

Open Call 2025

**Online Information session
16 January 2025**

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Wendy Stikvoort, RVO**



Agenda

- 4:00 pm Results 2023/ 2024
- Open Call 2025 Subjects**
 - RVO tender max budgets**
 - RVO tender criteria and ranking**
 - Timeline & Subjects**
- 4:30 pm Q&A

About this meeting:

- **No rights can be derived from the information provided in this meeting.**
- **The chat function is open for questions to be answered after the presentation or after the meeting.**
- **Your camera and audio are switched off by default. You can turn the camera if preferred.**
- **This presentation will be shared shortly after this session.**
- **This session will be recorded.**



2024 CPNL Awarded projects: Results

RVO Tender | 18,5 M€ subsidy

Research Projects

P2. Characterization, sorting and washing

MoQuP-R: NTCP, Maastricht University, TNO, LyondellBasell, Danone, Graham Packaging, Verpact
UPTYRE: Recybem, Hogeschool Windesheim en Universiteit Twente, Reedijk Used Tyres, Kargro Recycling, Apollo Tyres (Europe), Avantes, Spectral Industries, Rubber Resources, New Born Rubber

P3. Recycling of polyolefin packaging

SKILLS: Trioworld, Grolsch, Broeckx recycling, NTCP
Cap-to-Cap Recycling: Morssinkhof Plastics, SABIC, Mors-Invest, Corvaglia Mould AG, DUCARES (Triskelion), Coca-Cola Europacific Partners Nederland

P5. Chemical depolymerization

TEXPOWER: DPI, Kringcoop, Frankenhuis, Saxion, Cellicon, Textile Fiber Boost, SaXcell, Spinning Jenny, Enschede Textielstad Innovatie

Showcases

RVO dedicated assignment open infrastructure | 35M€ subsidy

P2. Characterization, sorting and washing

NTCP

P7. Brightlands Circular Space

University Maastricht, TNO and Brightlands Chemelot Campus



2024 Awarded projects: Results

NWO | 10 scientific projects | 6M€ subsidy

PolyPulse: Selective polymer recycling by intense light flashes	dr. Sven Askes	TU/e, VU	Veridis
Self-assembling polyolefin network materials	prof. Dr. Patrizio Raffa	RUG, Gdansk uni	SABIC
Designing solid surface composites for recycling (Solid CIRface)	prof. dr. Katja Loos	RUG, NHL Stenden	AOC Resins, Marlan Solid Surface
Towards Circular Use of Pigments in the Recycling of Plastics	prof. dr. ir. Bert Weckhuysen	UU	CuRe Technology, Holland Colours
Improving plastics circularity through simplified quality assessment based on the microplastics index	dr. ir. Arjen Boersma	TU/e, TNO	Plastics Europe
Top-down covalent adaptable and circular epoxy networks	dr. Katrien Bernaerts	UM	Westlake Epoxy
Sustainable and fire-safe plastics based on fully organic phosphorus-sulfur compounds (SuFiP-S)	dr. Ali Gooneie	UM	SABIC
CLEANpack: Towards food safe Closed Loop rEcycling of pAckagiNg	prof. dr. ir. Steven de Meester	UM, UGent	Basell Polyolefin, BASF Chemetall, Danone S.A., The Kraft Heinz Company
Design for recycling and effective/secure sealing of high-barrier mono-material flexible packaging films	prof. Roland ten Klooster	UT, TNO	Borealis, Cargill Bioindustrial
Catalytic extrusion for recycling of plastic waste	dr. Ina Vollmer	UU, UM, Ruhr Uni	Carbolig, Coperion



2025 CPNL Open call: 2 categories

Research projects 4,5 M€

Research into processes, methodologies or techniques aimed at improving the Design, Characterization/Sorting/Washing and/or Recycling of plastic waste streams in order to improve the efficiency of the recycling processes and the quality of the recyclate.

- Maximum duration 4 years
- Maximum subsidy budget **1,5 M€ per project**

Showcases 31 M€

Projects that aims to remove bottlenecks in a specific value chain. This is done using the themes of Design, Characterization/Sorting/Washing and/or Recycling (technology). This creates an opportunity in the market to close this value chain, which can be used as a blueprint to close another value chain for the same or other materials.

