

### Travel informations:

**Venue:** Austria, 8224 Kaindorf 2, Kulturhaus

**Airport:** International airport Vienna

**Getting from the airport to Kaindorf:**

**Rent a car:** 140 km towards Graz - it takes one hour and 20 minutes

**Public transport:** train to „Wien Mitte“ (CAT or S-Bahn S7 -direction Floridsdorf) - tube to “Karlsplatz” (U4 - direction Hütteldorf) - walk to „Friedrichsstraße“ (5 minutes) - bus to „Kaindorf“ (L 311 or 321 - direction Graz - Depature-times: 12:15, 13:15, 16:15, 16:45, 17:15, 18:15, 19:15, 20:15, 21:15 - 108 minutes driving time - bus company “Watzke” or “Dr. Richard” phone: +43 316 402003)

### Fees:

€ 185,00 / Students: € 85,00

Included: coffee and snacks during the breaks, dinner, get-together “buschenschank”-snack in the evening, excursion on Thursday.

### Register:

[www.oekoregion-kaindorf.at](http://www.oekoregion-kaindorf.at)

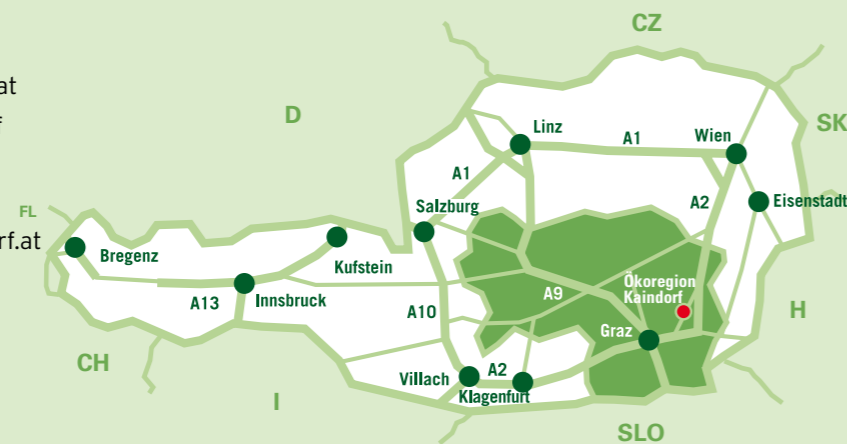
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F: +43 (0)3334 / 31426-4

[office@oekoregion-kaindorf.at](mailto:office@oekoregion-kaindorf.at)



### Accommodation:

Gasthof Hotel „Steirerrast“, T: +43 3334 / 2284, [www.steirerrast.at](http://www.steirerrast.at)

Familienballonhotel Thaller, T: +43 3334 / 2262, [www.ballonhotel.at](http://www.ballonhotel.at)

Rasthaus Steinbauer, T: +43 3334 / 2340

Privatzimmer Fuchs, T: +43 3334 / 2491, [www.privatzimmer-fuchs.at](http://www.privatzimmer-fuchs.at)

Waldpension Rechberger, T: +43 3334 / 2267

Ferienhaus Ameshof, T: +43 664 /430 77 88

Privatzimmer Ganster, T: +43 3334 / 2437, M: +43 664 /326 32 79

Camping Hutter, T: +43 3333 / 2269, M: +43 676 / 440 38 40

Pension Resi, T: +43 3334/ 2137, M: +43 664 / 234 87 56

Pension Ednitsch, T: +43 3334 / 2612, M: +43 664 / 382 54 15

Privatzimmer Pausackl, T: +43 3334 / 2693, M: +43 664 / 381 09 17

Winzerhaus Friedrich, T: +43 3333 / 2210, M: +43 664 / 461 14 39, [www.wirtshaus-friedrich.at](http://www.wirtshaus-friedrich.at)

Fair-Price-Hotel, Sebersdorf, T: +43 3333 / 24899, [www.fairpricehotel.at](http://www.fairpricehotel.at)

Ring Bio Hotel Wilfinger, Hartberg, T: +43 3332 / 608 -0, [www.wilfinger-hotels.at](http://www.wilfinger-hotels.at)

Schreiners Berghof, Hartberg, T: +43 3332 / 62305, [www.schreiners-berghof.at](http://www.schreiners-berghof.at)

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# Introduction

## humus expert meeting

We are bringing together the best humus-experts (scientists, practitioners and companies) in the world to demonstrate there are many different possibilities to increase carbon content in soils. This first meeting is an effort to explore new ideas for Europe, gain a better understanding of soil life processes and find new methods to increase carbon in our soils.

