

Rural-Urban Symbiosis

8th-10th
September 2015

TUHH
Hamburg
Germany

RAMIRAN 2015

16th International Conference

Programme



<i>Mon. 07/09/15</i>	<i>Building N - Forum</i>
16:00 - 20:00	Pre-registration

	<i>Building I - Foyer</i>
16:00 - 20:00	Placement of Poster

	<i>Hamburg Harbour - Harbour City</i>
18:00 - 20:00	<p>City walk through harbour city</p> <p>Lead: <u>Gödtel, T.</u></p> <p><i>Meeting point I:</i> Building N - Forum (TUHH): 17.00 Mutual travel by Metro*</p> <p>Lead: <u>Rusch-Fehrmann, S.</u>; <u>Zahedi, A.</u></p> <p><i>Meeting point II:</i> Harbour city: 18.00 HafenCity InfoCenter im Kesselhaus (www.HafenCity.com) Am Sandtorkai 30 20457 Hamburg Lead: <u>Ohlrogge, C.</u></p>

* Metro tickets have to be bought by participants (day ticket for Greater Hamburg Area 6€)

Tue. 08/09/15		Building N - Forum	
08:00 - 09:00		Registration	

		Building I - Foyer	
08:00 - 09:00		Placement of poster	

		Building I - Audimax	
9:00 - 9:20		Opening	
09:00 - 09:05		Welcome by the organizers Organizing committee represented by conference chair, <u>PD Dr. habil. Ina Körner</u>	
09:05 - 09:10		Opening by <u>Prof. Dr. Dr. h.c. Garabed Antranikian</u> President of Hamburg University of Technology, Germany	
09:10 - 09:20		Introduction by <u>Dr. Harald Menzi, Dr. Tom Misselbrook</u> Coordinators of the RAMIRAN network	

		Building I - Audimax	
9:20 - 10:40		Keynotes	
		Chair: <u>Narodoslawsky, M.</u>	
		K-01 : Biobased economy in Germany – Sustainable supply of bioresources <u>Schütte, A., Becker, S.</u> (The German Agency for Renewable Resources, FNR, Germany)	
09:45 - 10:10		K-02 : Synergistic interaction of sanitation, biowaste utilization and energy systems towards water and food security <u>Otterpohl, R.</u> (Hamburg University of Technology, Germany)	
10:10 - 10:35		K-03: Energy recovery and added value molecules extracted from agricultural bioresources and organic waste - A review of research needs, perspectives and prospects <u>Martinez, J., Dabert, P.</u> (IRSTEA, France)	
10:35 - 10:40		Organizational matters <u>Körner, I.</u> (Hamburg University of Technology, Germany)	

Tue. 08/09/15

Building N - Forum

10:40 - 11:10

Coffee break

Tue. 08/09/15

Building K - Lecture Hall

Building N - Room 0007

Building N - Room 0009

11:10 - 12:15

Topic A : Quality Fertilizers from Residues

Topic D : The Bioresource Challenge

Topic B : Sustainable Soils

Chair: Pacholski, A.

Chair: Dabert, P.

Chair: Bernal, P.

11:10 - 11:30

TA-K-01 : Example of a country manure management profile – Switzerland

TD-K : Bioresource utilization in context with regional development

TB-K: From soil application of sewage sludge to nutrient recycling – A soil science outlook

Menzi, H., Kupper, T., Spiess, E. (Agroscope - Institute for livestock Science, Switzerland)

Narodoslawsky, M., Maier, S., Eder, M. (Graz University of Technology, Austria)

Kirchmann, H., Börjesson, G., Kätterer, T., Cohen, Y. (Swedish University of Agricultural Sciences, Sweden)

11:30 - 11:45

TA-O-01 : Development of a mobile app for manure management – 'The Farm Crap app'

TD-O-01 : Co-digestion of manure and organic residues in the Netherlands

TB-O-01 : Sustaining soil quality by farm compost application and non-inversion tillage, and resulting nitrogen dynamics

Wilson, B., Hodgson, C.J., Reigate, C., Roderick, S. (Rothamsted Research North Wyke, United Kingdom)

Velthof, G.L., Rietra, R.P.J.J., Ehlert, P.A.I., Oenema, O. (Wageningen University and Research / Alterra, The Netherlands)

Willekens, K., Vandecasteele, B., De Neve, S. (ILVO, Belgium)

11:45 - 12:00

TA-O-02 : Farmers' reasons to accept bio-based fertilizers – A choice experiment in Flanders

TD-O-02 : Perspective and conversion routes for bioproduction of bulk chemicals and fuels from organic wastes and green electricity

TB-O-02 : Preplant compost application improves landscape plant establishment and sequesters carbon in compacted soil

Tur Cardona, J., Speelman, S., Verpecht, A., Buysse, J. (Ghent University, Belgium)

Zeng, A.-P., Kaltschmitt, M. (Hamburg University of Technology, Germany)

Sullivan, D.M., Bell, N. (Oregon State University, United States of America)

12:00 - 12:15

TA-O-03: Agricultural reuse of the digestate from microalgae anaerobic digestion and co-digestion with sewage sludge

TD-O-03 : Bioconversion of renewable feedstocks and agri-food residues into lactic acid

TB-O-03: Organic matter stability and accessibility characterization -Towards a tool for organic residue diagnostic before land spreading

Solé, M., Cucina, M., Folch, M., Tàpies, J., Matamoros, V., Garfi, M., Ferrer, I. (GEMMA, Universitat Politècnica de Catalunya, Spain)

Venus, J., Pleissner, D. (Leibniz-Institut für Agrartechnik Potsdam-Bornim e.V., Germany)

Jimenez, J., Lei, H., Steyer, J-P., Houot, S., Patureau, D. (INRA, France)

