

# Promoting and Maintaining Workability (PMWA) as an Approach on Well-being at Work for an Aging Workforce in Finland

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  - "Age management"
  - Life course and support for critical transitions
- Benefits of the PMWA

## The "why" of the "Promotion and Maintenance of Work Ability (PMWA)" – strategy in Finland I

#### **Demographic change**

- aging work force and economics
- sustainable careers
- •lack of young ones competition
- transfer of tacit knowledge
- •competence ← matching skills with task needs, life long learning

#### Fast turbulent changes and new technologies

- •JOT, intensification, "mosaicism", outsourcing,
- Cognitive and emotional coherence at work
  - ← mental stress and strain due to "borderless" jobs
- productivity expectations and relation to wellbeing
- •demands for collaboration at work



•need for adjustments, flexibility needs

### Changed values and expectations among work force

- appreciation, participation and influence
- •fairness, confidence, flexicurity, leadership
- work and life balance

#### **Maintenance of employability**

#### ← increased "vulnerability"

•females, workers in reproductive age, young and elderly people, handicapped and people with chronic diseases, unemployed, insufficiently trained, ethnic groups



### Why was PMWA developed and introduced in Finland since late 1970's II?

(Ilmarinen 1999)

#### Support from longitudinal research results (since 1981):

- → Mismatch between man and work varies with age and work
- → Work ability varies widely between branches and trades
  - → work should be adjusted for humans
  - → flexibility is needed through the life course
  - → new abilities are needed for more "communicative" info-jobs

### Retired, temporary hindered and unemployed have work ability still

- → return to work needs support
- → employment rate should be increased

### Problems to appear:

 agriculture and forestry, pulp and paper- and metal industries, transportation, construction, social services

### Annual physical capacity changes and age

- muscular strength decreases c. 0.8-5.0 %
  - 1,5 2 % among 65+
  - women > men
- oxygen uptake decreases c. 0.5-1.5 %
- mobility (motion) decreases c. 1.0 %
- BMI (body weight) increases c. 0.5 %
- -> Average decrease of capacity c. 1%/year

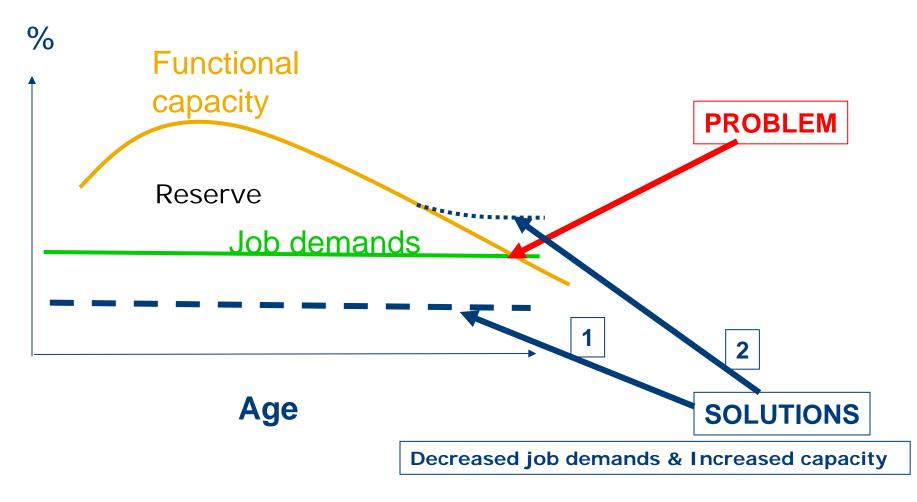
### Why was PMWA developed and introduced in Finland since late 1970's III?

