



WORLD SUSTAINABLE ENERGY INSTITUTE

## WSEIN TRAINING PROGRAMS 2017



**INTEGRATIVE SUSTAINABLE CITY SOLUTIONS**  
Sustainable Mobility, Environment, Energy & Community  
[www.wsein.org](http://www.wsein.org) | [www.world-sustainable-energy.com](http://www.world-sustainable-energy.com)



## WORLD SUSTAINABLE ENERGY INSTITUTE

- is an international institution that encourages sustainability to bring solutions to current global environmental challenges
- has been established in 2014 and is headquartered in Vienna – Austria
- brings decisions makers, academic leaders, entrepreneurs and youth together for encouraging sustainable solutions for our planet in positive
- supports the change in the city and community for a sustainable world
- discusses behavior, culture to prevent our natural resources
- believes in sustainable development if developing countries learn from the mistakes of developed countries
- supports technologies for developing new systems to prevent the resources of our nature
- talks about the impacts of climate change and how we can prevent nature
- discusses sustainable solutions in the areas of Energy, Mobility, Environment and commitment of the Community
- cooperates worldwide with universities, cities, municipalities and organisations which are interested in sustainable development
- supports sustainable entrepreneurship

## TRAININGS, WORKSHOPS, ONSITE AND WEB-BASED WEBINARS

The World Sustainable Energy Institute organizes trainings, workshops, onsite and web-based webinars to support the change in the city and community. The trainings and workshops are designed for participants who are interested in Sustainable Energy (such as Renewable Energy), Environment, Waste Management, Mobility and Traffic Planning.

A staff of highly qualified professionals, members of universities and international well-known experts supports the institute by presenting their know-how and problem solving concepts.





## OVERVIEW OF WSEIN TRAINING PROGRAMS 2017

### 1. SUSTAINABLE MOBILITY PROGRAM

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SUSTAINABLE MOBILITY**  
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**FOR A SUSTAINABLE WORLD**

# 1. SUSTAINABLE MOBILITY PROGRAM

The Sustainable Mobility Program is designed for participants who are interested in traffic planning, consulting for municipalities, transport solutions, sustainable infrastructure and city planning.



 [www.wsein.org/trainings/sustainable-mobility](http://www.wsein.org/trainings/sustainable-mobility)

## TRAINING COURSE SUSTAINABLE MOBILITY

### TARGET GROUP

Representatives (Mayors) of Communities and Cities

### DURATION (3 Days)

1 Day Workshop  
1 Day Excursion  
1 Day Visiting City of Vienna

### LOCATION

Workshops in 4 or 5 stars Hotel in Vienna – Austria

### EXPERTS

#### Univ. Prof. Hermann KNOFLACHER



University professor of the Institute of Transportation at Vienna University of Technology, Austria

### COURSE SUBJECTS

- Principles of Traffic Planning
- Energy in Transport Systems
- Practical problems of Traffic
- Environmental Impacts
- Solutions for Cities
- Solutions for Companies

#### MSc. Gökhan YILDIRIM



President of WSEIN

## 2. SUSTAINABLE ENVIRONMENT PROGRAM

The Sustainable Environment Program is designed for participants who are interested in environmental policies, consulting for municipalities, district heating and cooling, industrial clean production, sustainable building and waste management strategies for communities and cities.

*Intensive training in Waste Management for decision makers – best practice method in Vienna, the City with the best quality of living!*

 [www.wsein.org/trainings/sustainable-environment](http://www.wsein.org/trainings/sustainable-environment)



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## TRAINING COURSE WASTE MANAGEMENT

### TARGET GROUP

Representatives (Mayors) of Communities and Cities

### DURATION (3 Days)

1 Day Workshop  
1 Day Excursion  
1 Day Visiting City of Vienna

### LOCATION

Workshops in 4 or 5 stars Hotel in Vienna – Austria

### EXPERTS

#### Prof. Dr.-Ing. Karl E. LORBER



40 years of experience, Professor for Waste Management at Montanuniversität Leoben, Austria

### TARGET GROUPS

I. Representatives of Communities and Cities

II. Cement Industry

III. Automotive & Plastic Industry

IV. Leather-Tanning Industry

→ See full program at page 6

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President of WSEIN

## I. Representatives of Communities & Cities

### TARGET GROUP

f.e. Mayors

### COURSE SUBJECTS

- Fundamentals of Waste Management
- EU-Waste Management Strategies & Organization
- Separate Collection, Treatment, Recycling & Disposal
- Municipal solid waste incineration
- Utilization & Disposal of Residues
- Case Studies

### EXCURSION

MA 48–Waste Management Department City of Vienna  
Pfaffenau waste incineration plant  
“Rinter” – Tent for Waste Separation  
Simmering Waste Logistic Center, Rautenweg Landfill

## II. Cement Industry

### TARGET GROUP

Plant engineers, operation managers, cement plant staff

### COURSE SUBJECTS

- Fundamentals of Waste Management
- EU-Waste Management Strategies & Organization
- Production of Substitute Fuel for the clinker process
- Quality & quality assurance for Solid Recovered Fuels
- SRF as feedstock in the rotary kiln
- Case study

### EXCURSION

Cement Plant: Mannersdorf

## III. Automotive & Plastic Industry

### COURSE SUBJECTS

- Fundamentals of Waste Management
- EU-Waste Management Strategies & Organization
- Scrap Car Dismantling & Materials Recycling / Energy Recovery
- Polymeric Composites & Bio-based plastic
- Littering problems
- Plant specific Waste Management concepts
- Case study

### EXCURSION

PET to PET  
(Optional: MAGNA-Industries Graz)

## IV. Leather-Tanning Industry

### COURSE SUBJECTS

- Fundamentals of Waste Management
- EU-Waste Management Strategies & Organization
- Waste inventory and characterization of wastes
- Plant specific Waste Management concept for Tanneries and Leather production
- Measures for prevention, treatment, utilization & disposal of tannery wastes
- Case studies

### EXCURSION

HTL-Institute Rosensteingasse, Vienna  
(Optional: Schmidt company, Weiz)

## 3. SUSTAINABLE ENERGY PROGRAM

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The Sustainable Energy Program is designed for participants who are interested in renewable energy, energy efficiency, energy demand for mobility, energy production for industry as well as energy for cities and energy demand for buildings.



