Globalisation and the changing world of work

Brussels, 9-10 October 2013

Sergio Iavicoli – MD, PhD
The changing workforce ...

Source: G. Pellizza da Volpedo, The Fourth State, 1901
The changing world of work...

Priorities of OSH research in Europe: 2013-2020

Demographic change
Globalization
Changing world of work
New technologies
New substances

PEROSH, 2012
EU-OSHA, 2007; 2009

Mario Ceroli, The Fifth State, 1984
Globalization and world of work

GOVERNMENT

- Local Communities
- Employees
- Consumers

Corporations
Employers

Trade Unions
Multinational Corporates
NGO Int.
OECD
Supranational Organizations
United Nations

Source: modified from Rantanen
Strengths
- Global Trade
- New Jobs in new areas
- New technology
- Communication
- Competent experts & Research
- International and regional legislations and standards
- Quality and competence of workers
- Intergovernmental Organizations
- EU Social dimension

Weaknesses
- Fragmentation
- Incontinuity
- Job insecurity
- Dilution of social dimension
- Gaps
- New technology risks
- Increasing social risks
- High injury and disease burden
- Decline of services

Opportunities
- Better availability and use of technologies
- Expansion of communication and information
- Growing knowledge of risks
- New enlightenment
- Transparency
- Global governance and collaboration
- WTO rules
- Good examples, benchmarks

Threats
- Constricting government
- Turning back to high risk policies
- Social dumping
- Diluting competence
- Economic loss, growing poverty
- Social unrest

Source: modified from Rantanen
The impact of innovative technology on occupational risks

Old JOBS

New

Old

New

RISKS
OSH contribution to sustainability in a changing and globalized world of work
### A Comparison: Nanotechnologies
#### European framework programs

<table>
<thead>
<tr>
<th>Framework program</th>
<th>Number of projects</th>
<th>Total cost</th>
<th>EU contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 projects</td>
<td>total cost 9,986,952</td>
<td>EU contribution 7,019,153</td>
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<tr>
<td>8 projects</td>
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<td>EU contribution 11,557,710</td>
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<tr>
<td>13 projects *</td>
<td>total cost 7,144,868</td>
<td>EU contribution 6,189,770</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Number of projects</th>
<th>Total cost</th>
<th>EU contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 projects</td>
<td>total cost 2,893,493</td>
<td>EU contribution 2,420,718</td>
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<tr>
<td>15 projects</td>
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<td>10 projects</td>
<td>total cost 29,985,403</td>
<td>EU contribution 20,964,837</td>
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</tbody>
</table>

* Projects funded until September 30th, 2012

### Psychosocial hazards

- Global budget: 14,960 million euro
- Global budget: 19,113 million euro
- Global budget: 53,272 million euro
OSH sustainable development

- Social
- Economic
- Viable
- Equitable
- Bearable
- Sustainable

Environment

Occupational Safety & Health

Source: modified from Johann Dréo. Sustainable development, 2006
Closing the gap...

Source: modified from Fair Society, Healthy Lives, Marmot