

# WiSel – Wirkungen der Selektion (Effects of Tracking)

[wisel-studie.ch](http://wisel-studie.ch)

Educational Data Symposium

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Research Center Learning and Socialization,  
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## 1. Project

- Background
- Aims and method
- Working model

## 2. Data

- Waves
- Constructs
- Possible research questions
- Publications

## **Project: Background**

- Longitudinal study by the Research Center Learning and Socialization (PH FHNW)
- Funded by the Swiss State Secretariat for Education, Research and Innovation (SERI) and the Swiss National Science Foundation (SNSF)
- Five Swiss cantons: Argovia, Basle-Country, Basle-City, Berne, Lucerne
- Six Waves, data from students, teachers and parents

## **Project: Aims and method**

Tracing educational pathways from primary school to tertiary education/work

- **WiSel I (Waves 1 – 3)**

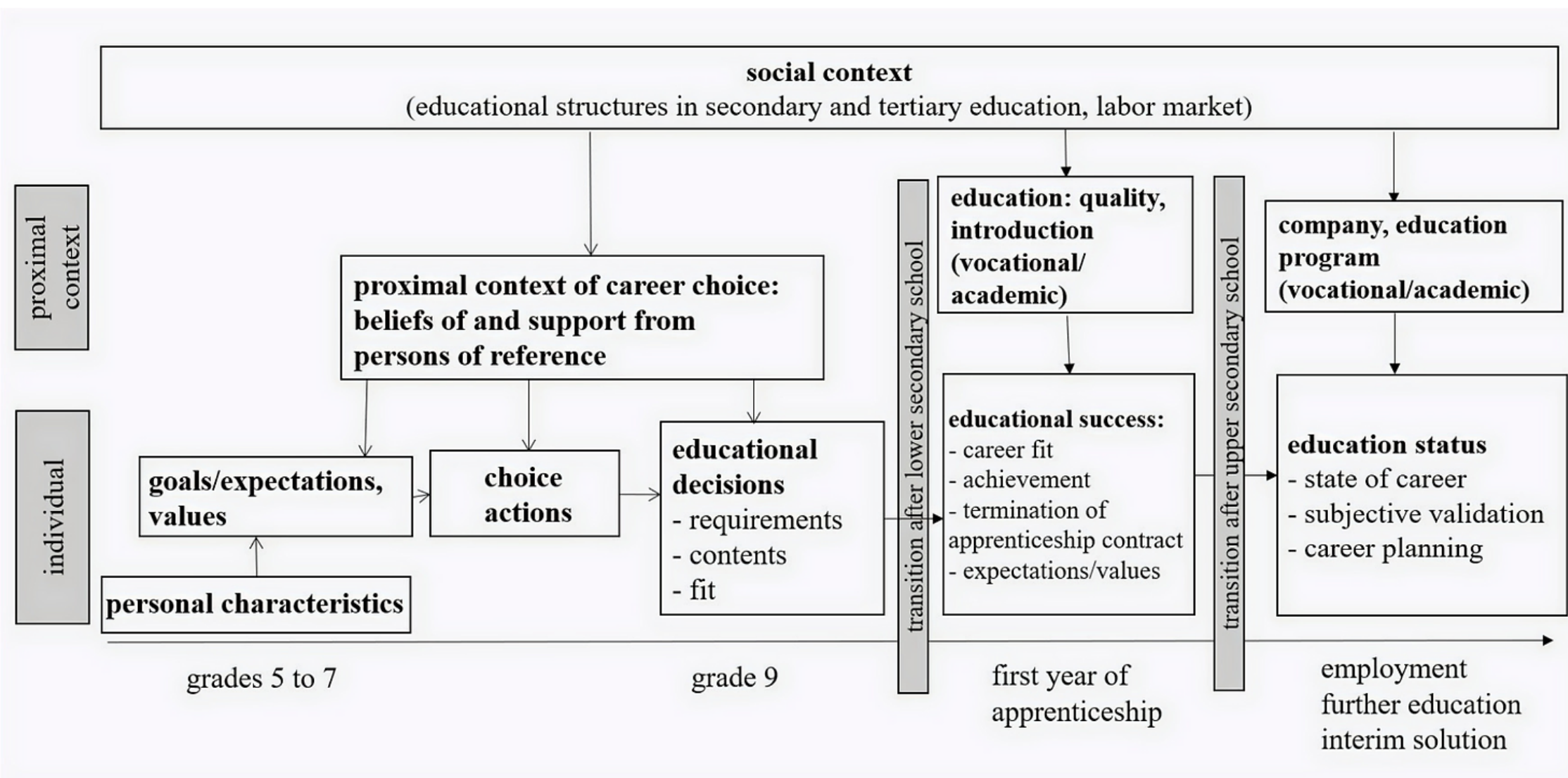
Transition from primary school to lower secondary education

