

How to motivate participation in informal workplace learning: participatory methods and their implications

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What is your motivation for learning?

Motivational factors – Achievement goal theory

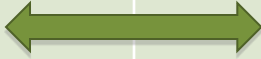
Learning goal orientation	Performance goal orientation
Objective: Increase competences	Objective: Favourable judgements of competence
Challenges: Seen as opportunity to learn	Challenges: Seen as test to measure competence
„What is the best way to increase my ability or achieve mastery?“	„Is my ability adequate or not?“

Social goals

Objective: Behave in socially responsible ways, achieve a sense of belonging, integrity, and respect of others (Wentzel1998)

Motivational factors

Self-determination theory

Intrinsic	Extrinsic
Direct	Indirect
Self-determined, self-sustained	Based on separable outcome, e.g. monetary compensation, award, job opportunity, etc.
	

Relatedness (Social and organisational context)

Perceived competence (self-efficacy)

Perceived autonomy (Ryan, Deci 2000)

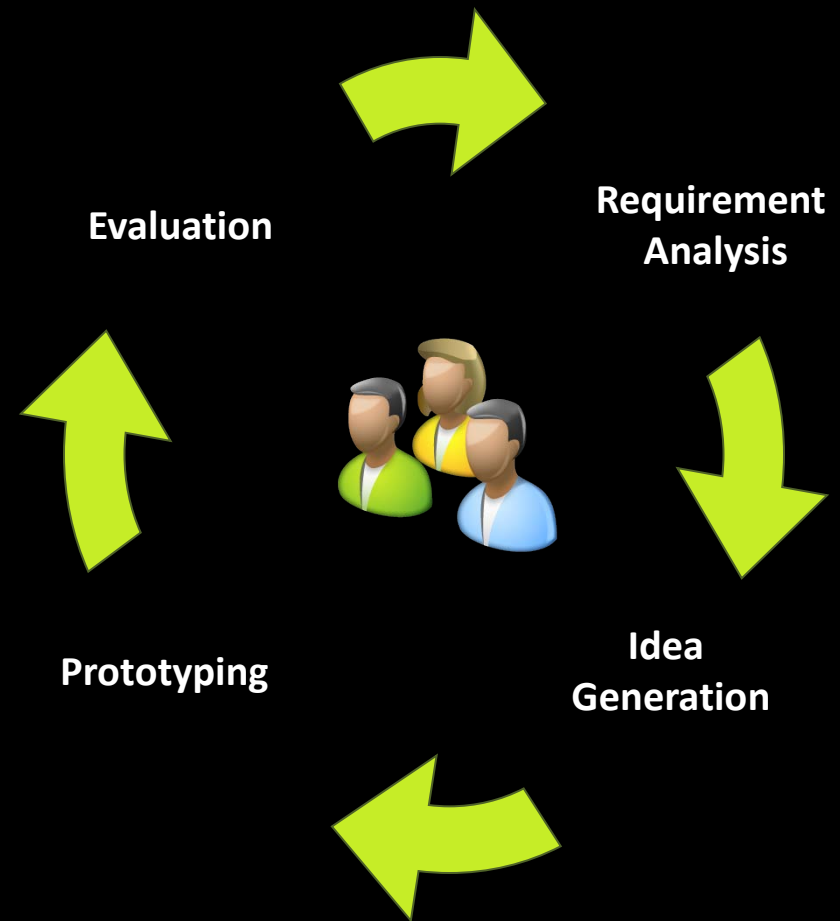
Motivation, ownership, self-management

Hypothesis: Motivation increases with...

- Perception of autonomy
- Responsibility for the outcome/ownership
- Possibility to monitor & self-regulate activities
- Personal contacts, learning in social networks
- Positive feedback, avoidance falling behind

Participatory Design Approach

- Integration of end-users of an information system into the process by which that system is designed
- Iterative process of contextual investigation, idea generation, prototyping and evaluation that involves end-users, designers and system developers
- Focus on the tacit knowledge of end-users about business processes



SECI model (Nonaka, Takeuchi)

1. Socialization

from implicit to
implicit knowledge

2. Externalization

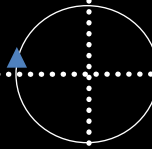
from implicit to
explicit knowledge

from explicit to
implicit knowledge

from explicit to
explicit knowledge

4. Internalization

3. Combination



IntelLEO Design Conversion

1. **Socialisation** of individual experiences

- Informal information exchange
- Supported by face-to-face meetings

2. **Externalisation** of processes & experiences

- Explorative Interviews
- Focus Group Interviews
- Walkthrough & Think Aloud
- Learning diaries
- Questionnaires
- Monitoring/Logging

4. **Internalisation** of processes & experiences

- Reflection about results from phase 2 and 3 with the help of IntelLEO Blog, summaries, presentations, storyboards, deliverables etc.