Tue. 08/09/15	Building K - Lecture Hall		Parallel session 1
12:15 - 12:20	Refreshment break		
12:20 - 13:00	Poster lightning presentations (2 min) Quality Fertilizers from Residues (TA) and more Chair: Pacholski, A.		
	TC	TD	TE
I	TA-P-11: Procedure for defining new Swiss standard values for the nutrient excretions of dairy cows <u>Menzi, H.</u> , Schlegel, P., Huguenin, O. (Agroscope, Bundesforschungsanstalt für Landwirtschaft, Switzerland)		
II	TC-P-03 : Potential for biogas production from anaerobic fermentation of vinasse in Iran <u>Arezou, M.</u> (Institute of Technical and Vocational Higher Education, Iran)		
III	TA-P-05 : Agronomic assessment of the fertilizing capacity of agroindustrial waste composts in Chimborazo province (Ecuador) Gavilanes-Terán, I., Jara-Samaniego, J., Bustamante, M.A., Pérez-Murcia, M.D., Pérez-Espinosa, A., Moral, R., <u>Paredes, C.</u> (Miguel Hernández University, Spain)		
IV	TA-P-16 : Solubility of Copper and Zinc and particle size fractionation in compost made from the solid fraction of pig slurry Saéz, J.A., Clemente, R., <u>Bernal, M.P.</u> (CEBAS-CSIC, Spain)		
V	TE-P-01 : Agriculture as a mean of sustainable resettlements- A proposal of symbiotic agricultural and micro-economic projects for internal displaced persons (IDPs) in Darfur, Sudan. Adam, W., Alneel, M. (UNESCO-IHE, The Netherlands)		
VI	TA-P-02 : Optimal placement of pelleted organic fertilizer in spring oat <u>Delin, S.</u> , Engström, L., Lundkvist, A. (Swedish University of Agricultural Sciences, Sweden)		
VII	TC-P-01 : In-house distribution of ammonia and green-house gas concentrations in a laying hen facility Alberdi, O., Arriaga, H., <u>Estellés, F.</u> , Calvet, S., Merino, P. (University of Valencia, Spain)		
VIII	TA-P-20 : Impact of pollutants from animal farms on quality of potable water <u>Venglovsky, J.</u> , Sasáková, N., Papajová, I., Gregová, G., Hromada, R., Chvojka, J., Košco, J., Kormošová, L. (University of Veterinary Medicine, Slovak Republic)		
IX	TC-P-02 : The effect of slurry composition on methane and ammonia emissions from fattening pig slurry: a review of three nutrition assays Antezana, W., <u>Estellés, F.</u> , Cerisuelo, A., Ferrer, P., Beccaccia, A., Garcia-Rebollar, P., de Blas, Calvet, S. (University of Valencia, Spain)		
X	TA-P-04 : Effect of fertilizer source on honey bees number in black cumin plant <u>Fallah, H.</u> , Rostaei, M. (Shahrekord University, Iran)		
XI	TD-P-03: Process simulation of biological degradation processes in waste management Deipser, A., <u>Körner, I.</u> (Hamburg University of Technology, Germany)		

Tue. 08/09/15

Building N - Room 0007

Parallel session 2

12:15 - 12:20

Refreshment break

12:20 - 13:00

Poster lightning presentations (2 min)
The Bioresource Challenge (TD) and more

Chair: Dabert, P.

TA

TC

TE

I

TA-P-03 : Reuse potential of urine as a source of plant micronutrientsFactura, H., Bettendorf, T., Buzie, C., Otterpohl, R. (Hamburg University of Technology, Germany)

II

TD-P-07 : Nutrients removal capacity of the green microalgae isolated from wastewater treatment plant in HamburgSoroosh, H., Duan, S., Hugel, S. (Hamburg University of Technology, Germany)

III

TC-P-15 : Animal feeding strategies to abate nitrous oxid and ammonia emission from surface applied slurry to a grassland soilSanz-Cobena, A., Beccaccia, A., Snchez-Martin, L., de Blas, C., García, P. G., Estellés, F., Andreu, G., Marsden, A., Chadwicl, D.R., Vallejo, A. (Technical University of Madrid, Spain)

IV

TD-P-05: Multi-composting as a tool to produce compost from olive mill waste as a substitute for growing strawberries in United KingdomMortimer, N.; Flechter, L.; Velis, C. (University of Leeds, United Kingdom)

V

TA-P-19 : Improvement of soil nitrogens mineralization modeling with a better consideration of organic restitutionsTrochard, R., Bouthier, A., Cohan, J. P. (ARVALIS-Institut du vgta l, France)

VI

TC-P-16 : Ammonia emissions following crop-based and manure-based digestate applied to maize, with or without a nitrification inhibitorSmith, K.E., Rollet A.J., Taylor, M.J., Bowden, A., Bennett, G., Williams, J.R. (ADAS, United Kingdom)

VII

TD-P-06 : Wastewater treatment plant of the future - Energy storage in interaction with technical infrastructure between the poles of energy generation and consumption ("ESiTI")Schaum, C., Lutze, R., Ruhl, J., Cornel, P., Seier, M., Schebek, L., (Technische Universitt Darmstadt, Germany)

VIII

TE-P-06 : Biosolid recycling in agriculture- A case study: Cairo sludge disposal studyLateef, E., Hall, J., Smith, S. (National Research Center, Egypt)

IX

TA-P-18 : Phosphorus recovery prior to land application of biosolids using the "Quick wash" process developed by USDASzogi, A. A., Vanotti, M. B. (USDA / ARS, United States of America)

X

TA-P-01 : Apparent nitrogen recovery in Italian ryegrass (*Lolium perenne*, L.) from the solid fraction of two digestatesCavalli, D., Geromel, G., Bechini, L., Corti, M., Marino, P. (Universit degli Studi di Milano, Italy)

XI

TD-P-04 : Biogas and fertilizer from lawn silage and lawn silage juiceHertel, S., Nadal, J., Krner, I. (Hamburg University of Technology, Germany)

Tue. 08/09/15

Building N - Room 0009

Parallel session 3

12:15 - 12:20

Refreshment break

12:20 - 13:00

Poster lightning presentations (2 min)

Sustainable Soils (TB) and more

Chair: Bernal, P.

TA

TC

TD

TE

I

TB-P-01 : Fast estimation of the labile carbon fraction of organic waste products by FTIR photoacoustic spectroscopyBeklaris, G., Bruun, S., Peltre, C., Huout, S., Jensen, J.S. (University of Copenhagen, Denmark)

II

TE-P-04 : Unemployed young people and periurban agriculture- Case of MadridCruz, J.L., Llorente, M.G., Castellanos, E., Castellanos, M., Soriano, I., Garcia, M., Benito, A. (IMIDRA)

III

TA-P-13 : Phosphorus availability in the tropical soils of Reunion - Comparison of various methodsNobile, C., Bravin, M.N., Ravelet, M., Légier, P., Tillard, E., Becquer, T., Paillat, J.-M. (CIRAD AMIS, France)

IV

TA-P-14 : Utilization of precipitated phosphorous in plant productionRiihimäki, M.-A., Pölönen, I., Wiirilä, S., Salminen, T. (Häme University of Applied Sciences, Finland)

V

TB-P-05 : Manure-derived biochars behave also as fertilizerSubedi, R., Taupe, N., Ikoyi, I., Bertova, L., Zavattaro, L., Schmalenberger, A., Leahy, J.J., Grignani, C. (University of Turin, Italy)

VI

TC-P-08: Soil manure and its liquid fraction - Quantities and nutrient contents derived from balancing modelsHorlacher, D., Rutzmoser, K., Schultheiß, U. (KTBL, Germany)

VII

TB-P-04 : Use of Phoenix dactylifera pruning biomass for the development of more fibrous and recalcitrant compostsPérez-Murcia, M.D., Moral, R., Camiletti, J., Aguiló, E., Bustamante, M.A., López, M., Pérez-Espinosa, A., Paredes, C. (Miguel Hernández University, Spain)

VIII

TC-P-07 : OptiBarn - Optimised animal specific barn climatisation facing temperature rise and increased climate variabilityHempel, S., Amon, B., Ammon, C., Hoffmann, G., Berg, W., Menz, C., Zhang, G., Halachmi, I., del Prado, A., Estelles, F., Brunsch, R., Amon, T. (Leibniz-Institut für Agrartechnik Potsdam-Bornim e.V., Germany)

IX

TA-P-07 : WAVALUE - A new process to produce commercial fertilizers from digestate generated at biogas plantsLekuona, A., Hart, O., Cenoz, S., Brekermans, J., Pinto, M. (Neiker Tecnalia, Spain)