(Tuomi 2005, Ilmarinen 2007)

#### Support from longitudinal and other research results II:

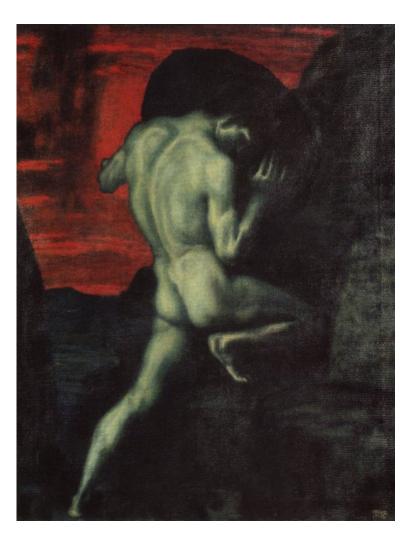
- Workplace has a role in supporting work ability and health
  - well organised work, open communication and collaboration
  - opportunities to develop and influence
  - leadership and support
  - · managing over- and underloading
    - physical, psychological
  - managing conflicts and insecurity at work
- Supporting work ability and health improves also the success of the company
  - well organised work and team work
  - opportunities to develop and influence
  - leadership and support

### Work, functional capacity and age (Ilmarinen 1999)



### Example: - Health as the situation of Sisyphus

(Per Hjort; painting: Franz von Stuck)



#### Stone = individual health

- subjective value of health
- health deficiencies

#### Sisyphus = individual resources

- functional capacity
- skills and competence
- attitudes and motivation

### Slope of the mountain = social and situational conditions

- environment, exposures
- adjustments
- help and support from other
- opportunities

### Why was PMWA developed and introduced in Finland since late 1970's? IV

Health promotion was required in addition to the prevention activities!

#### **Prevention**



#### **Promotion**

- risk factors
- environment
  - causal relationships
- incidence, prevalence, mortality
- population/risk group
- object for expert action
- outcomes

- determinants of health
- settings, context
  - wide range of motives
- health, well-being, quality of life
- population/supporting networks
- empowered people in empowered co – operative community
- processes, impact



## Why the PMWA concept has been accepted rapidly in Finnish work places?

## Promotion and Maintenance of Work Ability (PMWA) - Definition -

- Workplace activities aiming at promoting and maintaining the ability to work
  - include all measures,
  - that the employer and the employees as well as
  - the co-operative organizations at the workplace make in a united effort
  - to support the ability to work and to enhance the functional capacities of all persons active in working life
  - throughout their working careers
- → Two-Partite Consensus with recommendation 1990
- → Obligatory (employers duty) legislation 2001

### The process of implementing the national programme on PMWA: National policy and strategic background

#### The governement prioritized the "Age Question":

- Committee on prerequisites for ageing (45+) to be employed.
- National Programme on Ageing Workers (1998-2002)
  - recommendations into practice: 'experience is a national treasure'.
- Finnish EU Presidencies (1999 and 2006)
- Ministry of Social Affairs and Health strategy:
  - support people to stay at work and to increase their work ability
- Ministry of Labour:
  - employment rate among (55-64) year 2010 up to 50 %
  - to raise the pension age by 3 years and
  - employment rate would be over 60%
- Ministry of Eduction:
  - training and education of less skilled workers

### The process of implementing the national programme on PMWA II: Legislation

### Working conditions should be designed according to the worker (duties of the employer!):

- Occupational Safety and Health (OS&H) Act (1972 →)
  - personal capacities of the workers, such as age and vocational skills must be taken into account in the occupational safety
- Occupational Health Service (OHS) Act (1979 →)
  - maintain, promote and monitor health, working capacity and functional capacity of employees during work careers
- Working Hours Act
  - permits reduced working hours based on fatigue and reduction of work efficiency caused by aging.
- The Equality Act
  - active measures and plans; annual personnel and training plan
  - obligatory report on procedures, when discrimination is suspected
- Act on Codetermination in Companies:
  - Personnel and training plans: attention to the special needs of ageing workers

