



Netherlands Enterprise Agency

EU funding: Horizon Europe and LIFE EIC Accelerator Interreg Eurostars

7 December 2021 Circulaire
Maakindustrie

John Heynen – RVO

Jean-Luc Eggen - RVO

>> *Sustainable. Agricultural.
Innovative. International.*





Contents Presentation

- > Horizon Europe
- > LIFE
- > EIC Accelerator

In short:

- > Eurostars
- > Interreg



€ 95 billion

2021-2027



HORIZON EUROPE

Excellent Science



Research
Infrastructures

Global Challenges

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry, Space
- Climate, **Energy, Mobility**
- Food, **Bioeconomy**, Natural Resources, Agriculture and Environment

Joint Research Centre

Innovative Europe







European Innovation
Ecosystems



Widening participation & ERA



LIFE onderwerpen in een notendop (€ 5,5 mld)

Milieu			Klimaat
Natuur & Biodiversiteit N2000 gebieden verbeteren Omstandigheden voor soorten uit Vogel- en habitatrichtlijn verbeteren	Milieu & Grondstof-efficiency <ul style="list-style-type: none">•Water•Afval•Grondstoffen/ groene en circulaire economie•Milieu & gezondheid•Luchtkwaliteit/ Stedelijk milieu	Milieu Informatie en Bestuur Campagnes over water, afval, grondstof/circulair, luchtkwaliteit, milieu & gezondheid, natuur/biodiversiteit. Handhaving, ervaringen delen N2000 beheerders, vrijwilligersnetwerken, duurzaam inkopen.	<ul style="list-style-type: none">• Broeikasgas reductie• Aanpassing aan klimaatverandering• Informatie en bestuur 
			

- Publicatie: juni 2021
- Deadlines was 30 november 2021
- -> Full proposals
- In 2022 deadlines verwacht tussen juni – sept.

Vanaf 2021 een nieuw subprogramma erbij: **duurzame energie transitie** : 1e call gericht op regio's /overheden (vergelijkbaar met Horizon CSA's): deadline 12 januari 2022

	LIFE	Horizon	Interreg
<i>Eligible</i>	EU Memberstates only (exit UK!) + Iceland	EU + assoc. Countries (+ 3rd countries)	EU + assoc. Countries (+ 3rd countries)
<i>Nr. partners</i>	No minimum, anyone can apply	Min. 3 in different countries	Min. 3 in different countries.
<i>Funding</i>	60 %	100 / 70 / 60 %	circa 60%
<i>Typical funding</i>	1- 3 mln	3 – 7 mln	2 – 6 mln
<i>Nr. calls</i>	1 call / year (Climate - Env 3 strands) (bottom-up)	Many very specific calls (top-down)	1 – 2 calls / year Mainly open calls
<i>Type of project</i>	Pilot and demo	From research to demonstration	Innovative pilots -> roll-out
<i>Focus</i>	Environment & Climate	Several themes / challenges	Diverse
<i>State aid rules</i>	n.a.	n.a.	may apply
<i>Budget</i>	5.5 billion	95 billion	8 billion

Key to Success

~~Ask the EC to fund your project~~
Help the EU to solve its problems!



6 Commission priorities (2019-2024)

- A European Green Deal
- A Europe fit for the digital age
- An economy that works for people
- A stronger Europe in the world
- Promoting our European way of life
- A new push for European democracy





Cooperation
between different
actors for
IMPACT

- System approach
- Multi-disciplinary / cross-sectoral/
value chains
- Social Sciences and Humanities
- Involve Small and Medium Sized
Enterprises
- Involve the end-user
- Citizen Engagement



Some proposal tips

- Start thinking from **Impact!**
- Be ambitious, **follow your dream**
- **Project goal** should be crystal clear **within the first two pages**
- Be **specific**, in goals, objectives, methods, approaches, etc.
- Consortium building: look **beyond your comfort zone**
- Partners should **really work together**
- Don't write for 'us', but for people **like** you
- Write both technical **and** understandable also for the **non-expert reviewer**
- **Do not repeat** text
- **Impact Impact Impact!**



Topic description

CE-SPIRE-10-2018: Efficient recycling processes for plastic containing materials (IA)

Specific challenge:

Plastics materials are produced mainly from raw materials of fossil origin (e.g. PE, PP, and PET).(..) Recycling and redesign of plastics are essential in reusing plastic waste material and avoiding landfill. (..) **A major challenge lies in the development of process technologies**, utilising plastic waste as starting material (at least in part). A **better use of underexploited resource** (plastic waste) for the production of added value products (not restricted to plastics **but excluding fuels**) and process streams would **support the circular economy**.

