



**DGUV**

Deutsche Gesetzliche Unfallversicherung  
Spitzenverband

# Return on Prevention: An International Study – Calculating the International Return on Prevention



**issa**

## 3 Pillars for Prevention



Law



Source: © Fotolia

Ethics



Economic

A wide, light gray double-headed arrow pointing left and right, spanning across the bottom of the three pillars.

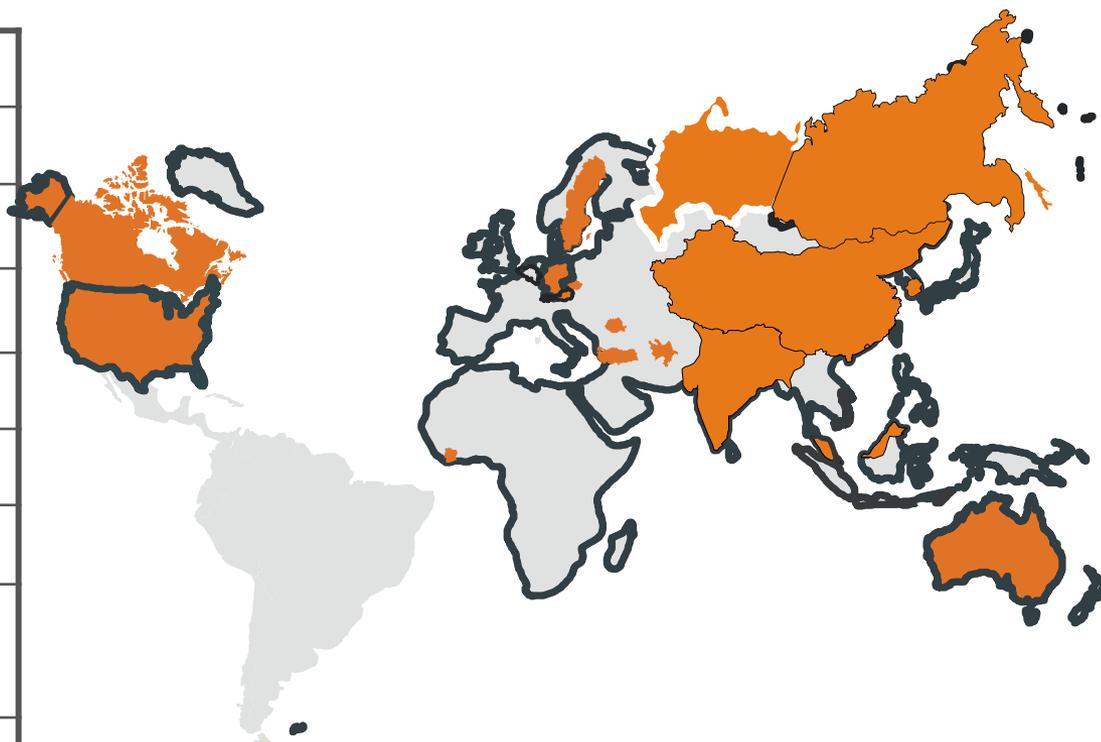
tools for prevention

## Partner



## Participating Countries

Azerbaijan	Australia
Austria	Canada
Germany	Hong Kong
India	Ivory Coast
Malaysia	Romania
Russia	Singapore
South Korea	Sweden
Switzerland	The Czech Republic
Turkey	USA
Vietnam	



## Research interest

- Occupational safety and health (OSH)
  - Social and macroeconomic benefits ✓
  - Microeconomic benefits ?
- Return on Prevention (ROP)
  - sunk costs ↓ € ↑ worthwhile investments?
- Direction and strength



