



RESEARCH INSTITUTE FOR WORK AND SOCIETY

# Enhancing Job Quality in the Digital Age



Ezra Dessers, PhD

Research Manager 'Work, Organisation and Technology' HIVA, KU Leuven

ezra.dessers@kuleuven.be





# SEAD

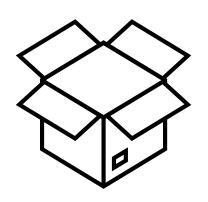
Sustainable employment in the age of digitalisation

https://sead.be/



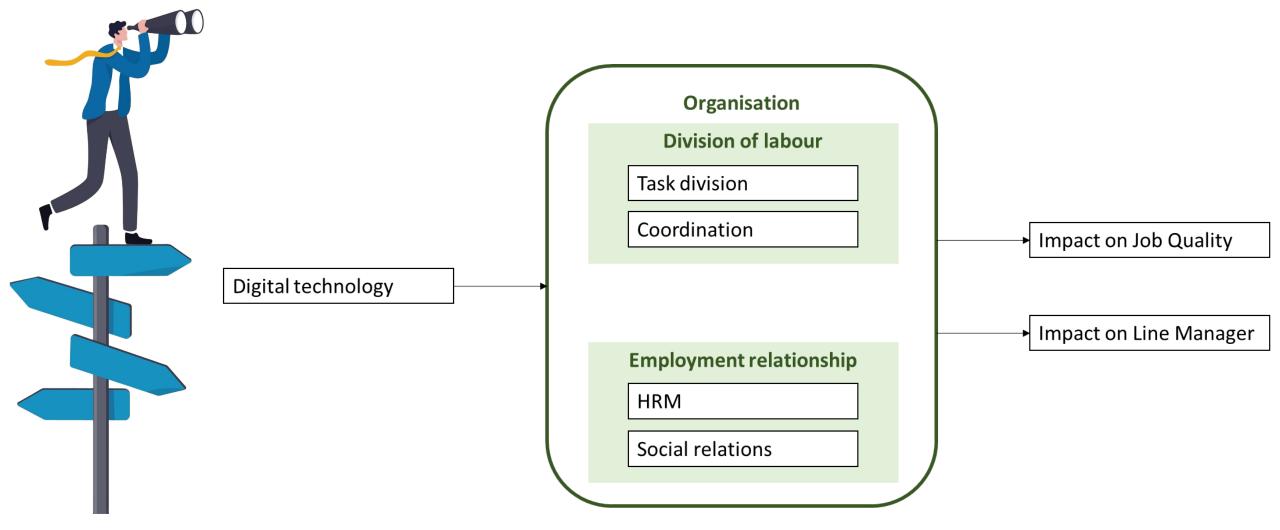






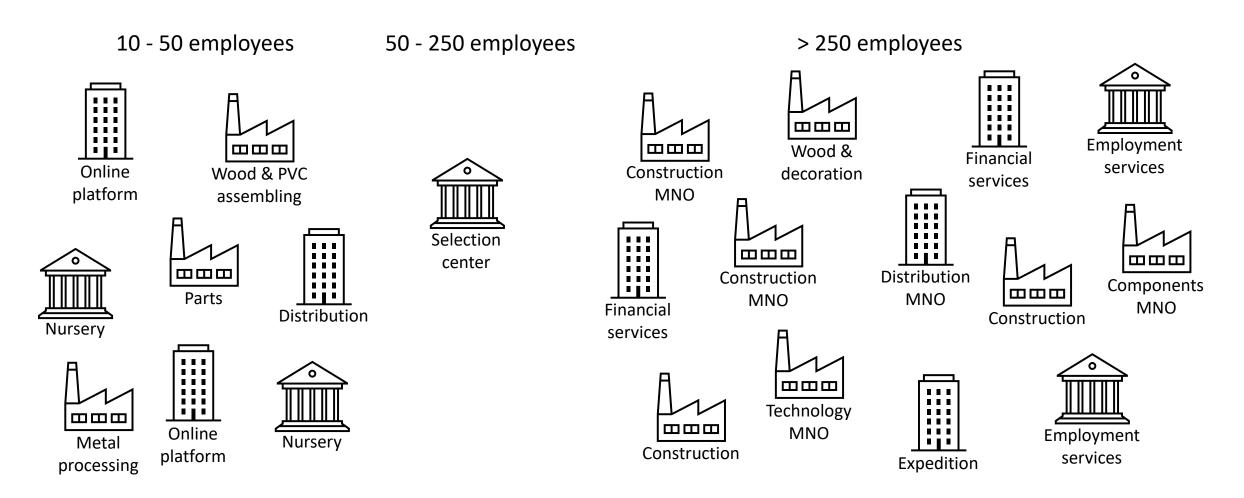
"Unpacking the organisational level"