Scope: Proposals are expected to **cover processes for the production of recyclable materials** containing plastics. Aspects to be considered are: Improved **energy and resource efficiency** / **Integration** with the relevant **value chains** / Process **flexibility** and ability to utilise waste heterogeneous plastic materials /**quality** of the raw (including secondary) material streams / **Quality**/specifications of the yielded streams / **Non-technological** hurdles (regulations and standards)

Expected impact:

- **decreased** utilisation of primary fossil resources in the process industry **of at least 30%**;
- The concept should utilise **at least 70% of waste** material including **at least 40% of plastic waste**;

Type of action:

Innovation Action (IA) , 70% funding for companies

The Commission considers that proposals requesting from EUR 8 million up to 12 million

Why?

About what?
Focus? Who?

Leading to?

Type of project,
budget?



Horizon Europe Industry in 2022

Cluster Digital, Industry and Space



National Contact Points for Industry in Horizon Europe

- Hans Bosch
- John Heynen
- Ahmet Polat



Six Destinations of Cluster 4 - the expected impacts they serve

Calls for 2022

- > Destination 1 **Climate neutral production / “Twin Transition”** **March 30th**
- > Destination 2 **Increased autonomy / “Resilience”** (January 25th), **March 30th**
- > Destination 3 Data April 5th
- > Destination 4 Digital & emerging technologies January 22nd, April 5th, November 16th
- > Destination 5 Space February 16th
- > Destination 6 Human-centred development April 5th

Always check the [Funding and tender portal](#) for the latest updates!





Disclaimer

All information presented is subject to change.

The screenshot displays the 'Funding & tender opportunities' portal. On the left, there are search filters for keywords, submission status (Fortcoming (24), Open for submission (89), Closed), programming period (2021 - 2027 (95)), programme part (Digital, Industry and Space), mission, destination, and quick search on specific priorities. The main area shows a list of 95 funding and tenders. The first few entries are:

- Earth observation technologies for the mining life cycle in support of EU autonomy and transition to a climate-neutral economy (RIA)**
Open for submission: Horizon Europe (HORIZON)
ID: HORIZON-CL4-2022-RESILIENCE-01-08
Types of action: HORIZON Research and Innovation Actions
Deadline model: single-stage
Opening date: 12 October 2021
Deadline date: 30 March 2022 17:00:00 Brussels time
- Technological solutions for tracking raw material flows in complex supply chains (RIA)**
Open for submission: Horizon Europe (HORIZON)
ID: HORIZON-CL4-2022-RESILIENCE-01-05
Types of action: HORIZON Research and Innovation Actions
Deadline model: single-stage
Opening date: 12 October 2021
Deadline date: 30 March 2022 17:00:00 Brussels time
- Sustainable and innovative mine of the future (IA)**
Open for submission: Horizon Europe (HORIZON)
ID: HORIZON-CL4-2022-RESILIENCE-01-06
Types of action: HORIZON Innovation Actions
Deadline model: single-stage
Opening date: 12 October 2021
Deadline date: 30 March 2022 17:00:00 Brussels time
- Innovative solutions for efficient use and enhanced recovery of mineral and metal by-products from processing of raw materials (IA)**
Open for submission: Horizon Europe (HORIZON)
ID: HORIZON-CL4-2022-RESILIENCE-01-07
Types of action: HORIZON Innovation Actions
Deadline model: single-stage
Opening date: 12 October 2021
Deadline date: 30 March 2022 17:00:00 Brussels time
- Advanced lightweight materials for energy efficient structures (RIA)**

Allways check the latest information at the funding & tender portal of the European Commission: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>



Cluster 4 Dest 1: Climate neutral, circular and digitised production

Topics “Twin-Transition”

- > [Search Funding & Tenders \(europa.eu\)](https://europa.eu): 13 topics
- > Addressing: e.g. process chains /modular manufacturing / surfaces /several circularity calls: digital tools, hubs, flows, process industry / construction/hubs / steel / CO₂ valorization /electrification
- > Deadline March 30th.



