



OPTIMISC - Optimizing Miscanthus Biomass Production
FP7-KBBE-2011-5

Deliverable 5

Presentation of OPTIMISC results at conferences

Work package 8

Karl Müller-Sämman (ANNA, Germany)
Olena Kalinina (UHOH, Germany)

The project conducted within
the European Union's 7th Framework Programme



Table of Contents

Introduction	3
List of the conferences and other dissemination events where OPTIMISC and results from OPTIMISC have been presented	4
Summary of the dissemination activities	21

Introduction

As it was outlined in OPTIMISC's dissemination strategy the main goal of dissemination is to induce the utilization of results and achievements of OPTIMISC project.

An important and first step in this endeavour is the creation of awareness among scientists, miscanthus stakeholders and decision makers on the aims, activities and outcomes of the project and on the potential impact of research results for producers, manufacturers and for the bioeconomy.

In order to reach this goal, OPTIMISC dissemination officer and team members have been very active in establishing links and sharing information with international, national and regional miscanthus networks. During stakeholder meetings, exhibitions and via newsletters stakeholders were informed about the potential benefits of new genotypes and about technical and environmental advantages of miscanthus as a fuel and for industrial applications.

The scientific community was regularly informed about the ongoing work and research results through oral presentations at conferences and symposia, poster presentations and publishing scientific work in peer-reviewed journals.

Shortly after the project start in 2011/2012, it was presented at the 20th European Biomass Conference in Milan, Italy and at the 7th Conference of the International Society for *Miscanthus* and Perennial Energy Grasses in Bonn, Germany. The project was also introduced at an early stage at the exhibitions and conferences in Russia, Belgium, Greece, Poland, the Netherlands and in the United Kingdom.

PhD students from OPTIMISC participated in workshops organised in the UK, in Ireland, the Netherlands, Portugal and China.

Throughout the project duration, scientific conferences were attended by OPTIMISC scientists in Italy, Germany, Russia, Belgium, Greece, Poland, USA, UK, Ireland and Austria.

Oral or poster presentations to miscanthus stakeholders, the wider public and to scientific community were given on more than 30 occasions. At the 8th Int. Conference of the Int. Society for *Miscanthus* and Perennial Energy Grasses in Chartres, France, for example, five oral presentations were given by OPTIMISC team members and two posters were presented.

The joint final project conference on the topic of perennial biomass crops for bioenergy was organised together with several other EU and national projects and held in Stuttgart-Hohenheim, Germany at OPTIMISC coordinators' location in September 2015. A number of publications, a book and a special issue in *Global Change Biology - Bioenergy Journal* have resulted from this event.

The table on the following pages gives an overview on the presentation of OPTIMISC project and OPTIMISC results at conferences and events.

List of the conferences and other dissemination events where OPTIMISC and results from OPTIMISC have been presented

Conference/Event /Activity	Responsible Partner (Main Leader)	Topic	Date	Place
Press release	Hohenheim University, Florian Klebs, Presse- und Öffentlichkeitsarbeit	Grasses as energy source: new Miscanthus breeds in the quality and cost-check.	16.03.2012	Stuttgart, Germany
Exhibitions	Hilde Muylle, Vlaams Gewest (ILVO)	Open Energy day (Open Energie dag)	02.03.2012	Vlaanderen, Belgium
Poster	Iris Lewandowski, University of Hohenheim	OPTIMISC - Optimizing Miscanthus Biomass Production	18.-22. 6.2012	20Th European Biomass Conference and Exhibition 2012, Milano
Article published in popular press	Karl Müller-Sämman	An efficient Grass- optimized Deployment of Biomass is the Goal ("Effektives Gras - Optimale Bereitstellung von Biomasse ist das Ziel")	20.08.2012	Germany
Poster	Nikolai Khokhlov, RSAU	Studies on Bionergetics in RSAU-MTAA	11-14.10.2012	14th Russian Agro-Industrial Exhibition "Golden Autumn - 2012", Moscow, Russia
Exhibitions	Hilde Muylle, Vlaams Gewest (ILVO)	Energy Crops, Alternatives for Green Energy (Energieteelten Alternatieve Teelten Groene energie)	12.10.2012	Zwalm, Belgium
Oral presentation to a wider public	Karl Müller-Sämman	OPTIMISC-Platform for Miscanthus Stakeholders	07.- 09.11-2012	7th International Conference on Miscanthus and Perennial Energy grasses
Oral presentation to a wider public	Iris Lewansdowski and O.Kalinina	Project OPTIMISC — Optimizing Miscanthus Biomass Production	07.- 09.11-2012	7th International Conference on Miscanthus and Perennial Energy grasses



