



**FACE BOOK**  
SYSTEMIC Consortium

June 2017-June 2021

## **Content**

### **Wageningen Environmental Research**

Oscar Schoumans  
Inge Regelink  
Philip Ehlert  
Jochen Froebrich  
René Rietra  
Nies Springer

### **Proman Management GmbH**

Ludwig Hermann  
Ralf Hermann

### **Ghent University**

Erik Meers  
Evi Michels  
Claudio Brienza  
Ivona Sigurnjak

### **Flemish Coordination Centre for Manure Processing (VCM)**

Marieke Verbeke  
Emilie Snauwaert  
Thomas Vannecke

### **RISE Foundation**

Annabelle Williams  
Elisabet Nadeu

### **University of Milan**

Fabrizio Adani

### **European Biogas Association**

Franz Kirchmeyr  
Stefanie Königsberger  
Beatriz Peón  
François Troussier  
Bruno Deremince

### **ICL Phopshates**

Anthony Zanelli

### **ICL Europe Coöperatief U.A.**

Ron Mulder

### **Nijhuis Industries**

Wilbert Menkveld  
Geo Smith

## **Demo Plants**

### **AM-Power BVBA**

Henk Dedeyne  
Stefaan Delabie

### **Groot Zevert Vergisting BV**

Arjan Prinsen  
Frederike Piepers  
Roel Beunk

### **Acqua & Sole S.r.l.**

Gilberto Garuti  
Giovanni Boschin  
Massimiliano Maccagni

### **Rika Biofuel Developments Ltd**

Gregory Krupnikovs  
Harry Hoskyns-Abrahall  
James Fenwick

### **GNS - Gesellschaft für nachhaltige Stoffnutzung mbH**

Ute Bauermeister  
Thomas Meier  
Anett Paul

## **Key outreach location**

### **A-Farmers Ltd**

Teija Paavola  
Niina Immonen  
Sari Eskelä

### **Advisory Board**

Jacob Hansen Shane Ward  
Friedrich Barth  
Chris Thornton  
Thierry de l'Escaille

### **European Commission**

Stefania Rocca



**Dr Oscar Schoumans**

Home organization: Wageningen University and Research  
Wageningen Environmental Research (Alterra)

Visiting address: Droevendaalsesteeg 4,  
6708 PB Wageningen  
the Netherlands

Postal address: P.B. Box 4  
6700 AA Wageningen  
The Netherlands

Email: oscar.schoumans@wur.nl  
Phone: +31 317 486446  
Mobile: +31 6 20534209

Role in SYSTEMIC: Coordinator, senior scientist  
Participating in WP: 1, 2, 3, 4, 5

Core expertise: Nutrient Policy  
Nutrient Recovery  
Biobased Economy  
Soil and Water quality  
Ex post and ex ante evaluation of the Manure & Fertiliser  
Act

**My SYSTEMIC ambition:**

I'm looking forward to working with you all. I hope that after the SYSTEMIC program that there will be many solutions for the recovery and utilization of products derived from bio waste in order to enhance an economy based on reuse of valuable resources.



**Dr Inge Regelink**

Home organization: Wageningen University and Research  
Wageningen Environmental Research (Alterra)

Visiting address: Droevendaalsesteeg 4  
6708 PB Wageningen  
The Netherlands

Postal address: P.B. Box 4  
6700 AA Wageningen  
The Netherlands

Email: [inge.regelink@wur.nl](mailto:inge.regelink@wur.nl)  
Phone: +31 317-486631 (also mobile)  
Mobile: +31 6 103 27 583

Role in SYSTEMIC: Co-coordinator, researcher  
Participating in WP: 1, 2, 3, 4, 5

Core expertise: P-recovery from sewage sludge and manure  
Agriculture  
Environmental impact  
Circular solutions for biowaste

**My SYSTEMIC ambition:**

I will be involved in the coordination of the project and integration of the results of the different WP's. Moreover, I will be involved in our WP1-activities at Groot Zevert



**Ir Philip Ehlert**

Home organization: Wageningen University and Research  
Wageningen Environmental Research(Alterra)

Visiting address: Droevendaalsesteeg 4,  
6708 PB Wageningen  
the Netherlands

Postal address: P.B. Box 4  
6700 AA Wageningen  
The Netherlands

Email: [phillip.ehlert@wur.nl](mailto:phillip.ehlert@wur.nl)  
Phone: +31 317 484 794 (also mobile)  
Mobile: +31 6 14325836

Role in SYSTEMIC: Scientist  
Participating in WP: 1, 2, 3, 4

Core expertise: Plant nutrition  
soil science & soil fertility  
waste treatment  
European legislation on fertilizing products and wastes

**My SYSTEMIC ambition:**

With my support I want to contribute to the design and the development of technologies that will re-use and valorize bio-wastes, making them suitable as renewable secondary raw materials for the fertilizer industry creating the realization of new food chain value. Thus supporting the strengthening European competitiveness and boosting the potential of the circular (bio-based) economy.



