

Handling dangerous goods: safe and effective

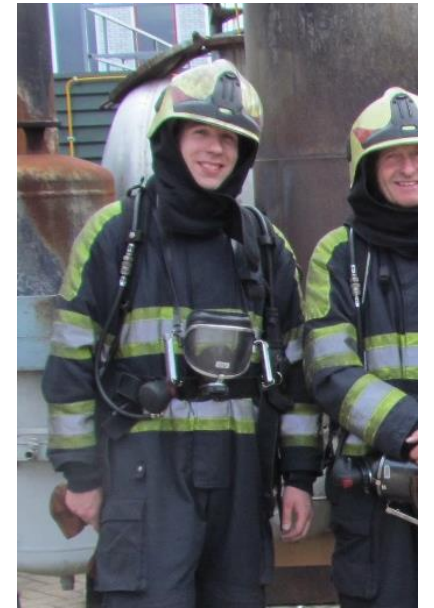
An experiment

Vse pravice so pridržane. Gradiva ni dovoljeno razmnoževati in razpošiljati v kakršnikoli obliki brez predhodnega pisnega dovoljenja avtorja in Ministrstva za delo, družino, socialne zadeve in enake možnosti. Citiranje je v skladu z Zakonom o avtorskih in sorodnih pravicah, dovoljeno z navedbo podatkov o viru.

2nd International
Conference OHS
Slovenia 2019

■ Arnoud van Vliet

- Sergeant, Central Unit
- Specialist in the transport of dangerous goods
- Dangerous Goods Safety Advisor ADR, ADN and RID (DGSA).
- Specialist in measuring private cargo spaces on hazardous gases.
- Graduated in Health Physics level 5B (radioactive substances)







POLITIE

**Part 1:
Dangerous goods legislation in
relation to the safety of police-
officers**

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« waakzaam en dienstbaar »