X

TE-P-03 : Systemic approach applied to a Mexican rural area, in order to improve the quality of life and economic well-being of peopleBicocca, M., Barbero, S. (Politecnico di Torino, Italy)

XI

TD-P-02 : High-tech water and nutrient recycling - The blackwater-loopDeegener, S., Otterpohl, R., Behrendt, J., Braun, U. (Hamburg University of Technology, Germany)

Tue. 08/09/15	Building I - Mensa
13:00 - 14:00	Lunch break

14:00 - 15:00	Building I - Foyer
	Poster session

	Building K - Lecture Hall	Building N - Room 0007	Building N - Room 0009
15:00 - 16:05	Topic A: Quality Fertilizers from Residues Chair: Amon, B.	Topic C: Advances in Emission Prevention Chair: Thorman, R.	Topic E: Sustainable Regions Chair: Candra Dewi, O.
15:00 - 15:20	TA-K-02: Organic residue management options in a Chinese peri-urban region with intensive animal husbandry and high nutrient loads <u>Roelcke, M.</u> , Heimann, L., Hou, Y., Ma, W.Q., Luo, Y.M., Li, G.X., Liu, X.J., Schuchardt, F., Nieder, R., Zhang, F.S. (Braunschweig University of Technology, Germany)	TC-K: Predicting ammonia loss from field-applied manure - The ALFAM2 project Hafner, S.D., Pedersen, S.V., Sommer, S.G., <u>Pacholski, A.</u> (University of Southern Denmark, Denmark)	TE-K : New paradigms on how to achieve zero food waste in future cities: optimising food use by waste reduction and valorisation <u>Redlingshöfer, B.</u> , Guilbert, S., Fuentes, C., Gracieux, M. (French National Institute for Agricultural Research (INRA), France)
15:20 - 15:35	TA-O-04 : Strategies to utilization of animal manure in China - A review Chen, Q., Yan, Z., <u>Shan, N.</u> , Chadwick, D. (China Agricultural University, China)	TC-O-01 : Ammonia emission after slurry application to grassland <u>Häni, C.</u> , Sintermann, J., Kupper, T., Neftel, A. (Bern University of Applied Sciences, Switzerland)	TE-O-01 : Appropriateness and potential of large-scale composting initiatives in developing and transitional municipalities <u>Szántó, G.L.</u> , Veeken, A.H.M., Li, W. (Szancore, The Netherlands)
15:35 - 15:50	TA-O-05 : Effects of pig slurry acidification, separation techniques and pyrolysis on nitrogen and carbon mineralization and nitrous oxide emissions after application to soil <u>Gómez-Muñoz, B.</u> , Magid, J., Case, S., Jensen, L. S. (University of Copenhagen, Denmark)	TC-O-02 : The importance of pH for ammonia emission from animal manure <u>Sommer, S.G.</u> , Hafner, S.D. (University of Southern Denmark, Denmark)	TE-O-02 : Farmers attitudes and potential barriers to the use of new organic fertilizers <u>Case, S.D.C.</u> , Oelofse, M., Oenema, O., Hou, Y., Jensen, L.S. (University of Copenhagen, Denmark)
15:50 - 16:05	TA-O-06 : Band application of acidified slurry as an alternative to slurry injection - An integrated evaluation <u>Fangueiro, D.</u> , Surgy, S., Abreu, F., Cameira, R., Fraga, I., Vasconcelos, E., Coutinho, J. (Universidade de Lisboa, Portugal)	TC-O-03 : Impact of field acidification and application methods on ammonia emissions, yield and nitrogen efficiency of organic liquid manures <u>Wagner, C.</u> , Hafner, S., Nyord, T., Pacholski, A. (Leuphana University of Lüneburg, Germany)	TE-O-03 : Management of wetland areas - Tradition and innovation for sustainable land use and network between rural and urban areas <u>Mayer, R.</u> , Plank, C., Hohegger, K. (Höhere Bundeslehr- und Forschungsanstalt für Landwirtschaft Raumberg-Gumpenstein, Austria)

Tue. 08/09/15

Building N - Forum & Building K - Foyer

16:05 - 16:45

Coffee break & Exhibition

Building K - Lecture Hall

Building N - Room 0007

Building N - Room 0009

16:45 - 18:00	Topic A: Quality Fertilizers from Residues Chair: Delin, S.	Topic C: Advances in Emission Prevention Chair: Sanz, A.	Topic D : The Bioresource Challenge Chair: Zeng, A.-P.
16:45 - 17:00	TA-O-07 : The recycling potential of phosphorus in Norwegian waste products in a system's context <u>Brod, E.</u> , Hamilton, H., Hanserud, O., Haraldsen, T.K., Müller, D. (Norwegian University of Life Sciences, Norway)	TC-O-04 : Emission situation of anaerobic digestion of agricultural residues and biowaste <u>Daniel-Gromke, J.</u> , Reinelt, T., Liebetau, J. (Deutsches BiomasseForschungsZentrum gGmbH, DBFZ, Germany)	TD-O-04 : Bioresource utilization as a challenge of co-ordination <u>Arentsen, M.J.</u> (University of Twente, The Netherlands)
17:00 - 17:15	TA-O-08 : Nitrogen recovery from digested slurry with simplified ammonia stripping technique <u>Provolo, G.</u> , Finzi, A., Perazzolo, F., Mattachini, G., Naldi, E., Riva, E. (Università degli Studi di Milano, Italy)	TC-O-05 : Abatement of ammonia emissions from digested manure using gas-permeable membranes Garcia, M.C., <u>Vanotti, M.B.</u> , Szogi, A.A. (USDA / ARS, United States of America)	TD-O-05 : Residual grass - an overlooked bioresource - Environmental consequences of various conversion pathways <u>Hamelin, L.</u> , Muica, V.T. (University of Southern Denmark, Denmark)
17:15 - 17:30	TA-O-09 : Struvite recovery from methanogenic landfill leachate by chemical precipitation <u>Ramaswami, S.</u> , Selabi, S.D., Behrendt, J., Otterpohl, R. (Hamburg University of Technology, Germany)	TC-O-06 : Reduction of ammonia emissions and related greenhouse gas fluxes from separated anaerobic digestates <u>Pacholski, A.</u> (Leuphana University of Lüneburg, Germany)	TD-O-06 : Influence of food waste characteristics on treatability through anaerobic digestion <u>Fisgativa, H.</u> , Tremier, A. (IRSTEA, France)
17:30 - 17:45	TA-O-10 : Combination of biochar and clinoptilolite for nutrient recovery from liquid fraction of digestate Kocaturk, N.P., Bruun, S., Zwart, K., Brussaard, L., <u>Jensen, L.S.</u> (University of Copenhagen, Denmark)	TC-O-07 : Model-based quantification of indirect nitrous oxid emissions in a crop rotation with biogas digestate-fertilized OSR <u>Räbiger, T.</u> , Böttcher, U., Kage, H. (Christian-Albrechts-Universität zu Kiel, Germany)	TD-O-07 : Design of microalgae process for nutrient extraction from digestate through laboratory tests and <u>Marcilhac, C.</u> , Sialve, B., Pourcher, A.M., Ziebal, C., Bernet, N., Béline, F. (Irstea, France)
17:45 - 18:00	TA-O-11 : Wood ashes- A new fertilizer for agriculture <u>Sinaj, S.</u> , Maltas, A., Kebli, H., Turpault, M.P. (Agroscope Institute for Plant Production Sciences, Switzerland)	TC-O-08: Controlled drum composting with limited climate impact – Emissions and heat recovery <u>Rodhe, L.</u> , Niklasson, F., Oostra, H., Gervind, P., Ascue, J., Tersmeden, M., Ringmar, A. (Swedish Institute of Agricultural and Environmental Engineering, Sweden)	TD-O-08 : Ecological evaluation of biogas from cover crops with the Sustainable Process Index (SPI) <u>Maier, S.</u> , Shahzad, K., Szerencsits, M. (Graz University of Technology, Austria)