**Dr Jochen Froebrich**

Home organization: Wageningen University and Research  
Wageningen Environmental Research(Alterra)

Visiting address: Droevendaalsesteeg 4,  
6708 PB Wageningen  
the Netherlands

Postal address: P.B. Box 4  
6700 AA Wageningen  
The Netherlands

Email: [Jochen.Froebrich@wur.nl](mailto:Jochen.Froebrich@wur.nl)

Phone: +31 317 481510

Mobile: +31 6 10483527

Role in SYSTEMIC: senior scientist

Participating in WP: 3, 4

Core expertise: Hydrology  
Irrigation and drainage  
Water management

My SYSTEMIC ambition:

I will contribute to the upscaling and overarching business development and strengthen the Systemic position within the WSSTP activities.



**Dr ir René Rietra**

Home organization: Wageningen University and Research  
Wageningen Environmental Research(Alterra)

Visiting address: Droevendaalsesteeg 4,  
6708 PB Wageningen  
the Netherlands

Postal address: P.B. Box 4  
6700 AA Wageningen  
The Netherlands

Email: rene.rietra@wur.nl  
Phone: +31-317-486495  
Mobile: +31-317-486495

Role in SYSTEMIC: Scientist  
Participating in WP: 1, 4

Core expertise: Nutrient Policy Nutrient Recovery Emissions

**My SYSTEMIC ambition:**

I like agriculture, chemistry, and soils. I hope that after the SYSTEMIC program it becomes much easier for farmers to use balanced fertilizers with low emissions.





**Nies Springer**

Home organization: Wageningen University and Research  
Wageningen Environmental Research(Alterra)  
Visiting address: Droevendaalsesteeg 4,  
6708 PB Wageningen  
the Netherlands  
Postal address: P.B. Box 4  
6700 AA Wageningen  
The Netherlands  
Email: [nies.springer@wur.nl](mailto:nies.springer@wur.nl)  
Phone: +31 317 486541 (also mobile)

Role in SYSTEMIC: Project Manager  
Participating in WP: 5

Core expertise: Business administration  
Financial management  
Marketing policy  
FP7 project management

My SYSTEMIC ambition:

My main target is to support and guide partners through the H2020 procedures so that at the end of SYSTEMIC's lifetime the administrative and financial books can be closed to the satisfaction of the Commission and the consortium.



**Prof. Dr ir Erik Meers**

Home organization: Ghent University  
Faculty of Bioscience Engineering  
Visiting address: Coupure Links 653  
9000 Ghent  
Belgium  
Postal address: Coupure Links 653 (BW08)  
9000 Ghent  
Belgium  
Email: Erik.Meers@UGent.be  
Phone: +32 (0) 9 264 60 94  
Mobile: +32 (0) 478 78 60 98

Role in SYSTEMIC: WP1 leader  
Participating in WP: 1,2,3,4 and 5

Core expertise: Environmental chemistry, focus on mineral (nutrient) recycling throughout the agro-food chain.  
Applied industry and policy oriented research.  
Coordinator of BioRefine Cluster Europe – a cluster of EU research, technology and business development projects.

My SYSTEMIC ambition:  
Help in putting innovation to effective use.



**Dr ir Evi Michels**

Home organization: Ghent University  
Faculty of Bioscience Engineering  
Visiting address: Coupure Links 653  
9000 Ghent  
Belgium  
Postal address: Coupure Links 653 (BW08)  
9000 Ghent  
Belgium  
Email: Evi.Michels@UGent.be  
Phone: +32 (0) 9 264 60 94  
Mobile: +32 (0) 494 33 53 37

Role in SYSTEMIC: Co-WP1 leader  
Participating in WP: 1,2,3,4 and 5  
Core expertise: Nutrient Recovery  
Biobased Economy  
Soil and Water quality/analysis  
General management

**My SYSTEMIC ambition:**

From a general perspective I hope that the SYSTEMIC project will give the necessary final push to nutrient recovery and recycling as this would mean a breakthrough in manure treatment in intensive regions. From a personal perspective I hope to gain more hands on practical experience by interacting with the different demo owners in frame of WP1.



**Dr ir Ivona Sigurnjak**

Home organization: Ghent University  
Faculty of Bioscience Engineering

Visiting address: Coupure Links 653  
9000 Ghent  
Belgium

Postal address: Coupure Links 653 (BW08)  
9000 Ghent  
Belgium

Email: Ivona.Sigurnjak@UGent.be  
Phone: +32 (0) 9 264 93 98  
Mobile: +32 (0) 49 039 19 16

Role in SYSTEMIC: Post-doctoral Researcher

Participating in WP: 1,2,3,4

Core expertise: Nutrient Recovery  
Soil nitrogen dynamics  
Biobased fertilizers  
Agricultural field scale experiments

**My SYSTEMIC ambition:**

I'm looking forward to collaborate with all partners in the SYSTEMIC project. I hope to contribute to the development of sustainable solutions for bio waste derivatives, and to enrich my current knowledge on nutrient recovery.



