

# 12<sup>th</sup> ALARA Workshop - Vienna

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## **„Training of Emergency Responders“**

An innovative approach of testing radiation protection skills in catastrophe management

## „A step by step training for Emergency Responders“

Goals to achieve:

- Same level of knowledge
- Same technical terms
- Same (or similar) instruments

## „The high Quality Aims of Education“

- ***STANDARDIZATION OF THE EDUCATION***
- usage of the same technical terms
- cooperation between the members of different relief organizations
- the same level of knowledge about the topic

## “Communication as the major tool of knowledge transfer“

- Knowledge transfer needs a base of Unification
- This unification includes Education, Evaluation and Reinforcement (e.g. the Seibersdorf Laboratories Awards)
- the radiation protection academy functions as a platform for a harmonized education

## “Motivation of the Students“

- radioactivity, radiation and radiation protection has to become a more touchable topic
- the aura of mysticism has to be taken away
- Science has to become less untouchable and more understandable for the emergency responder as well as for the subject in danger

„The Seibersdorf Laboratories awards as an example of a competitive knowledge transfer and testing“

- Seibersdorf research started with their radiation protection award as early as 1962
- 50 000 candidates have been awarded since then
- Most candidates are members of the Austrian Army or other security forces

- Motivation of the students
- Current control of achievement and knowledge
- Retraining in regular periods
- Reevaluation by a subtly choosen group of specialists
- Knowledge exchange between members of different organizations and different countries

## „The Seibersdorf Award in more detail“

- radiation protection training award is offered in three stages
- the bronze award; the silver award; and the golden award
- a candidate passed the award, gets an insignia and a certificate

- A more detailed overview about the clientel attending the Seibersdorf Laboratories award program:
- Austrian army
- Security forces
  - Red Cross Austria
  - Fire Department
  - Police Department

## Seibersdorf's Bronze award

Guarantees that the holder is competent in both theoretical and practical aspects of an radiological accident

## Procedure

- 4 practical exercises
- Practical tests
- Theoretical tests

## Practical requirements

- Detection of radioactive sources
- Measuring of radiation
- Taking of environmental samples
- Principles of personal monitoring

## Theoretical requirements

- Principles of radioactivity
- Use of ionising radiation
- Principles of dosimetry
- Regulations for radiation protection
- Regulations for transportation of dangerous goods

## Silver award

Requires additional competence in emergency management

## Golden award

- 5 years of professional experiences
- Presenting a written thesis
- Personal competence in emergency planning

## Purpose

Harmonized high level education of all Austrian security forces

SEIBERSDORF  
LABORATORIES