The Netherlands



The Netherlands

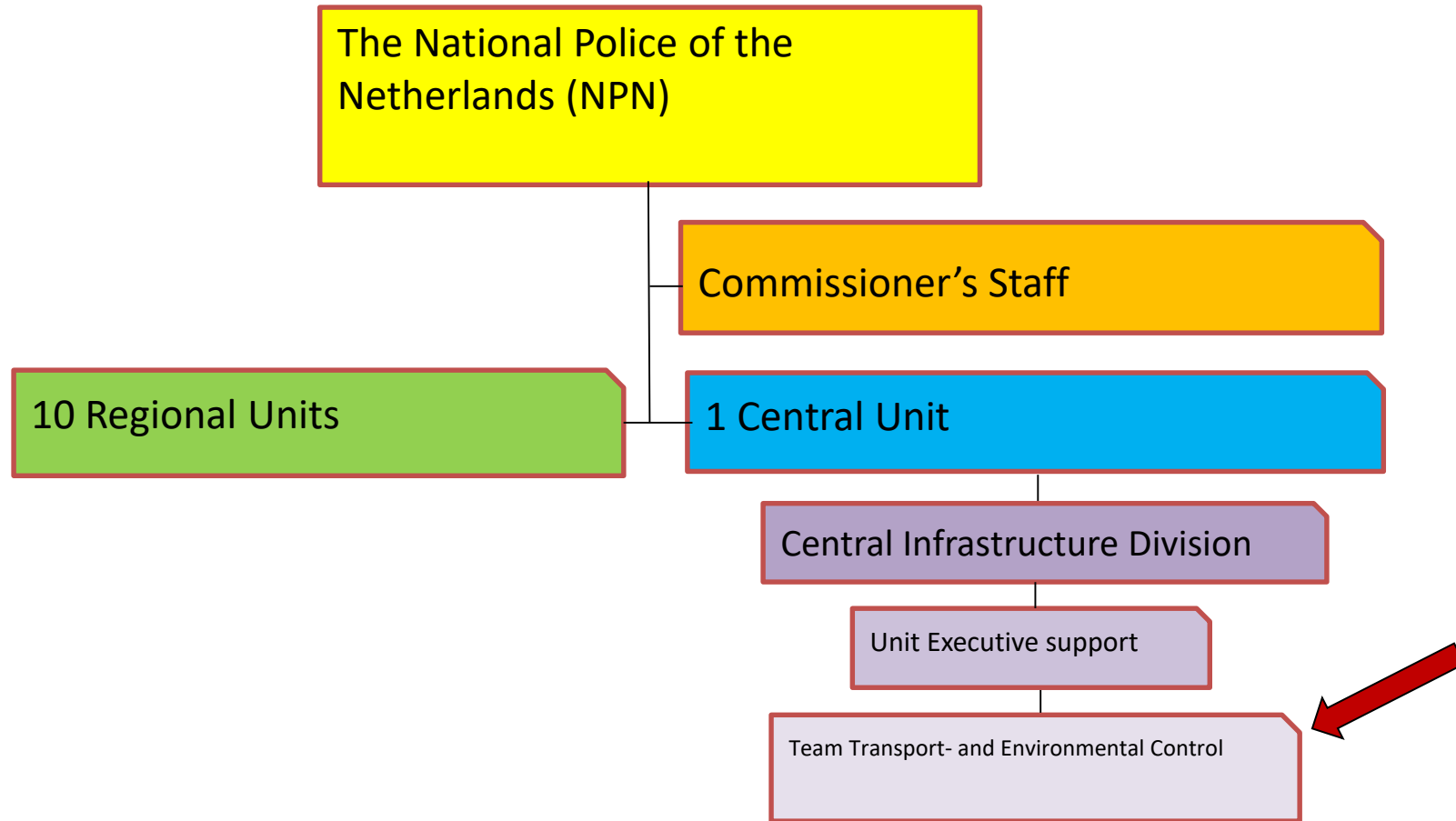


Content

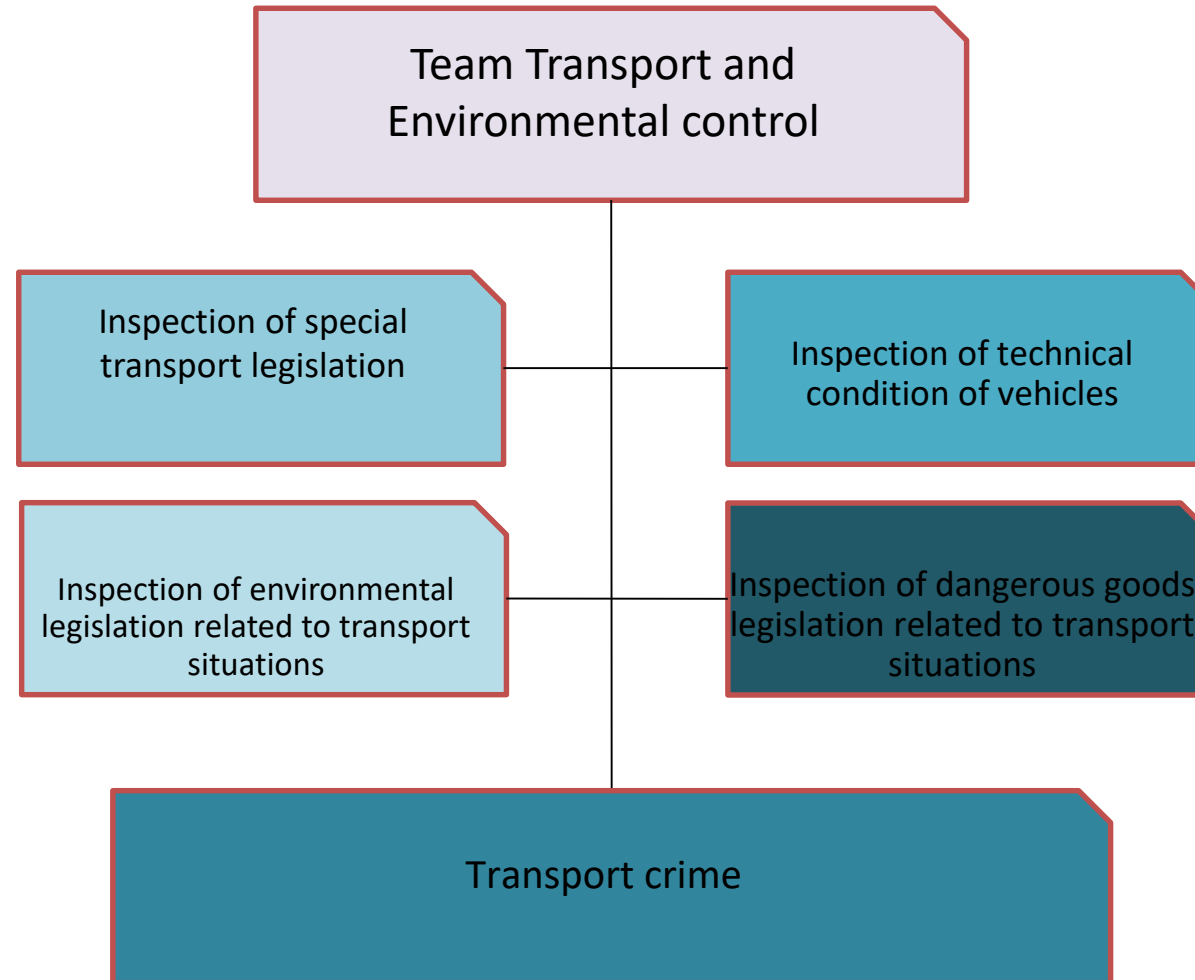
- Incidentmanagement Transport of Dangerous Goods
- Inspection transport of dangerous goods
- Gasmeasurement