Oral presentation at a scientific event	Ivan Tarakanov, RSAU-MTAA	Physiological properties of Miscanthus, a potential energy crop for temperate climate	4-6.12.2012	All-Russian Scientific Conference with International Participation "Scientific Legacy of N.I. Vavilov and the Present Time", Moscow, Russia
Oral presentation at a scientific event	Nikolai Khokhlov, Ivan Tarakanov, RSAU-MTAA	Multi-location trials with Miscanthus genotypes	4-6.12.2012	see above
Publication	Qingguo Xi et al. Dongying	Miscanthus seed longevity according to sample survival rate in room ambient	01.01.2013	China
Oral presentation at a scientific event	Ivan Tarakanov, N.F. Hohlov, M. Tchizhova, RSAU-MTAA	Miscanthus: Newpromising energy crop for Russia? in: Proceedings from Future of Bio-Energetics: Opportunities of Russian-German Collaboration	26-27.2.2013	Moscow, Russia
Oral presentation at a scientific event	Olena Kalinina, Iris Lewandowski, University of Hohenheim	Optimizing miscanthus biomass production in Europe; Proceedings: Future of Bio-Energetics: Opportunities of Russian-German Collaboration	26-27.2.2013	Russia
Oral presentation to a wider public	Michal Mos, Blankney Estate	Current development in plant biotechnology and breeding in energy grasses.	21-22.03.2013	Biomass Forum - Regulation, processing, logistics, usage.
Exhibitions	Vlaams Gewest (ILVO)	Opportunity Framing Workshop	26.03.2013	Merelbeke, Belgium



Publication	van der Weijde, T., Alvim Kamei, C.L., Torres, A.F., Vermerris, W., Dolstra, O., Visser, R.G.F. & Trindade, L.M. (2013): The potential of C4 grasses for cellulosic biofuel production. Front. Plant Sci. 4:107 Wageningen University	The potential of C4 grasses for cellulosic biofuel production	03.05.2013	Netherlands
Oral presentation at a scientific event	Ivan Tarakanov, Nikolai Khokhlov, Maria Tschizhova, RSAU	Eco-physiological properties of miscanthus, promising crop for bio-economy	16.05.2013	Mordovian State University, Saransk, Russia
Exhibitions	Andreas Kiesel	Open Field day : Miscanthus - neue Genotypen und neue Nutzungsrichtungen	29.05.2013	Ihinger Hof, Germany
Poster	Fonteyne, S., Lootens, P., Muylle, H., Reheul, D., & Roldan-Ruiz, I.	OPTIMISC: Optimizing Miscanthus biomass production- Chilling tolerance	04.06.2013	Antwerp, Belgium, 9th Int. Conf. Ren. Resources and Biorefineries, p. 163.
Press release	Hohenheim University, Florian Klebs, Presse- und Öffentlichkeitsarbeit	Press release: Königin Máxima zu Besuch: Forschungsexpertise macht Universität Hohenheim zur Wunschadresse. Demonstration of OPTIMISC	04.06.2013	Stuttgart , Germany



Oral presentation at a scientific event	Ivan Tarakanov, Nikolai Khokhlov, Maria Tschizhova, RSAU	Comparative physiological studies on miscanthus genotypes within a geographical experiment	05.06.2013	Moscow State University, Moscow, Russia
Oral presentation at a scientific event	Muylle, H., Van Hulle, S., Van Bockstaele, E., & Roldan-Ruiz, I.	Genetic diversity within a miscanthus sinensis collection	06.06.2013	Antwerp, Belgium, 9th Int. Conf. Ren. Resources and Biorefineries, p.54.
Exhibitions	IBERS	Booth at CEREALS 2013	12.06.2013	Lincoln
Exhibitions	Ivan Tarakanov, Nikolai Khokhlov, RSAU	Open Field Day	25.06.2013	RSAU, Moscow, Russia
Poster	Ivan Tarakanov, Nikolai Khokhlov, RSAU	Eco-physiological studies on miscanthus plants in temperate climate of Central Russia	1-4.09.2013	7th EPSO conference, Porto Heli, Greece
Poster	Michal Mos et al. , Blankney Estate	Biological and thermochemical conversion of energy grass Miscanthus	03-06/09/2013	Chicago, USA
Oral presentation at a scientific event	Andreas Kiesel	Miscanthus - neue Genotypen und neue Nutzungsrichtungen	04.-06.09.2013	Weihenstephan, Germany
Oral presentation at a scientific event	Olena Kalinina, University of Hohenheim	Potential ecological impacts of miscanthus, a prospective bioenergy crop, in agro- and natural ecosystems.	9.-13. 09.2013	43th annual meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ), Potsdam, Germany
Exhibitions	Wageningen University	Field demonstration of the multi- location field trial	26.09.2013	Wageningen
Oral presentation to a wider public	Karl Müller-Sämman & Olena Kalinina	OPTIMISC Dissemination activities and successes	30.09.2013	Brussels; Belgium