3. **Combination, Interaction, Generalisation**

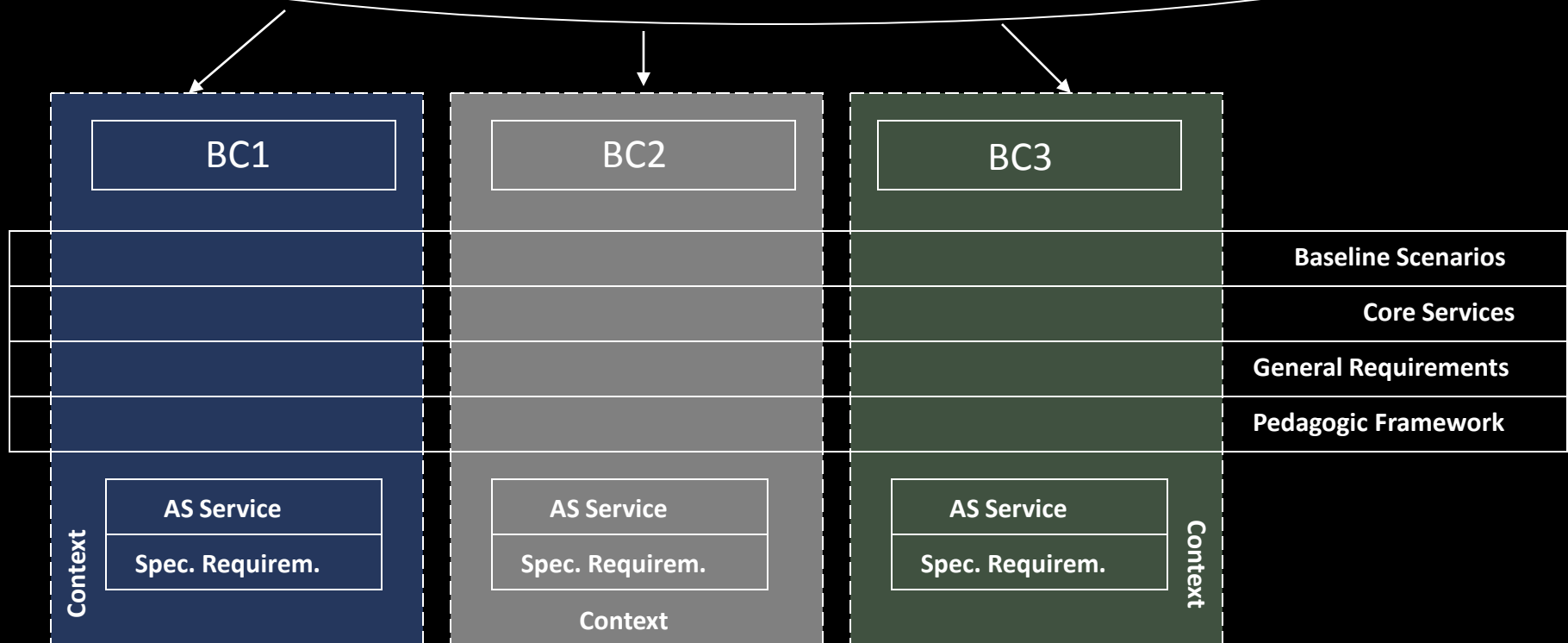
- Debriefing sessions after interventions
- Discussion Groups
- Collaborative elaboration of UML Models, Business Cases, Scenarios, Implementation Framework, Storyboards
- Project meetings

Assessment & Evaluation



Standardized Method-Mix:

Can a synergy of collaborative LKB and harmonization services considerably enhance the motivation of learners and the responsiveness of the IntelLEO?