Dutch National Police



Team Transport and Environmental Control



Incidentmanagement Transport of Dangerous Goods



Instruction guide

Handreiking Incidentmanagement
bij verkeersongevallen met
gevaarlijke stoffen
Informatievergaring en -uitwisseling in de eerste 15 minuten



- Latest publication 2016
- Co-operation between government, carriers and industrie
- Instruction guide first 15 minutes



Emergency Services

Handreiking Incidentmanagement
bij verkeersongevallen met
gevaarlijke stoffen



Most important emergency services

- Fire department
Rescue, firefighting, measuring
- Ambulance
Healthcare
- Police
Secured area, evacuation, investigation, public order and safety
- Rijkswaterstaat (main infrastructure)
Redirect traffic, salvage of vehicles, road damage repair
- Municipality
Crisis communication, public care, information for relatives



Emergency Services (Police)

Most important tips:

- Keep distance (above the wind)
- Stay there!
- Do not touch anything!
- The barrier tape is no magical tape



Emergency Services (Police)

- The “normal” police-officers will work in the coldzone
- Special forces can act in the warm or hotzone



Inspection Transport of Dangerous Goods



Violation rate (road transport)

- Violation rate has been at 30 to 40 % for years.
- Varies from minor offenses to serious ones.
- Examples:
 - Offences related to transport documents;
 - Offences related to incorrect stowage;
 - Offences related to incorrect packages;
 - Tanks that have incorrect tank instructions or tank codes;
 - Leaking packages;
 - Leaking tanks.



DG inspection in The Netherlands

- Two major parties
- Human Environment and Transport Inspectorate
Part of the Department of Infrastructure and Water Management
Specialized knowledge of DG legislations.
- Dutch National Police.
Minimal knowledge of DG legislations



Visual inspection (gas measurement)

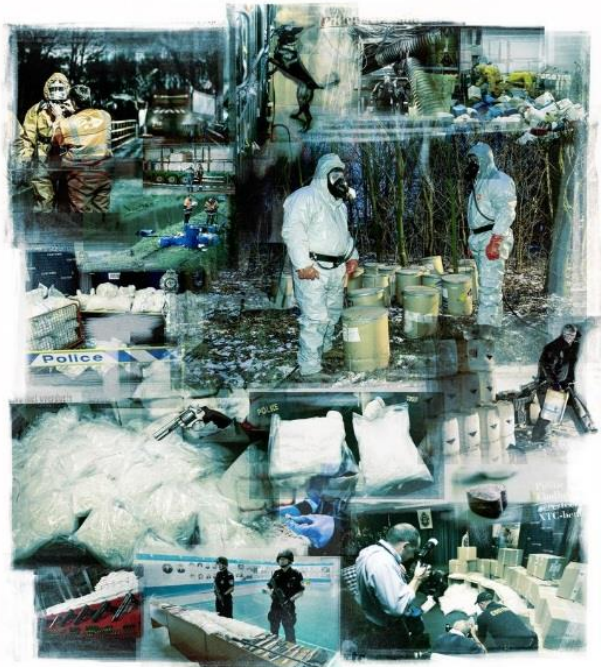


Visual inspection (gas measurement)

- Employer responsible to take action
- Graduated experts in the team
- Closed cargo transport unit (e.g. container, trailer)
- Measuring level of oxygen, explosion level and toxic gasses
- Independent air-breathing devices



The Netherlands and synthetic drugs



Cargo ship with drug lab in Moerdijk partially
sinks during dismantling



Practical: Waste of drugsproduction



Practical: Nitrous Oxide



Practical: Theft of fuels



Part 2: Collaboration works!