Oral presentation to a wider public	Müller-Sämam, ANNA I. Lewandowski, UHoh	Das Projekt OPTIMISC – Optimierung des Miscanthusanbaus	05.11.2013	Expert talk on biomass crops at the German Biomass Research Centre (DBFZ), Leipzig, Germany
Oral presentation at a scientific event	Ivan Tarakanov, RSAU	Bio-economy from the viewpoint of plant physiologist	3-5.12.2013	International conference dedicated to the academcian V.R. Williams, Moscow, Russia
Oral presentation at a scientific event	Ivan Tarakanov, Nikolai Khokhlov, RSAU	Studies on miscanthus genotypes within a geographical experiment	3-5.12.2013	International conference dedicated to the academcian V.R. Williams, Moscow, Russia
Oral presentation to a wider public	John Clifton Brown, IBERS, Aberystwyth University	Key note address on Miscanthus breeding	11-13/03/2014	International Bioenergy Conference 2014, Manchester, UK
Poster	Aberystwyth University, Laurie Huxley	Evaluation of drought tolerance mechanisms in Miscanthus	11-13 March, 2014	International Bioenergy Conference 2014, Manchester, UK
Oral presentation to a wider public	Christopher Nunn, Aberystwyth University	Environmental characterisation of Miscanthus in trial locations in Europe, Turkey and Russia	24-25.03.14	Southampton University, 3rd Early Career Biomass Researcher Symposium
Publication	University of Hohenheim, Shuai Xue , Olena Kalinina , Iris Lewandowski	Present and future options for Miscanthus propagation and establishment	22 May 2015	Renewable and Sustainable Energy Reviews, Vol 49:1233-1246
Exhibitions	IBERS, Aberystwyth University	Tent/booth at CEREALS 2014	11-12 June 2014	Cambridge
Thesis	Daria Kokurina, BSc (supervisor - Nikolay Khokhlov), RSAU	Monitoring of the miscanthus field trial during the second year vegetation	20.06.2014	RSAU, Moscow, Russia



Thesis	Sergey Naumov, BSc (supervisor - Ivan Tarakanov), RSAU	Comparative studies on the promising miscanthus genotypes in the conditions of Non-Black Soil Zone	20.06.2014	RSAU, Moscow, Russia
Thesis	Uliana Yudina, BSc (supervisor -Ivan Tarakanov), RSAU	Agro-ecological and morpho-physiological estimates of miscanthus genotypes in the conditions of Central Russia	20.06.2014	RSAU, Moscow, Russia
Poster	Vlaams Gewest (ILVO), Simon Fonteyne , P. Lootens , T. De Swaef , H. Muylle , D. Reheul , I. Roldán-Ruiz	Developing a screening protocol for chilling tolerance in miscanthus	22-26.06.2014	Plant Biology Europe FESPB/EPSO Congress, Dublin
Poster	Aberystwyth University, Christopher Nunn	Environmental characterisation of Miscanthus in trial locations in Europe, Turkey and Russia	22-26.06.2014	Plant Biology Europe FESPB/EPSO Congress, Dublin
Poster	Vlaams Gewest (ILVO), Lootens P., Fonteyne S., DeSwaef T., Muylle H., Reheul D. & Roldán-Ruiz, I	Effect of short-term chilling stress on the photosynthetic light reactions of miscanthus	22-26.06.2014	Plant Biology Europe FESPB/EPSO Congress, Dublin
Oral presentation at a scientific event	IBERS, Aberystwyth university, John Clifton-Brown et al.	Current Advances in Breeding and Testing Miscanthus	23.06.2014	Dublin, Plant biology Europe Congress FESPB/ESPO
Poster	Wageningen University, Luisa Trindade et al.	OPTimising MISCanthus (OPTIMISC) Biomass Quality for Biobased Applications	23.06.2014	Dublin, Plant biology Europe Congress FESPB/ESPO