- Maximum duration 5 years
- Maximum subsidy budget **3 M€ per project** (PILOT) or **7,5 M€** (DEMO)

2025 CPNL Open call: Subjects and budgets (35,5M€)

		Subject	max
Research projects 4,5 M€	<i>RVO 1</i>	P1 Microplastics	1,5 M€
	<i>RVO 2</i>	P2 In-line analyzing techniques for sorting	1,5 M€
	<i>RVO 3</i>	P2 Automatic sorting of large plastic articles waste streams	1,5 M€
	<i>RVO 4</i>	P6 Optimal chain for recycling of mixed plastic waste	1,5 M€
Showcases 31 M€	<i>RVO 5</i>	P4 Recycling of engineering plastics	3,0 M€
	Showcase - pilot	<i>RVO 6</i> P4 Recycling of soft PVC	3,0 M€
		<i>RVO 7</i> P5 Recycling of carpets	3,0 M€
		<i>RVO 8</i> P6 Thermochemical recycling of mixed plastic waste	3,0 M€
		<i>RVO 9</i> P3 Mechanical Recycling of polyolefin packaging	7,5 M€
	Showcase - demo	<i>RVO 10</i> P3 Recycling of polyolefin food-contact packaging	7,5 M€
		<i>RVO 11</i> P4 Recycling of consumer or industrial waste by using dissolution technology	7,5 M€
		<i>RVO 12</i> P5 Depolymerization	7,5 M€

RVO: CPNL tender **maximum subsidy %**

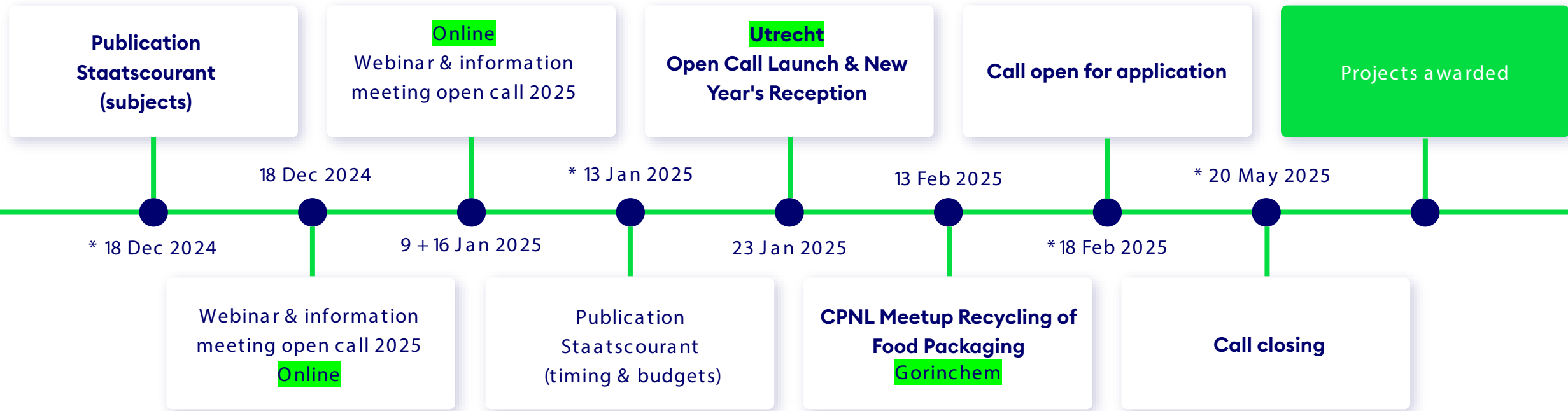
Participant	IO: Industrial Research	EO: Experimental Development	Demo: Demonstration Plant	Knowledge Dissemination
Knowledge/research institution	80% if not economical	80% if not economical	n.a.	100%
Small company	70%	45%	60%	100%
Middle sized company	60%	35%	50%	100%
Large company	50%	25%	40%	100%
	Includes project management activities	Includes project management activities Includes pilot plant development	Subsidy applies on additional cost versus a reference investment, see AGVV 47	Max. 25k€ for a showcase and 50k€ for a research project For companies under the deminimize ruling
Applicable to subjects	All with exception of RVO 3	All	Only for RVO 9 up to and including 12	All