### The process of implementing the national programme on PMWA: Implementation through national programmes I

### Respect for the Ageing (FinnAge) (1990 – 1996)

- case studies, good practices, cooperation within companies
- attitude change of employers and employees to respect ageing
- Private industry
- rescheduling work shifts, reduce of physical work-load of aged,
- improving cooperation between young and old,
- participative job redesign (teamwork)
- development of a work ability index.
- Public sector (fire-fighters, police officers, vehicle inspectors, professional cleaners and teachers)
- job demands and mental, physical and health capacities for work.
- Municipal sector (ageing home care workers, pipe and rail fitters, health care workers)
- ergonomics and lifestyle, treatment of low back pain, shift work
- training approaches for ageing workers with low computer skills

### The process of implementing the national programme on PMWA: Implementation through national programmes II

- 1996 Cabinet Committee: Ageing people at work
- 1998-2002 National Programme for ageing workers
  - strengthen the status of aged on labour market, employability, stay at work.
  - · legislative, scientific and educational approaches, media campaign and training
- The Well-Being at Work Programme 2000-2003
  - promote working capacity and competence, and well-being at work.
  - address the high stress levels revealed by work climate studies.
- The National Workplace Development Programme (1996 )
  - boost productivity and the quality of work life and use and development of staff know-how and innovative power
  - develope human resources and organizations to reform their modes of operation with workplace-initiated projects,
  - · co-operation networks to disseminate and build up knowledge and competence
  - in focus: new forms of management, work and work organization and cooperation skills.
  - team work and empowering methods of management, increasing multi-skilled workforce, improving coping at work and building networks between companies
  - managements and employees take part in planning and carrying out the projects

### The process of implementing the national programme on PMWA: Implementation through national programmes III

#### National Productivity Programme 2000-2003

- functioning of work communities, productivity, competitiveness and to raise the employment rate and level of income.
- improve and utilise competence of employees throughout their career,
- productivity of SMEs in the industrial and service sectors

#### VETO ("Attraction") (2003 – 2007)

- "National action programme for the continuation of staying on at work, employee well-being and rehabilitation"
- OHS, OS&H inspectors and service providers, and rehabilitation institutes.
- · work ability and prevention of marginalisation from work life,
- prevention of premature work incapacity, improve opportunities to return to work.

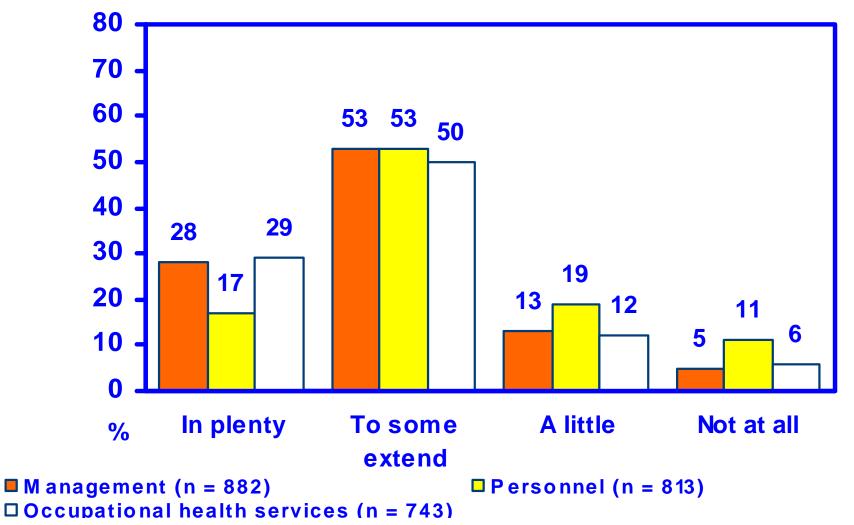
#### NOSTE ("Lifting") (2003 – 2007)

- "Improve the employability, career prospects and staying at work among the least educated adults"
- improvement of employed and entrepreneurial skills
- training of unemployed less skilled people for attaining professional examination, and training in computer literacy, including aging people.