Type your Keywords...



Match whole words only

GRANTS

TENDERS

Submission status



Forthcoming



Open for submission (13)



Closed

Programming period

2021 - 2027 (13)



Horizon Europe (HORIZON)



Programme part

Select a Programme part...



Mission

Select a Mission...



Destination

Climate neutral, circular and digitised production (13)



Funding and tenders (13)

Need help?



Sort by:

Submission status



Grant

Digital tools to support the engineering of a Circular Economy (Made in Europe Partnership) (RIA)

Open for submission

Programme	Horizon Europe (HORIZON)	Deadline model	single-stage
ID	HORIZON-CL4-2022-TWIN-TRANSITION-01-07	Opening date	12 October 2021
Types of action	HORIZON Research and Innovation Actions	Deadline date	30 March 2022 17:00:00 Brussels time

Grant

Demonstrate the use of Digital Logbook for buildings (IA)

Open for submission

Programme	Horizon Europe (HORIZON)	Deadline model	single-stage
ID	HORIZON-CL4-2022-TWIN-TRANSITION-01-09	Opening date	12 October 2021
Types of action	HORIZON Innovation Actions	Deadline date	30 March 2022 17:00:00 Brussels time

Grant

Circular flows for solid waste in urban environment (Processes4Planet Partnership) (IA)

Open for submission

Programme	Horizon Europe (HORIZON)	Deadline model	single-stage
ID	HORIZON-CL4-2022-TWIN-TRANSITION-01-10	Opening date	12 October 2021
Types of action	HORIZON Innovation Actions	Deadline date	30 March 2022 17:00:00 Brussels time

Grant

Valorisation of CO/CO2 streams into added-value products of market interest (Processes4Planet Partnership) (IA)

Open for submission

Programme	Horizon Europe (HORIZON)	Deadline model	single-stage
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Cluster 4 Dest 2: Increased autonomy in key strategic value chains for **resilient** industry;

Topics “RESILIENCE”

- > [Search Funding & Tenders \(europa.eu\)](https://europa.eu): 23 topics
- > Addressing: e.g. circular value chains / raw materials (deep sea mining / circular/ earth observation) / advanced materials / biomaterials / membranes / SME & Startup resilience
- > Deadline March 30th. (except topic 2021-RES-02-32: 25 Jan 2022)





Industry in other Clusters

- > Cluster 1: Health
 - D5: tools, technologies, data, D6: cyber
- > Cluster 5: Climate, energy and mobility
 - Batteries (and material) research: [Search Funding & Tenders \(europa.eu\)](#) (17 topics; April 28th)
 - Energy ; [Search Funding & Tenders \(europa.eu\)](#) (18 topics; January 22nd); [Search Funding & Tenders \(europa.eu\)](#) (63 topics; several deadlines in 2022)
- > Cluster 6: Food, Bioeconomy and natural resources etc. Biobased products (CBE JU: Circular Biobased Europe Joint Undertaking), TBC
- > EIC Accelerator : aiming at SMEs -> Jean-Luc Eggen



Pillar 2
Global Challenges and European Industrial Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre



RESEARCH & INNOVATION
TO DRIVE THE
GREEN DEAL

#EUGreenDeal
#ResearchImpactEU





Why getting involved in Horizon Europe?

- Access to knowledge
- Access to new markets, clients
- Networking
- Experiencing co-operation with international partners
- Funding for systemic innovation; value chain co-operation
- Funding (70/100% depending on project type)





Horizon 2020 funded circular project

PROJECT DESCRIPTION

PLAST2bCLEANED project intends to develop a method for waste electrical and electronic equipment (WEEE plastics) recycling that is practical and economically feasible, whilst also reducing environmental impact.

Duration	June 2019 – May 2023
EU contribution	€ 4 500 830 (100%)
Project type	Research and Innovation Action
Consortium	10 partners
 partners	TNO (coordinator), Coolrec and ICL-IP



Want to know more?