Wed. 09/09/15	Building K - Lecture Hall	Building N - Room 0007	Building N - Room 0009
09:00 - 10:30	Topic C: Advances in Emission Prevention Chair: Kupper, T.	Topic D: The Bioresource Challenge Chair: Arentsen, M.	Topic E: Sustainable Regions Chair: Misselbrook, T.
09:00 - 09:15	TC-O-09 : Emission patterns of separated digestate obtained from field pilot-scale stores <u>Perazzolo, F., Mattachini, G., Finzi, A., Riva, E., Tambone, F., Provolo, G.</u> (Università degli Studi di Milano, Italy)	TD-O-09 : Needs for production of grain protein crops in Europe and possibilities for more bio-based green economy including nitrogen use <u>Bavec, F., Bavec, S., Grobelnik, S., Jakop, M., Robacer, M., Rozman, C., Bavec, M.</u> (University of Maribor, Slovenia)	TE-O-04 : Practical experiences in Flanders towards a rural-urban sustainable biomass policy <u>Braekevelt, A.</u> (Public Waste Agency of Flanders, Belgium)
09:15 - 09:30	TC-O-10 : Reduction of gaseous emission from pig slurry storage tanks by different covering materials <u>Dinuccio, E., Balsari, P., Gioelli, F.</u> (University of Turin, Italy)	TD-O-10 : Effect of source segregation and conventional separation of pig excreta on biogas yield of solids <u>Vu, P.T., Melse, R.W., Zeeman, G., Groot Koerkamp, P.W.G.</u> (Wageningen University, The Netherlands)	TE-O-05 : Integration of sanitation infrastructure with agriculture in peri-urban communities of South Africa <u>Musazura, W., Pietruschka, B., Odindo, A.O., Buckley, C.</u> (University of KwaZulu-Natal, South Africa)
09:30 - 09:45	TC-O-11 : Influence of surface processes on gaseous emissions from manure slurry - Surface oxidation and pH gradient <u>Feilberg, A., Bildsoe, P., Adamsen, A.P.S.</u> (Aarhus University, Denmark)	TD-O-11 : Biogas production from large-scale retail trade wastes- Preliminary assessments related to Piedmont reality <u>Balsari, P., Cuk, D., Menardo, S., Dinuccio, E., Gioelli, F.</u> (University of Turin, Italy)	TE-O-06 : Planning the sustainable use of agricultural bioresources as fuel for city busses - Example case Turku, Finland <u>Rasi, S., Lehtonen, E., Kässi, P., Seppälä, A.</u> (Natural Resources Institute Finland, Finland)
09:45 - 10:00	TC-O-12 : Bio-acidification of manure – By supplying manure with 2-3% sugar or cellulose <u>Hjorth, M., Fernandez, M.S., Jayaram, S., Sørensen, J.A., Adamsen, A.P.S.</u> (Aarhus University, Denmark)	TD-O-12 : New tool for improving management of biogas digesters: A heat transfer- and biogas production model for anaerobic digestion <u>Pedersen, S.V., Marti-Herrero, J., Sommer, S.G., Hafner, S.D.</u> (University of Southern Denmark, Denmark)	TE-O-07 : SMART-3S and CST system for zero waste low-rise and high-rise urban settlement- A concept <u>Candra-Dewi, O., Al-Rasyid, H. H.</u> (BNN-Indonesia, Indonesia)
10:00 - 10:15	TC-O-13 : Proposal of a composting model to predict and manage gaseous emissions and quality of compost <u>Denes, J., Menasseri, S., Gasco, S., Tremier, A.</u> (IRSTEA, France)	TD-O-13 : A Flemish case study of possible synergies between high quality green compost and green energy <u>Boogaerts, C., Vandecasteele, B., Vandebroek, K.</u> (VLACO npo, Belgium)	TE-O-08 : Scenarios for a low carbon society: Agricultural waste <u>Erangu Purath Mohankumar Sajeev, A., Winiwarter, B.W.</u> (Karl-Franzens-Universität Graz, Austria)
10:15 - 10:30	TC-O-14 : Gaseous emissions from slurry storage- Influence of temperature and potential mitigation methods <u>Misselbrook, T., Perazzolo, F., Hunt, J.</u> (Rothamsted Research, United Kingdom)	TD-O-14 : Environmental infrastructural investments in peri-urban areas- How to overcome nimbyism in case of waste to energy biogas plants <u>Oniszk-Popławska, A., Rolewicz-Kalińska, A., Wesolowska, J., Ryńska, E.D.</u> (Politechnika Warszawska, Poland)	TE-O-09 : Urban farming to grow a greener future - Project example in Indonesia supported by nitrogen neutrality ambitions of RAMIRAN In abstract book: <u>Cordovil, C. M.-d.-S.</u> , Presentation: <u>Candra-Dewi, O.</u> (BEST, Indonesia)

