What I would like you to remember about prevention and automation

- Large scale prevention requires a multidisciplinary approach
- A multidisciplinary approach requires large scale automation
- Both are problematic for small scale prevention services
- Cooperation would be mutually beneficial in many ways
- Go for IT solutions developed and owned by prevention services

How to build a bike to explore new terrain?

Integrate specialized hardware parts to construct a flexible and performant all-terrain bike enabling you to explore where no one has biked before

How to build an IT system to boost prevention?

Integrate specialized software parts to construct a flexible and performant OHS&E IT system enabling you to prevent like no one has prevented before

Strategic gains:
1. Compete with success
2. Reduce administration
3. Optimize your planning
4. Network
5. Enforce your procedures
6. Control your quality
7. Improve your expertise
8. Disseminate your knowledge
9. Measure prevention efficiency
10. Scale advantage
1. Compete in a toughening market

1984
- paper medical files
- manual research on small groups
- topical manual reporting
- occupational health service only
- mono-disciplinary experts
- prescribed prevention tasks
- one-way interaction with government
- 100+ external prevention services

1996
- electronic medical files
- data mining on global data
- automated early-warning systems
- rich palette of prevention services
- multidisciplinary teams
- customers choose prevention mix
- bi-directional e-Gov & e-Health
- 14 external prevention services

1996 law puts the bar higher

2. Reduce administrative overhead

Communicating your work…
- telling who you are
- what you are doing
- when & where
- for whom
- with which results
- advising future actions
- over and over again
- to each party concerned

… is a lot easier with ICT…
- already planned for you
- pick from the planning list
- pick from a list of choices
- copied & sent automatically
- to authorized subscribers

Free your hands for your real task: tracking down and managing hazards

3. Optimize your planning

From ad hoc planning…
- 35,000 companies
- 600,000 workers
- 250 exam circuits
- 650 experts
- 365 calendar days
- legal obligations
- limited resources
- last minute changes
- = a huge puzzle!

…to what-if simulations & optimizations
- planning database
- networked planners
- real time apps
- simulation model
- do-it-yourself system
- cost control system
- optimizing agents
- automated follow up
- = a unique solution

IT helps you line up your priorities!

4. Network!

- correct identification & addressing
- enforcing exchange standards
- automatic notification of changes
- central repository of vaccinations
- work accident reporting
- occupational disease reporting
- exposure vs. morbidity research
- secure information exchange

5. Enforce your best practice procedures

From happy chaos…
- missing observations
- unstandardized results
- low quality data
- unconvulsive research

by software-guidance…
- complete data sets
- exchangeable results
- validated data
- scientific guidelines

IT coaches your rookies!

6. Control your quality
7. Harvest and refine your expertise

- Register your prevention work
- Measure prevention effects
- Analyse registrations
- Distill best practices
- Formulate expert advice
- Establish business rules

Enrich system with expert advice
Add business rules into expert system
Collect changes applied by the experts
Analyse changes
Refine best practices
Feed back into system

Result: a learning, self-improving system that assists you with your prevention work.

8. Disseminate your knowledge

- Harvest and refine your expertise
- Enrich system with expert advice
- Add business rules into expert system
- Collect changes applied by the experts
- Analyse changes
- Refine best practices
- Feed back into system

Prevention results:
- Reduction of sickness absence
- Better quality of life
- Prevention of complications

9. Measure prevention efficiency

- Automated periodic surveys
- Early warning systems
- Peer group comparisons
- Significance calculation
- Trend detection
- Quality surveillance
- Outlier detection
- Dashboard tables
- Data mining
- Research seeding
- Arguments for more prevention

10. Scale advantage: Turnover – Wages – ICT investments

- New legislation on Wellbeing @ Work
- ICT investments

10. Scale advantage: evolution of Turnover

R² = 0.5064

© IDEWE. "Integrated ICT solutions strategically boost prevention practice"
10. Scale advantage: ICT investments fraction of Total Expenses

Building the automation pyramid from the bottom up takes time effort people, creativity, resources, investment commitment...

Shopping for ICT solutions is dangerous: markets dry up, vendors quit, systems age...

"Integrated ICT solutions strategically boost prevention practice"

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Collaboration between prevention services = Key!

Group IDEWE is committed to prevention automation for the long haul!

Message: together, we could innovate even faster!

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