- > Register at:
 - [Interesseformulier Horizon Europe en andere Europese programma's | RVO.nl | Rijksdienst](#)
- > Check our Wegwijzer:
 - [Wegwijzer Horizon Europe - 2021-2022 \(rvo.nl\)](#)
 - CE gehighlight:
<https://www.rvo.nl/sites/default/files/2021/11/Wegwijzer%20Horizon%20Europe%20calls%20circulaire%20maakindustrie.pdf>
- > Contact us:
 - teamiris@rvo.nl



Cluster 4: Digital - Industry - Space

Topicnr	Section	Topic naam	Projecttype	TRL bij start	TRL bij einde	Budget totaal	Budget per project	Deadline
HORIZON-CL4-2021-TWIN-TRANSITION-01-16		Hubs for Circularity - European Community of Practice (ECoP) platform	CSA	n.a.	n.a.	2	± 2	23/09/2021
HORIZON-CL4-2021-TWIN-TRANSITION-01-17	Enabling circularity of resources in the process industries, including waste, water and CO2/CO	Plastic waste as a circular carbon feedstock for industry	IA	5	7	39	12 - 18	23/09/2021
HORIZON-CL4-2021-TWIN-TRANSITION-01-18		Carbon Direct Avoidance in steel: Electricity and hydrogen-based metallurgy	IA	5	8	28	6 - 8	23/09/2021
HORIZON-CL4-2021-TWIN-TRANSITION-01-19		Improvement of the yield of the iron and steel making	IA	6	8	14	4 - 5	23/09/2021
HORIZON-CL4-2021-TWIN-TRANSITION-01-20		Reducing environmental footprint, improving circularity in extractive and processing value chains	IA	5	7	36	± 12	23/09/2021
HORIZON-CL4-2021-TWIN-TRANSITION-01-21	Integration of Renewables and Electrification in process industry	Design and optimisation of energy flexible industrial processes	IA	5	7	39	12 - 18	23/09/2021
HORIZON-CL4-2021-TWIN-TRANSITION-01-22		Adjustment of Steel process production to prepare for the transition towards climate neutrality	IA	6	8	14	4 - 5	23/09/2021
HORIZON-CL4-2022-TWIN-TRANSITION-01-01	Green, flexible and advanced manufacturing	Rapid reconfigurable production process chains	IA	5	7	27,5	8 - 10	31/03/2022
HORIZON-CL4-2022-TWIN-TRANSITION-01-02		Products with complex functional surfaces	RIA	4	6	21,5	4 - 6	31/03/2022
HORIZON-CL4-2022-TWIN-TRANSITION-01-03		Excellence in distributed control and modular manufacturing	RIA	4	6	21,5	4 - 6	31/03/2022
HORIZON-CL4-2022-TWIN-TRANSITION-01-04		Intelligent work piece handling in a full production line	RIA	4	6	21,5	4 - 6	31/03/2022
HORIZON-CL4-2022-TWIN-TRANSITION-01-06	Advanced digital technologies for manufacturing	ICT Innovation for Manufacturing Sustainability in SMEs (I4MS2)	IA	5	7	30	4 - 8	31/03/2022
HORIZON-CL4-2022-TWIN-TRANSITION-01-07		Digital tools to support the engineering of a Circular Economy	RIA	3-4	6	22	3 - 6	31/03/2022
HORIZON-CL4-2022-TWIN-TRANSITION-01-09	A new way to build, accelerating disruptive change in construction	Demonstrate the use of Digital Logbook for buildings	IA	5	7	9	± 4,5	31/03/2022



LIFE

- › Innovative (environmental) technology or development and restoration of nature conservation; **Pilot and Demonstrations**
- › Target group: public and private bodies
- › 1- 3 million Euro per project, upto 60% funding
- › **LIFE ENV focus on 3 strands:**
 1. Nature and Biodiversity
 2. **Environment and Resource Efficiency / Circularity**
-> **Demo- and pilots , close to market**
(typical funding: **1 – 3 mln**)
 3. Information and **Governance**
- › www.rvo.nl/LIFE
- › ec.europa.eu/LIFE
- › **Expected: New call 2022 in Spring; 1st deadline June – Sept 2022**