Wed. 09/09/15

Building N - Forum & Building K - Foyer

10:30 - 11:00

Coffee break & Exhibition

	<i>Building K - Lecture Hall</i>	<i>Building N - Room 0007</i>	<i>Building N - Room 0009</i>
<i>11:00 - 12:30</i>	Topic A: Quality Fertilizers from Residues Chair: Menzi, H.	Topic E: Sustainable Regions Chair: Wendland, C.	Topic D: The Bioresource Challenge Chair: Tremier, A.
11:00 - 11:15	TA-O-12 : The influence of raw materials and storage time in composts maturity Henriques, R., Brás, I., <u>Silva, M.E.</u> (Escola Superior de Tecnologia e Gestão de Viseu, Portugal)	TE-O-10 : Waste recycling through integrated farming system - An Assam agriculture experience <u>Baishya, A.</u> , Borah, M., Gogoi, B., Hazarika, J., Bora, A., Rajbonshi, A., Deori, P. (Assam Agricultural Uni., India)	TD-O-15 : Ensiling as pretreatment to improve the anaerobic biodegradability of catch crops <u>Riau, V.</u> , Burgos, L., Camps, F., Anton, A., Bonmati, A. (IRTA-GIROUnidad Mixta IRTA-UPC, Spain)
11:15 - 11:30	TA-O-13 : Reduction of ammonia emissions by acidification and injection of cattle slurry applied to perennial grassland <u>Seidel, A.</u> , Pachloski, A., Nyord, T., Kage, H. (Kiel University, Germany)	TE-O-11 : Analyzing consumer-related nitrogen flows - A case study on food and material use in Austria <u>Pierer, M.</u> , Schröck, A., Winiwarter W. (Karl-Franzens-Universität Graz, Austria)	TD-O-16 : Anaerobic co-digestion of pig manure and organic waste materials as affected by different hydraulic retention time <u>Vazifehkhoran, A.H.</u> , Triolo, J.M. (University of Southern Denmark, Denmark)
11:30 - 11:45	TA-O-14 : Drying of separated manure digestate solids - Effects of acidification, temperature and ventilation on nitrogen loss <u>Pantelopoulou, A.</u> , Magid, J., Jensen, L.S. (University of Copenhagen, Denmark)	TE-O-12 : Food and phosphorus security - Bridging the global local and the rural-urban gaps <u>Drangert, J.-O.</u> (Vatema AB, Sweden)	TD-O-17 : Promoting pig slurry low-cost methanization by understanding the microbiology of anaerobic digestion at low <u>Dabert, P.</u> , Morizur, J., Jaziri, K., Lendormi, T., Buffet, J., Le Roux, S., Barrington, S., Béline, F. (IRSTEA, France)
11:45 - 12:00	TA-O-15 : Thermal drying does not increase nitrogen release from an anaerobically-digested biosolid <u>Case, S.D.C.</u> , Gomez-Muñoz, B., Magid, J., Jensen, L.S. (University of Copenhagen, Denmark)	TE-O-13 : Encouraging local organic cycles in urban Europe with a collaborative tool <u>Meyer-Kohlstock, D.</u> (Bauhaus-University Weimar, Germany)	TD-O-18 : Interstage treatment for increasing methane production from recalcitrant biomass <u>Rennuit, C.</u> , Hafner, S.D. (University of Southern Denmark, Denmark)
12:00 - 12:15	TA-O-16 : Improving product quality and limiting nutrient losses of solid fraction of cattle slurry by composting and ensiling <u>Viaene, J.</u> , Nelissen, V., Vandecasteele, B., Willekens, K., De Neve, S., Reubens, B. (ILVO, Belgium)	TE-O-14 : Software tool for a global evaluation of different manure management systems focused on specifics scenarios - MANEV tool <u>Herrero, E.</u> , Teresa, M., Bescos, B., López, M. (Sociedad Aragonesa de Gestión Agroambiental, Spain)	TD-O-19 : Quality fertilizer for apple and vine growing from dry anaerobic digestion of biowaste Bona, D., Grandi, L., Cristoforetti, A., Zorzi, M., <u>Silvestri, S.</u> (Fondazione Edmund Mach, Italy)
12:15 - 12:30	TA-O-17 : Scaling up pig slurry composting from laboratory to farm <u>Bernal, M.P.</u> , Santos, A., Saéz, J.A., Clemente, R. (CEBAS-CSIC, Spain)	TE-O-15 : Availability and use of urban areas green cuttings for methane production through anaerobic digestion <u>Balsari, P.</u> , Cuk, D., Menardo, S., Dinuccio, E., Gioelli, F. (University of Turin, Italy)	TD-O-20 : Biogas for the future - Trade-offs between economy and climate Houge-Hansen, J., Hansen, P.M.S., <u>Hamelin, L.</u> , Wenzel, H. (University of Southern Denmark, Denmark)

Wed. 09/09/15	Building K - Lecture Hall				Parallel session 1
12:30 - 12:35	Refreshment break				
12:35 - 13:15	Poster lightning presentations (2 min)				
	Quality Fertilizers from residues (TA) and more				
	Chair: Menzi, H.				
	TB	TC		TD	TE
I	<p>TA-P-12 : Changes to the nutrient contents of pig and poultry manures in England and Wales Nicholson, F., Misselbrook, T. Hunt, J. <u>Williams, J.R.</u> (ADAS, United Kingdom)</p>				
II	<p>TC-P-04 : Flux chamber measurements of ammonia emission from organic beddings in bedded pack dairy barns <u>van Dooren, H.J.C.</u>, Galama, P.J., Blanken, K., Szanto, G. (Wageningen UR Livestock Research, The Netherlands)</p>				
III	<p>TA-P-08 : Effects of thermal drying on phosphorus availability from sewage sludge <u>Lemming, C.</u>, Bruun, S., Jensen, L.S., Magid, J. (University of Copenhagen, Denmark)</p>				
IV	<p>TC-P-05 : Impact of cattle-slurry treatment by separation and acidification on gaseous emissions after soil application <u>Fangueiro, D.</u>, Pereira, J., Bichana, A., Surgy, S., Cabral, F., Coutinho, J. (Universidade de Lisboa, Portugal)</p>				
V	<p>TA-P-10 : Evaluation of distillery organic waste compost efficiency on vineyard soil properties and grape quality Marin-Martinez, A., Moral, R., Bustamante, M.A., Pérez-Murcia, M.D., Pérez-Espinosa, A., Agulió, E., <u>Paredes, C.</u> (Miguel Hernández University, Spain)</p>				
VI	<p>TB-P-02 : Soil amendment using fresh and stabilised organic materials: Effects during a wheat-maize cropping sequence <u>Bustamante, M.A.</u>, Pérez-Murcia, M.D., Sanz-Cobeña, A., Pérez-Espinosa, A., Paredes, C., Moral, R. (Miguel Hernández University, Spain)</p>				
VII	<p>TA-P-09 : Recycling vegetable waste, sewage sludge, wood ash and sawdust by composting <u>Manciulea, I.</u>, Dumitrescu, L., Bogatu, C., Duță, A. (University Transilvania, Romania)</p>				
VIII	<p>TC-P-06: Greenhouse gas emissions and crop yields under different organic fertilizers and irrigation treatments in a Mediterranean maize field <u>Guardia, G.</u>, Sanz-Cobena, A., Cangani, M.T., Andreu, G., Vellejo, A. (Technical University of Madrid, Spain)</p>				
IX	<p>TA-P-06 : The influence of anaerobic digestion on the concentration of antibiotics, heavy metals and on phosphorus-solubility of digestates <u>Lehmann, L.</u>, Bloem, E., Schick, J., Haneklaus, S. Schung, E. (Julius Kühn Institut, Germany)</p>				
X	<p>TD-P-01 : Environmental assessment of the agronomical recovery of post-treatment digestates Déchaux, C., <u>Termier, A.</u>, Aissani, L. (IRSTEA, France)</p>				
XI	<p>TE-P-02 : Sustainable urban-rural proporsal in Malinalco, Mexico- Case study <u>Arias, E.</u>, Mier y Terán, A. Flores, I.P. (Mexican Institute of Appropriate Technology, IMETA, Mexico)</p>				

