progress annually.

from its own angle, appropriate to the region. While doing so, we look at what is

The provinces are including the circular economy (CE) as an integral part of their core business. This is done by implementing CE fully within the province and its activities. Within the field of public procurement, the provinces will firstly consider whether circular products or services can be used, and they will then work towards the principle of "comply or explain".

Fryslân

- The 'Transitie Doe Agenda', the Frisian Transition To-Do Agenda, is a project that has developed 10 themes, in close collaboration with the Association Circular Friesland (VCF) and its members (companies and government bodies).
- 'Spark the Movement' connects young people, knowledge institutions, private businesses and public authorities. A special position within VCF has been created to use the education system to connect young people to the issues that are faced by the private businesses and public authorities regarding circular transition.

Noord-Holland

- Stimulating circular entrepreneurship, innovation, and up-scaling through a CE Ambassador and CIRCO Circular Business Design tracks, among others. Special attention is given to the circular use of raw materials, and less use of primary, non-reusable raw materials through concepts such as subsidies for supply chain projects and research into opportunities that are using organic raw materials, for instance.
- Taking on the circular economy as an integral task throughout the province to have a direct impact on the transition towards a circular economy via public procurement, implementation and management of the provincial infrastructure, commissioning the regional environmental services, and using incompany's production facilities, among others.

Zuid-Holland

- As part of the 'CE South Holland: Accelerate Together' strategy, that was introduced in 2020, the province is working bottom-up on the themes of construction, green commodities and food, the manufacturing industry, and plastics. Transitional thinking is paramount in networks for innovators, supply chain co-operations, and innovation.
- The development of the South Holland Harbour Industrial Complex as a hub for strategic commodities (e.g. chemical recycling plastics), the green ports (e.g. valorisation of horticultural waste), the manufacturing industry (e.g. SMART Industries) and Cirkelstad, which up-scales and accelerates the circular construction economy (e.g. bio-based construction).

Zeeland

The environmental vision is a framework for assuring CE. Focus is on circular construction in the (short-stay) recreation sector where the construction sector and SMEs are stimulated to start using CE through concepts such as issuing circular/bio-based vouchers, alongside projects such as 'Experience CE' and the Knowledge & Innovation Circular Construction Network.
The Socially Responsible Procurement (MVI) platform supports buyers by making the impact of projects and products measurable and visible, and by connecting professional buyers with circular entrepreneurs. In this way, suppliers are stimulated to do business in a

Utrecht

 A 'circular goal tree' has been set up as a management tool, in which concrete proposals for eleven policy themes have been designed as a circular vision (aim), policy goals (< 10 years), long-term goals (4 years), and results with concrete action (2 years). These have been partially incorporated into the province's organisational goal tree.

The Province of Utrecht has conducted research

business: in an innovative, sustainable, circular way, for a strong (inter)national competitive position.

Flevoland

- The Circular Economy is integrated into Flevoland's future environmental vision, naming it as one of the 7 main long-term tasks. The aim is to be known as the provider of raw materials for the circular economy by 2030; for this we are focussing on green raw materials and used materials.
- The Circular Regional Economy Teaching Team, that was honoured with the bronze SustainaBul MBO prize in 2020, which aims to have an on-going Circular Regional Economy learning track through the whole region, as well as a platform with knowledge events to facilitate the sharing of knowledge between knowledge institutions, the government and entrepreneurs.

Gelderland

- Focus on 4 circular pillars in the Circular Economy Implementation Programme 2021-2023: Agrofood, Construction & Infrastructure, Manufacturing Industry and Consumers & Waste. A specific raw materials strategy has been developed for each circular pillar covering bottlenecks, opportunities, courses of action, and the role of the province. The Gelderland Circular Atlas gives an insight into how each circular should be monitored, using quantitative indicators.
- The Slim & Circular Tender Regulations focussed on making Gelderland's production sites more sustainable.

Noord-Brabant

- Working from the Circular Economy Implementation Agenda 2021-2023, commitment to the 5 circular transition themes, focussing on food waste and protein transition, circular construction (Cirkelstad Brabant), launching clientage via the INDUSA joint venture programme and (supra)regional investment in the circular manufacturing industry via CESI (Circular Smart Industry programme).
- Development of the 'Circular Bio-based Delta' green chemical network and prime locations that focus on circular industry and the use of biomass as a raw material for the green chemical industry, bio-based construction

Circular continuation of the Environmental Vision, also when implementing VTH (authorization, supervision and enforcement)

The provinces aim to firmly embed CE in their policies and practices. We are doing so by setting up a toolkit about 'The Circular Economy and the Environmental Vision' in 2021/2022. In consultation with the municipalities, the regional Environmental Services and Omgevingsdienst NL (the Dutch Environmental Services Association), in 2021 research will be done to find out what is needed to make circularity a standard part of the VTH tasks by 2025. This research will be worked into a set of guidelines, as an initial impetus for circular testing and a training framework.