 [www.wsein.org/trainings/sustainable-energy](http://www.wsein.org/trainings/sustainable-energy)

### TRAINING COURSE SUSTAINABLE ENERGY

#### TARGET GROUP

Representatives (Mayors) of Communities and Cities

#### DURATION (3 Days)

1 Day Workshop  
1 Day Excursion  
1 Day Visiting City of Vienna

#### LOCATION

Workshops in 4 or 5 stars Hotel in Vienna – Austria

#### EXPERTS

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##### Univ. Prof. Reinhard HAAS



University Professor of Energy Economics  
at Vienna University of Technology, Austria

#### COURSE SUBJECTS

- Energy – Energy Mix
- Principles of Renewable Energy
- Efficient Energy
- E-Mobility
- Electricity Production and Grid
- Solutions for Cities
- Solutions for Companies

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President of WSEIN

## 4. SUSTAINABLE COMMUNITY PROGRAM

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The Sustainable Community Program is designed for participants who are interested in different disciplines with the focus on sustainability as sustainable entrepreneurship, sustainable health, sustainable food, sustainable youth & children, energy for people and sustainable politics.



 [www.wsein.org/trainings/sustainable-community](http://www.wsein.org/trainings/sustainable-community)

### TRAINING COURSE SUSTAINABLE COMMUNITY

#### TARGET GROUP

Representatives (Mayors) of Communities and Cities

#### DURATION (3 Days)

1 Day Workshop  
1 Day Excursion  
1 Day Visiting City of Vienna

#### LOCATION

Workshops in 4 or 5 stars Hotel in Vienna – Austria

#### EXPERTS

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##### Univ. Prof. Dr. Roland Ernest POMS



Secretary General/CEO, ICC–International Association for Cereal Science and Technology

#### COURSE SUBJECTS

- Sustainable Entrepreneurship
- Sustainable Health
- Sustainable Food
- Sustainable Youth & Children

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President of WSEIN

## 4.1 SESP PROGRAM

The Sustainable Entrepreneurship Startup Program (SESP) training is designed for participants who want to gain skills how to turn innovative results into start-up in the field of sustainable energy (such as renewable), environment, waste management, mobility and traffic planning.

 [www.wsein.org/trainings/sustainable-community](http://www.wsein.org/trainings/sustainable-community)



## SUSTAINABLE ENTREPRENEURSHIP STARTUP PROGRAM

### TARGET GROUP

Entrepreneurs and potential entrepreneurs, small innovative (research) teams, administrations

### DURATION (3 Days)

2 Days Workshop (9.00 – 17.00)  
1 Day Visiting City of Vienna

### LOCATION

Workshops in 4 or 5 stars Hotel in Vienna – Austria

### EXPERTS

#### Mag. Andrea FENZ



ECQA Certified Trainer, EU Project Manager  
Director of Skills International GmbH

### COURSE SUBJECTS

The training of creative thinking and entrepreneurship is a two-day hands-on experience where entrepreneurs and potential start-ups can experience and exchange ideas to create an enterprise based on innovation. The training provides an intensive learning experience with tutorials and practical exercises.

- Core Competence Definition
- Success Factors for Entrepreneurship
- The Business Plan for Start-Ups
- European Funding Opportunities
- Risk Management

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President of WSEIN

## 5. SUSTAINABLE CITIES PROGRAM

The Sustainable City Program is designed for participants who are interested in Integrated Sustainable City Solutions such as

- Traffic Planning
- Waste Management
- Renewable Energy
- Sustainable Entrepreneurship

 [www.wsein.org/trainings/sustainable-cities](http://www.wsein.org/trainings/sustainable-cities)



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## TRAINING COURSE SUSTAINABLE CITY

### TARGET GROUP

Representatives (Mayors) of Communities and Cities

### DURATION (4 Days)

2 Days Workshop  
1 Day Excursion  
1 Day Visiting City of Vienna

### LOCATION

Workshops in 4 or 5 stars Hotel in Vienna – Austria

### COURSE SUBJECTS

- **Integrative Sustainable City Solutions**
- **Sustainable Mobility**  
City Traffic Planning
- **Sustainable Environment**  
Waste to Energy
- **Sustainable Energy**  
Renewable Energy Systems
- **Sustainable Society**

## EXPERTS

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### SUSTAINABLE MOBILITY

**Univ. Prof. Hermann KNOFLACHER**



University professor of the Institute of Transportation at Vienna University of Technology, Austria

### SUSTAINABLE ENVIRONMENT

**Prof. Dr.-Ing. Karl E. LORBER**



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### SUSTAINABLE ENERGY

**Univ. Prof. Reinhard HAAS**



University Professor of Energy Economics at Vienna University of Technology, Austria

### SUSTAINABLE COMMUNITY

**Univ. Prof. Dr. Roland Ernest POMS**



Secretary General / CEO, ICC–International Association for Cereal Science and Technology



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**WORLD SUSTAINABLE ENERGY INSTITUTE**  
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