



**GBC Midden-Noord**

GBC Midden-Noord  
Contactweg 60  
Postbus 37022  
1030 AA Amsterdam

KvK-nummer: 67868452

Provincie Noord-Holland  
t.a.v. dhr. H.J. Breuker  
Dreef 3  
2012 HR Haarlem

Datum : 12 september 2017  
Betreft : Letter of Support

Dear Mr. Breuker,

With great interest we have taken notice of your intention to submit a LIFE project proposal for establishing an innovative, circular approach to safe and biodiverse roads: 'LIFE Grass2Grit'. As LIFE Grass2Grit aims to demonstrate the valorisation of road verge grass as both de-icing liquid and bio-based infrastructure, we are very interested to learn about its scope, objectives and anticipated outcomes.

As a partner of Province Noord-Holland our combination maintain e.g. roads, road verge grass and are also responsible for de-icing the roads. We are continuously analyzing our assets in our area, based on existing documentation, digital measurement and new technology, identifying improvements to increase the economic value of assets, and drafting plans to optimize portfolio of assets.

The valorisation of road verge grass as de-icing liquid and bio-based infrastructural applications is highly interesting. Your project LIFE Grass2Grit is key to demonstrate this principle and to generate more knowledge on this highly innovative topic. Additionally, from an environmental perspective we are curious to learn how the utilization of bio-based materials on and next to the road will affect the biodiversity in the road verges.

We are convinced that the solution developed by this consortium can contribute substantially to the transition towards a circular economy and to a more efficient use of road verge grass, which is currently treated as a waste product. As such, the outcomes of the project are very relevant to us and will be taken into account for future investment decisions.

For all the above reasons we are very much interested in the LIFE Grass2Grit project. We would like you to keep us informed and we will certainly consider contributing to the project in any way possible. For now, we wish you the best of luck in the execution of LIFE Grass2Grit.

Yours sincerely,  
Jaap van

den  
J van den Elshout  
Elshout

Digitaal ondertekend door Jaap van den Elshout  
DN: cn=Jaap van den Elshout, o=Contractmanagement, ou=Infra Asset Management, email=J.vanden.elshout@bam.nl, c=NL

Projectmanager GBC Midden-Noord (BAM/Engie/Krinkels)

# amsterdam economic board

Provincie Noord-Holland  
attn. Mr. H.J. (Hillebrand) Breuker  
Dreef 3  
2012 HR Haarlem  
The Netherlands

Jodenbreestraat 25  
1011 NH Amsterdam

T +31 (0)20 524 1120  
info@amecboard.com  
www.amsterdameconomicboard.com

Dear Mr. Breuker,

With great interest we have taken notice of your intention to submit a LIFE project proposal for establishing an innovative, circular approach to safe and biodiverse roads: 'LIFE Grass2Grit'. As LIFE Grass2Grit aims to demonstrate the valorisation of road verge grass as both de-icing liquid and bio-based infrastructure, we are very interested to learn about its scope, objectives and anticipated outcomes.

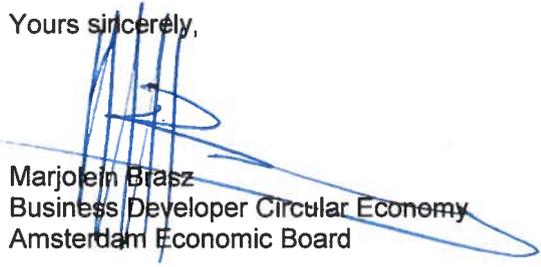
Road verge grass is one of the 9 focus areas within in the Amsterdam Metropolitan Area Circular Transition Programme ([www.amsterdameconomicboard.com](http://www.amsterdameconomicboard.com)) and as such we underline the importance of LIFE Grass2Grit.

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Yours sincerely,



Marjolein Brasz  
Business Developer Circular Economy  
Amsterdam Economic Board



Ministerie van Infrastructuur en Milieu

Provincie Noord-Holland  
attn. Mr. H.J. (Hillebrand) Breuker  
Dreef 3  
2012 HR Haarlem  
The Netherlands

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For our organisation it's important to explore and develop the chain of biomass and create new ways of using biomass as a replacement of traditional materials. Our business

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Yours sincerely,

Mireille Götz  
Manager Business Unit Natural Capital  
Rijkswaterstaat – Ministry of Infrastructure and Environment



Provincie Noord-Holland  
attn. Mr. H.J. (Hillebrand) Breuker  
Dreef 3  
2012 HR Haarlem  
The Netherlands

**Date:** 31 August 2017 **Phone:** +31 20 5234500  
**Our ref:** MHes//17/03948  
**Your ref:**  
**Your contact:** Micha Hes  
**E-mail:** micha.hes@portofamsterdam.nl  
**Subject:** Letter of support

Dear Mr. Breuker,

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We feel that the solution developed by this consortium can contribute to the transition towards a circular economy and to a more efficient use of road verge grass, which is currently treated as a waste product. As such, the outcomes of the project are very relevant to us and will be taken into account for future investment decisions.

For all the above reasons we are very much interested in the LIFE Grass2Grit project. We would like you to keep us informed and we will certainly consider contributing to the project in any way possible. For now, we wish you the best of luck in the execution of LIFE Grass2Grit.