RVO: CPNL tender ranking & criteria

Criteria	Research project	Showcase
Fit with the CPNL program and contribution to targets	20%	20%
Level of innovation	30%	10%
Possibility of success	10%	30%
Quality of the project plan	20%	20%
Quality of the consortium	20%	20%
	100%	100%

- A group of independent experts will rank applications on the above criteria under guidance of RVO
- Applications that score sufficient points will be awarded subsidies in order of ranking within 1) the subject, 2) category until the available subsidy budget is spent.
- Remaining budgets from the two categories will be combined to subsidize the highest (positive) ranked project(s).
- If your application does not meet the minimum score (sufficient) on each of the ranking criteria, it will be rejected, even if budget is still available.

CPNL Planning: Events & next open calls



Online networking & matchmaking via B2Match





RVO-CPNL open call: applying

- › Application
 - Digital
 - Via RVO-website (e-loket) with e-herkenning eH3([Homepage | eHerkenning](#))
 - **Don't wait until the last day!**
- Application comprises:
 - Main applicant form (formulier penvoerder)
 - Partner forms (form for every project partner)
 - Project plan incl. knowledge dissemination (template on the website)
 - Budget form (template)
 - Declaration of company not in difficulties (Verklaring geen onderneming in moeilijkheden)
 - For demonstration projects: exploitation plan (exploitatieberekening)
 - De-minimis declaration in case a company applies subsidy for knowledge dissemination



Tips

- > Have project ideas tested
- > Check deadlines, be on time!
- > Describe technical operation in detail
 - Prepare project well!
 - Partners
 - Permits
 - Financing own share
 - Technical feasibility (preliminary

research!)

- Economic feasibility and business case
- Focus, no search!



Microplastics

RVO 1: Research Project (1,5 M€)

Goal

- Identify which microplastics are released where in the recycling process.
- How can the formation/release of microplastics be mitigated by optimization of process parameters and set up of the recycling process.

Value Chain

- Minimum of domestic/consumer waste

Type of plastics (minimum)

- PE, PP and PET
- PS or PA or PVC

Desired consortium composition

- Wasteprocessor (KSW)
- Recycler
- Knowledge/research institute

In-line analysing techniques for sorting

RVO 2 : P2 Research Project (1,5 M€)

Goal

- Optimizing the sorting process with more accurate in-line measurement of plastic composition.
- Monitoring quality of output and improving the yield of the sorting process towards higher quality recycle.

Value Chain

- Mixed plastic packaging waste

Type of plastics

- Different polymer grades must be separated with this technique.

Desired consortium composition

- Sorter of mixed plastic packaging waste
- Knowledge or research institute
- Recycler

Automatic sorting (large articles) plastic waste streams

RVO 3 : P2 Research Project (1,5 M€)

Goal

- Automation of large, rigid plastic articles sorting in an existing sorting line.

Value Chain

- Building and construction waste stream or from municipal collection centers.

Type of plastics

- Large rigid plastic articles

Desired consortium composition

- Sorter
- Equipment manufacturer
- Recycler

Optimal chain for recycling of mixed plastic waste

RVO 4 : P6 Research Project (1,5 M€)

Goal

- Develop technical solutions to set up a chain of collection , sorting and feedstock preparations that provides a polyolefin feedstock suited for thermo chemical recycling.

Value Chain

- Post sorted plastic (consumer) wasted
- Agriculture films
- Building & construction

Type of plastics

- (mixed) polyolefins

Desired consortium composition

- Waste processor
- recycler
- User of recycled product

Recycling of engineering plastics

RVO 5 : P4 Showcase - Pilot (3 M€)

Goal

- Demonstrate at pilot scale the recycling of engineering plastics from WEEE or Automotive towards recyclates that can be used as a new feedstock for similar products.