2nd International Conference OHS Slovenia 2019

Collaboration works!





I FEEL
SLOVENIA



Awareness



How to achieve health and safety together?

1. Awareness

- Already always listening

2. Soft skills and choice

- Powerfull professionals or mentally retired?
- Collaboration

3. "Vernieuwend werken"

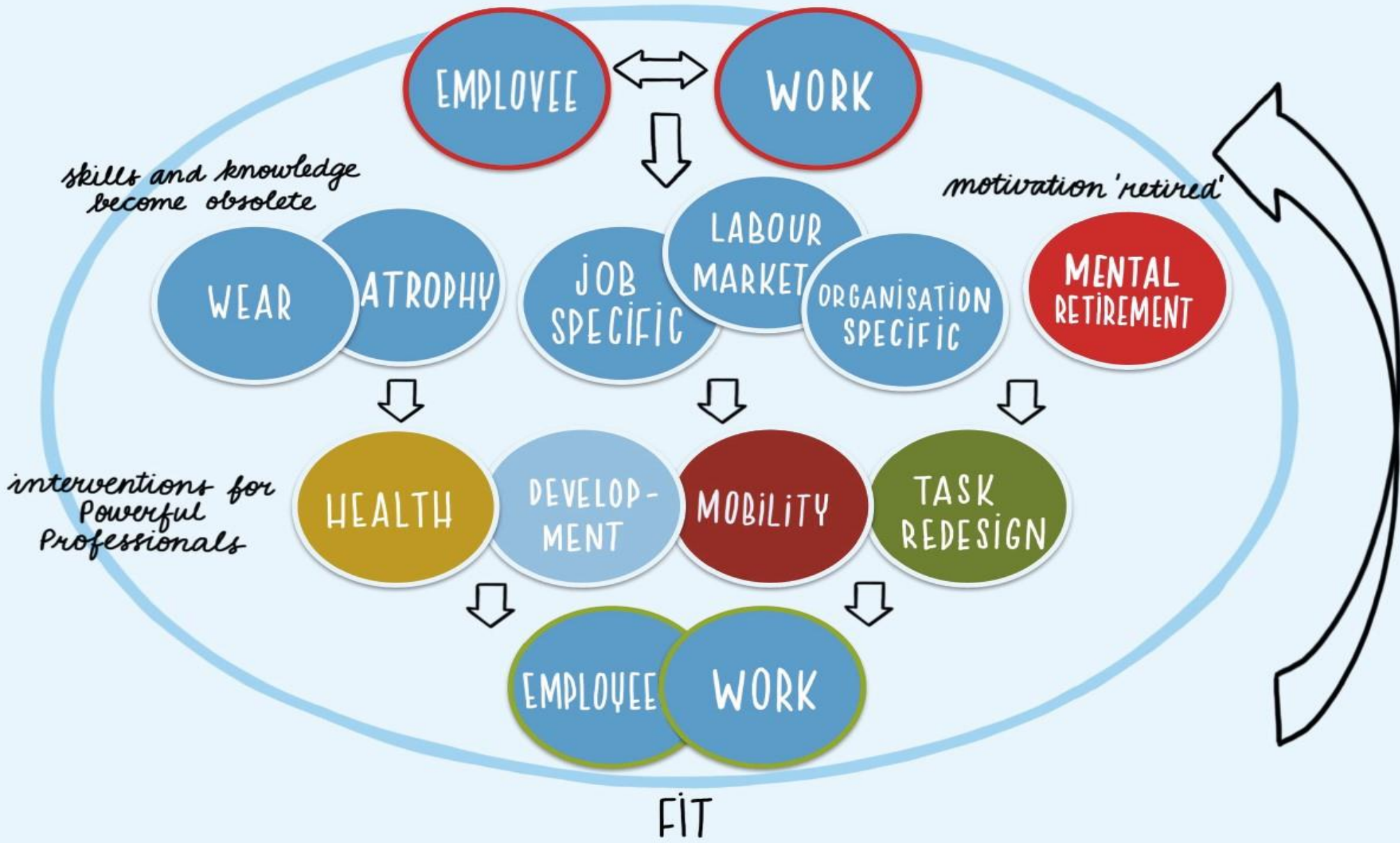
- What is needed?
- Choose your battles

4. Action



An aerial photograph of a railway track system in a dry, brown landscape. The tracks are made of metal rails on wooden sleepers and curve in various directions, creating a complex network. The ground is mostly bare earth with some sparse, dry vegetation. The overall tone is warm and somewhat somber due to the brown colors.