#### KESTO ("Sustain") (FIOH) (2003 – 2007)

- "Sustainable Work Career Development Programme 2003-2007"
- research for work ability, attractiveness of work life, and social inclusion.
- "Age and change management" training in leadership training institutes

### The quantity of PMWA in Finnish workplaces



Prof. M Ylikoski, FIOH / 18.6.2008



The Finnish PMWA concept and praxis

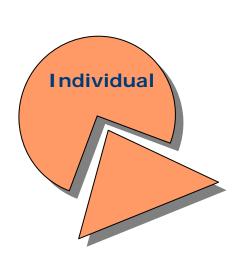
## Definition of work ability and PMWA Work Ability: the change of the focus

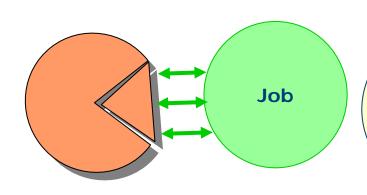
from handicap via balance model towards a multifactorial PMWA approach

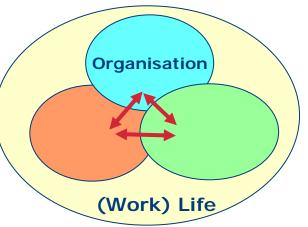
Individual with a handicap

Individual with limited abilities in regard of job demands

Individual in the work life context and "system"







Medical invalidity

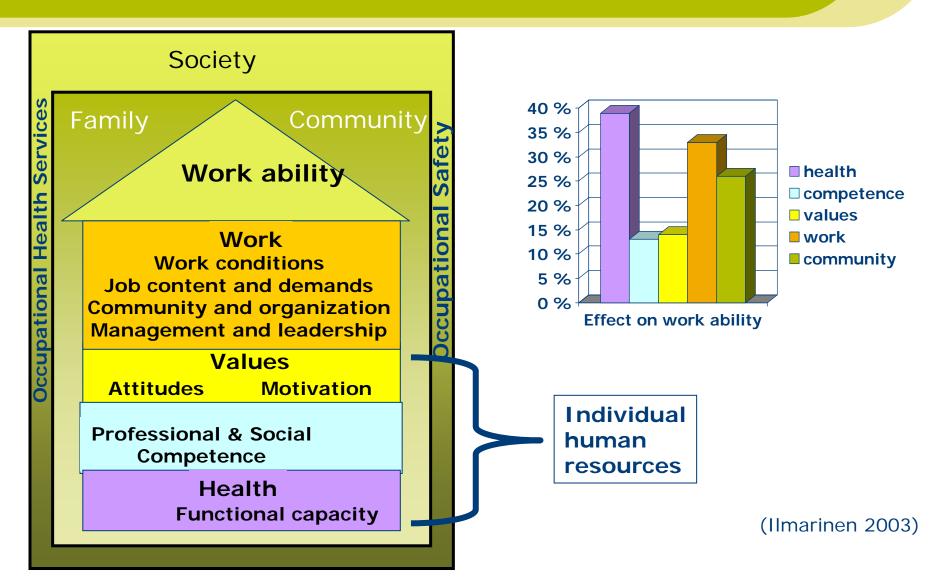


Disability



Bio - Psycho - Social "residual" work ability

## The PMWA model I: Work ability is always related to the demands of the work - dimensions of the work ability



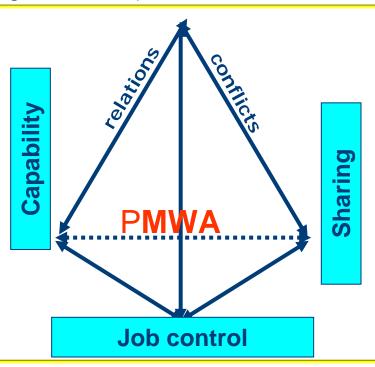
#### The PMWA model II:

targets of activities at workplaces (examples)

**Individual abilities:** personal resources and health: functional capacity/hardness (physical, mental, cognitive, social), self initiative, health behavior and life style