Value Chain

- WEEE
- Automotive

Type of plastics

- One or more of the following types: ABS, PC, PS, PBT, POM, PA, PP or compounds based on these polymers.

Desired consortium composition

- Waste processor
- Recycler
- Converter / User of the recyclate

Recycling of soft PVC

RVO 6 : P4 Showcase - Pilot (3 M€)

Goal

- Development of techniques to remove additives, stabilizers and legacy additives from soft PVC waste streams.

Value Chain (examples)

- Building & Construction
- Automotive
- Furniture

Type of plastics

- Soft PVC

Desired consortium composition

- Waste processor
- Recycler
- User of the recyclate

Recycling of Carpets

RVO 7 : P5 Showcase - Pilot (3 M€)

Goal

- Demonstrate at pilot scale the recycling of multilayer carpets into new feedstock for carpet yarn spinning and identify reuse applications for residual waste streams.
- Identify a solution for contaminants.
- Visualize additional cost of recycling in the entire value chain versus new (virgin based) carpets.

Value Chain

- Carpets

Type of plastics

- PP, PET and/or PA

Desired consortium composition

- Waste collector
- Waste processor
- Recycler
- User of the recyclate (spinner / carpet manufacturer)

Thermochemical recycling of mixed plastic waste

RVO 8 : P6 Showcase - Pilot (3 M€)

Goal

- Demonstrate a scalable process for thermochemical recycling (excluding gasification) at pilot scale, including the necessary pre-treatment, with a higher yield than existing thermochemical processes.

Value Chain

- Consumer or industrial mixed plastic waste (eg DKR350) that cannot be recycled mechanically today.

Type of plastics

- Mixed plastic waste streams (eg DKR 350) with high fraction of polyolefins.

Desired consortium composition

- Waste processor
- Recycler
- User of the thermochemical produced recyclate

Mechanical Recycling of polyolefin packaging

RVO 9 : P3 Showcase - Demo (7,5 M€)

Goal

- Development of a value chain (KSW, pre-treatment, and recycling) for the recycling of polyolefin packaging into similar new packaging at demo scale

Value Chain

- Packaging

Type of plastics

- polyolefins

Desired consortium composition

- Waste processor
- Recycler
- Converter

Recycling of polyolefin food-contact packaging

RVO 10 : P3 Showcase - Demo (7,5 M€)

Goal

- Development of an optimized chain from collection to recycling of at least one polyolefin food-contact packaging into new compliant food-contact packaging.
- Validation of the developed mechanical or physical recycling process at demo scale.

Value Chain

- Food-contact packaging

Type of plastics

- Polyolefin packaging

Desired consortium composition

- Waste processor
- Recycler
- Converter

Recycling of consumer or industrial waste (dissolution)

RVO 11: P4 Showcase - Demo (7,5 M€)

Goal

- Demonstrate at demo scale the recycling of plastics using dissolution technology
- Validate mass & energy balance at demo scale.

Value Chain

- Domestic/consumer or industrial plastic waste streams that cannot be recycled mechanically, or where dissolution offers a clear economic or quality advantage over other recycling techniques.

Type of plastics

- Any type of plastic from mentioned value chain.

Desired consortium composition

- Waste processor
- Recycler
- User of the recyclate

Depolymerization

RVO 12 : P5 Showcase - Demo (7,5 M€)

Goal

- Demonstrate at demo scale: recycling of PET, PA, PU or any other polymer to pure polymer grade monomers or oligomers, potentially followed by an integrated repolymerization process.
- Develop specification for the feedstock suitable for the installation.
- Development of improved characterization, sorting and washing process to provide depolymerization suitable feedstock.

Value Chain

- Any plastic value chain that generates sufficient feedstock for the types of plastics in scope at demo scale.