This event will demonstrate to experts in Europe, the capability for capture and storage of large amounts of carbon in our soils while providing both an increase in soil fertility and a practical vehicle for reducing atmospheric CO<sub>2</sub> to slow or stop climate change.

We invite stakeholders from government, schools, universities and agricultural extension to participate in this meeting, to assist in creating new guidelines for shaping the future of our agricultural production system and benefitting the environment. There is a big movement in biochar research in Europe; however, there are no "best practices" for application or understanding of how increasing soil fertility with biochar really works. Many of the applications using "biochar" are not performed correctly providing unreliable results; therefore, as we better understand the mechanisms that produce stable humus in soil, we will be able to provide better and more effective uses for biochar.

The purpose of this event is to find new combinations and technologies to increase carbon in soils faster and more effectively, with the best ideas to be tested by farmers in the ecoregion Kaindorf in 2014.

# Speakers

## humus experts meeting 2014

### Dr. Christine Jones



Dr Christine Jones is an internationally renowned and highly respected groundcover and soils ecologist. She has a wealth of experience working with innovative landholders to implement regenerative land management practices that enhance biodiversity, increase biological activity, sequester carbon, activate soil nutrient cycles, restore water balance, improve productivity and create new topsoil. Christine has organised and participated in workshops, field days, seminars and conferences throughout Australia, New Zealand, South Africa, Zimbabwe and the USA and has a strong publication and presentation record. Christine received a Community Fellowship Award from Land and Water Australia in 2001. The LWA Community Fellowship Program was designed to 'provide recognition to individuals with an outstanding track record in mobilising and inspiring the community to better manage their land, water and vegetation'. In February 2009, Christine established the prestigious A & K Hill Green Agriculture Innovation Awards (GAIA) with generous support from Allan and Kay Hill, who viewed an ABC Landline program documenting her vision to improve landscape health and farm productivity through the rebuilding of topsoil. The GAIA awards will run until 2013.

### Olivier Husson, PhD



is an agronomist (SupAgro Montpellier and Wageningen Agricultural University) working at CIRAD (Centre for International Cooperation in Agronomic Research for Development) in the System and Agronomic Engineering Research Unit (SIA). He has worked for 25 years in Africa and Southeast Asia in the domain of cropping systems engineering: designing, developing and testing with farmers, cropping systems and techniques (especially Conservation Agriculture) in a large range of contrasted situations (soil, climate, crops, economic environment, etc.). Based on a better understanding of soil/plant/microorganism systems functioning, Conservation Agriculture relies on rapid restoration of soil organic matter for activation of ecological processes. In a transdisciplinary perspective, he perceives organic matter first of all as a reservoir of electrons and a modifier of soil electric properties, playing a central role in soil/plant/microorganism systems functioning.

### Dr. Stephen Joseph



Dr Stephen Joseph holds a Bachelor of Applied Science in Metallurgical Engineering and a doctorate in Architecture and Applied Anthropology. He is a Fellow of the Australian Institute of Energy, a chartered engineer and has been a senior adviser to both commercial, government and non government organisations, in renewable energy, and sustainable agriculture and forestry. He has also been involved in multi-country market research into areas related to biochar, waste recycling and renewable energy. He has written over 100 books and articles and lectured and trained other engineers and scientists throughout the world. He was the founding vice chairman of the International Biochar Initiative and co-editor with Dr Johannes Lehmann of the first major publication on biochar. He is now a visiting professor at the University of NSW, Nanjing Agricultural University and a Research fellow at the University of Newcastle and Wollongong, and a director of a renewable energy and engine company in the UK. He has been the managing director of a renewable energy company for 23 years and a director of other renewable energy and biochar companies.