**MSc Claudio Brienza**

Home organization: Ghent University  
Faculty of Bioscience Engineering

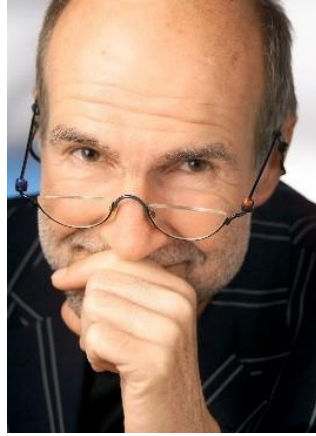
Visiting address: Coupure Links 653  
9000 Ghent  
Belgium

Postal address: Coupure Links 653 (BW08)  
9000 Ghent  
Belgium

Email: [claudio.brienza@ugent.be](mailto:claudio.brienza@ugent.be)

Mobile: +39 (0) 388982 27 22

Role in SYSTEMIC: Doctoral Researcher  
Participating in WP: 1,2



**Ludwig Hermann**

Home organization: Proman Management GmbH  
Visiting address: Weingartenstrasse 92  
2214 Auersthal  
Austria

Email: l.hermann@proman.pro  
Phone: +43 2288 21101  
Mobile: +43 699 18159915

Role in SYSTEMIC: Economic evaluator  
Participating in WP: 2, 5

Core expertise: Nutrient Policy  
Nutrient Recovery & Recycling  
Circular Economy Sustainable Development Renewable  
energy sources

My SYSTEMIC ambition:

My ambition is contributing to sustainable and commercially viable energy conversion and nutrient recycling solutions creating business and job opportunities in rural environments.



**Ralf Hermann**

Home organization: Proman Management GmbH  
Visiting address: Weingartenstrasse 92  
2214 Auersthal  
Austria  
Email: ralf.hermann@proman.pro  
Phone: +43 2288 211 01  
Mobile: +43 699 12122483

Role in SYSTEMIC: Project member  
Participating in WP: 1,2,3,4,5

Core expertise: Nutrient Recovery  
Nutrient Recycling  
Circular Economy  
LCA/LCC  
Biomass to energy  
Biomass to protein

My SYSTEMIC ambition:

My target is to foster European Circular Economy by identifying viable business cases independent on subsidies and promoting these success stories throughout European stakeholders. The future is going to be Circular!



**MSc Ir. Marieke Verbeke**

Home organization: Flemish Coordination Centre for Manure Processing (VCM)

Visiting/postal address: Katelijnepoort Business Center

Baron Ruzettelaan 1 B0.3

8310 Bruges

Belgium

Email: [marieke.verbeke@vcm-mestverwerking.be](mailto:marieke.verbeke@vcm-mestverwerking.be)

Phone: +32 (0)540 72 01

Mobile: +32(0)472 86 55 26

Role in SYSTEMIC: WP3 Leader

Participating in WP: WP1, 2, 3 and 4

Core expertise: Anaerobic digestion

Waste water treatment

Nutrient Recovery

My SYSTEMIC ambition:

To help bring the researched techniques for nutrient recovery in practice in Europe and to provide the outreach locations the needed support and information to successfully implement the most compatible nutrient recovery technique for their situation. In this way we can be a small link in closing the circular economy model for nutrient recovery.





**MSc Ing. Emilie Snauwaert**

Home organization: Flemish Coordination Centre for Manure Processing (VCM)  
Visiting/postal address: Katelijnepoort Business Center  
Baron Ruzettelaan 1 B0.3  
8310 Bruges  
Belgium  
Email: [Emilie.snauwaert@vcm-mestverwerking.be](mailto:Emilie.snauwaert@vcm-mestverwerking.be)  
Phone: +32 (0) 540 72 04  
Mobile: +32(0)493 73 53 19

Role in SYSTEMIC: Project member  
Participating in WP: WP1, 2, 3 and 4

Core expertise: Nutrient Policy (Flemish, Belgian and European)  
Nutrient Recovery  
Biobased Economy

**My SYSTEMIC ambition:**

my ambition in the project is that new techniques are implemented in practice through the demo plants, and that we can give the needed information and inspiration to the outreach locations to invest in new techniques. Only by practical implementation and testing, the circular economy in this sector can become a reality.



**Dr Thomas Vannecke**

Home organization: Flemish Coordination Centre for Manure Processing (VCM)  
Visiting/postal address: Katelijnepoort Business Center  
Baron Ruzettelaan 1 B0.3  
8310 Bruges  
Belgium  
Email: [thomas.vannecke@vcm-mestverwerking.be](mailto:thomas.vannecke@vcm-mestverwerking.be)  
Phone: +32 (0) 50 40 72 03  
Mobile: +32(0) 471 90 54 71

Role in SYSTEMIC: Project member

Participating in WP: WP1, 2, 3 and 4

Core expertise: Nutrient Policy (Flemish, Belgian and European)  
Nutrient Recovery  
Biobased Economy

**My SYSTEMIC ambition:**

SYSTEMIC is in my view very important to test and implement nutrient recovery techniques in Europe. The results and findings will be of uttermost importance for the transition of manure and digestate processing from nutrient removal to nutrient recovery. I am looking forward to work together with European experts and people from the field.