Type of plastics

- Depolymerization of PET, PA and PU or any other polymer

Desired consortium composition

- Waste processor
- Recycler
- User of the (monomer/oligomer) recycle

CPNL Team: program lines in scope

P1	System integration & Design <ul style="list-style-type: none">• Microplastics	Mark Demuynck
P2	Characterization, sorting and washing <ul style="list-style-type: none">• In-line analysing techniques for sorting• Automatic sorting of large plastic articles waste streams	Louis Jetten
P6	<ul style="list-style-type: none">• Optimal chain for recycling of mixed plastic waste	Tom Claessen
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P3	Recycling of polyolefin packaging <ul style="list-style-type: none">• Mechanical Recycling of polyolefin packaging• Recycling of polyolefin food-contact packaging	Mark Demuynck
P4	Recycling of styrenics <ul style="list-style-type: none">• Recycling of engineering plastics• Recycling of soft PVC• Recycling of consumer or industrial waste by using dissolution technology	Tom Claessen
P5	Chemical depolymerization <ul style="list-style-type: none">• Recycling of carpets• Depolymerization	Jan Willem Slijkoord
P6	Thermochemical recycling <ul style="list-style-type: none">• Thermochemical recycling of mixed plastic waste	Tom Claessen

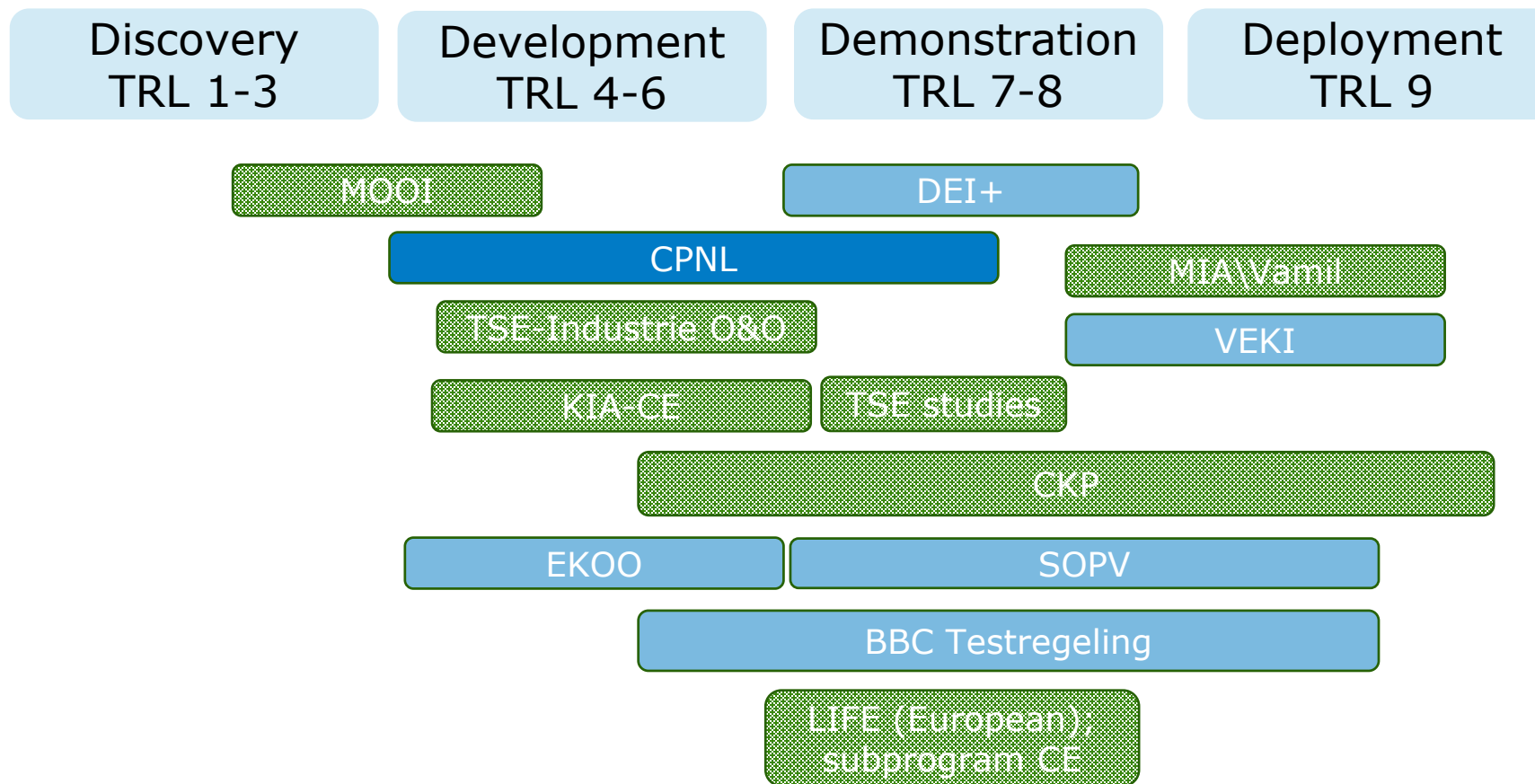
Contact details



<https://circularplasticsnl.org/organisatie>



Subsidies related to circular economy





Overview of **expected** subsidies 2025 for circular plastics

Subsidy scheme	Short description	Max. subsidy per project	Overall budget	Opening/ Closing	Call type
