



The Zero Waste & Organic Cycle

seminário

Florianópolis 27 de outubro de 2016

08:30 – 18:00

Inscreva-se:

<http://egem.org.br/detalhe/?id=178>



**Local do
evento:**

GRANFPOLIS
ASSOCIAÇÃO DOS MUNICÍPIOS
DA REGIÃO DA GRANDE FLORIANÓPOLIS

**Rua Cândido Ramos 250,
Capoeiras Florianópolis - SC**

Passo a passo para uma gestão de resíduos sustentáveis

- Dos resíduos à gestão de recursos: vias de exploração locais e regionais
- De que condições jurídicas e estratégicas básicas necessita a gestão de resíduos (biodegradáveis) moderna?
- Conhecimento do planejamento passo a passo e da constituição dos elementos de gestão de resíduos locais e regionais voltada significativamente para a ecologia
- Noções básicas de prevenção de resíduos alimentares do produtor até à mesa
- Possibilidades de reciclagem e valor agregado a municipalidadee
- Conhecimento dos modelos de cooperação regionais
- Administração descentralizada de resíduos biodegradáveis: coleta seletiva, compostagem, colaboração com a agricultura, enriquecimento do solo através da produção de húmus
- Exemplos de usinas de compostagem simples e econômicas
- Requisitos técnicos para usinas de tratamento, critérios de qualidade e utilização de composto
- Possibilidades de criação de um projeto piloto e de demonstração em áreas estaduais e municipais

Programação

Informamos que todas as palestras do evento contarão com tradução simultânea

Passo a passo para uma gestão de resíduos sustentáveis

8.30	Credenciamento & registro
09:00 h	Abertura
09:20	Principais desafios: Situação e perspectiva da (bio) gestão de resíduos no Brasil e Santa Catarina <i>NN - ARIS</i>
10:00	Modelo Austríaco: Os elementos-chave e transições práticas para eficiência de recursos e práticas de reciclagem <i>Walter Hauer, 100NGO/TB Hauer, Austria</i>
10.45 h	Café pausa
11.15	Quais as condições de enquadramento jurídico e estratégico necessárias para a gestão de resíduos moderna no sentido de uma sociedade da reciclagem? - Aprender com a Europa e experiência com a implementação em países 'start-up' <i>Grigor Stoyanov, 100-NGO, Austria</i>
11:45	Coleta de resíduos urbanos: os resíduos residual, materiais recicláveis, coleta residencial direta para centros de reciclagem - logística e instrumentos económicos <i>Walter Hauer, 100NGO/TB Hauer, Austria</i>
12:30	Questões & respostas
12:45	Intervalo para almoço
13:45	Tratamento de resíduos e reciclagem integrada- opções de tecnologia: como tirar o melhor rendimento <i>Wolfgang Müller, Universidade Técnica do Innsbruck, Àustria</i>
14:30	Gestão de bio resíduos <i>Florian Amlinger, 100-NGO & Wolfgang Müller, Universidade Técnica do Innsbruck, Àustria</i> Parte I: Os sistemas de coleta de bio-resíduos na fonte: Utilização das podas, dejetos da gastronomia no processo de compostagem
15.15	Café pausa
15:45	Parte II: Compostagem e anaeróbio - a maneira descentralizada de reciclagem orgânica: Técnicas, gestão da qualidade e garantia de qualidade, a compostagem agrícola, gestão de húmus, Opções para tecnologia de biogás
16:30	Noções básicas de prevenção de resíduos alimentares ao longo da cadeia de abastecimento alimentar - Geração de resíduos alimentares e impacto negativo, as razões para a geração e ideias para medidas de prevenção <i>Felicitas Schneider, 100-NGO, Austria</i>
17:15	Rumo a um projecto-piloto e de demonstração Espaço para debate
ca 18.00 h	Encerramento do evento

Our '100NGO' team

Ing. Mag. Walter Hauer

Key words:

- Main strategies to reduce the residual to be landfilled (→ Zero Waste)
- Key criteria for cost effective modern waste collection and increasing recycling rates
- Economic drivers and waste fee models supporting recycling
- Smart locally adapted collection schemes and logistics: door to door, bring sites and recycling centres
- How to design and organise a recycling centre – inter-municipal cooperation
- Waste composition analyses
- Participative procedures with all important players for the change from waste to resource



Walter Hauer is CEO of Technisches Büro HAUER Umweltwirtschaft GmbH. He is independent Consultant for Waste Management, resource efficiency, sustainable development and environmental economics since 1992. He is holding degrees in economics and mechanical engineering and is experienced in developing and improving waste management and resource management in different regions – technically, economically, organisational (Central Europe, South-East Europe, Iraq). He is experienced in leading developing process with participation of different stakeholders and the public. Author of innumerable number of studies for public and private organisations, Mediator, State Certified Expert, Member of Scientific committee of international congress, speaker at international congresses

Florian Amlinger, MSc

Key words:

- Collection schemes for organic waste in cities and rural environments
- Decentralised and cooperative collection and composting models between municipalities and farmers
- The art of composting: low tech – low cost – high quality composting
- Quality assurance scheme and quality management in composting and quality standards for compost
- Logistics for food waste collection from big producers (restaurants, food processors, markets)



Mr. Amlinger is agronomist and director of Compost – Consulting & Development (Austria) and Board Member in '100NGO'. He has been involved in research and development projects in the area of separate collection and composting of organic waste as well as compost application since 1986. He participated in applied research projects involving the process optimisation of organic waste composting, the quality definition und best practice of compost application including the assessment of nutrition value, nitrogen dynamic, the assessment of potential toxic elements (PTEs) and organic pollutants in composts of different origins as well as greenhouse gas emissions from decentralised small scale composting systems.