- **WiSel II (Waves 4 – 5)**

Transition from lower secondary education to upper secondary education

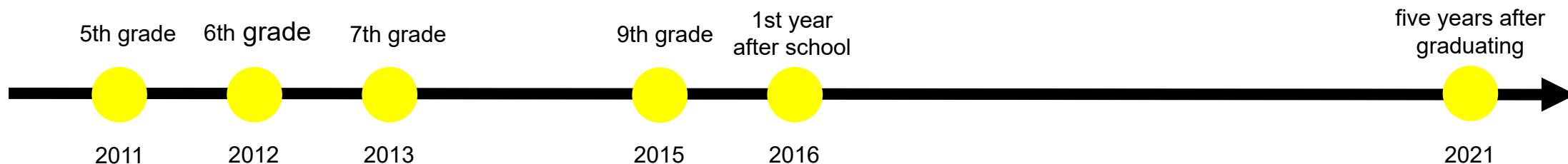
- **WiSel III (Wave 6)**

Transition from upper secondary education to working life / tertiary education



## Data: Waves

- Wave 1, 2011/2012; 5th grade, 1743 students, 119 teachers, 1656 parents
- Wave 2, 2012/2013; 6th grade, 1993 students, 165 teachers, 1957 parents
- Wave 3, 2013/2014; 7th grade: 1516 students, 146 teachers, 1463 parents
- Wave 4, 2015/2016; 9th grade: 2376 students
- Wave 5, 2016/2017; first year after secondary school: 808 students
- Wave 6, 2021/2022; five years after graduating from secondary school (ongoing)



## Data: Constructs

Wave	Students	Teachers	Parents
1	<ul style="list-style-type: none"> <li>• Performance tests German and Math</li> <li>• Grades</li> <li>• IQ</li> <li>• Beliefs and behavior</li> </ul>	<ul style="list-style-type: none"> <li>• Experience and attitudes concerning teaching</li> <li>• Questions about students</li> </ul>	<ul style="list-style-type: none"> <li>• Personal information (e.g. education)</li> <li>• Questions about child and parenting style</li> </ul>
2	<ul style="list-style-type: none"> <li>• Performance tests German and Math</li> <li>• Grades</li> <li>• Beliefs and behavior</li> </ul>	<ul style="list-style-type: none"> <li>• Experience and attitudes concerning teaching</li> <li>• Questions about students</li> </ul>	<ul style="list-style-type: none"> <li>• Personal information (e.g. education)</li> <li>• Questions about child and parenting style</li> </ul>
3	<ul style="list-style-type: none"> <li>• Performance tests German and Math</li> <li>• Grades</li> <li>• IQ</li> <li>• Beliefs and behavior</li> </ul>	<ul style="list-style-type: none"> <li>• Experience and attitudes concerning teaching</li> <li>• Questions about students</li> </ul>	<ul style="list-style-type: none"> <li>• Personal information (e.g. education)</li> <li>• Questions about child and parenting style</li> </ul>
4	<ul style="list-style-type: none"> <li>• Grades</li> <li>• Beliefs and behavior</li> <li>• Personality</li> </ul>		
5	<ul style="list-style-type: none"> <li>• Beliefs and behavior</li> <li>• Personality</li> </ul>		
6	<ul style="list-style-type: none"> <li>• Grades</li> <li>• Beliefs and behavior</li> <li>• Personality</li> <li>• Impact of COVID19 pandemic</li> </ul>		

## Data: Constructs in Wave 6 (ongoing)

<b>Educational path</b>	Completed education	-
	Grades	-
	First choice after secondary education	-
	Current situation	-
<b>Beliefs, expectations, attitudes, personality</b>	Aspiration	Wave 1
	Expectations	Wave 1
	General self-efficacy	Jerusalem & Schwarzer, 1991, 1999
	Conscientiousness	Borkenau & Ostendorf, 2008
	Goal orientation	Baranik et al., 2013
	Vocational interests (RIASEC)	Bergmann & Eder, 2005
	Parental support	Schwarzer & Schulz, 2000
<b>Current occupation/education</b>	Satisfaction	-
	Person-environment fit	Wave 5
	Values	Eccles & Wigfield, 2002
	Occupational self-efficacy	Wave 5
	Effort	Schmidt, et al., 1998; Rieger, et al., 2017
	Commitment	Goulet & Singh, 2002
	Workload	Prümper, Hartmannsgruber & Frese, 1995
	Feedback	Wave 5
<b>COVID19 pandemic</b>	Impact on current situation and future plans	-
	Reaction of company	-



## Possible research questions

- Effects of classroom composition on children's individual characteristics
- Determinants of educational and vocational choices
- Effects of personality traits and beliefs on educational choices and success
- Effects of teacher and parental behavior and beliefs on children's educational choices, beliefs and achievements
- ...

## **Publications (selection)**

- Hofmann, J., Neuenschwander, M.P. Jugendliche und ihre Berufswahlpraktika: Determinanten des sozialen Status der gewählten Praktikaberufe. *Z Erziehungswiss* (2021). <https://doi.org/10.1007/s11618-021-01060-1>
- Neuenschwander, M. P., Hofmann, J., Jüttler, A. & Schumann, S. (2018). Professional Desires and Career Decisions: Effects of Professional Interests, Role Models, and Internship in Lower Secondary School. *International Journal for Research in Vocational Education and Training*, 5(3), 226–243. <https://doi.org/10.13152/IJRVET.5.3.5>
- Neuenschwander, M.P., & Niederbacher, E. (2014). Elternmerkmale und Leistungsentwicklung beim Übergang in die Sekundarstufe I. *Erziehung und Unterricht*, 7–8, 562–568.

# Thank you for your attention!

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