The Business Case: Volkswagen

370.000 employees
worldwide



Volkswagen AG

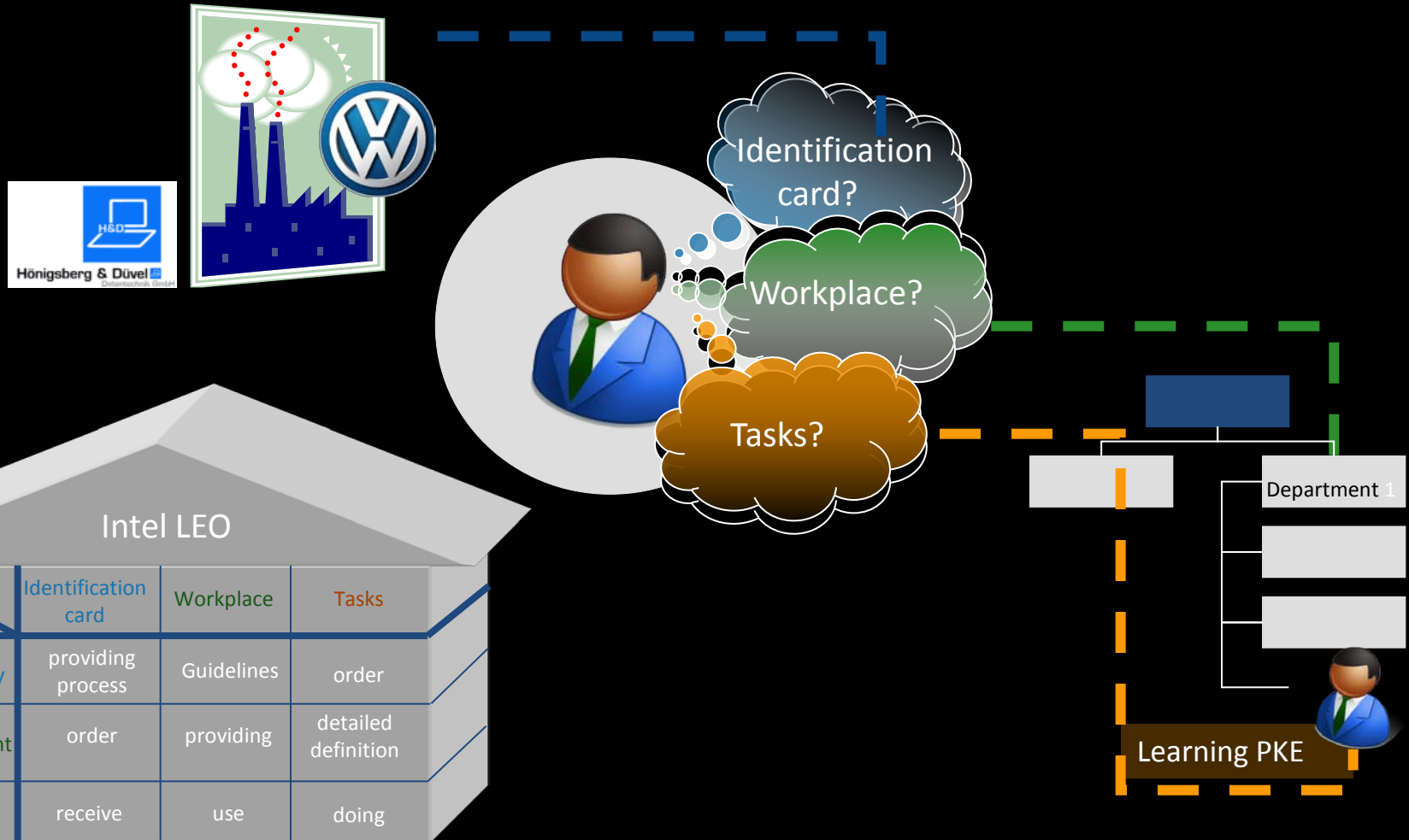


198 successful models



9 brands

Introducing and supporting newcomers in the department



Supporting employees in their working process to develop new competences



Challenges

- Weak knowledge sharing culture
- High security regulations
- Training on the job & via experience
 - no educational program
- Continuous time pressure
- Many systems in place already
- Barrier of reading and writing
- Weak acceptance of wiki



Motivational aspects

- Learning and performance goals:
 - Proud of being “fire fighters”, high autonomy, high self-esteem, inherent need to learn is motivating
 - Being better than others and demonstrating achievement especially to Management



Motivational aspects

- Collaboration/Social embeddedness/social goals:
 - High dependence on knowledge from colleagues
 - High willingness to share knowledge
 - Importance of face-to-face meetings



Issues raised by employees

- Commitment of management (visibility of expertise)
- Learning becomes part of the organisational culture and values
- Need for facilitation, guidelines, best-practice
- Seamless integration with other systems
- Supporting social relations (trust!)
- Initial content pool (video)
- Playful approach



Thank you!



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Lessons learned from participatory design

Participatory design NEEDS:

- Flexibility to cope with limitations:
Concerning the timing of interventions, the involvement of target groups and the applied research techniques
- Motivation concept:
Consider Motivational issues for end-users to participate in the design process
- Managerial support:
Provide access to employees, grant time for participation, take results seriously, follow with actions

Lessons learned from participatory design

Participatory design CREATES:

- Valuable insights:
Into work- and information processes, needs and barriers, motivational aspects
- Awareness and interest:
Among participants, colleagues and management
- Expectations:
To follow requirements and pursue ideas
- Interest within research community:
hot topic in many conferences

Barriers/drivers (intrinsic)



Barriers/drivers (extrinsic)