He has managed large multi-disciplinary projects such as “The handbook of composting” (Austrian Ministry for Agriculture and Ministry for Science, 1993), “The Bio-Bin of Vienna” (City of Vienna, 1993), the study “Beneficial Effects of Compost Application on Fertility and Productivity of Soils - Literature Study” (Austrian Ministry for Environment, 2007) Austrian Guideline in Good Practice of Composting in 2008, the study “Bio-based plastics –sustainable introduction – waste collection and recovery”, Provincial Government of Lower Austria, 2008), The “Action Plan for Organic Waste” in Austria (Austrian Compost & Biogas Association®, 2010)

He was main consultant in preparing the Austrian Compost Ordinance,

2012 – 2014 he is lead partner of a 2-years EU funded project developing the “Legal and Structural Framework for a Bio-Waste Strategy for Bulgaria”

Since 2004 Mr. Amlinger held numerous workshops, and lectures in sustainable bio-waste management, compost production and use in Europe and overseas (e.g. Spain, Portugal, Slovakia, Czech Republic, Bulgaria, Georgia, Australia, Romania, Estonia, Armenia ...).

Dr. Ing. Wolfgang Müller

Key words:

- Recycling techniques for mixed and residual municipal waste
- Mechanical-biological treatment as central unit for environmentally sound treatment of residual waste
- Stabilisation of organic waste fractions before landfilling or the production of low grade compost
- Possible mechanical recycling techniques for residual waste.
- The wide range of MBT solutions: from small decentralized to large centralized solutions and its combinations
- Centralised techniques for biological treatment:
 - Open windrow composting
 - Aerobic stabilisation in closed reactors (composting)
 - Anaerobic Digestion in Biogas Plants
 - Production of Refuse Derived Fuel (RDF)



Wolfgang Müller works at Innsbruck University as senior scientist since November 2009. His responsibilities are the development and execution of research projects as well as lecturing.

Wolfgang Müller has more than 20 years of experience in the field of solid waste. His specialist areas are mechanical and biological waste treatment, covering composting and anaerobic digestion. During the last few years he increasingly focused on energy issues by means of biomass utilisation and the production of refuse derived fuels (RDF). He can draw from the experience of a vast amount of applied waste management projects.

Wolfgang has extensive international experience with selecting and developing the most appropriate integrated waste treatment/ energy production systems for any given situation, not limited to anaerobic digestion of mixed waste and source separated organics, production or Refuse Derived Fuel (RDF), utilisation in cement kilns, pyrolysis, Oxygen Starved Combustion (syngas) and other purpose built combustion facilities. Due to his intimate understanding of the technical and operational requirements for the various waste treatment systems, Wolfgang was also involved in the development of national regulations for waste treatment in Germany, UK and Bulgaria, regarding MBT (mechanical-biological waste treatment) in the context of European Landfill Directive, which mandates the minimisation of landfill disposal of waste with harvestable energy.

Grigor Stoyanov, MSc

Key words:

- Modern Waste Policy making: Key elements of the necessary national regulatory framework
 - Waste Management act
 - Ordinances for selected waste streams
 - Strategies, Waste Management Plans and guidance documents for the stakeholders
- Supporting local authorities in implementing waste legislation, strategies and local WM plans
 - Municipal Waste management Programs and planning
 - Guidelines and education tools
 - Drivers and incentives
- Important elements for a national (state) and local strategies for bio-waste recycling



Mr. Grigor Stoyanov has graduated the bachelor diploma on “High molecular chemistry and polymers, Chemical technology and biotechnology” and become an engineer on “Engineering protection on environment” in State Technology Institute (Technical University), Saint Petersburg, Russia. His professional career is already more than 11 years in the field of environment protection; 5 years from which were in the public administration working for the Ministry of environment and water of Bulgaria, Waste management and soil protection directorate.

Felicitas Schneider, MSc

Key words:

- Food waste generation and underlying reasons in the food supply chain
- Framework conditions towards stakeholder cooperation
- Successful food waste prevention and reduction projects, e.g.:
 - Concepts for food waste reduction at retailers and supermarkets
 - Food waste prevention initiatives in HORECA sector
 - Case studies related to social markets, food banks etc.
 - Awareness campaigns for households



Felicitas Schneider is research associate at the Institute of Waste Management, BOKU-University of Natural Resources and Life Sciences, Vienna, since 2001. Her specialised knowledge covers among others food waste, waste logistics, waste generation, waste prevention, Life Cycle Analysis (LCA), renewable resources, plastics. Her main activities include acquisition and working on research projects, teaching and supervision of students, PR work, national and international networking and training.

Laurinho Bandejas

- Project coordinator and moderator
- Public relations

From 1985 until 1990 co-founder from Mato Grosso GmbH, a firm that represents the cultural tradition from Brazil in Austria

From 2000 until 2010 general secretary of the Austrian-Brazilian society/ umbrella organisation for foreign companies. During this time frame different political and economic delegations were welcomed in Austria

2005 accompanist of an official Austrian governmental delegation to Brazil

Since 2010 general secretary of the Sociedade Austro-Brasileria (platform for bilateral relations). Establishment of four official representatives in Brazil. Reached the status as Public Interest Civil Society Organization OSCIP in Brazil.

Since 2012 leader of an own PR firm.

