

# Mainstreaming OSH into education and training: Results of EU-OSHA activities

Stakeholder meeting: mainstreaming OSH into education  
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<http://osha.europa.eu>

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## ➤ **European Community OSH Strategies**

- 2002-2006
- 2007-2012
- Set objectives for the Member States on OSH and education –commits MS to take action
- Recognises OSH in education as an important contributor to the development of safety cultures in enterprises

## ➤ **European cooperation agreements on education**

- Convergence of school curricula, subjects and learning objectives across the Member States

Education policies and practices

Young worker policies and regulations

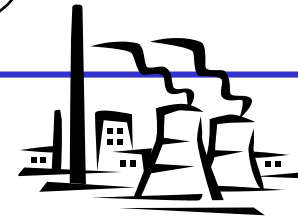
OSH mainstreaming  
into education



**Young worker**



Personal background and  
experience, OSH  
knowledge, values,  
attitudes, behaviour,  
physical, cognitive &  
emotional characteristics,  
substance use, etc.



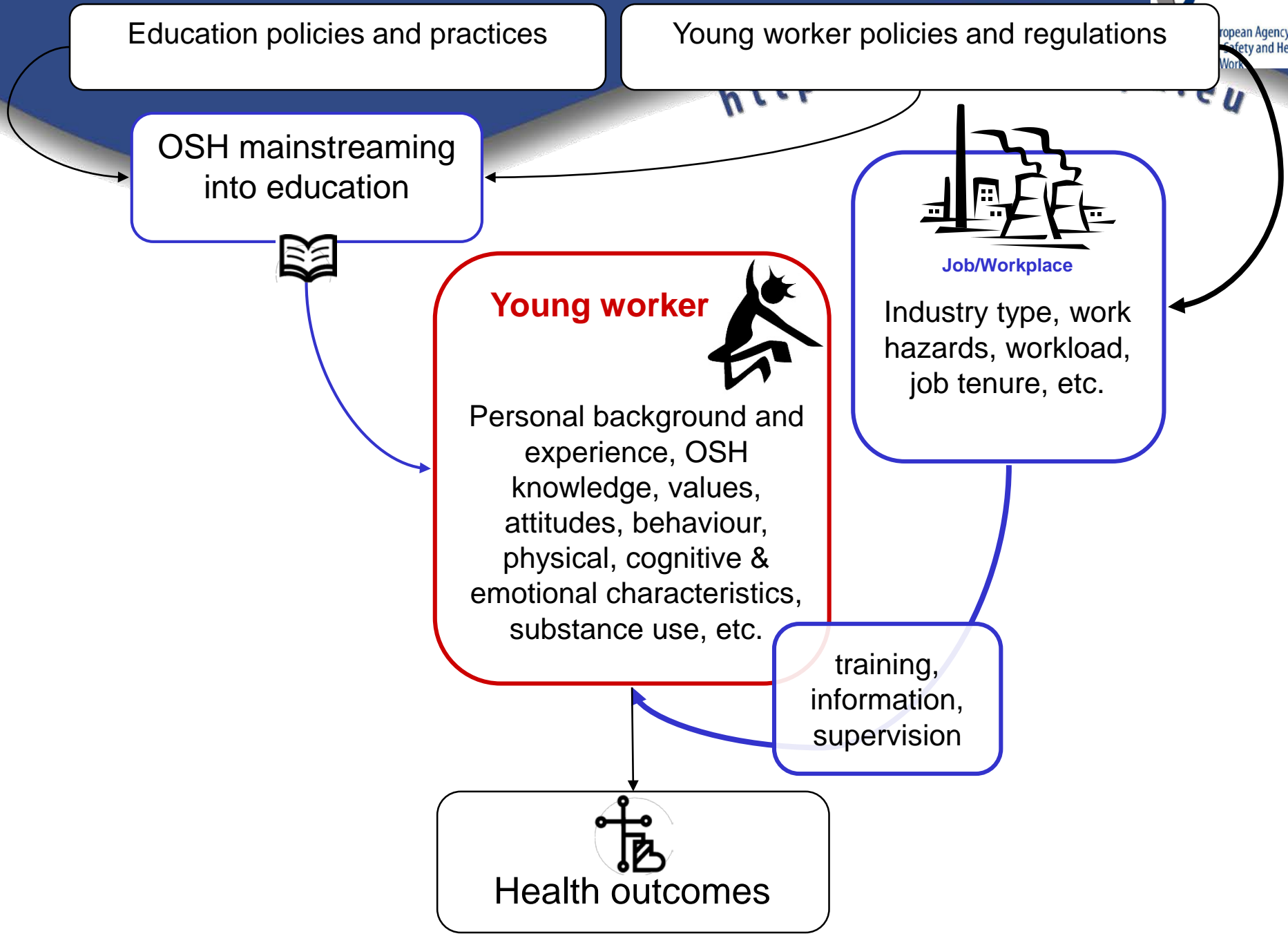
**Job/Workplace**

Industry type, work  
hazards, workload,  
job tenure, etc.