- Reputation
- Reciprocity
- Organizational reward



Motivation to learn

- Learning goal orientation
 - Objective: Increase competences
 - Challenges: Seen as opportunity to learn
 - „What is the best way to increase my ability or achieve mastery?“
- Performance goal orientation
 - Objective: Favourable judgements of competence
 - Challenges: Seen as test to measure competence.
 - „Is my ability adequate or not?“

Barriers/drivers (extrinsic)

- Organizational context/culture

Capability (Heutagogy, Hase & Kenyon, 2000)

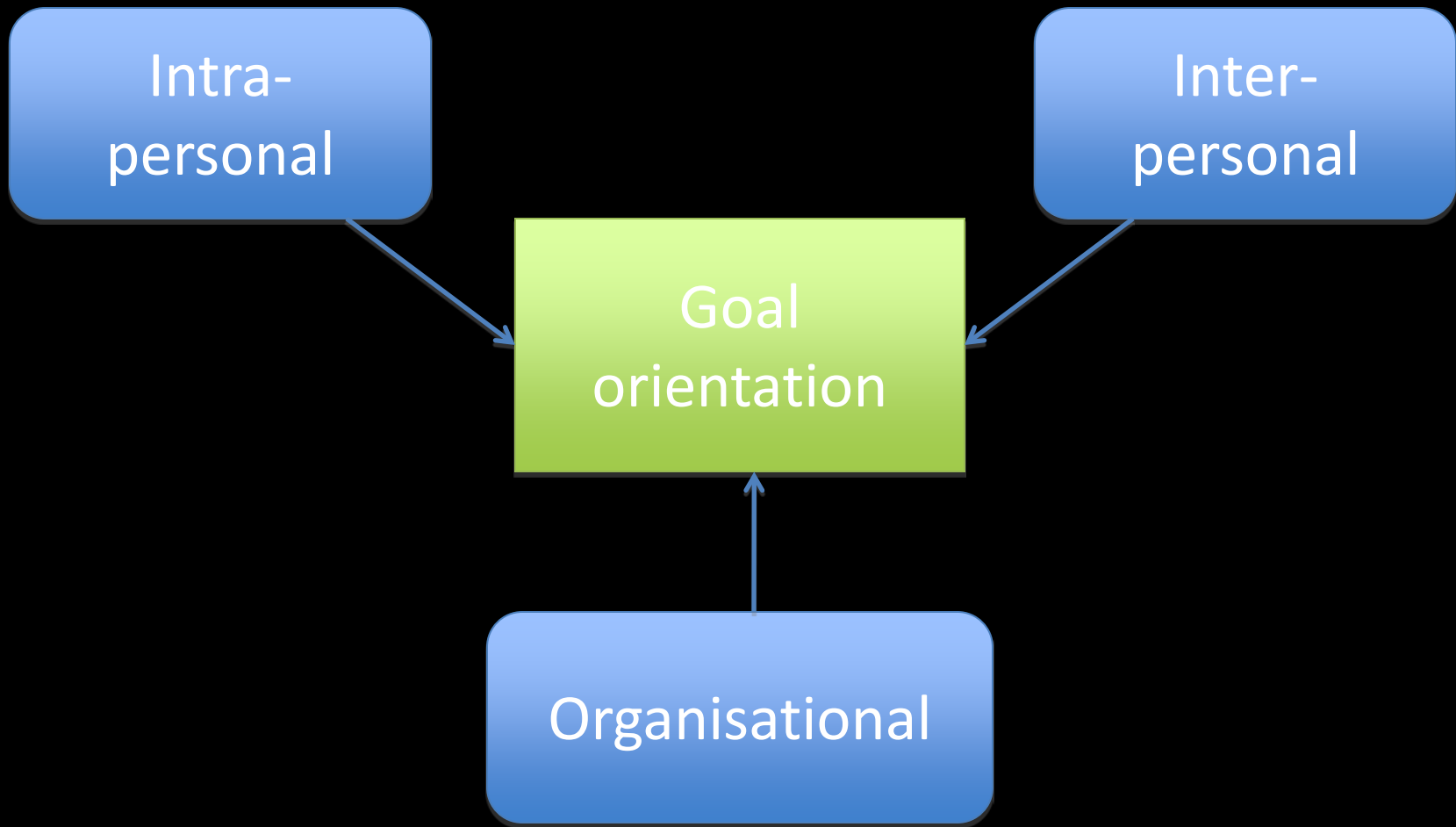
Capable people

- Self-determined learning
- Flexible, double loop learning
- Capacity for questioning ones values and assumptions
- Value of everyday, unorganized experiences and the process of reflection

Capable organisations

- Capacity for managers to empower others, to share information and to develop capacity
- Develop capability not just competency of managers

Influence on goal-orientation





Barriers/drivers (extrinsic)

- Social relationships
- Trust
- Facilitating conditions
- Effort