Source: © Butch/Fotolia

# Concept



Source: © IAG

- National coordinators
- Training
- Data statistically analysed

## Results (1)

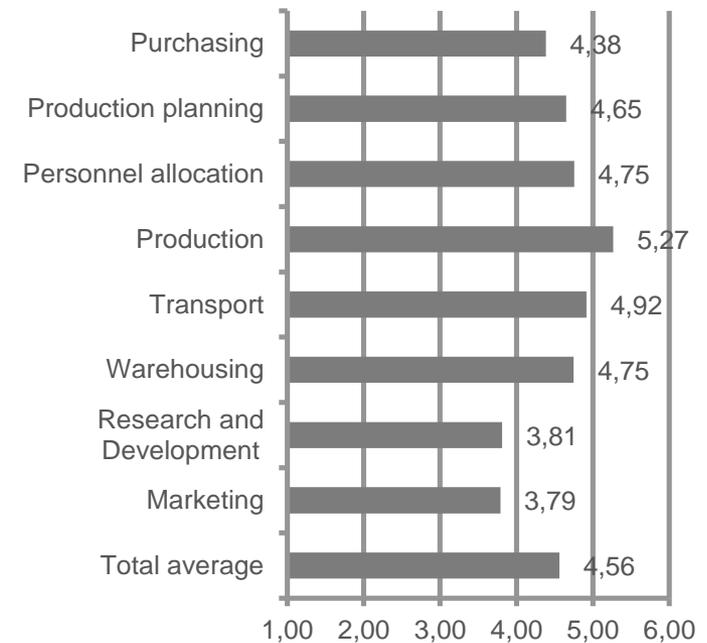
Cost-benefit ratio (Return on Prevention) of OSH

$$\text{RoP} = 2.2$$

Potential not a guarantee !!!

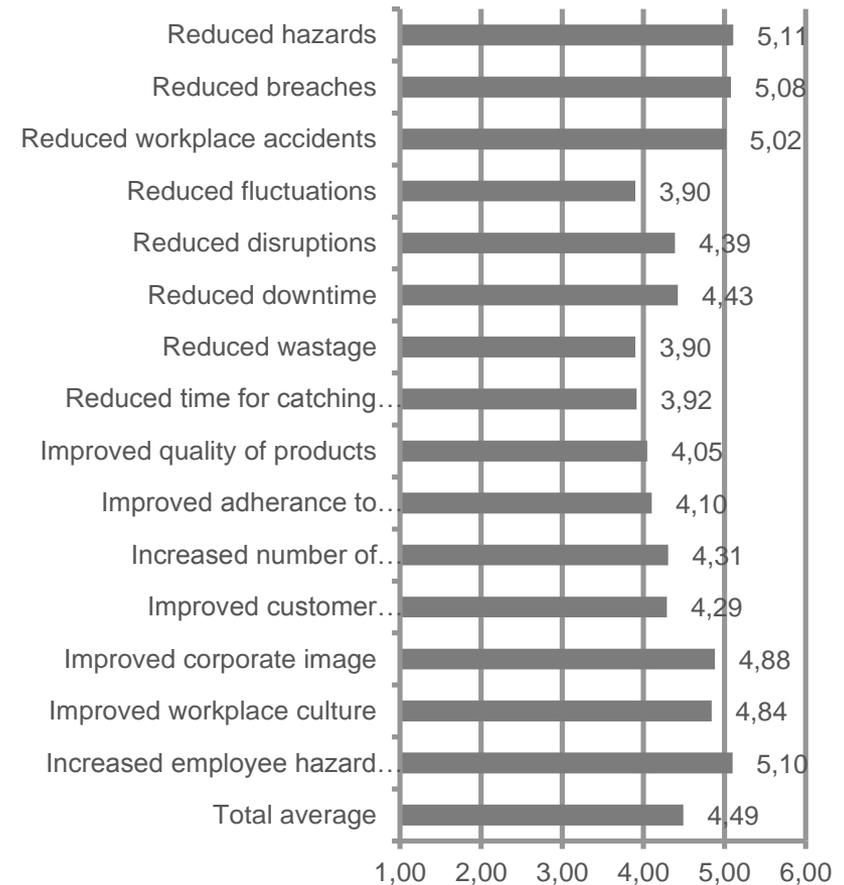
## Results (2) Impact of OSH in company areas