Thesis	RSAU, Sergey Naumov, BSc (supervisor - Ivan Tarakanov)	Comparative studies on the promising miscanthus genotypes in the conditions of Non-Black Soil Zone	23.06.2014	RSAU, Moscow, Russia
Thesis	RSAU, Uliana Yudina, BSc (supervisor -Ivan Tarakanov)	Agro-ecological and morpho-physiological estimates of miscanthus genotypes in the conditions of Central Russia	23.06.2014	RSAU, Moscow, Russia
Thesis	Daria Kokurina, BSc (supervisor - Nikolay Khokhlov), RSAU	Field experiment with miscanthus methodology	23.06.2014	RSAU, Moscow, Russia
Oral presentation at a scientific event	Hohenheim University, Andreas Kiesel, Olena Kalinina & Iris Lewandowski	Miscanthus as Biogas Substrate.	24.06.2014	Hamburg, Germany
Oral presentation at a scientific event	Aberystwyth University, Laurie Huxley	Screening multiple Miscanthus genotypes for drought tolerance traits	26.06.2014	PhD students' workshop; satellite to the FESB\EPSO meeting. Trinity College, Dublin Ireland
Oral presentation at a scientific event	Wageningen Universiteit, Tim van der Weijde	Miscanthus biomass quality for bioethanol production	26.06.2014	PhD students' workshop; satellite to the FESB\EPSO meeting. Trinity College, Dublin Ireland
Oral presentation at a scientific event	University of Hohenheim, Yasir Iqbal	Combustion quality of miscanthus genotypes	26.06.2014	PhD students' workshop; satellite to the FESB\EPSO meeting. Trinity College, Dublin Ireland
Oral presentation at a scientific event	Aberystwyth University, Christopher Nunn	Genotype by Environment Interactions in Miscanthus selections grown across Europe	26.06.2014	PhD students' workshop; satellite to the FESB\EPSO meeting. Trinity College, Dublin Ireland
Oral presentation at a scientific event	University of Hohenheim, Andreas Kiesel	Miscanthus as biogas substrate	26.06.2014	PhD students' workshop; satellite to the FESB\EPSO meeting. Trinity College, Dublin Ireland



Oral presentation at a scientific event	Vlaams Gewest (ILVO), Simon Fonteyne	Evaluating growth of miscanthus at low temperatures using LEAF-E	26.06.2014	PhD students' workshop; satellite to the FESB\EPSO meeting. Trinity College, Dublin Ireland
Oral presentation at a scientific event	Stichting Dienstlanbouwkundig Onderzoek (DLO), Chang-Lin Chen	Evaluation of salt tolerance in Miscanthus using a hydroponic system	26.06.2014	PhD students' workshop; satellite to the FESB\EPSO meeting. Trinity College, Dublin Ireland
Oral presentation at a scientific event	Russian State Agrarian University, Alexander Anisimov	The Miscanthus spp. responses to different light environment	26.06.2014	PhD students' workshop; satellite to the FESB\EPSO meeting. Trinity College, Dublin Ireland
Poster	Vlaams Gewest (ILVO), Simon Fonteyne et al.	Growth and photosynthesis of miscanthus under chilling stress	08. - 12.09.2014	PEPG Ecophysiology techniques workshop in Lissabon, Portugal
Poster	Hohenheim University, Andreas Kiesel	The effect of different cutting regimes on the quality of miscanthus biomass as biogas substrate	10./11.09.2014	Progress in Biogas III Conference in Stuttgart, Germany
Oral presentation at a scientific event	Hohenheim University, Bastian Winkler, Iris Lewandowski	Integrated biomass potential assessment - a bottom-up approach. Bastian Winkler, Iris Lewandowski	29-30.10.2014	1. Bioeconomy Congress, Stuttgart, Germany
Exhibitions	Wageningen Universiteit, Luisa Trindade	Field trial exhibit during a PhD course "Bioenergy production...."	18.11.2014	Wageningen University
Oral presentation at a scientific event	Hohenheim University, Andreas Kiesel	Evaluation of different biomass value chains: LCA and energy ratios.	25-26 November, 2014	MISCANTHUS SYMPOSIUM AND SAFARI, Aberystwyth