Wed. 09/09/15	Building N - Room 0007				Parallel session 2
12:30 - 12:35	Refreshment break				
12:35 - 13:15	Poster lightning presentations (2 min) Sustainable Regions (TE) and more Chair: Wendland, C.				
	TA		TB	TC	TD
I	TE-P-08 : The effect of long term storage of dog's excrements with "Enviro" lime on the survival of helminth eggs Papajova, I., Pipiková, J., Juriš, P., Venglovsky, J., Sasáková, N. (University of Veterinary Medicine, Slovak Republic)				
II	TD-P-08 : LIFE + MANEV - Evaluation of manure management systems and treatment technologies in Europe Teresa, M., Herrero, E., Bescos, B., López, M. (Sociedad Aragonesa de Gestión Agroambiental, Spain)				
III	TC-P-17 : Limiting nutrient losses and improving product quality during storage of cattle manure by composting and ensiling Viaene, J., Nelissen, V., Vandecasteele, B., Willekens, K., S. De Neve, Reubens, B. (ILVO, Belgium)				
IV	TE-P-07 : Methodology for geo-based bioresource inventory shown on a case study of a town of Beočin, Serbia Lazić, D., Körner, I. (Hamburg University of Technology, Germany)				
V	TA-P-21 : Vegetable crop residues as feedstock for composting and silage - Production cost and product quality Willekens, K., Viaene, J., Nelissen, V. Reubens, B., De Neve, S., Vandecasteele, B. (ILVO, Belgium)				
VI	TE-P-10 : Changes in farming production strategies with wastewater in Sacaba Valley, Bolivia Perez-Mercado, L., Delgadillo, O. (Bolivia)				
VII	TA-P-22 : Bioavailability of phosphorous in thermally treated sewage sludges and pig manure Ylivainio, K., Jermakka, J., Rasa, K., Turtola, E. (Natural Resources Institute Finland, Finland)				
VIII	TE-P-09 : Integrated management of water resources with an innovative aquaponic system under greenhouse conditions in Spain Pardo, E., Martínez-Gaitán, C., Martín, G., Valle, A., López, G. (Fundación para las Tecnologías Auxiliares de la Agricultura, Spain)				
IX	TB-P-06 : The impact of rock mineral wool on water retention in a conventional growth medium, and development of zonal pelargoniums Šušek, A., Majkovic, D., Muršec, M. (University of Maribor, Slovenia)				
X	TE-P-11: The water-energy-food-nexus and international trade Australias water trade offs through energy and virtual water exports Schaldach, R. (Hamburg University of Technology, Germany)				

Wed. 09/09/15

Building N - Room 0009

Parallel session 3

12:30 - 12:35

Refreshment break

12:35 - 13:15

Poster lightning presentations (2 min)
Advances in Emission Prevention (TC) and more
 Chair: Tremier, A.

TA

TB

TE

I

TE-P-05: Ecological restoration approaches for degraded forests in landscape scale - Functional roles of corridorsKhazaei, N., Zahedi, A., Otterpohl R. (Hamburg University of Technology, Germany)

II

TC-P-10 : Identification of odorous compounds in air following land spreading of animal slurryLiu, D., Nyord, T. (Aarhus University, Denmark)

III

TE-P-12 : Volunteers to translate waste prevention policy to citizens?Van Stichelen, K., Anthonissen, E., Boogaerts, C., Vandenbroek, K. (VLACO npo, Belgium)

IV

TC-P-11 : A French inventory of solid manure (cattle, pig, poultry) stored in temporary field heapsLoyon, L. (IRSTEA, France)

V

TA-P-17 : Risk arising from disposal of animal wastes to soilSasáková, N., Venglovský, J., Papajová, I., Gregová, G., Cornejová, T., Kachnic, J., Ondrašovic, M., Vavgová, M. (University of Veterinary Medicine, Slovak Republic)

VI

TC-P-14 : Evaluation of reduction effect by different kind of soil injection in bare soilNyord, T., Vestergaard, A.V., Birkmose, T.S. (Aarhus University, Denmark)

VII

TA-P-15 : Acidification of cattle slurry – Effect on ammonia emissions and dry matter yield after spreading non-digested and digested slurry on grasslandRodhe, L., Delin, S., Oostra, H., Gustafsson, K. (Swedish Institute of Agricultural and Environmental Engineering, Sweden)

VIII

TC-P-12 : Environmental benefits of amending cow slurry with the nitrification inhibitor dicyandiamideMinet, E.P., Jahangir, D.J., Krol, N., Rochford, N., Forrestal, O., Fenton, D., Rooney, A.D., Lanigan, K.G., Richards, K.G. (Teagsac, Ireland)

IX

TB-P-03 : Effect of repeated soil application of organic waste amendments on draught force and fuel consumption for soil tillagePeltre, C., Nyord, T., Bruun, S., Jensen, L.S., Magid, J. (University of Copenhagen, Denmark)

X

TC-P-09 : Use of a feed additive based on biochar for mitigation of ammonia emissions from weaned pig-lets and broilersKupper, T., Fischlin, I., Häni, C., Spring, P. (Bern University of Applied Sciences, Switzerland)

XI

TC-P-13 : Can earthworms reduce greenhouse gas emissions from composting of urban waste?Nigatu, A., Brunn, S., Kuyper T., Brussard, L., de Neergaard, A. (University of Copenhagen, Denmark)

Wed. 09/09/15

Mensa

13:15 - 14:15

Lunch break

Building I - Foyer

14:15 - 15:15

Poster session

Building K - Lecture Hall

Building N - Room 0007

Building N - Room 0009

15:15-16:15

Topic A : Quality Fertilizers from Residues

Topic C: Advances in Emission Prevention

Topic B : Sustainable Soils

Chair: Houot, S.

Chair: Sommer, S.

Chair: Balsari, P.

15:15 - 15:30

TA-O-18 : The influence of feeding on excreta characteristics of dairy cows

Bracher, A., Menzi, H.
(Agroscope - Institute for Livestock Sciences, Switzerland)

TC-O-15 : Ammonia emissions factor modelling of naturally ventilated dairy housings using on-farm measurements, climate data and nitrogen levels

Schrade, S., Zeyer, K., Emmenegger L., Keck, M. (Agroscope - Bundesforschungsanstalt für Landwirtschaft, Switzerland)

TB-O-04 : Effect of food waste biochar usage in farmland on carbon sequestration and vegetable growth

Yoshizawa, S., Tanaka, S.
(Meisei University, Japan)

15:30 - 15:45

TA-O-19 : Innovative technique to improve phosphorous recycling yield from wastewater treatment plant (WWTP) sludge by producing high quality fertilizer (struvite)

Braak, E., Auby, S., Daumer, M.-L.
(IRSTEA, France)

TC-O-16 : Assessment of the through-flow patterns in naturally ventilated dairy barns – Three methods, one complex approach

Hempel, S., Wiedemann, L., Ammon, C., Fiedler, M., Saha, C., Löbsin, C., Fischer, J., Berg, W., Brunsch, R., Amon, T. (Leibniz Institut Potsdam, Germany)

TB-O-05 : Simulation of carbon and nitrogen mineralisation after application of ammonium sulphate, pig slurry and maize stalks to agricultural soil

Cavalli, S., Bechini, L., Marino, P.
(Università degli Studi di Milano, Italy)

15:45 - 16:00

TA-O-20 : Phosphorus fertilizer from sewage sludge ashes by thermochemical treatment - Benefits and challenges

Herzel, H., Krüger, O., Adam, C. (BAM Federal Institute for Materials Research and Testing, Germany)