Work and work
environment/conditi
ons: physical &
mental loads: work
distribution and
processes,
ergonomics, design
(postures and
movements, work
spaces and tools)
exposures, occup.
hygiene & safety,

organization of work

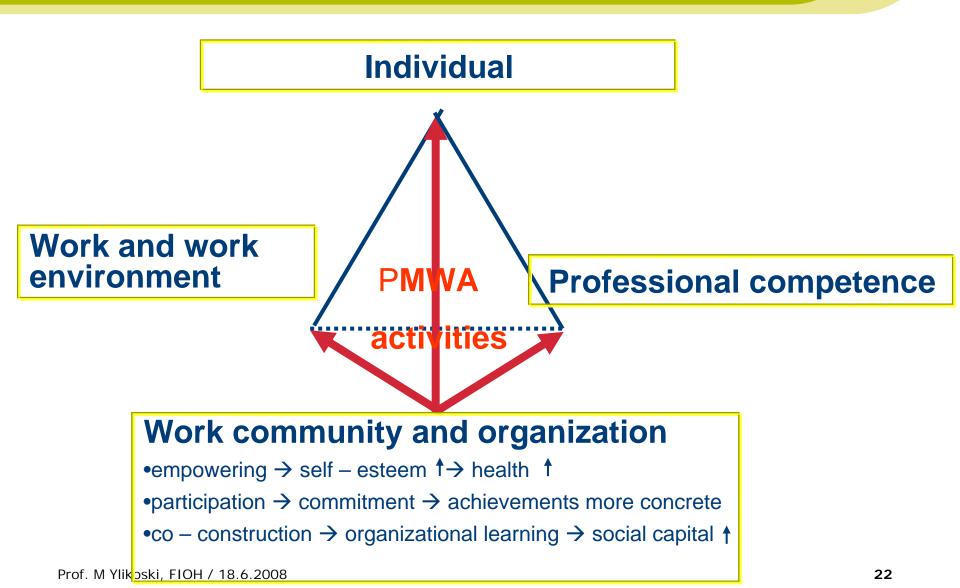


Work communities and organizations: values, attitudes, management principles: leadership, cooperation, climate, workplace's HR practices, social support

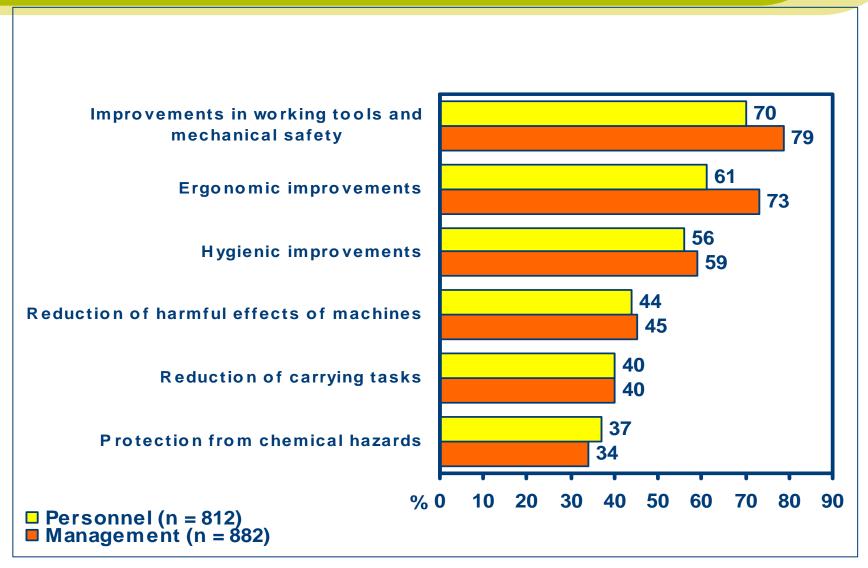
- organizational development
- team building
- work arrangements
- schedules, job hours

Professional & social competence: skills, competences & attitudes: abilities to influence, to learn and to develop at work (multi-skills, new technology and social skills), role balance, employability