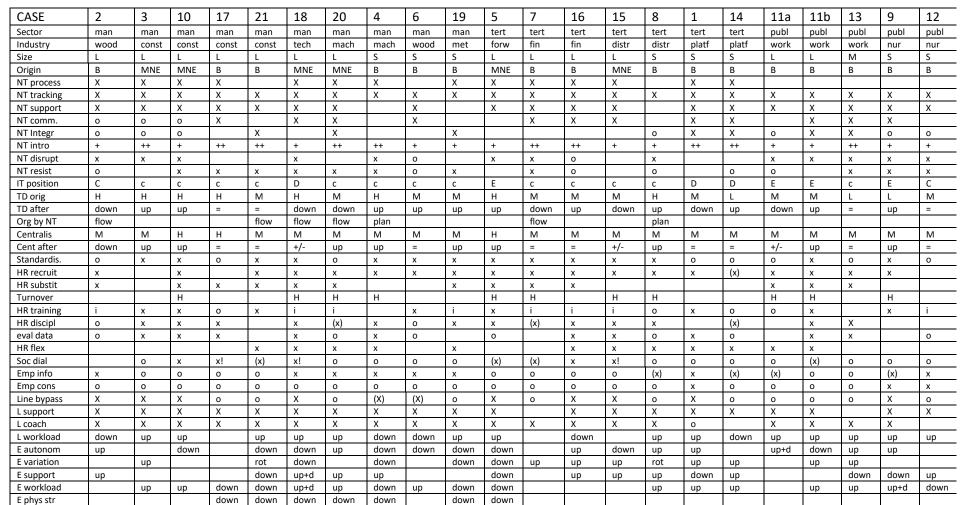


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#### 22 Belgian cases, from services 🎚 , industry 🕍 , and public 🏛 sector







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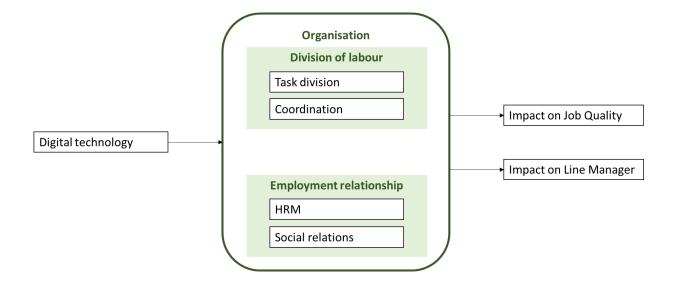
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# Comparison per concept

- Much variation!
- Findings
  - Technology: diverse!
  - Mixed impact on task division
  - Increased centralisation
  - HRM: Datadriven evaluation / focus on recruitement
  - Limited employee / union involvement
  - Line manager changing role
  - Job Quality growing gap





# Impact of division of labour?

- Digitalisation tends to foster more active jobs
- High or increasing level of labour division hampers this impact (leading to more passive job characteristics)
- High labour division related to increased task standardisation

- But
  - Not decisive factor for job quality
  - No clear relation to impact on line manager





# Actor approach

Three management strategies

**Top-down digitalisation** 

**Bottom-up digitalisation** 

Incremental digitalisation

Mainly large MNO

Mainly online platforms and knowledge orgs

Wide range of orgs



## In general, cases confirm...

#### **Positive elements**

- limited division of labour
- decentralised management
- competence management
- employee participation
- line manager as a coach
- sufficient autonomy, task variation and informal communication opportunities

#### **Negative elements**

- top-down imposed digitalization
- lack of change management
- differentiation between employees
  - some see job content improve
  - others at risk of facing either bore-out or techno-stress and eventually replacement

No single case shows all positive (or negative) elements together → balancing act





# Key insights

Division of labour creates the context

Employment relationship measures underused

No one-size-fits-all solution

Digital transformation is not a neutral process





# Next steps

- Situation:
  - 121 interview transcripts, 22 case reports, coding table
  - (Descriptive) comparative analysis, actor analysis
- Goal:
  - Further analysis on link technology, organisational choices and outcomes
- Options:
  - Qualitative Comparative Analysis (QCA)
  - Comparative analysis within subsets (most similar / most different /...)
  - Focus on one type of output (Impact Line manager / General employees)





### More information?

- Case study report
- Policy brief
- SEAD final report

Project website







"While data from a European Agency for Safety and Health at Work survey suggest that human—robot interaction is associated with increased work intensity, increased surveillance, deterioration of the social environment and reduced autonomy, evidence from case studies suggests that the negative outcomes stem from organizational factors and management choices, rather than the technology itself."



Thank you!

ezra.dessers@kuleuven.be