TC-O-17 : Influence of deep litter on gaseous emissions and microbial composition in a dairy farm

Prenafeta-Boldú, F.X., Viñas, M., Noguerol, J., Guivernau, M., Tey, L., Bonmati, A.
(IRTA-GIROUnidad Mixta IRTA-UPC, Spain)

TB-O-06 : Determining the mechanisms of nitrous oxide emission under contrasting soil disturbance levels & organic amendments

Grave, R.A., Mezzari, M.P., da Silva, M.L.B., Cassol, P.C., Nicoloso, R.S.
(Embrapa Swine and Poultry, Brazil)

16:00 - 16:15

TA-O-21 : Innovative bioresource management technologies for recovery of ammonia and phosphorus from livestock and municipal wastes

Vanotti, M.B., Szogi, A.A., Garcia, M.C., Millner, P.D., Dube, P.J., Hunt, P.G. (USDA / ARS, United States of America)

TC-O-18 : Reduction of ammonia emission from broiler houses by use of a heat exchange system

Hansen, M.N.
(AgroTech a/S, Denmark)

TB-O-07 : Evolution of zinc concentration in soil in Pinus radiata D.- Don silvopastoral systems limed and fertilized with sewage sludge

Mosquera-Losada, M.R., Rigueiro-Rodriguez, A., Ferreiro-Dominguez, N.
(Santiago de Compostela University, Spain)

Wed. 09/09/15

Building N - Forum & Building K - Foyer

16:15 - 16:45

Coffee break & Exhibition

Building I - Audimax

16:45 - 18:00

General Thematic Lectures

Chair: Martínez, J.

16:45 - 17:00

G-O-01 : Dealing with future European manure management challenges

Jensen, L.S., Oelofse, M. (University of Copenhagen, Denmark)

17:00 - 17:15

G-O-02 : Marketing of biogas fermentation residues - The providers' perspective

Dahlin, J., Herbes, C., Nelles, M. (University of Rostock, Germany)

17:15 - 17:30

G-O-03: Implementing anaerobic digestion into the German agricultural emission inventory

Wulf, S., Haenel, H.-D., Haeussermann, U., Rösemann, C. (Association for Technology and Structures in Agriculture, KTBL, Germany)

17:30 - 17:45

G-O-04 : Macroalgae as a resource for biobased industry

Schäfers, C., Burkhardt, C., Meyer, N., Wiebusch, S., Schirmacher, G., Reisinger, C., Antranikian, G. (Hamburg University of Technology, Germany)

17:45 - 18:00

G-O-05 : Towards nitrogen neutrality – Assessment of the tool on the example of conferences

Leip, A., Cordovil, C. M.-d.-S., Candra Dewi, O., Körner, I. (European Commission Joint Research Centre, Italy)

Hamburg Harbour - Museum Ship Rickmer Rickmers

Gala Dinner

19:00 - 23:30

With Metro from Harburg-Rathaus (S3 or S31 to Landungsbrücken); 18:18; 18:28; 18:38; 18:48 – ca. 10 min walk, 25 min travel, 7 min walk

Please bring your dinner ticket (and your red or green coupon if you are vegetarian, vegan or allergic)

Dear ladies: Please leave your high heels at home

Last Metro from Landungsbrücken to Harburg-Rathaus (S3); 0:40

Thu. 10/09/15		Building K - Lecture Hall	Building N - Room 0007	Building N - Room 0009
09:00 - 10:30		Topic A : Quality Fertilizers from Residues Chair: Döhler, H.	Topic C: Advances in Emission Prevention Chair: Wulf, S.	Topic E: Sustainable Regions Chair: Vanotti, M.
09:00 - 09:15	TA-O-22: Soil changes and nutrient uptake induced by organic residues Ruiz-Bello, A., Trejo-Téllez, L., Rodriguez-Mendoza, M. N. (Colegio de Postgraduados, Mexico)	TC-O-19 : Greenhouse gas and ammonia emissions from different dairy production systems in Germany Häußermann, U., Vandré, R., Grebe, S., Zehetmeier, M., Döhler, H., Wulf, S. (KTBL, Germany)	TE-O-16 : Addressing the nexus of sanitation and energy towards increased living conditions in rural areas in Kyrgyzstan Wendland, C., Jorritsma, F., Choitonbaeva, A. (WECE, Germany)	
09:15 - 09:30	TA-O-23 : Multi-criteria indexes to evaluate the effects of repeated organic amendment applications on soil quality Obriot, F., Stauffer M., Goubard Y., Revallier, A., Vieublé G., L., Houot, S. (INRA, France)	TC-O-20 : Excretion of volatile solids by livestock to calculate methane production from manure Zom, R.L.G., Groenestein, C.M. (Wageningen UR, The Netherlands)	TE-O-17 : Resources recovery and economic aspects in the application of terra preta sanitation system in Arba Minch, Ethiopia Yemaneh, A., Bulbo, M., Otterpohl, R. (Hamburg University of Technology, Germany)	
09:30 - 09:45	TA-O-24 : Effect of manure-based phosphorus fertilizer and biochar on biomass yield of spring barley and faba bean in comparison to conventional fertilizer Ehmann, A., Lewandowski, I. (University of Hohenheim, Germany)	TC-O-21 : Animal delivery of a nitrification inhibitor via feeds to urine patches Minet, E.P., Richards, K.G., Lanigan, G., Murphy, J.B., Luo, J., Ledgard, S.F. (Teagasc, Ireland)	TE-O-18 : Treatment of deinking sludge from wastepaper recycling by anaerobic digestion Ogun, M.K., Amare, D.E., Badri, A., Körner, I. (Hamburg University of Technology, Germany)	
09:45 - 10:00	TA-O-25: Improving nitrogen fertilization effect from residues in spring and winter cereals Delin, S., Engström, L. (Swedish University of Agricultural Sciences, Sweden)	TC-O-22 : Development of system to reduce ammonia emission and leaching of nitrate from slurry application Toft, M. (BioCover A/S, Denmark)	TE-O-19 : Energy production and resource recovery on sewage plants in Austria Kollmann, R., Kretschmer, F., Neugebauer, G., Truger, B (Technische Universität Graz, Austria)	
10:00 - 10:15	TA-O-26 : Recycled phosphorus fertilizers from urban residues tested in agricultural crop production Wollmann, I., Möller, K. (University of Hohenheim, Germany)	TC-O-23 : Greenhouse gas emissions from temperate paddy fields under different straw and water managements Bertora, C., Peyron, M., Pelissetti, S., Grignani, C., Vidotto, F., Ferrero, A., Celi, L., Said-Pullicino, D., Miniotti, E., Romani, M., Sacco, D. (University of Turin, Italy)	TE-O-20 : Estimation of design values for greywater treatment units Sievers, J. C., Londong, J. (Bauhaus-University Weimar, Germany)	
10:15 - 10:30	TA-O-27 : Sulphur availability from organic materials applied to winter wheat crops E. Sagoo, Smith, K., McGrath, S.P. (ADAS, United Kingdom)	TC-O-24 : Life cycle assessment of a combined manure system optimised for phosphorous utilization Wesnæs, M., Lorie, H., Henrik, W. (University of Southern Denmark, Denmark)	TE-O-21 : Interfacing urban water management and agriculture-Transformation steps towards new alternative sanitation systems Maier, K., Londong, J. (Bauhaus-University Weimar, Germany)	