Oral presentation at a scientific event	Aberystwyth University, Robson P., Cope Selby N., Donnison I., Fonteyne S., Lootens P. et al.	Abiotic stress tolerance: the impacts of variation in water, salinity and temperature on growth and yield.	25-26 November, 2014	MISCANTHUS SYMPOSIUM AND SAFARI, Aberystwyth
Poster	Aberystwyth University, Christopher Nunn	Environmental characterisation of Miscanthus in trial locations in Europe, Turkey and Russia	25-26 November, 2014	MISCANTHUS SYMPOSIUM AND SAFARI, Aberystwyth, IBERS
Oral presentation to a wider public	RSAU-MTAA, Ivan Tarakanov	Miscanthus: a new bio-energy crop for Russia?	04.12.2014	Project session on bio-economy. Institute of Demography, Migration, and Regional development. Moscow , Russia
Oral presentation at a scientific event	RSAU-MTAA, Ivan Tarakanov, Nikolay Khokhlov, Alexander Anisimov	Biomass production in miscanthus (within the geographical experiment)	04.12.2014	International conference on the food security in Russia. Moscow, Russia
Oral presentation at a scientific event	RSAU-MTAA, Nikolay Khokhlov	Weed control in miscanthus experimental trial	04.12.2014	International conference on the food security in Russia. Moscow, Russia
Oral presentation to a wider public	Ivan Tarakanov, RSAU	Miscanthus: a new bio-energy crop for Russia?	04.12.2014	Project session on bio-economy. Institute of Demography, Migration, and Regional development. Moscow , Russia
Oral presentation at a scientific event	Ivan Tarakanov, Nikolay Khokhlov, Alexander Anisimov, RSAU	Biomass production in miscanthus (within the geographical experiment)	04.12.2014	International conference on the food security in Russia. Moscow, Russia
Oral presentation at a scientific event	Nikolay Khokhlov, RSAU	Weed control in miscanthus experimental trial	04.12.2014	International conference on the food security in Russia. Moscow, Russia
Poster	ANNA, Müller-Sämman, K. & Kalinina , O.	OPTIMISC Miscanthus Information Platform	20.-21.01.2015	8th International Conference on Miscanthus and Perennial Energy grasses, Chartres, France



Poster	University of Hohenheim, Kalinina, O. et al.	Developing miscanthus value chains for marginal site conditions in OPTIMISC Project	20.-21.01.2015	8th International Conference on Miscanthus and Perennial Energy grasses, Chartres, France
Oral presentation to a wider public	University of Hohenheim, Iqbal, Y. and Lewandowski, I.	Combustion quality of different miscanthus genotypes	20.-21.01.2015	8th International Conference on Miscanthus and Perennial Energy grasses, Chartres, France
Oral presentation to a wider public	Blankney Estates Ltd, Michal Mos et al.	Chlorophyll and protein extractions from a US bred M.sinensis population at three european locations	20.-21.01.2015	8th International Conference on Miscanthus and Perennial Energy grasses, Chartres, France
Oral presentation to a wider public	University of Hohenheim, Kiesel, A. and Lewandowski, I.	The effect of cutting regime and nitrogen fertilization on the quality of Miscanthus x giganteus biomass as a biogas substrate	20.-21.01.2015	8th International Conference on Miscanthus and Perennial Energy grasses, Chartres, France
Oral presentation to a wider public	Vlaams Gewest (ILVO), Muylle, H., Fonteyne, S. and Lootens, P.	Evaluation of a collection of 100 miscanthus genotypes for use in fibre boards production in Belgium	20.-21.01.2015	8th International Conference on Miscanthus and Perennial Energy grasses, Chartres, France
Thesis	RSAU, Sergey Kuvshinnikov, BSc (supervisor - Nikolay Khokhlov)	Weed control in miscanthus field experiment	21.01.2015	RSAU, Moscow, Russia
Thesis	Sergey Kuvshinnikov, BSc (supervisor - Nikolay Khokhlov), RSAU	Weed control in miscanthus field experiment	22.01.2015	RSAU, Moscow, Russia



Publication	Vlaams Gewest (ILVO), Muylle, H., Van Hulle, S., De Vliegheer A., Baert, J., Van Bockstaele, E., & Roldan-Ruiz, I.	Yield and energy Balance of annual and perennial lignocellulosic crops for bio-refinery use: A 4-year field experiment in Belgium	01.02.2015	Belgium
Poster	Vlaams Gewest (ILVO), Fonteyne, S., Lootens, P., De Swaef, T., Muylle, H., Reheul, D. & Roldán-Ruiz, I.	Determining genotypic variation in chilling stress tolerance through growth and photosynthesis measurements in miscanthus	10.-12. March, 2015	Plant organ growth symposium, Ghent, Belgium
Poster	Vlaams Gewest (ILVO), Lootens, P., Fonteyne, S., De Swaef, T., Muylle, H., Reheul, D. & Roldán-Ruiz, I.	Phenotyping of early vigor in relation to chilling tolerance under field conditions using “differential base temperature”: a case study with > 100 miscanthus genotypes	10-12 March, 2015	Plant organ growth symposium, Ghent, Belgium
Poster	Aberystwyth University, Laurie Huxley	Screening multiple Miscanthus genotypes drought tolerance traits to maintain yield.	24 - 25 March, 2015	4th Annual Early Career Biomass Network Symposium, Aberystwyth University
Poster	Aberystwyth University, Laurie Huxley	Towards resilient biomass production under future climate scenarios.	14 - 15 April, 2015	Plant Science Conference 2015 - Harper Adams University, UK
Oral presentation at a scientific event	WAGENINGEN UNIVERSITEIT	Miscanthus biomass quality for biofuel.	27.04.2015	37th Symposium on Biotechnology for Fuels and Chemicals, San Diego, USA
Exhibitions	Ivan Tarakanov, RSAU	The 3rd International Fascination of Plants Day-2015. Energy Crops, visit to the laboratory	18.05.2015	RSAU, Moscow, Russia



