### Orientation project – A longitudinal study of day care and pre-school activities

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3rd September, Oslo

http://blogs.helsinki.fi/orientate/

(Pictures of children omitted)

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#### **Orientation project 2008 -**

Preparing for the improved research and feedback cycle2013-2014

A valid and comprehensive research in 2009-2010

Dissemination, articles, books, 2012-2014 Analyzing and development tasks 2010-2013

Development models, quality evaluations,2 012-2013

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## The percentages of different general activities in Finland and Taiwan



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#### The distribution of highly involved activity in general activities between 8:00-12:00 in Finland



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## The mean of children's involvement in different activities



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## Children's activities during scaffolded play in Finland and Taiwan



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## Children's main object of attention during scaffolded play in Finland and Taiwan



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#### The educators focus on the child at least some of the time at scaffolded play in Finland and Taiwan



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## How to start a scaffolded process with children?

The process described above cannot be replicated; it is a unique shared process between children and adults. The educators could not make a similar process next year. If the children do have a real impact on the process they will be more involved and the process will change. The development task is to describe different ways to get the evolving process going. How can we get the children involved in a scaffolded process? One or several cases of successful and not successful examples would help. The cases can last anytime between one day and one year.



## The mean value of children's creativity in pretend play in different children's activities.



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# The percentage of high PA in daily activities in comparison to all daily activity between 8:00 am and 12:00

60 % 50 % 40 % 30 % 20 % 10 % 0% Outdoor Indoor Outdoor Basic careScaffolded Direct Eating Education free play free play activity play inside with indoors teacher scaffold

High PA All activity

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# Children's different objects of attention during low/medium PA and high PA activities

Attention during low or medium PA



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#### Children's different objects of attention during low/medium PA and high PA activities outdoors

1200 1000 800 600 400 200 0 Play or Hanging Role play Rule play Orientation exploring about or with toys together imaginary with others. and play physical setting

■ Not high PA ■ High PA

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#### PA during material play during direct education



Finland Taiwan

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Orientaatioprojekti - varhaiskasvatuksen kehittämisprojekti / HY- Kuuma-kunnat



## Your work is ruined and you fail, what do you do?



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Orientation project- Early Childhoo development project







## The plan for scientific conduct of Orientation project 2013 -



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Orientation project : Finnish – Taiwanand development project

### A longitudinal study of day care and pre-school activities

2015 A similar quantitative observation at the same time

Conducted in Denmark, Finland, Iceland, Norway and Sweden.

Observed items: Day care activities, Children's activities, children's objects of attention, children's physical activity, children's involvement, emotions and educators' activities.

Systematic sampling every four minutes in a group of children, observing all activities including eating, basic care, direct education, free & scaffolded play indoors, free and scaffolded play outdoors.

#### **Practical organization**

4-day obs. training in autumn 2014

Obs. in Jan-May 2015:

1 researcher from each country observes five groups (1 week) in each country, 1 day in 1 group =25 groups total in 5 countries

The observation takes place in the capital, with 3-5-year-old children between 8-12 hours.

Each country's observer: select 25 random groups for obs., organizes permits for obs., organizes info for educators.

Per observer: 1 weeks obs./5 countries = 5\*5 groups = 25\*60 obs.

Altogether: 25 day of obs. (25\*60 = 1500 obs./country)

Data input for 1500 obs. = 1 day

1 month for reporting



#### **Research in practice in Nordic countries**

1 researcher/country

Observation training in autumn 2014

25 random selected groups

1 day observation in one group in 2015

= 1 month of observation

Country comparison in autumn 2015

(Learning environment evaluation)

#### **Research costs per country**

1 week obs. training = 3000 €

Organizing info & parent permits for 25 groups = 3000€

5 weeks obs. in 5 Nordic countries = 15000 €

Data input for 1500 (25 x 60) obs. (1 day) = 600€

Reporting 1 month = 15000€

Travelling & misc. 3000€

Altogether = 40000€

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#### **Data collection**

Observation, child interview, child evaluation and learning environment evaluation in Finland, Taiwan and Hong Kong in 2015

Observation only in other Nordic countries 2015

2020 additional data in all countries with:

- Observation
- Child interviews
- Child evaluations
- Learning environment evaluations.

## How can the presentations be followed up in work shops?

Presenting the observation instructions & observed items

Discussion about the requirements of sampling and resources for observation

**Observation training** 

Data merging

Dissemination

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### Info on Orientation project

Project blog http://blogs.helsinki.fi/orientate/development-tasks/

The Scientific Products of the Orientation project <u>http://blogs.helsinki.fi/orientate/products/the-scientific-products-of-the-apu-project/</u>

Research news

http://blogs.helsinki.fi/orientate/category/research/