Vanaf 2021 een nieuw subprogramma erbij: duurzame energie transitie : 1e call gericht op regio's /overheden (vergelijkbaar met Horizon CSA's): deadline 12 januari 2022



Closing the loop



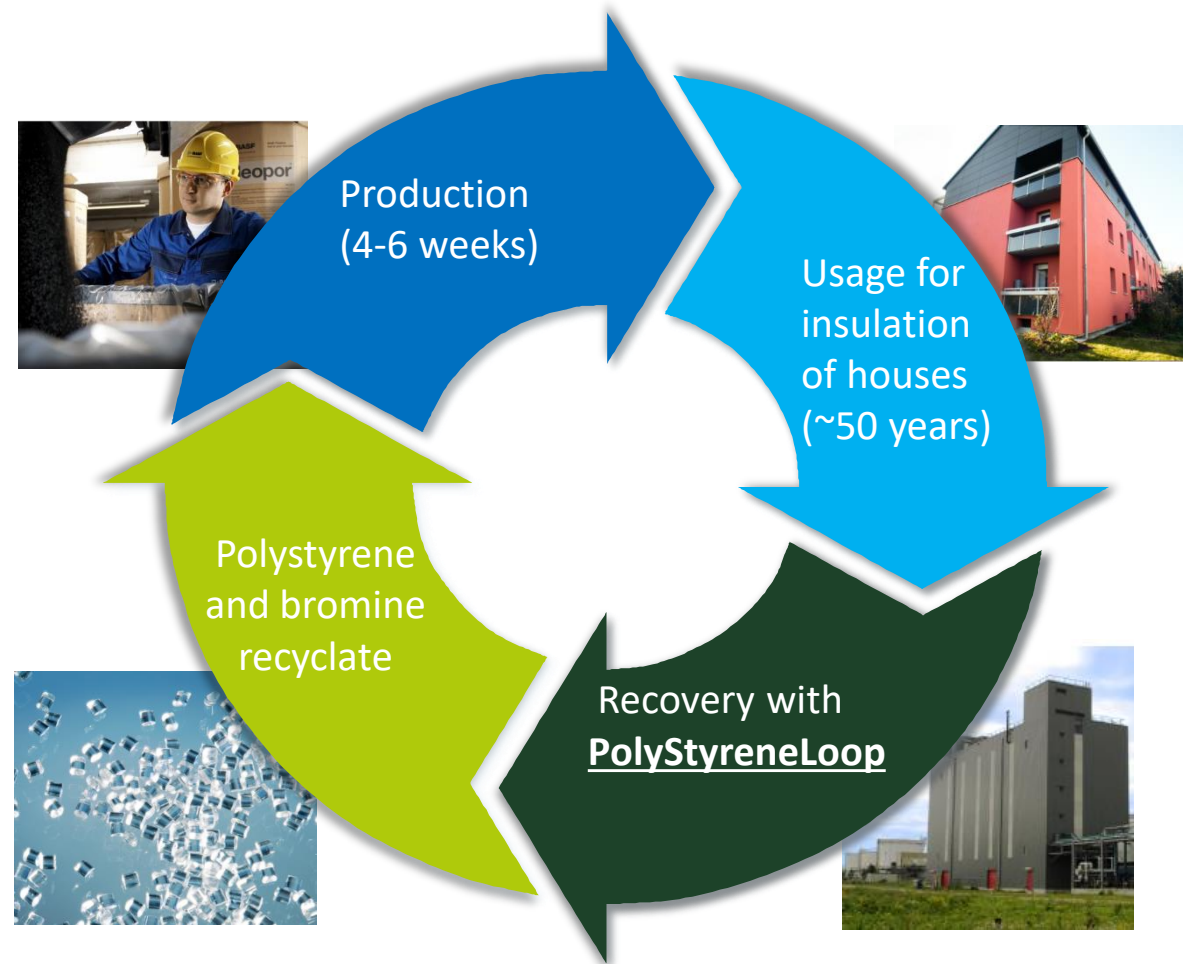
PolyStyreneLoop

www.polystyreneloop.eu

- > Total budget: 8.4 mln
- > LIFE funding: 2.7 mln



With the contribution
of the LIFE financial
instrument of the
European Community
LIFE 16 ENV/NL000271





National Contact Points

Rijksdienst voor Ondernemend Nederland
(RVO.nl)

Can you review my proposal

In which European call
should I submit?