Oral presentation to a wider public	Ivan Tarakanov, Nikolay Khokhlov, Alexander Anisimov, RSAU	Biomass production in Miscanthus spp. Plants, promising bioenergy crop (within the geographical experiment)	20.05.2015	Bulgarian-Russian workshop on plant physiology, Plovdiv Agricultural University, Bulgaria
Exhibitions	Nikolay Khokhlov, RSAU	Technical tour of the Congress participants	20.05.2015	VII Congress of the European Society for Soil Conservation ESSC, Moscow, Russia
Exhibitions	RUSSIAN STATE AGRARIAN UNIVERSITY- MOSCOW TIMIRYAZEV AGRICULTURAL ACADEMY	Field Demonstration of Miscanthus trials to participants ESSC-2015 Conference	22.05.2015	Moscow
Poster	University of Hohenheim, Kiesel, A., Iqbal, Y. & Lewandowski, I.	Optimization of Miscanthus x giganteus pretreatment for biogas production	1.-4.06.2015	EUBCE 2015 23.European Biomass conference & Exhibition, Vienna, Austria
Oral presentation at a scientific event	University of Hohenheim, Kalinina, O., Xue, S., Lewandowski, I.	Establishment of miscanthus into semi-natural grassland in South-West Germany	1.-4.06.2015	EUBCE 2015 23.European Biomass conference & Exhibition, Vienna, Austria
Oral presentation at a scientific event	University of Hohenheim, Lewandowski, I. et al.	OPTIMISC - Developing miscanthus production systems for marginal lands.	1.-4.06.2015	EUBCE 2015 23.European Biomass conference & Exhibition, Vienna, Austria
Exhibitions	Blankney / IBERS	Exhibition booth and field demonstration at CEREALS 2015	10-12 June 2015	Lincoln, United Kingdom



Thesis	Valeriy Kopenkin, BSc (supervisor Ivan Tarakanov, RSAU)	Eco-physiological characteristics of various Miscanthus genotypes	24.06.2015	RSAU, Moscow, Russia
Thesis	Alessandro Cavalli, BSc (supervisor Ivan Tarakanov, RSAU)	Studies on microclimate in the canopy of Miscanthus sacchariflorus and Miscanthus giganteus	06.07.2015	RSAU, Moscow, Russia
Exhibitions	Vlaams Gewest (ILVO), Hilde Muylle	Openvelddag Non & New Food	13.07.2015	Herent, Belgium
Press release	ANNA – Agentur für Nachhaltige Nutzung von Agrarlandschaften	Announcement Perennial Biomass Crops Conference	17 August 2015	Press Office Hohenheim University
Exhibitions	Vlaams Gewest (ILVO), Hilde Muylle	Open veld namiddag	04.09.2015	ILVO, Merelbeke, Belgium
Organisation of conference	Hohenheim University, ANNA, OPTIMISC team & Partners from EU Projects	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany	7-10 September 2015	Hohenheim University, Stuttgart, Germany
Oral presentation at a scientific event	Alexander Anisimov, Nikolay Khokhlov, Ivan Tarakanov, RSAU	Miscanthus plants morpho-physiological responses to low photosynthetic radiation	12.11.2015	All-Russian Scientific Conference with International Participation "Agrarian education and science in the 21st century", RSAU, Moscow, Russia
Press release	ANNA – Agentur für Nachhaltige Nutzung von Agrarlandschaften	Start of "Perennial Biomass Crops Conference", second announcement	08. September 2015	Press Office Hohenheim University
Oral presentation to a wider public	Hohenheim University, Moritz Wagner	LCA approaches to assessing the ecological performance	08. September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany



		of miscanthus-based value chains		
Oral presentation to a wider public	Hohenheim University, Olena Kalinina	Establishment and productivity of miscanthus on marginal grassland	08.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	IBERS, Aberystwyth University, Laurie Huxley	Screening miscanthus genotypes for drought tolerance traits	08.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	IBERS, Aberystwyth University, Kerrie Farrar	Bacterial endophytes in miscanthus	08.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	Vlaams Gewest (ILVO), Simon Fonteyne	Genotypic variation in chilling tolerance in miscanthus germplasm	08.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	Vlaams Gewest (ILVO), Peter Lootens	Genotypic variation in the frost tolerance of miscanthus rhizomes	08.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	University of Hohenheim, Yasir Igbal	Biomass composition and ash melting behaviour of different miscanthus genotypes	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	University of Hohenheim, Andreas Kiesel	Anaerobic digestion of miscanthus	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	Wageningen University & Research Centre, Tim van der Weijde	OPTIMISC: Optimization of miscanthus biomass quality for various biobased-products	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	Vlaams Gewest (ILVO), Hilde Muylle	Yield and quality characteristics of miscanthus genotypes in different value chains	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany



Oral presentation at a scientific event	IBERS, Aberystwyth University, Christopher Nunn	End of growing season and ripening in miscanthus germplasm grown in six countries	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	IBERS, Aberystwyth University, Christopher Nunn	Understanding miscanthus genotype and environment interactions using the model MiscanFor	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Poster	Wageningen University & Research Centre, Oene Dolstra	Technology implementation in miscanthus breeding for a biobased economy	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Poster	Hohenheim University, Olena Kalinina	Biodiversity in miscanthus grown in south-west Germany	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Poster	Kai-Uwe Schwarz	Stem internode length and weight as indicators of drought stress in miscanthus	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Poster	Dongying Agricultural College, Qingguo Xi	Salt tolerance in 25 miscanthus genotypes in a field trial in Dongying	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Poster	Russian State Agrarian University, Ivan Tarakanov	Genotype screening and testing of experimental environments: a case study with miscanthus	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	WAGENINGEN UNIVERSITEIT, Luisa Trindade	Lignocellulosic biomass quality for industrial applications	09.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Oral presentation at a scientific event	IBERS, Aberystwyth University, John-Clifton Brown	Upscaling biomass production: the case of miscanthus	10.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany



Oral presentation at a scientific event	University of Hohenheim, Iris Lewandowski	The role of perennial biomass crops in a growing bioeconomy	10.September 2015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Publication	Wageningen Universiteit, Tim Van der Weijde et al.	Impact of Different Lignin Fractions on Saccharification Efficiency in Diverse Species of the Bioenergy Crop Miscanthus	14 September 2015	Bioenergy Research: 1-11.
Oral presentation at a scientific event	Alexander Anisimov, Nikolay Khokhlov, Ivan Tarakanov, RSAU	Photoperiodic response in Miscanthus spp. Plants	23.09.2015	VIII Congress of the Russian Society of Plant Physiologists, Petrozavodsk, Russia
Poster	Ivan Tarakanov, Nikolay Khokhlov, Alexander Anisimov, RSAU	Genotype screening and testing of experimental environments: a case study with miscanthus	7-10.09.2015	Biomass 2015 conference. Perennial Biomass Crops for a Resource-Constrained World, Stuttgart-Hohenheim, Germany
Publication	University of Hohenheim	Biomass2015 (2015) Abstracts of the Conference "Perennial Biomass Crops for a Resource Constrained World".	7-10.09.015	Int. Conference "Perennial Biomass Crops for a Resource Constrained World", Stuttgart, Germany
Exhibitions	Vlaams Gewest (ILVO), Hilde Muylle	Velddemo 'alternatieve teelten en energieteelten'	04.10.2015	Paulatum, Belgium
Poster	University of Hohenheim, Andreas Kiesel, Iris Lewandowski	Developing Miscanthus x giganteus as a crop for biogas production.	27-28.10.2015	IEA Bioenergy Conference 2015, Berlin
Oral presentation at a scientific event	Wageningen Universiteit, Tim van der Weijde	Breeding miscanthus for biofuel production	28. 10.2015	International Agricultural Conference for Graduate Students, Nanjing Agricultural University, China



Exhibitions	Vlaams Gewest (ILVO), Hilde Muylle	Miscanthus : nieuwe teel, niet veel werk, maar wat met de afzet?	13.12.2015	ILVO, Merelbeke, Belgium
TV-clips	Ivan Tarakanov, Nikolay Khokhlov, RSAU	Material on the energy crop miscanthus for the telecast "Black holes, white spots"	28.01.2016	"Culture Channel", Russian TV, Moscow
Publication	Lewandowski, I., Clifton-Brown, J. & Murphy-Bokern, D.	Developing perennial biomass crops for expanding European bio-based feedstock supply in a resource-constrained world	15.02.2016	Biomass2015 conference. Stuttgart-Hohenheim, Germany

Summary of the major dissemination activities

In the four years of the project (until March 2016), more than 130 dissemination events took place and have been reported. Further dissemination activities can be expected after the end of the project.