**Annabelle Williams**

Home organization: RISE Foundation  
Visiting/postal address: Rue de Treves 67,  
Brussels 1040  
Belgium

Email: [annabelle.williams@risefoundation.eu](mailto:annabelle.williams@risefoundation.eu)  
Phone: +32 (0) 2 234 30 00  
Mobile: +32(0) 49 437 20 76

Role in SYSTEMIC: WP4 Leader

Participating in WP: 1, 2, 3, 4, 5

Core expertise: EU Policy and dissemination

My SYSTEMIC ambition:

To continue the work invested in the RISE report on Nutrient Recovery and Reuse  
<http://www.risefoundation.eu/projects/nrr>



**Dr Elisabet Nadeu**

Home organization: RISE Foundation  
Visiting/postal address: Rue de Treves 67,  
Brussels 1040  
Belgium

Email: [elisabet.nadeu@risefoundation.eu](mailto:elisabet.nadeu@risefoundation.eu)  
Phone: +32 (0) 22 34 30 07  
Mobile: +32(0) 485 755 040

Role in SYSTEMIC: Project member / Co-WP4 leader

Participating in WP: 1, 2, 3, 4, 5

Core expertise: Co-author of NRR RISE report EU Policy and Dissemination Soil and water conservation

My SYSTEMIC ambition:

After our work on Nutrient Recovery and Reuse at RISE in 2015-2016, I'm happy to be able to continue to work in this field and contribute to the development of nutrient recovery and reutilization in the EU through SYSTEMIC. I'm looking forward to meeting and working with you all!  
Link to our report: [www.risefoundation.eu/publications](http://www.risefoundation.eu/publications)



**Prof. Dr Ir Fabrizio Adani**

Home organization: University of Milan (UNIMI)  
Gruppo Ricicla  
Visiting/postal address: DiSAA University of Milan  
Via Celoria 2  
20133 Milan  
Italy

Email: [Fabrizio.adani@unimi.it](mailto:Fabrizio.adani@unimi.it)  
Phone: +39 (0) 250 31 65 45  
Mobile: +39(0) 34 71 06 98 00

Role in SYSTEMIC: Senior scientist

Participating in WP: 1, 4

Core expertise: Nutrient Recovery  
Biobased Economy  
Soil and Water quality

My SYSTEMIC ambition:

I am looking for sharing with you knowledge about nutrient recovery and circular economy. This project will help to improve bio-economy in EU and in my country as well.



**Franz Kirchmeyr**

Home organization: European Biogas Association  
Visiting/postal address: Rue d'Arlon 63-65  
1040 Brussels  
Belgium

Email: kirchmeyr@european-biogas.eu

Mobile: +32(0) 494 37 20 76

Role in SYSTEMIC: Project member

Participating in WP: 2, 3

Core expertise: digestate issues  
end of waste fertilizers  
eco-label  
biowaste as feedstock  
REACH

My SYSTEMIC ambition:

The biogas technology is of high interest to me because it provides a broad range of products and different ways of use. Digestate is the second product of the AD process. Although it is nearly not recognized by public audiences, it is a very important product which enables recycling of nutrients and recovery of important amounts of carbon to soil. SYSTEMIC especially deals with further development of digestate techniques which makes it interesting to me.



**Stefanie Köningsberger**

Home organization: European Biogas Association  
Visiting/postal address: Rue d'Arlon 63-65  
1040 Brussels  
Belgium

Email: [keuningsberger@european-biogas.eu](mailto:keuningsberger@european-biogas.eu)

Phone: +32(0) 2 400 10 87

Role in SYSTEMIC: Project member

Participating in WP: 2, 3

Core expertise: Anaerobic Digestion  
(Substrates, Pretreatments, Process Monitoring)  
Renewable Gases  
Environmental Biotechnology  
Statistics on Biogas Sector

My SYSTEMIC ambition:

The biological process is what makes biogas technology very interesting to me. It allows an upgrading of the used substrate to valuable organic fertilizer. Every biogas plant is individual and needs individual substrate, process and product management. It is very important to describe different biogas plant models and show possibilities of integrating a circular economy. SYSTEMIC will develop business models which will help to establish sustainable biogas production and nutrients recovery on a larger scale. I am happy to contribute to the project.



**Beatriz Peón**

Home organization: European Biogas Association  
Visiting/postal address: Rue d'Arlon 63-65  
1040 Brussels  
Belgium

Email: [peon@european-biogas.eu](mailto:peon@european-biogas.eu)

Phone: +32(0) 2 400 10 89

Role in SYSTEMIC: Project member

Participating in WP: 4

Core expertise: Communications  
Event management

My SYSTEMIC ambition:

The EBA membership brings together a strong cross-European network. From its position in Brussels, the association will dedicate its efforts to make the most out of its existing channels and contacts, while developing different online and offline content for the Systemic project.





**François Troussier**

Home organization: European Biogas Association  
Visiting/postal address: Rue d'Arlon 63-65  
1040 Brussels  
Belgium

Email: [troussier@european-biogas.eu](mailto:troussier@european-biogas.eu)

Phone: +32(0) 2 400 10 89

Role in SYSTEMIC: Project member

Participating in WP: 4

Core expertise: Communications  
Event management

My SYSTEMIC ambition:

The EBA membership brings together a strong cross-European network. From its position in Brussels, the association will dedicate its efforts to make the most out of its existing channels and contacts, while developing different online and offline content for the Systemic project.