training,  
information,  
supervision



Health outcomes



## Essential to look at education + workplace

- Young workers lack knowledge, skills, experience
- Young workers given unsuitable jobs, insufficient training and supervision

## Essential to:

- **Mainstream OSH into education**
- **Mainstream youth into OSH prevention**
  - Including young workers in accident reduction policies and OSH campaigns on specific hazards they are most exposed to
  - Including young workers in rehabilitation and employability policies for injured workers
  - Training inspectors about risks to young workers

# Success factors in workplace training for young workers

- **Part of a whole prevention approach, based on risk assessment**
- **Learn from results of mainstreaming OSH into education**
- **Use peers**
  - Experiences of more senior younger workers
  - Older workers as mentors
  - Positive for new and more senior colleagues
- **Get a close link to working life**
  - Get youngsters to solve real work problems
  - Feed results into risk assessment/ prevention process
  - Meaningful for youngsters, value for employers
- **Make OSH an integral part of doing job right**
  - at work and in vocational training

RWE Westfalen-Weser-Ems AG ,Germany

- **Apprentices teach apprentices**
- 2nd year peers identify topics from own experience of incidents or accidents
- make a presentation to 1st years followed by discussion
- Results fed into risk assessment update process
- Safety issues communicated to departments through new channels
- Following 1<sup>st</sup> yr. of project accidents down by 40%, serious accidents by 88%
- Low cost, simple approach



Good Practice Awards 2006

# OSH in education curricula

## Member State activities (1)

<http://osha.europa.eu>

- **Recognised as necessary and important**
  - All MS showing significant progress – from nursery to upper secondary schools
- **Many activities at 1<sup>st</sup> and 2<sup>nd</sup> level in place or planned**
  - National guidance where no statutory requirements
  - Resources/guidance to support statutory requirements
  - Formal recommendations
  - Statutory curricula requirements
    - can be combined with recommendations
- **Strong partnership approach – OSH Authorities, Government Education Ministries, Curriculum Authorities, others**

# OSH in education curricula

## Member State activities (2)

<http://osha.europa.eu>

- Risk education learning objectives increasingly compulsory in the science, technology and physical education core curriculum subjects
- Inclusion of relevant learning objectives also increasing seen as part of health education, environmental studies, citizenship/civic studies...



# OSH in education curricula

## Member State activities (3)

<http://osha.europa.eu>

- **Many innovative resources**
- **University-level least well developed**
- **Training needed – for existing teachers, for trainee teachers –Agency project for 2008/10**
- **Integrated approaches e.g. whole school approach to safety should be recommended**
- <http://osha.europa.eu/en/publications/reports/TE3008521ENC/view>

- **General teaching requirement for h&s in national education curriculum**
- **Coverage- science, design, technology, art, sports**
  - Sets learning objectives – hazards, risks, risk control
  - Guidance to support the requirement
- **Year-10 workplace hazards qualification**
- **Stakeholder engagement**
  - National Training Organisation Network (ENTO)
  - Learning and Skills Council
  - Qualifications and Curriculum Development Agency
- **Partnerships**
  - E.g. OSH associations / OSH NGOs
- **Activities and stakeholder engagement based on prior research**
- **Timing - Made use of curriculum review**

# OSH in education curricula

## – Some success factors

<http://osha.europa.eu>

- **Objectives in the national OSH strategy**
  - With commitment, resources
- **Be realistic –school curricula very crowded**
- **Look for opportunities, such as curricula reviews**
- **Cooperation**
  - education authorities and curriculum-setting bodies
- **Tailor activities**
  - to curriculum, policy and teaching methods
- **Embed risk education across the curriculum**
- **Learning objectives**
- **Resources and professional development for teachers**
- **School-level OSH qualification – to fit qualification system**
- **Partnerships and networks**
  - consistent approach and avoiding duplication
- **Whole-school approach to OSH**