OPTIMISC team members attended more than 78 events in 12 countries (9 EU countries, Russia, USA and China).

At least 47 oral presentations were given at national and international conferences and scientific symposia. On 14 occasions oral presentations were given at the events for producers, manufacturers and other miscanthus stakeholders and for wider public.



Fig. 1. Iris Lewandowski and John Clifton-Brown from OPTIMISC Project during the panel discussion of the 8th Conference of the Int. Society for Miscanthus and Perennial Energy Grasses in January 2015 in Chartres, France (Photo: OPTIMISC, Müller-Sämman).



Fig. 2. One of the sessions at Biomass2015 conference in Stuttgart in September 2015 (Photo: OPTIMISC, Kalinina).

On 17 occasions OPTIMISC partners participated in exhibitions and field days to inform professionals and the wider public about miscanthus, possibilities of using this energy crop and ongoing research activities. On several occasions the scientists, farmers and the wider public were invited to field demonstrations organized by OPTIMISC team members. Also apart from the officially organized OPTIMISC field days, the miscanthus fields of the project were often visited by the groups of students, general public, interested farmers and scientific delegations from the other countries.

At least 27 different posters were presented at the conferences; posters, roll ups and stands were also prepared and presented during exhibitions and field days.

Seven public newsletters with the information on the project activities and other interesting news from the world of miscanthus were sent out to 210 OPTIMISC subscribers to keep in touch with dedicated European stakeholders along the miscanthus value chain. OPTIMISC news and updates, as well as the information on the upcoming events and publications, were also regularly distributed through OPTIMISC website, OPTIMISC public platform and via several OPTIMISC social network accounts.

In September 2015, OPTIMISC took the lead in organising the conference on „Perennial Biomass Crops for a Resource Constrained World" at the University of Hohenheim in Stuttgart, Germany. The meeting was organised jointly by the OPTIMISC, OPTIMA, GrassMargins, FIBRA and WATBIO research consortia. The local organization has been done by the coordinator/management team of OPTIMISC and OPTIMISC dissemination officer. The aim was to inform the scientific community, stakeholders from agriculture and industry and the wider public on the results from OPTIMISC and other European research projects on perennial biomass crops. The information on this upcoming event has been distributed in advance and the speakers and attendees from the



European Commission and major miscanthus stakeholders and networks have been invited to the event. Also, the exhibition of miscanthus material uses and field and industry visits in Stuttgart area have been organized.

On this occasion (the conference was initially not foreseen in OPTIMISC working program) some extra dissemination-related activities were undertaken. These activities included the design and preparation of banners, roll-ups and posters for the conference, distribution of information/advertising/press releases and the edition of booklets with the conference program and the book of the conference abstracts.

Moreover, an article summarizing the mayor topics and results of the conference for the wider public was initiated and co-authored by OPTIMISC's project coordinator and distributed in printed form and for downloading on the Biomass2015 conference website and on the OPTIMISC website and platform.

A special issue of *Global Change Biology – Bioenergy Journal* (2015) on the conference topic has been initiated and a number of the research papers from the conference participants (incl. OPTIMISC manuscripts) have been accepted to this issue.

Additionally, a subject-specific special research topic of “Frontiers in Plant Science” (peer-reviewed open-access journal) on miscanthus has been agreed on and will be co-edited by two members of OPTIMISC team ([link](#)). The submission of the manuscripts for this issue opens in November 2016 and a number of papers presenting the final OPTIMISC results are expected to be published in this issue.

Springer Publisher will release a special book edition with peer-reviewed articles from the Biomass2015 Conference held in Stuttgart (Barth, S., Murphy-Bokern, D., Kalinina, O., Taylor, G. and Jones, M. [eds] (2016): *Perennial Biomass Crops for a Resource Constrained World*. Springer, New York). The book is already assembled and after the final technical edit will be published in summer 2016.

The project has fully achieved the goals on dissemination reflected in the dissemination strategy. However, the dissemination activities, in particular publishing the project's final results in scientific journals, will also continue after the project end.