**Bruno Deremince**

Home organization: European Biogas Association  
Visiting/postal address: Rue d'Arlon 63-65  
1040 Brussels  
Belgium

Email: [deremince@european-biogas.eu](mailto:deremince@european-biogas.eu)

Phone: +32(0) 2 400 10 87

Role in SYSTEMIC: Project member

Participating in WP: 2, 3

Core expertise: Anaerobic Digestion  
Biogas Statistics & Market analysis  
Renewable Gases  
Environmental Science and Engineering  
Biobased Economy  
Soil and Water quality

My SYSTEMIC ambition:

The recovery of nutrients is of high interest to the biogas sector. The emissions from producing mineral fertilizers and shipping them to Europe are immense and can be avoided by using locally produced organic fertilizer. The importance of nutrient recovery is also acknowledged by the EU Institutions as they support reaching a circular economy in several sectors.



**Anthony Zanelli**

Home organization: ICL Phopshates  
Visiting adress: Fosfaatweg 48  
1013 BM Amsterdam  
The Netherlands  
postal address: P.O. Box 313  
1000 AH Amsterdam  
The Netherlands

Email: [Anthony.Zanelli@icl-group.com](mailto:Anthony.Zanelli@icl-group.com)

Phone: +31(0) 20 5815141  
Mobile: +31(0) 6 11304427

Role in SYSTEMIC: Project member

Participating in WP:

Core expertise: Chemical engineering  
Bulk Chemicals Operations  
General Management  
Supply Chain management

**My SYSTEMIC ambition:**

Contribute knowledge and expertise in the field of fertilizer production, access to my network and ICL resources.



**Ron Mulder**

Home organization: ICL Europe Coöperatief U.A.  
Visiting address: Prinsenhof Building,  
Koningin Wilhelminaplein 30,  
1062 KR Amsterdam

Postal address: The Netherlands  
P.O. Box 75579,  
1070 AN Amsterdam,  
The Netherlands

Email: ron.mulder@icl-group.com

Phone: +31 20 58 15 134  
Mobile: +31 6 54 34 37 36

Role in SYSTEMIC: LEAR for ICL

Participating in WP: N/A

Core expertise: Finance  
Financing Project  
Tax

My SYSTEMIC ambition:

That this project may help all of us to find solutions how to deal with the reuse of valuable resources and will create a basis for new ideas .



**MSc. Wilbert Menkveld**

Home organization: Nijhuis Industries  
Visiting adress: Innovatieweg 4,  
7007 CD Doetinchem, the Netherlands  
The Netherlands  
postal address: P.B. Box 44,  
7000 AA Doetinchem,  
The Netherlands

Email: [wilbert.menkveld@nijhuisindustries.com](mailto:wilbert.menkveld@nijhuisindustries.com)

Phone: +31(0) 314 749021  
Mobile: +31(0) 6 53120055

Role in SYSTEMIC: senior scientist

Participating in WP: 1, 2, 4

Core expertise: Design of Manure and Digestate treatment plants  
Ammonia Recovery  
RE-P-EAT  
Geniaal

**My SYSTEMIC ambition:**

I'm looking forward to work with you all and that we can prove together that it is technical-economical feasible to turn raw manure and/or digestate into recovered phosphate, nitrogen and potassium fertilizers and clean water.

I have the ambition that after the successful implementation of the SYSTEMIC program, we have proven that it is technical-economical feasible to turn raw manure and/or digestate into separated phosphate, nitrogen and potassium fertilizers and clean water, towards a circular economy.



**MSc. Geo Smith**

Home organization: Nijhuis Industries  
Visiting adress: Innovatieweg 4,  
7007 CD Doetinchem  
the Netherlands  
The Netherlands  
postal address: P.B. Box 44,  
7000 AA Doetinchem,  
The Netherlands

Email: [Geo.Smith@nijhuisindustries.com](mailto:Geo.Smith@nijhuisindustries.com)

Phone: +31(0) 314 749025  
Mobile: +31(0) 6 23259885

Role in SYSTEMIC: senior scientist

Participating in WP: 1, 2, 4

Core expertise: Design of Manure and Digestate treatment plants  
Membrane filtration  
Ammonia Recovery  
RE-P-EAT  
Geniaal

My SYSTEMIC ambition:

To demonstrate the value of manure by separating it into use full fractions like phosphate, nitrogen, potassium and an organic fraction.



**Henk Dedeyne**

Home organization: AM-Power BVBA  
Plant address: Brugsesteenweg 176  
8740 Pittem  
Belgium

Email: [henk.dedeyne@gmail.com](mailto:henk.dedeyne@gmail.com)

Mobile: +32(0) 486 444004

Role in SYSTEMIC: Demonstration plant

Participating in WP: 1, 2,3,4

Core expertise: construction and exploitation biogas plants  
Post treatment digestate and nutrient recuperation

My SYSTEMIC ambition:

Get results on a large-scale treatment with nutrient recuperation which can be implemented in similar applications to treat bio-waste and this on a economically responsible way. Sharing experiences with other members to improve our knowledge.