**THE CHOICE
IS YOURS**





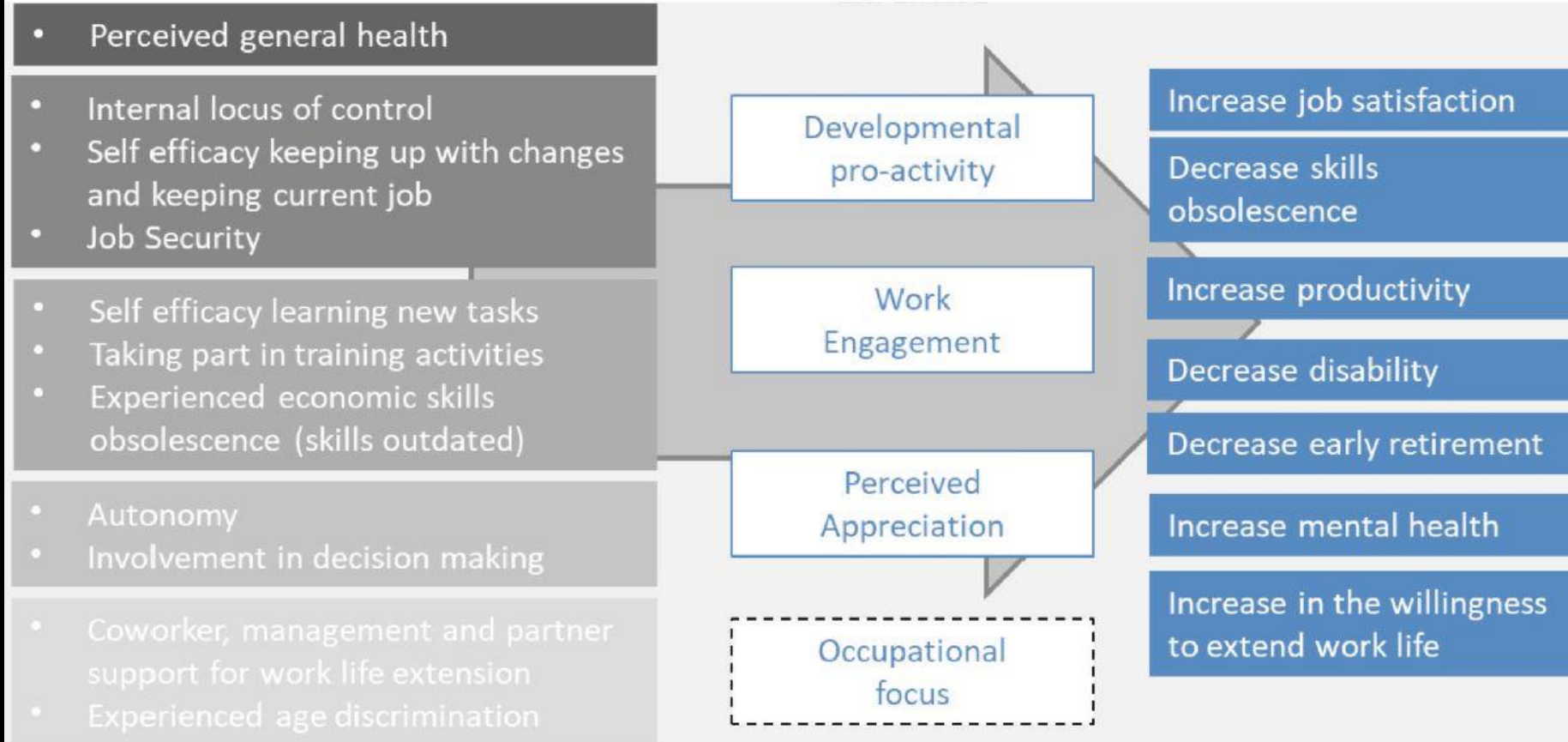
PREDICTORS



PROFESSIONAL EXPERTISE



EFFECTS



Honouring dreams and obstacles

From what you have heard today

- What opportunities do you see, do you want to take with you?
- What obstacles and concerns do you have?
- Which side has the upperhand, and what you do experience from that?



Effective use

1. From that experience
 - what could you contribute?
2. What action you take today?
3. What do you ask your chief?
4. What do you need from the organization?







Reactions and questions on this experiment?