## The need assessment and the organizational development axis in the PMWA model III -" two flies with one hit"



### Improvements made in working environment in Finnish workplaces during the previous 12 months



### Important reasons for staying at work until statutory old-age retirement by age groups?

- Over 55 (n=105)
  - decrease in workload and haste, 69 %
  - more opportunities for rehabilitation, 64 %
  - better health care, 57 %
- Age 45-54 (n=420)
  - decrease in work load and haste, 70 %
  - more opportunities for rehabilitation, 64 %
  - more challenges in work content, 59 %

- Age 35-44 (n=380)
  - more challenges in work content, 75 %
  - decrease in work load and haste, 71 %
  - better leadership practices,67 %
- <u>Under 35</u> (n=272)
  - more salary, 75 %
  - more challenges in work content, 74 %
  - more opportunities for education, 71 %



### **Some tools in PMWA**

#### What means "Age Management"?:

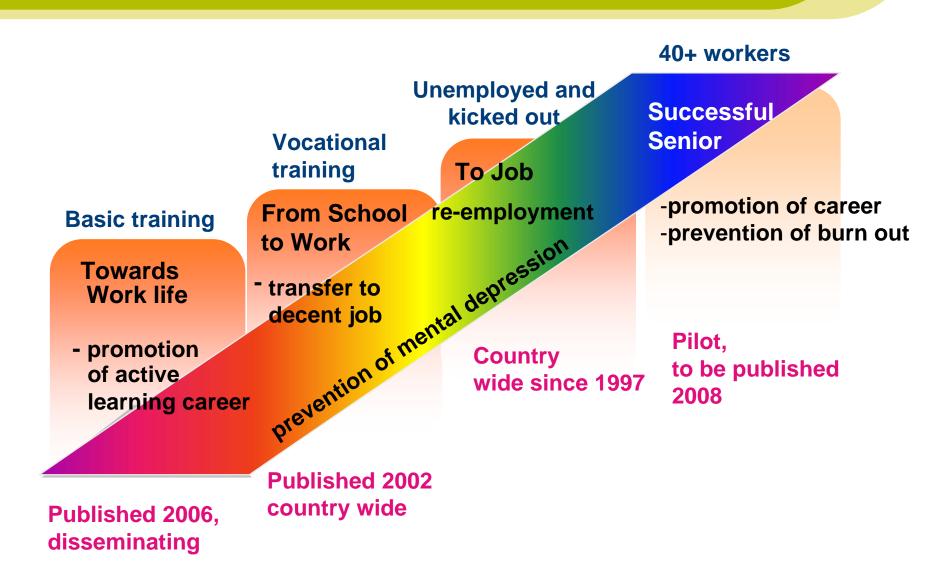
A comprehensive approach that strategically encompass a wide range of different coordinated measures

#### Taking into account:

- workers age and
- age related factors in all ages and transfers at work from recruitment to transfer to retirement
- 1. In daily management,
- 2. In organisation of work, and
- 3. In work place adjustments and work challenges

With the aim, that everybody – independently of the age - is able to achieve his or her personal goals and the goals of the organisation