**Stefaan Delabie**

Home organization: AM-Power BVBA  
Visiting adress: Brugsesteenweg 176  
8740 Pittem

Email: delabie.stefaan@gmail.com

Mobile: +32(0) 475 270925

Role in SYSTEMIC: Demonstration plant

Participating in WP: 1, 2,3,4

Core expertise: construction and exploitation biogas plants  
Post treatment digestate and nutrient recuperation

My SYSTEMIC ambition:

Get results on a large-scale treatment with nutrient recuperation which can be implemented in similar applications to treat bio-waste and this on a economically responsible way. Sharing experiences with other members to improve our knowledge.





**Arjan Prinsen**

Home organization: Groot Zevert Vergisting BV  
Visiting address: Deventer Kunstweg 2a  
7156 NW Beltrum  
The Netherlands  
Postal address: Ringweg 28  
7156 SH Beltrum  
The Netherlands  
Email: [Arjan@groot-zevert.nl](mailto:Arjan@groot-zevert.nl)  
Phone: +31(0) 545-161593  
Mobile: +31(0) 651 24 91 07  
Role in SYSTEMIC: Demonstration plant  
Participating in WP: 1, 2,3,4  
Core expertise: Biomass pretreatment  
Digester management  
Biogas production and cleaning  
Dairy farmer

**My SYSTEMIC ambition:**

Valorization of new circular concepts in the agro sector. Developing and testing of business cases for by-products, scaling-up of separation processes and creating additional value.

## **Roel Beunk**

Home organization: Groot Zevert Vergisting BV  
Visiting adress: Deventer Kunstweg 2a  
7156 NW Beltrum  
The Netherlands  
Postal address: Ringweg 28  
7156 SH Beltrum  
The Netherlands

Email: [Roel@groot-zevert.nl](mailto:Roel@groot-zevert.nl)

Phone: +31(0) 0651249107  
Mobile: +31(0) 6 51261147

Role in SYSTEMIC: Demonstration plant

Participating in WP: 1, 2,3,4

My SYSTEMIC ambition:

To make a success of SYSTEMIC and looking forward to cooperate with other experts.



**Frederike Piepers**

Home organization: Groot Zevert Vergisting BV  
Visiting adress: Deventer Kunstweg 2a  
7156 NW Beltrum  
The Netherlands  
Postal address: Ringweg 28  
7156 SH Beltrum  
The Netherlands

Email: [f.piepers@groot-zevert.nl](mailto:f.piepers@groot-zevert.nl)

Phone: +31(0) 544 461825  
Mobile: +31(0) 6 12195858

Role in SYSTEMIC: Demonstration plant  
LEAR  
Financial Signatory  
Account administrator

Participating in WP: 1, 2,3,4

Core expertise: Administration  
Financial cases

My SYSTEMIC ambition:

I hope that it will be a good project, that we will have a lot of good solutions for the recovery and utilizations of products derived from biowaste. I hope that we will have a good work together and a lot of success!



**Dr Gilberto Garuti**

Home organization: Acqua & Sole S.r.l.  
Visiting address: via Giulio Natta, snc  
27100 Vellezzo Bellini (PV)  
Italy  
Postal address: via Vittor Pisani, 16  
20124 Milano (MI)  
Italy

Email: [gilberto.garuti@neorurale.net](mailto:gilberto.garuti@neorurale.net)

Phone: +39 0382 922266  
Mobile: +39 335 75922360

Role in SYSTEMIC: Coordinator for Acqua & Sole

Participating in WP: 1, 2

Core expertise: Biogas as renewable energy  
Biological process applied to  
environmental remediation  
Biomass anaerobic process  
Circular economy  
Wastewater treatment

**My SYSTEMIC ambition:**

I will cooperate in the project in order to create links and share ideas between different SMEs that work for the improvement of circular economy systems. Furthermore, in my opinion, the effort of Universities in this project is by far the most important because it supports scientifically reuse of valuable resources.



**Dr Giovanni Boschini**

Home organization: Acqua & Sole S.r.l.  
Visiting address: via Giulio Natta, snc  
27100 Vellezzo Bellini (PV)  
Italy  
Postal address: via Vittor Pisani, 16  
20124 Milano (MI)  
Italy

Email: [giovanni.boschin@neorurale.net](mailto:giovanni.boschin@neorurale.net)

Phone: +39 0382 922245  
Mobile: +39 335 5320007

Role in SYSTEMIC: Senior researcher

Participating in WP: 1, 2

Core expertise: Agronomical field trials  
Fertilization plans  
Geographic Information System  
Manures and sewage sludges fertilization techniques  
Soil fertility

**My SYSTEMIC ambition:**

My main target in the project is to support the reuse of valuable resources and the recycle of nutrients in agronomical terms because this will be an important step for the development of circular economy. Moreover I would like to share ideas and knowledge with all of you.



**Dr Massimiliano Maccagni**

Home organization: Acqua & Sole S.r.l.  
Visiting adress: via Giulio Natta, snc  
27100 Vellezzo Bellini (PV)  
Italy  
Postal address: via Vittor Pisani, 16  
20124 Milano (MI)  
Italy

Email: [massimiliano.maccagni@neorurale.net](mailto:massimiliano.maccagni@neorurale.net)

Phone: +39 0382 922277

Role in SYSTEMIC: Accounting manager

Participating in WP: 1, 2

Core expertise: Business plan  
Budget  
Accounting & Fiscal treatments  
Financial analysis

My SYSTEMIC ambition:  
My personal target is to deploy my financial skills on behalf of the Group in order to assess in depth the financial side of this project.