Do I stand a chance?

How do I write a
winning proposal?

Which partners
do I need?

What are the financial
and legal consequences?

How to get in touch
with Brussels?

Horizon Europe: teamiris@rvo.nl

Cluster 4: John.Heynen@rvo.nl; 088-0422527

Hans.Bosch@rvo.nl; Ahmet.polat@rvo.nl

Cluster 5: Corinne.vanvoorden@rvo.nl;

Alexander.vanDorssen@rvo.nl

Cluster 6: Corinne.vanvoorden@rvo.nl;

Alexander.vanDorssen@rvo.nl

Other European innovation programmes

EIC Accelerator, Eurostars:

jean-luc.eggen@rvo.nl; accelerator@rvo.nl

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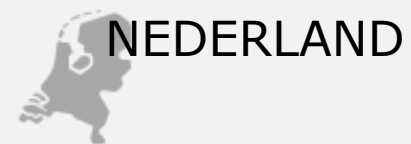
www.rvo.nl

Interreg



30 years together

Interreg periode VI 2021-2027 'bijna van start'!



Interreg North-West Europe

B

Interreg North Sea Region
European Regional Development Fund

B

Interreg Europe
European Union | European Regional Development Fund

C

+ 3 'cross-border' / A programma's

© EU EFRO territoriale samenwerking

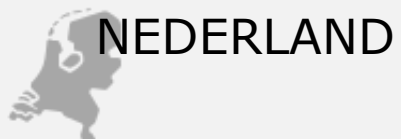
A cross-border

B transnationaal

C interregionaal



Interreg



NEDERLAND



B



B

European Regional Development Fund

ASPECTEN



30 years together

- overheden
- kennis & onderwijs
- belangen 'clubs'
- bedrijven MKB
- coöperaties

© Partnerschap – transnationaal!
- uiteenlopende organisaties
- lead partner*

© GEDEELD ONDERWERP !
→ ..gedeelde oplossing regio
→ ..opschaalbaar resultaat

© 60 % cofinanciering
.. = 40% zélf financieren

© PROJECTEN
- circa 3 jaar *
- circa 9 partners *
- circa € 3 mln *
- 'calls for project proposals'

Interreg



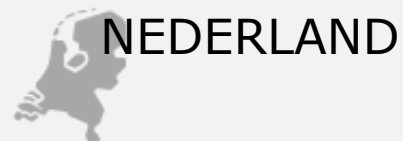
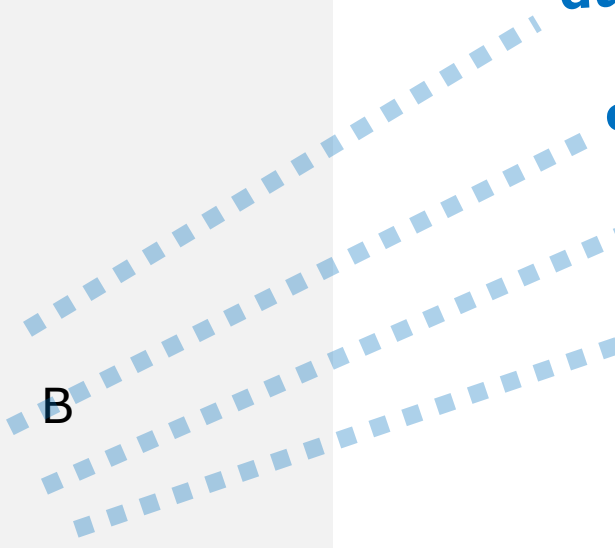
30 years together

duurzame economie & innovatie

circulaire economie

klimaatadaptatie, water, biodiversiteit

'governance', sociale innovatie, +



Interreg 
North-West Europe

Interreg 
North Sea Region
European Regional Development Fund

Interreg team RVO.nl |

december 2021

**check 'Interreg' via*

www.rvo.nl/interreg *

RVO-contactpersonen:

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Frank Everaarts

Esther Veenendaal

Machtelijn Brummel