## Supporting career through the whole life course





### **Benefits of the PMWA**

### Scientific results on the benefits of PMWA (Elo et. al. 2001)

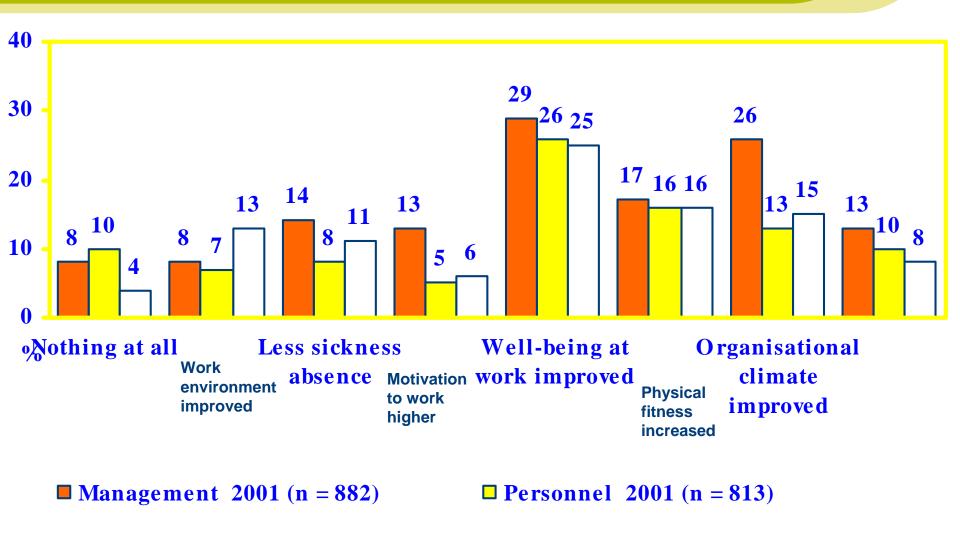
### Most "explaining" variables for the "successful" PMWA programme:

- 1. Comprehensive approach (all four dimensions!)
- 2. Goal oriented process with a responsible coordinator (OHS, HR, OS&H)
- 3. Need assessment
- 4. Participatory approach
- 5. Commitment, participation and support of management
- 6. Personal skills of the actors
- In a number of PMWA projects in SMEs in Finland positive results have been achieved, especially regarding:
  - collaboration in work communities and
  - psycho social environment of work places

### Economic appraisal of the promotion of well – being in enterprises.

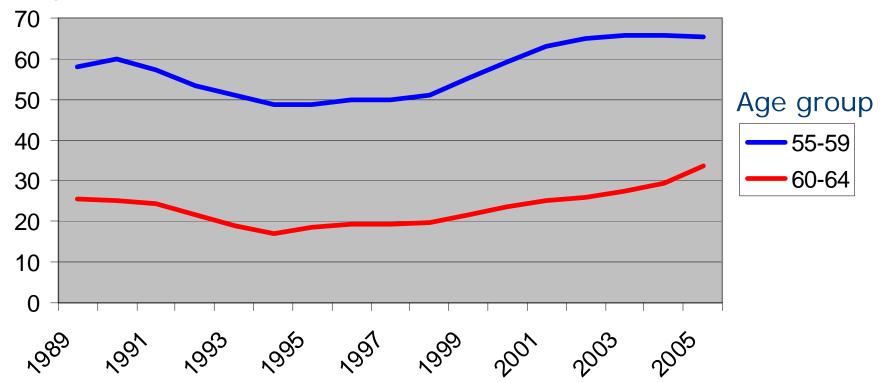
- SME companies (n: 200), different branches)
- Benefit / Cost ratio: from 3 to 20
- Benefit: Reduction of absenteeism and work incapacity 50%, increase in productivity 50%. (Bergström and Ahonen 2000, Pelletier 1999)
- "Metal Age" Fundia Ltd: Promotion of well being increases the effective working time, job satisfaction and productivity:
- Return On Investment (ROI): +46% /year.
- (Rissa K: Well-being creates productivity, 2007)
- Finnish Railroads PMWA Programme:
- Sickness Absenteeism 2003 2007: from 14% → 6,2%
- Most beneficial projects:
- 1. Focused on clearly districted targets
- 2. Wide and comprehensive company programs. (Ahonen 2007)

## The positive effects of MWA at Finnish workplaces during the previous 12 months



### Increase in the employment rate of ageing workers

#### Employment rate



**Statistics Finland 2006** 

## PMWA Activities in Finland - evaluative summary

- Amount of PMWA quite high
- Versatile content of PMWA
- High confidence to economical benefits
- Good cost and benefit ratio
- Many positive effects
- Assessment of PMWA needs have been increased
- Follow-up of cost-efficiency of PMWA have been increased
- The role of OHS significant
- In some degree PMWA for aging workers
- SMEs need more support

### More information: www.ttl.fi