**Gregory Krupnikovs**

Home organization: Rika Biofuel Developments Ltd  
Visiting address: Aldenham Park, Morville,  
Bridgnorth, Shropshire,  
WV16 4RN, United Kingdom

Email: [gregory.krupnikovs@rikabiofuels.com](mailto:gregory.krupnikovs@rikabiofuels.com)

Phone: +44 1746 714704  
Mobile: +44 7881 504307

Role in SYSTEMIC: Project Member

Participating in WP: 1, 2, 3, 4

Core expertise: Technical Engineering Solutions  
Valorising Digestate Products

My SYSTEMIC ambition:

To identify the best technical solution, or combination of technical solutions, that best allows large scale farming businesses to deal effectively with their manures through anaerobic digestion and nutrient recovery.



**Harry Hoskyns-Abrahall**

Home organization: Rika Biofuel Developments Ltd  
Visiting address: Aldenham Park, Morville,  
Bridgnorth, Shropshire,  
WV16 4RN, United Kingdom

Email: [harry.hoskyns.abrahall@rikabiofuels.com](mailto:harry.hoskyns.abrahall@rikabiofuels.com)

Phone: +44 1746 714704  
Mobile: +44 7920 045012

Role in SYSTEMIC: Project Member

Participating in WP: 1, 2, 3, 4

Core expertise: Nutrient recovery  
Valorizing digestate Products  
UK digestate regulations

My SYSTEMIC ambition:

Having operated several AD plants in the UK I understand only too well the challenge posed by digestate and the risk it can pose to profitability; and so I hope that this project identifies ways in which the true value of digestate can be realized.





**James Fenwick**

Home organization: Rika Biofuel Developments Ltd  
Visiting address: Aldenham Park, Morville,  
Bridgnorth, Shropshire,  
WV16 4RN, United Kingdom

Email: [james.fenwick@rikabiofuels.com](mailto:james.fenwick@rikabiofuels.com)

Phone: +44 1746 714704  
Mobile: +44 7909 917618

Role in SYSTEMIC: Project Member

Participating in WP: 1, 2, 3, 4

Core expertise: UK Permitting regulations  
Valorising Digestate Products  
UK digestate regulations

My SYSTEMIC ambition:

To identify a viable business model for the effective utilization of manures for anaerobic digestion in the European context.



**Dr Ute Bauermeister**

Home organization: GNS – Gesellschaft für nachhaltige Stoffnutzung mbH  
Visiting address: Weinbergweg 23  
06120 Halle (Saale)  
Germany

Email: u.bauermeister@gns-halle.de

Phone: +49 345 5583754

Mobile: +49 178 1834578

Role in SYSTEMIC: legal signatory of GNS, senior scientist

Participating in WP: 1, 2, 3, 4

Core expertise: biochemical, thermochemical and chemical conversion  
technologies of biomass and organic residues  
recovery of nutrients and other materials  
development in lab and pilot scale  
chemical design for realization of industrial plants

My SYSTEMIC ambition:

GNS participates in this project with his development of ammonia recovery from digestate and with a lot of practice in nutrient recovery at BENAS plant since 2008. We are looking forward to discuss and exchange experience to improve the state of the art and the efficiency of processes and products.



**Thomas Meier**

Home organization: GNS – Gesellschaft für nachhaltige Stoffnutzung mbH  
Visiting address: Weinbergweg 23  
06120 Halle (Saale)  
Germany

Email: t.meier@gns-halle.de

Phone: +49 345 5583705  
Mobile: +49 345 5583706

Role in SYSTEMIC: senior engineer, chemical engineering

Participating in WP: 1, 2, 3, 4

Core expertise: biochemical, thermochemical and chemical conversion  
technologies of biomass and organic residues  
recovery of nutrients and other materials  
chemical and process engineering  
engineering for new realizations of industrial plants

My SYSTEMIC ambition:

GNS participates in this project with his development of ammonia recovery from digestate and with a lot of practice in nutrient recovery at BENAS plant since 2008. We are looking forward to discuss and

exchange experience to improve the state of the art and the efficiency of processes and products.



**Anett Paul**

Home organization: GNS – Gesellschaft für nachhaltige Stoffnutzung mbH  
Visiting address: Weinbergweg 23  
06120 Halle (Saale)  
Germany

Email: a.paul@gns-halle.de

Phone: +49 345 5583705  
Mobile: +49 345 5583706

Role in SYSTEMIC: engineer, laboratory services

Participating in WP: 1, 2, 3, 4

Core expertise: establishment, support and evaluation of laboratory tests in the framework of biochemical thermochemical and chemical conversion technologies of biomass and organic residues  
mass and energy balances  
engineering tasks  
drawing of flowsheets

My SYSTEMIC ambition:

GNS participates in this project with his development of ammonia recovery from digestate and with a lot of practice in nutrient recovery at BENAS plant since 2008. We are looking forward to discuss and exchange experience to improve the state of the art and the efficiency of processes and products.



