

# KDC-Mainport Schiphol program

Citation for published version (APA):

Helsdingen, A. (2010). *KDC-Mainport Schiphol program: Judgements of learning in collaborative learning environments*. Poster session presented at 29th European Association for Aviation Psychology Conference, Budapest, Hungary.

## Document status and date:

Published: 20/09/2010

## Document Version:

Peer reviewed version

## Document license:

CC BY

## Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

## General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

<https://www.ou.nl/taverne-agreement>

## Take down policy

If you believe that this document breaches copyright please contact us at:

[pure-support@ou.nl](mailto:pure-support@ou.nl)

providing details and we will investigate your claim.

Downloaded from <https://research.ou.nl/> on date: 16 Jul. 2023

Open Universiteit  
[www.ou.nl](http://www.ou.nl)

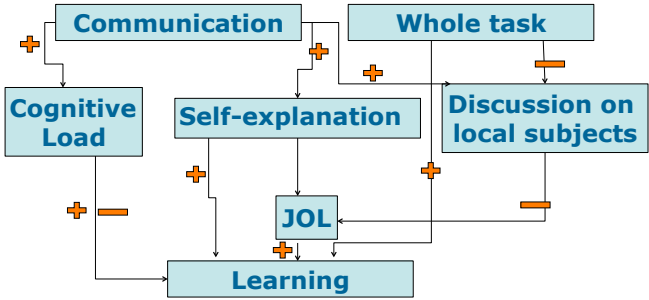




# KDC-Mainport Schiphol program Judgements of Learning in Collaborative Learning Environments

**Collaborative learning environments**  
 Collaborative learning environments have been proven to benefit individual learning. The assumption is that the communication between learners, the sharing of cognitive load and the whole task presentation all benefit individual learning processes.  
**However**  
 For successful Self Regulated learning, adequate Judgments of Learning (JOL) are necessary. What is the effect of a collaborative learning on JOL?

**Communication**  
 Self explanation and verbalizations have been proven to increase learning and transfer.  
**However**  
 Do people have access to their cognitive strategies? Communication may increase cognitive load. Discussions may focus on local task aspects.  
**and**  
 How does communication influence JOL?



**Cognitive Load**  
 In collaborative learning environments cognitive load is shared between learners. When cognitive load is shared, complex whole tasks may be presented to novice learners.  
**However**  
 When the load is shared, do learners develop an illusion of competence?



**Whole Task/Part task**  
 Whole task approach has been proven to lead to better learning and transfer than part task presentation.  
**However**  
 If the whole task is distributed across learners, does the benefit for learning remain?

<b>Pre-test</b>  Homogenous teams of 3 Control group: virtual teams of 3	<b>Training environment</b> (coll., individual) x <b>Task presentation</b> (part task x whole task) x <b>Task selection</b> (controlled, learner control, virtual)	<b>Post test</b>  Cognitive load (mental effort) Distribution of cognitive load Content and amount of discussion JOL Individual & team performance
---	---	--

**Correspondence to:**  
 Dr. Anne Helsdingen  
 Anne.helsdingen@ou.nl  
 +31(0)619348915

**Partners:**