Thu. 10/09/15	Building N - Forum & Building K - Foyer
10:30 - 11.00	Coffee break & Exhibition

Building I - Audimax	
Plenary Discussion and Closing Session	
Chair: <u>Körner, I.</u>	
11:00 - 11:15	Theatre performance <u>Sustainability Theatre</u> , Freiburg, Germany
11:15 - 12:45	Podium discussion: Rural-Urban Symbiosis - How can we bridge the gap between consumers and producers? Moderation - <u>Schreiber, C.</u> (Agro-Economist, VisionAktion, Hamburg, Germany) <u>Arentsen, M.</u> (Professor, Political science and public administration, University of Twente, The Netherlands) <u>Otterpohl, R.</u> ; (Professor, Environmental engineering, Hamburg University of Technology, Germany) "Farmer Willi" (Farmer, PhD agr., Germany) <u>Gelpke, W.</u> (Project leader and engineer, BUHCK company, Waste collection and utilization company, Hamburg and Tritttau, Germany) <u>Ederhof, M.</u> (Chief executive officer, Energienetz Hamburg e.G., energy corporative, Hamburg, Germany)
12:45 - 12:55	Conference summary and Poster Prize <u>Menzi, H., Misselbrook, T.</u> (RAMIRAN coordinators)
12:55 - 13:00	Closing <u>Körner, I.</u> (Conference Chair)

Start: Street downstairs from Building I	
Two parallel excursions by bus	
13:30-19:00	Excursion A: Biogas-Compost-Tour (BUHCK company, Tritttau, Germany) (<u>Deegener, S.</u> , Hamburg University of Technology, Germany) Excursion B: Agriculture-Tour (Thünen- Institute, Institute of Organic Farming, Trenthorst, Germany) (<u>Westhof, L.</u> , Hamburg University of Technology)

Start: Building I - Foyer (Registration possible until 11:00)	
Art tour through the University	
13:30-15:30	Lead: <u>Stieglitz, J.</u> , Koch, I., Schaldach, R. (Hamburg University of Technology, Germany)

POST CONFERENCE

Building N

Registrations for Post Conference until Thu. 10/09/15, 11:00

Fri. 11/09/15

Building N - Room 0007

Workshop "Animal manure processing"

9:00-10:30

Lead: Döhler, H. (DöhlerAgrar, Germany)

Building N - Room 0009

Workshop "Urban gardening"

9:00-10:30

Lead: Candra Dewi, O. (BEST, Indonesia)

Start: Building N - Foyer

Art tour through the University

10:45-12:30

Lead: Stieglitz, J., Koch, I., Schaldach, R.
(Hamburg University of Technology, Germany)

Start: Building N - Foyer

Institute tour through the University

10:45-12:30

Institute of Wastewater Management and Water Protection

Lead: Westhof, L., Ogun, M.; Ohlrogge, C.

Institute of Bioprocess and Biosystems Engineering

Lead: Wurm, M.

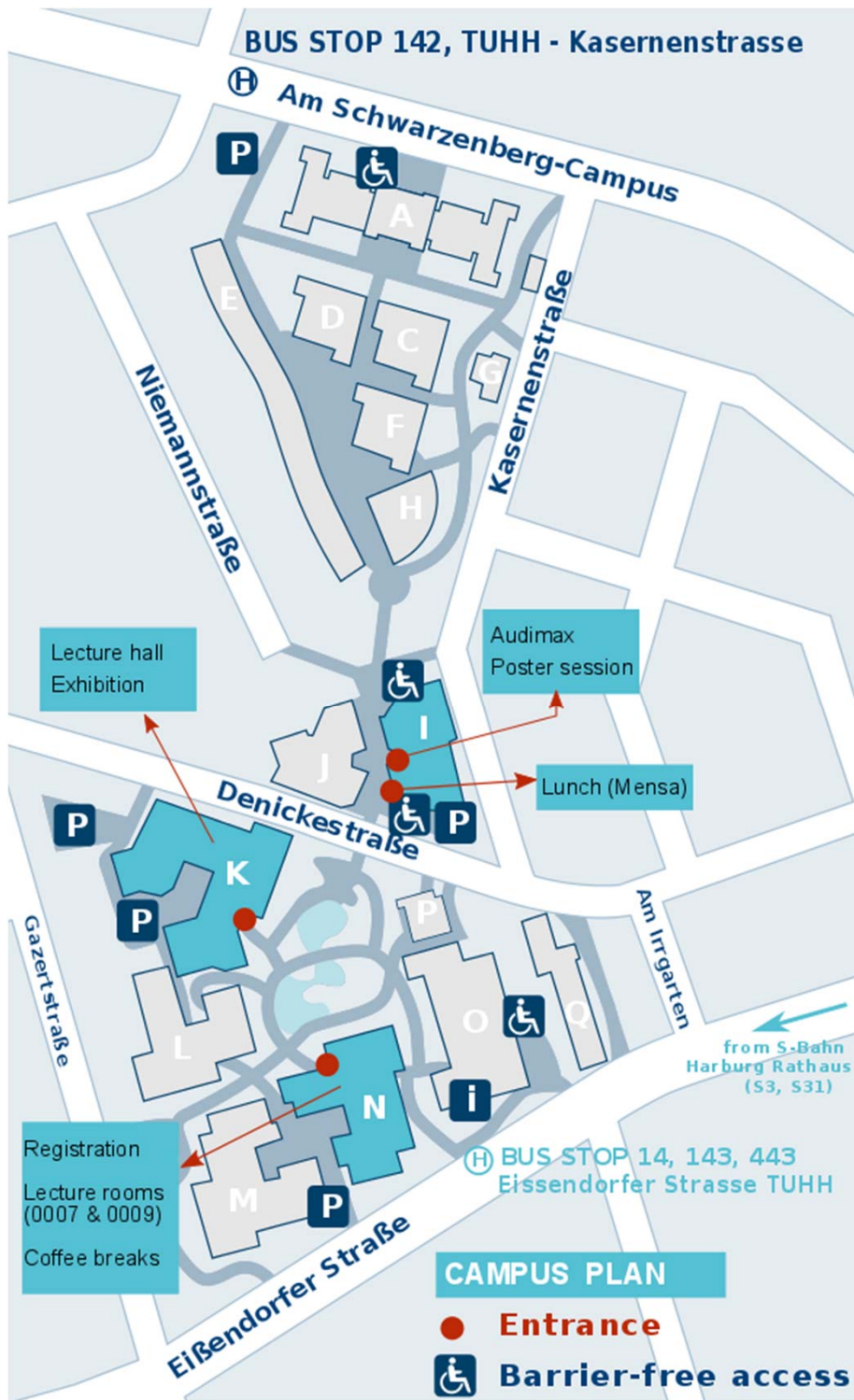
Institute of Technical Microbiology

Lead: Schäfers, C.

(Hamburg University of Technology, Germany)

RAMIRAN 2015

16th International Conference



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