Develop and strengthen Regional Circular Ecosystems

The provinces want to focus on "transitional thinking". To achieve this, by 2025, we want to have a thorough overview of the networks that support the circular ecosystem, so that we can concentrate our efforts on speeding up the transition to a full circular economy. In this way, as a connector and facilitator we will stimulate and strengthen the regional networks in a triple helix form and continue to build up the system. Guidelines for this will follow in 2021/2022.

Support regional businesses during the CE transition.

The core task of the provinces is to support regional business via, inter alia, our own incentive programmes. Promoting the CE transition in the corporate sector calls for expansion, intensification and acceleration, which also means looking beyond the (inter)national borders. From 2021 onwards we want to make agreements with the National Government and together create a programme of research funds, accelerate innovation, connect with SMEs and intensify the partnership with "Versnellingshuis Nederland Circulair!", a joint venture organisation that is helping businesses with their transition to CE.

Limburg

• The Province of Limburg is facilitating the heart of Limburg's open innovation ecosystem, Brightlands – which has 4 campuses – with ground-breaking innovations, programmes and startups in the fields of sustainability, health, and digital solutions. One example is the Chemelot Circular Hub (CCH) where businesses, knowledge institutions, local authorities, and residents concerned with the chemical and materials cluster are all working together to form the first largescale European Circular Hub. • The LIOF Development Programme: 'A Future-Proof Limburg', aimed at promoting innovation and supporting entrepreneurship within the SME sector in Limburg.

socially responsible way and to integrate this into a business model.

into how sustainable and circular procurement is currently carried out; by the local authorities (province, municipalities, and water boards). Using the conclusions and recommendations, we are going to jointly take steps to advance circular procurement within our region. and packaging materials, such as the Green Chemistry Campus.

Implement the monitoring of CE

The provinces are working on a clear-cut way of monitoring CE, whereby the national ICER approach, introduced by the Netherlands Environmental Assessment Agency (PBL), will be extended, through regional expansion, intensification and supplementation. This needs to be done quickly, in the short term, in order to already get an insight into progress being made with the transition. In 2021, the first set of indicators will be determined and the partnership with the PBL will be further developed. We want to evaluate the CE monitoring and the progress of the IPO Power Map on an annual basis.

WHAT WE ARE ASKING FOR:

GOVERNMENT SUPPORT ON 3 FRONTS

Building a CE using the power of a regional approach.

In order to build on an approach to a regional circular economy, using the regional power of the provinces, we are asking the Government:

- To help build on the provinces' approach of using regional power by facilitating the development of full-blown, circular eco-systems, through enhancing knowledge, regulations, innovative instruments and financial resources, etc. As part of this, we are asking the Government to develop a joint strategy with us to further advance a circular eco-system that is specific to the region and market leading. The joint initiative to create a knowledge infrastructure for CE for the region can contribute to this.
- To continue developing regional CE activities that are connected to the national transition agendas, so that they reinforce each other.
- To facilitate circular transition by the Environmental Services by providing resources for training, implementation and experiments.
- For clear, unambiguous, national coordination of the CE policy, so that the departments and regions are all following the same track.

After sowing the seeds for the 5 guidelines for transition to a Circular Economy, in order to be able to actually harvest them (at the national level), the provinces are also asking for action to be taken by several, different parties and, in particular, the National Government.

Increase market opportunities for circular products

It is crucial that market opportunities for circular products and processes are expanded, and that a level playing field is created. Furthermore, attention needs to be paid to the circular use of raw materials. That is why we are asking the Government:

- To contribute towards a competitive price on the world market, for example by:
- well before 2030, introducing tax incentives for the circular economy (e.g. lowering tax on circular production; transferring labour tax to (virgin) raw materials: the so-called 'ex-tax');

providing support through the introduction of a "true price" across Europe;

- imposing a mandatory percentage of recycling of products in Europe.
- To attach stricter CE compliance regulations to Government-initiated initiatives, such as projects, programmes, procurement and tendering procedures, subsidies and schemes.
- To set up a CE authority for unambiguous, coordinated laws and regulations (advice), licensing, supervision and enforcement (knowledge hub), and the issuing of, or sharing information about, rulings/end-ofwaste status.
- To implement the advice given by the Waste Evaluation Taskforce

concerning waste streams, etc.

Make room for the up-scaling of circular innovations

The up-scaling of promising innovations often transcends the (financial) capacity of the companies and regions involved. In their role as midfielder, the provinces can fulfil an initiating role by involving and connecting different parties via the municipalities, for example. We are asking the Government:

- To make promising regional up-scaling projects viable (providing finance, space, regulations), and to form a plan with us for this.
- To facilitate a single regional platform approach for the up-scaling of innovation, knowledge and education in the region for this.
- To support the provinces' and municipalities' commitment to the labour market and human capital in relation to the Circular Economy.