### Mag. Joachim Ninaus



General Manager of the Ecoregion Kaindorf, University Master degree in environmental systems sciences, educated in energy consulting and project-management. He has established a regional CO<sub>2</sub>-Model for the region and developed an energy concept with an implementation plan. He initiates, supports and documents all the very awareness-raising projects of the Ecoregion and implements them with the local population.

### Gerald Dunst



Studies at the University of agriculture, specializing in plant production. 13 years of independent consultants for compost production in whole Europe, author of the reference books „Composting“ (1991) and „humus“ (2011, self-published). Head of the Working group on humus increasing in agriculture in the ecoregion Kaindorf. Working since 2008 in the Terra Preta research. Construction and operation of the first biochar production plant in Austria. Owner and Managing Director of the company „Sonnenerde“ where high-quality ready soils are produced from compost from sewage sludge and green waste.

### David Johnson, PhD



has a PhD in molecular biology from New Mexico State University and is a Senior Project Specialist with the Institute for the Energy and the Environment where he researches biological-based energy projects and sustainable agriculture. David has research interests in Molecular Biology, Microbial Community Structure Analysis, Sustainable Agriculture, Soil Fertility Development, Bio-Hydrogen and Bio-Methane.

### Michael Martin Meléndrez



owns three New Mexico agri-businesses based out of Los Lunas, New Mexico. Trees That Please - a tree farm and nursery, Soil Secrets LLC a manufacturer of biological soil management products and Soil Secrets Worldwide LLC - a global soil management company. Michael is also the curator of a private botanical garden called the Arboretum Tomé, a site developed on toxic soil that was fixed with Michael's science. Today the arboretum has a huge collection Oaks of the world, many species of Redwood, Giant Timber Bamboo, Maples, etc.

### Prof. Dr. Bruno Glaser



Professor of Soil Biogeochemistry at the Martin-Luther-University Halle-Wittenberg in Germany, courses in soil science and sustainable use of natural resources. Numerous research projects (EU, BMBF, DFG) and publications on Indian Black Earths of Amazonia (Terra Preta) and pioneer in the terra preta and biochar research.

# Program

## Wednesday, 22<sup>th</sup> Jan. 2014

### 3<sup>th</sup> day - International humus experts meeting

Time	Speaking time	Name	Business/Country	Topic
08:30	0:30	Gerald Dunst	Ecoregion Kaindorf	Changing the livingroom in soils with high amounts of compost
09:00	1:00	Christine Jones	Australia	Carbon increasing with livestock and pastures
10:00	0:30	Coffee break		
10:30	1:00	Michael Meléndrez	Soil Secrets, New Mexico	Carbon increasing works itself, if you start it with protein and mykorrhiza
11:30	1:00	Olivier Husson	France	Conservation agriculture to increase carbon content
12:30	1:00	Dinner		
13:30	1:00	Stephen Joseph	Australia	Building soil carbon by using biochar and biochar-mineral-complex
14:30	1:00	Bruno Glaser	Univ. Halle, Germany	Carbon increasing with biochar in Europe
15:30	0:30	Coffee break		
16:00	1:00	David Johnson	New Mexico State University	Biologically Enhanced Agriculture Management
17:00	0:30	Joachim Ninaus	Ecoregion Kaindorf	CO <sub>2</sub> trading model with "humus-certificates"
17:30	1:00	Discussion		
18:30	open end	Get together during a comfortable "buschenschank"-snack		

## Thursday, 23<sup>th</sup> Jan. 2014

### 3<sup>th</sup> day - International humus experts meeting

Time	Speaking time	Name	Business/Country	Topic
9:00	3:00	Gerald Dunst	Sonnenerde	Visit the composting plant from the company Sonnenerde and the first biochar production facility, witch produce biochar from wastes
12:00	1:30	Bring you back to airport Vienna		