# Mainstreaming OSH into university-level education (Report to be published 2010)



- **University-level least well developed...**
  - Few examples of embedding OSH in courses
  - Lack of relevant materials/ professors with OSH knowledge Individual activities emerging,
  - e.g. in engineering and architecture – where legal requirements exist
  - E-learning, shared online resources
  - Business studies – selling the economic aspect
- **Success factors similar to other levels –**
  - partnership
  - set clear learning objectives, suitable case studies, active learning resources and approaches
  - OSH authorities etc. supporting universities in OSH management
  - a whole-university approach

# Training primary/secondary teachers to deliver risk education draft report

<http://osha.europa.eu>

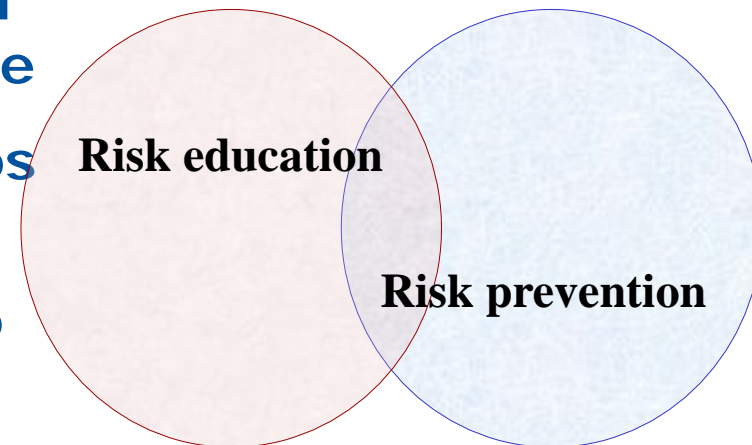
- More activity in training existing teachers than in the programmes of new trainees
- Difficult to locate examples outside of vocational training
- Lack of space on the training curriculum for new teachers
- Difficult for some teachers to be away from class rooms
- Cost of providing substitute teachers

## Solutions?

- Combine training teachers about health and safety in schools with training them to teach OSH/risk education
  - Training to deliver risk education not compulsory. OSH training for employees is a legal requirement
  - OSH authorities have more influence over training for schools to meet OSH legislation requirements
- Integrate training to deliver OSH/risk education into training for delivering compulsory subjects e.g. health education

# 2010 Work programme whole-education establishment approach to OSH

- Improves staff and pupil health and safety
- Develops student understanding of OSH and its importance by example
- Risk prevention in schools develops teachers' understanding of OSH
- Improves learning environment so improves learning as a whole
- Involving pupils in hazard spotting and decisions gives them ownership and develops skills
- Gains education sector support



## Källby Gård - Safe school

### Participation and influence



- Kids participate in hazard spotting
- Kids participate in proposing solutions
- Pupils and parents participate in Safe school group
- Head teacher drives the process

"Work environment detectives"

2006 Good Practice Awards

- About the campaign
- Why young people
- Campaign materials
- Logo & Slogan
- Accident Zone
- Ideas for action
- Case Studies
- Press room
- Events
- Online "RISQ" magazine**
- Online Risks
- Online Games
- Online Quizzes
- Online Competitions
- E-cards

Send your personal eCard!

Watch out - The Supermarket



European Week 2006 - Safe Start!



Watch out - The Ladder



Watch out - The Lightbulb



Get involved

- Sign the charter
- Good Practice Awards
- Video Competition
- Photo Competition
- National Contacts & Activities
- European Safe Start Summit

More about Young Workers

- Publications
- Webfeature

More on campaigns

Learn more about our campaigns

OSHmail

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News



**Want more!**

<http://osha.europa.eu>

## **Young workers**

[http://osha.europa.eu/en/priority\\_groups/young\\_people](http://osha.europa.eu/en/priority_groups/young_people)

**Campaign page:** <http://ew2006.osha.europa.eu/>

## **EU-OSHA reports and factsheets**

<http://osha.europa.eu/publications/>

## **Links to good practice resources**

[http://osha.europa.eu/good\\_practice/person/young\\_people](http://osha.europa.eu/good_practice/person/young_people)

## **Resources on mainstreaming OSH into education**

<http://osha.europa.eu/en/topics/osheducation>

## **Preventing risks in the education sector**

<http://osha.europa.eu/en/sector/education>

**Thank you for your attention!**