Yours sincerely,

Micha Hes  
Business development manager

Retouradres: Postbus 155, 2600 AD Delft

Provincie Noord Holland  
T.a.v. Mr. H.J. Breuker  
Dreef 3  
2012 HR HAARLEM



**Onderwerp**  
LIFE Grass2Grit

Dear Mr. Breuker,

With great interest we have taken notice of your intention to submit a LIFE project proposal for establishing an innovative, circular approach to safe and biodiverse roads: 'LIFE Grass2Grit'. As LIFE Grass2Grit aims to demonstrate the valorisation of road verge grass as both de-icing liquid and bio-based infrastructural objects, we are very interested to learn about its scope, objectives and anticipated outcomes.

TNO is an independent research organization. We connect people and knowledge to create innovations that boost the sustainable competitive strength of industry and the well-being of society. Within the Research Roadmap Buildings & Infrastructures we contribute to reducing the environmental impact of our infrastructure. TNO helps to reduce this environmental impact with innovations in design, construction and maintenance. We develop solutions in collaboration with the public and private sectors by carrying out environmental assessments for the entire infrastructure life cycle, develop more durable materials, and design recycling processes.

We think that the demonstration of the use of road verge grass in roadside objects and road maintenance activities by the Grass2Grit consortium can contribute to the transition towards a circular economy and to a more efficient use of road verge grass, which is currently treated as a waste product. As such, the outcomes of the project are relevant to our Research Roadmap and strategy to achieve a higher level of sustainability of our infrastructures.

We are therefore highly interested in the LIFE Grass2Grit project. We would like you to keep us informed and look forward to involvement from TNO where possible. For now, we wish you the best of luck for a positive outcome of the LIFE Grass2Grit proposal and a successful execution of the project.

Yours sincerely,

Drs. P.P. van 't Veen  
Program Director Buildings & Infrastructures

**Leefomgeving**

Stieltjesweg 1  
2628 CK Delft  
Postbus 155  
2600 AD Delft

[www.tno.nl](http://www.tno.nl)

T +31 88 866 20 00

**Datum**

8 september 2017

**Onze referentie**

2017-TNO-BTL-0100308206

**E-mail**

[peter\\_paul.vantveen@tno.nl](mailto:peter_paul.vantveen@tno.nl)

**Doorkiesnummer**

+31 88 866 53 67

**Doorkiesfax**

+31 88 866 30 21

Op opdrachten aan TNO zijn de Algemene Voorwaarden voor opdrachten aan TNO, zoals gedeponeerd bij de Griffie van de Rechtbank Den Haag en de Kamer van Koophandel Den Haag van toepassing. Deze algemene voorwaarden kunt u tevens vinden op [www.tno.nl](http://www.tno.nl).  
Op verzoek zenden wij u deze toe.

Handelsregisternummer 27376655.

Provincie Noord-Holland  
attn. Mr. H.J. (Hillebrand) Breuker  
Dreef 3  
2012 HR Haarlem  
The Netherlands

7 september 2017 | Subject: Grass2Gritt

Dear Mr. Breuker,

With great interest we have taken notice of your intention to submit a LIFE project proposal for establishing an innovative, circular approach to safe and biodiverse roads: 'LIFE Grass2Gritt'. As LIFE Grass2Gritt aims to demonstrate the valorisation of road verge grass as both de-icing liquid and bio-based infrastructure, we are very interested to learn about its scope, objectives and anticipated outcomes.

The Dutch Butterfly Conservation (De Vlinderstichting) is initiator of 'Infranature' a wider collaboration of governments, NGO's and infrastructure companies, aiming more biodiversity along the national infrastructure. Here we focus on different scopes such as how to implement biodiversity in a business model. 'LIFE Grass2Gritt' includes monitoring the impact on biodiversity, that validate the sustainable value of the de-icing liquid. Additionally we are promoting the concept of 'Sinus-mowing', which yields more sustainable area for butterflies and other species, already implemented in various areas. 'LIFE Grass2Gritt' can be considered as one of the first pilots on long-term impact monitoring. The results can be merged in other studies.

As The Dutch Butterfly Conservation is participating the national initiatives on Circular Land Management (Biomassa alliance). Within this platform (over 40 stakeholders), the focus is mainly on innovations on biomass. Therefore the outcomes of 'LIFE Grass2Gritt' are followed with great interest. We are convinced that the solution developed by this consortium can contribute substantially to the transition towards a circular economy and to a more efficient use of road verge grass, which is currently treated as a waste product. As such, the outcomes of the project are very relevant to us and will be taken into account for future investment decisions in conservation of butterflies and biodiversity.

For all the above reasons we are very much interested in the LIFE Grass2Gritt project. We would like you to keep us informed and we will certainly consider contributing to the project in monitoring flora and fauna. For now, we wish you the best of luck in the execution of LIFE Grass2Gritt.

Yours sincerely,

**DUTCH BUTTERFLY CONSERVATION**

Albert Vliegenthart  
Ecologist and consultant



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NewFoss ([www.newfoss.com](http://www.newfoss.com)) is a company with an innovative technology to refine biomass residues into a clean fibre and an aqueous concentrate containing valuable components like amino acids, sugars, proteins, minerals and salts. NewFoss has a commercial scale demonstration installation in Uden supplying fibres to the packaging industry. The aqueous concentrate is cleaned and recycled, but the valuable contents are not being extracted and turned into products yet. For NewFoss it is therefore very relevant to investigate whether the available components can be used for de-icing or other products. This will highly contribute to a total use of the biomass and a circular economy.

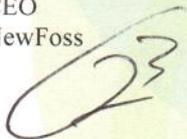
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Yours sincerely,

G.H.C.M. van Boekel  
CEO  
NewFoss



Additional letters of support for Grass2Grit are expected, but did not arrive in time to be added to this application. An updated list of parties that support Grass2Grit can be found at: [www.grass2grit.nl](http://www.grass2grit.nl)