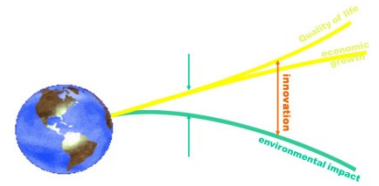




# Sustainable Innovation (SINN)

## A Comenius / Grundtvig Training Reference number "AT-2011-269-001"



### Objective and keywords of the content:

The objective of the training course is to understand future boundary conditions for the development of products and processes and to provide tools for creativity & inventive problem solving to enhance creative problem solving. This provides tools to implement the European strategy of sustainable development & innovation.

- The concepts of **Sustainable Development** and **Systematic Innovation / TRIZ** (Combination of two important pillars for future development)
- Tools and methods to foster these concepts:
  - Tools of Cleaner Production (Input-Output Analysis, Material & Energy Flow Analysis, ...)
  - Innovation & Creativity: The creativity process
  - TRIZ - Theory of Inventive Problem Solving & Systematic Innovation (Ideality, Resources, Contradictions, Inventive Principles, Trends of Evolution, S-Curves, ...)

### Who should attend

- Teachers & teacher trainers
- Policy makers & educational administrators
- Professionals interested in improving their problem solving, creativity and problem management

### Grants !!! (not possible for participants from Austria)

Receive a grant to **cover all expenses** for the course by contacting YOUR National Lifelong Learning

Agency: → [http://ec.europa.eu/education/programmes/llp/national\\_en.html](http://ec.europa.eu/education/programmes/llp/national_en.html)

**IMPORTANT - Deadline for Grant Application: January 15<sup>th</sup>, 2011!**

**Training Dates:** June 13<sup>th</sup> - 17<sup>th</sup>, 2011

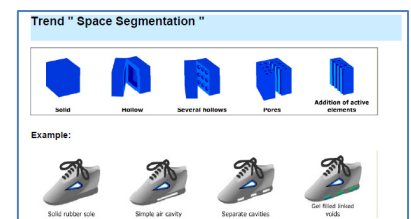
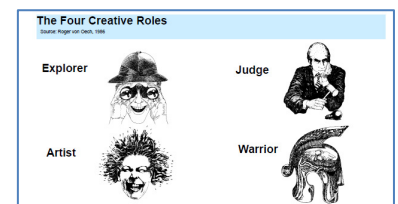
**Duration:** 5 Days Training: Monday to Friday  
Arrival: Sunday, 12<sup>th</sup> – Departure Saturday, 18<sup>th</sup>

**Location:** Graz, Austria  
Info about definite location (Hotel) in January 2011!

**Trainers:** Johannes Fresner & Jürgen Jantschgi  
see "Short Introduction – Trainer & Organizer"

**Language:** English

**Costs:** 1.450 € (excl. VAT)  
incl. training and accommodation costs (breakfast & 1 meal per day)  
excl. travel costs  
*Bank transfer before training start obligatory*



### **Program and Content:**

Overview of the program → on the back side.

The detailed program & content of the training is described on the Comenius/ Grundtvig database

<http://ec.europa.eu/education/trainingdatabase>: Reference number "AT-2011-269-001"

<http://ec.europa.eu/education/trainingdatabase/index.cfm?fuseaction=DisplayCourse&cid=27046>

### **Express your interest in the course by contacting us:**

STENUM GmbH  
 Email: [office@stenum.at](mailto:office@stenum.at)  
 Phone: +43 316 367156 0

Jantschgi C&R  
 Email: [office@jantschgi.at](mailto:office@jantschgi.at)  
 Skype: juergen.jantschgi



## Short Introduction: Trainer & Organization



### Jürgen Jantschgi

Jantschgi Consulting & Research, General Manager  
 Jantschgi C&R, Play Innovation – TRIZ & more  
 Teacher at the Higher Technical College, Wolfsberg

Innovation & TRIZ-Consultant  
 Co-operationpartner of iip innovation in progress / Strategyn Austria

Innovation- & TRIZ – Projects / Trainings / Workshops  
 Development & realization of training concepts for companies and educational bodies  
 Dissemination TRIZ – Theory of Inventing Problem Solving  
 Benchmarks and Seminars "innovatel austria." / "Innovation Excellence Model"

et.al. MA TRIZ TRIZ Level 3 Certificate  
 Basic Training OTSM – TRIZ  
 Founding member TRIZ Campus  
 Former Speaker TRIZ Kompetenzzentrum Österreich (Austrian TRIZ Association)  
 Member Executive Board ETRIA (European TRIZ Association)  
 Member Platform for Innovation Management  
 Organization World Conference TRIZ Future 2005 in Graz



### Johannes Fresner, Dr.

STENUM Unternehmensberatung, Managing Director  
 STENUM Consulting and Research in environmental matters

Managing Director of STENUM since 1991

Process optimization, Cleaner Production, Energy efficiency, ...  
 Consulting and Training with main focus on optimization and benchmarking  
 Consulting experiences with more than 200 companies  
 Idea generation and problem solving with TRIZ  
 ISO 14001, ISO 9000, EMAS

et.al. MA TRIZ TRIZ Level 3 Certificate  
 Founding member TRIZ Campus  
 UNIDO Cleaner Production Trainer  
 Member Platform for Innovation Management  
 Member TRIZ Kompetenzzentrum Österreich

## Overview Program: "Sustainable Innovation" Comenius / Grundtvig Training 2011

DAY 1 Welcome dinner

DAY 2

Introduction game / discussion content / Innovation / creativity & sustainability / key issues sustainable development excursion in the surroundings

DAY 3

Innovation & creativity / the 4 creative roles / introduction to systematic innovation & TRIZ common visions sustainability & systematic Innovation / excursion to an "Ecoprofit"-Company

DAY 4

Problem analysis: concepts of functions, ideality & resources, function analysis, concept of contradictions excursion

DAY 5

Idea generation: inventive principles (IP), applications of the IP's / the Altshuller Matrix / separation principles / Gala Dinner

DAY 6

Concept of s-curves, laws & trends of evolution, evolutionary potential / practical application guide, summary free time for participants / training evaluation & discussion of personal implementation of knowledge

DAY 7 Departure