<u>CPNL</u> <u>Subsidieregeling</u>	Research & development, pilots, demo's (from design to recycling, no bio)	€ 1.500.000 or € 3.000.000 or € 7.500.000	€ 35.500.000	To be published	Tender
<u>EKOO</u>	1. Circular Plastics: Research & development, from design through recycling, min. 25% recycled or bio	€ 500.000	€ 4.000.000*	06-05-2025 t/m 21-08-2025	Tender
	2. Biobased Circular (biopolyesters): Research & development, design, new raw materials/building blocks/recycling routes	€ 500.000	€ 2.500.000	01-04-2025 t/m 13-05-2025	
<u>Subsidie omschakeling plastic verwerkers (SOPV)</u>	Low-threshold research/practical testing for converters of (circular) plastics (recyclate or bio)	€ 25.000	To be published, ≈ 11.000.000	To be published	First come first served
<u>BBC testregeling</u>	Low-treshold experimenting with circular biopolyesters for SMEs. Scope: research & development	€ 25.000	€ 1.500.000	To be published, expected Q1 2025	First come first served
<u>DEI+ CE</u>	Investments in pilot and demonstration projects throughout the whole value chain	€ 25.000.000 (pilots, testinfra)) € 30.000.000 (demo's)	€ 80.000.000	28-01-2025 t/m 28-08-2025	First come first served
<u>VEKI</u>	Investments in CO ₂ -saving installations, a.o. plastics sorting and recycling	€ 30.000.000	€ 130.000.000	22-04-2024 t/m 31-01-2025	First come first served

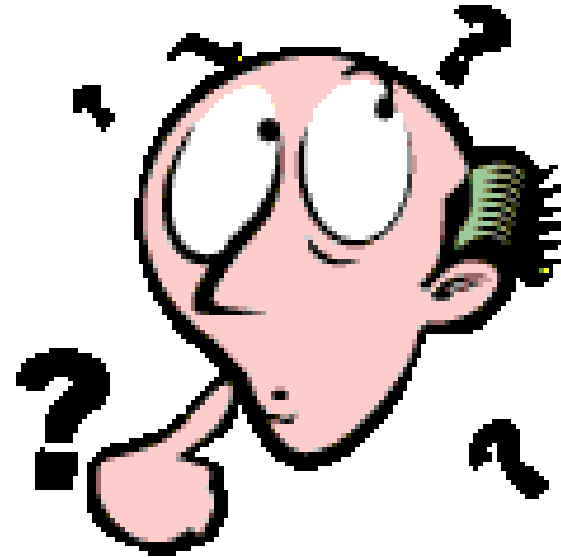
* Overall budget EKOO Circular Plastics is expected to be increased to € 7.500.000 early 2025

[Innovation fund: Information day on January 27](#)



Questions?

- › RVO Helpdesk (Klantcontact):
 - [Contact \(rvo.nl\)](https://www.rvo.nl)
 - 088 0424242 (+31 88 42 42 42 from abroad)



**Thank you !
Questions?**

<https://www.rvo.nl/subsidies-financiering/cpnl>

Online networking & matchmaking via B2Match