- Personnel allocation
- Production
- Transport
- Warehousing



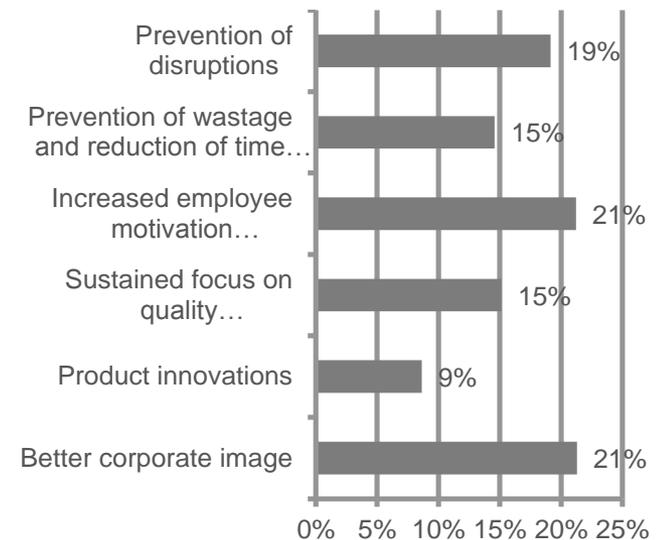
## Results (3) Effects of OSH within the company

- Reduced hazards
- Reduced breaches
- Reduced workplace accidents
- Increased employee hazard awareness



## Results (4) Significance of different benefit types of OSH

- 19% prevention of disruptions
- 21% increased employee motivation and satisfaction
- 21% better corporate image



## Results (5)

### Further data analysis

- Large companies tended to rate the effect of OSH as higher than smaller companies
- Asian companies tended to rate the impact/effect of OSH as higher than companies in Europe
- $\approx 75\%$  companies  $\Rightarrow$  additional investment in OSH costs will be the same or decrease over the long term

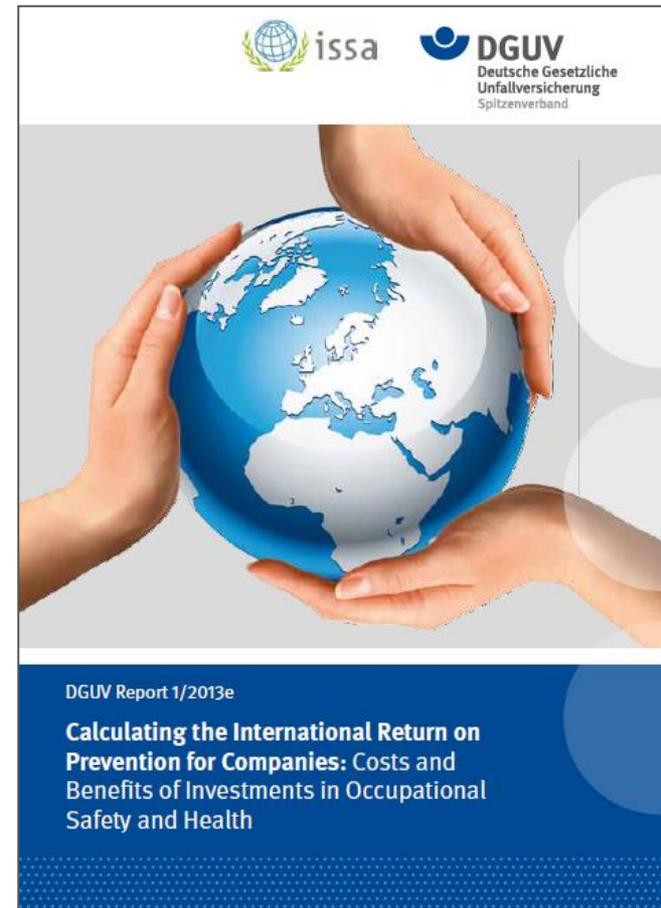
## Conclusion

Prevention accounting reveals the direction and the strength of OSH effects

- OSH prevention is an investment for companies and good for business success
- Future OSH policies must take this “prevention pillar” into consideration

More information:

[www.dguv.de](http://www.dguv.de) Webcode e143522



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