**MSc Teija Paavola**

Home organization: A-Farmers Ltd. (A-Tuottajat Oy)

Visiting address: Itikanmäenkatu 3,  
Seinäjoki  
Finland

Postal address: P.O. Box 910  
FI-60061 Atria,  
Finland

Email: [teija.paavola@atria.com](mailto:teija.paavola@atria.com)

Phone: +358 20 472 8111

Mobile: +358 50 466 3022

Role in SYSTEMIC: Project member

Participating in WP: 1, 2, 3, 4

Core expertise: Biogas production Biogas business Nutrient recovery Digestate quality  
Waste and manure management  
Environmental effects  
Fertilizer legislation

My SYSTEMIC ambition:

I am waiting for new available full-scale solutions for nutrient recovery and productization. Moreover, enhanced utilization of nutrient of agricultural origin are interesting. I am also waiting enthusiastic discussions and co-operation with the whole SYSTEMIC team.



**MSc Niina Immonen**

Home organization: A-Farmers Ltd. (A-Tuottajat Oy)

Visiting address: Itikanmäenkatu 3,  
Seinäjoki  
Finland

Postal address: P.O. Box 910  
FI-60061 Atria,  
Finland

Email: [niina.immonen@atria.com](mailto:niina.immonen@atria.com)

Phone: +358 20 472 8111

Mobile: +358 40 4825895

Role in SYSTEMIC: Specialist in primary production

Participating in WP: 1, 2, 3, 4

Core expertise: Pig production  
Pig feeding

My SYSTEMIC ambition:

I am waiting for new possibilities for nutrient recovery and productization and that way better profitability for pig production.



**MSc Sari Eskelä**

Home organization: A-Farmers Ltd. (A-Tuottajat Oy)

Visiting address: Itikanmäenkatu 3,  
Seinäjoki  
Finland

Postal address: P.O. Box 910  
FI-60061 Atria,  
Finland

Email: sari.eskela@atria.com

Phone: +358 20 472 8111

Mobile: +358 50 466 3022

Role in SYSTEMIC: Administration, Customer needs in primary production

Participating in WP: 1, 2, 3, 4

Core expertise: Pig production  
Breeding animals

My SYSTEMIC ambition:

I look forward to taking advantage of new feeding solutions and hence the recovery of nutrients. Utilizing new methods and discussing with the SYSTEMIC team.



**Stefania Rocca, PhD**

Home organization: Executive Agency for Small and Medium-sized Enterprises (EASME), European Commission

Role in SYSTEMIC: H2020 Eco-Innovation Project Adviser

Core expertise: Environment and resource efficiency  
Circular economy solutions  
Low carbon energy technologies  
Sustainable energy policy  
Life Cycle Assessment

My SYSTEMIC ambition:

My goal is to support all members of the consortium to leverage the implementation of SYSTEMIC project into a competitive eco-innovative business model. I am looking forward to a successful cooperation.





**Jacob Hansen**

Home organization:  
Visiting/postal adress

Fertilizers Europe asbl  
Avenue E. Van Nieuwenhuijse 6  
Brussels 1160  
Belgium

Email:

[jacob.hansen@fertilizerseurope.com](mailto:jacob.hansen@fertilizerseurope.com)

Phone:  
Mobile:

+32 2 6633141  
+32 475 49 96 04

Role in SYSTEMIC:

Member Advisory Board

Core expertise:

Director General Fertilizers Europe



**Shane Ward**

Home organization: University College Dublin (UCD)  
Address: School of Biosystems Engineering Belfield  
Dublin 4

Email: shane.ward@ucd.ie

Phone: +32 2 6633141  
Mobile: +32 475 49 96 04

Role in SYSTEMIC: Member Advisory Board

Core expertise: Professor of Biosystems Engineering



**Friedrich Barth**

Home organization: European Water Partnership  
Address: Boulevard Louis Schmidt 64  
B-1040 Brussels  
Belgium  
Email: f.barth@ewp.eu

Role in SYSTEMIC: Member Advisory Board

Core expertise: Chairman of the Board of Directors



**Chris Thornton**

Home organization: European Sustainable Phosphorus Platform  
Address: Avenue du Dirgeable 8  
1170 Bruxelles  
Belgium

Email: [info@phosphorusplatform.eu](mailto:info@phosphorusplatform.eu)

Phone: +33 474 93 07 93  
Mobile: +33 680 72 70 75

Role in SYSTEMIC: Member Advisory Board

Core expertise: Secretariat ESPP



**Thierry de l'Escaille**

Home organization: European Landowners' Organization – ELO ASBL  
Address: Rue de Trèves 67  
Brussels 1040  
Belgium

Email: [thierry.delescaille@elo.org](mailto:thierry.delescaille@elo.org)

Phone: +32 2 234 3000

Role in SYSTEMIC: Member Advisory Board



**Kimo van Dijk**

Home organization: European Sustainable Phosphorus Platform  
Address: Avenue du Dirgeable 8  
1170 Bruxelles, Belgium

Email: [info@phosphorusplatform.eu](mailto:info@phosphorusplatform.eu)  
kimovandijk@phosphorusplatform.eu

Phone: 0031 6 265 96 967

Role in SYSTEMIC: Member Advisory Board

Core expertise: Researcher ESPP