

## **Combining Technological and Social Innovation**

## Need

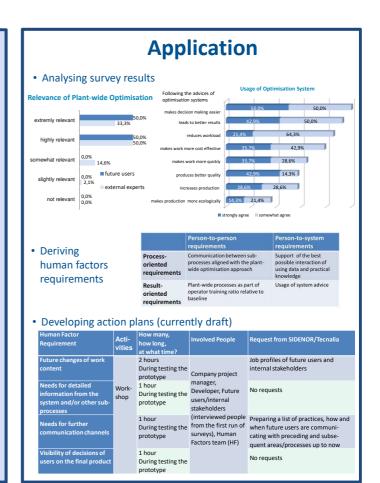
- New challenges and low impact of new software systems (e.g. by poor user acceptance) creates a need for a new innovation paradigm
- · Creating an excellent system and making the best use of it needs considering the ideas of future users and internal stakeholders
- · A joint optimisation of technology, people and organisation is needed to unfold the full potential of a new digital solution



## **Approach** • Identifying future users and internal stakeholders to get them involved in the development process (by raising their requirements and early feedback to mock-ups, prototypes)

 Integrating a set of social key performance indicators (KPIs) to get early feedback during development

· Conducting surveys (questionnaire, interviews and workshops) among future users and external experts



## Benefit

- · Ensures that plant-wide optimisation brings the envisioned benefits
- · Ensure that the system fulfills the end user needs
- Improves user acceptance

Tampere University

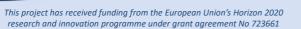
- · Supports learning of end users and software developers
- · Helps the end user to use the COCOP system more effectively
- · Better process operation via best fit between technological tools, organisational practices and user skills







dortmund



tecnalia) Inspiring

Optimation,

idener

(2)-control.

Outotec

**DSM** 

 $\mathbf{S}$ sidenor