

1. Theoretical Frame

2. Students' Beliefs & Concepts

→Importance of Professional Skills

- →Self-Assessment of Professional Skills
- →Acquisition/learnability of Professional Skills

3.Teacher Educators' Beliefs & Concepts

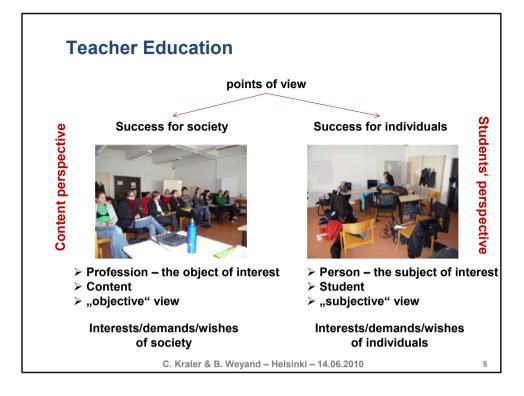
- →Subjective Knowledge
- \rightarrow Structural Knowledge
- \rightarrow Objective Knowledge

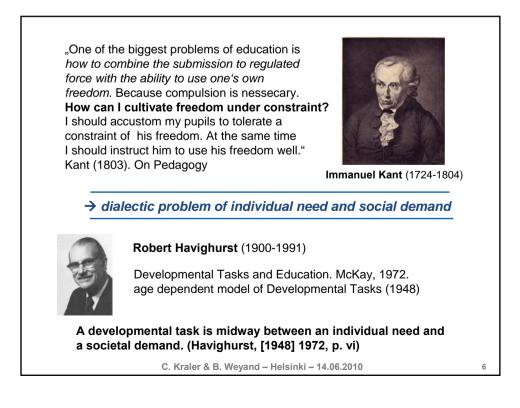
4. Implications & Future Visions on Learning and Teaching →Implications & Visions for Teacher Education →Implications & Visions for Higher Education

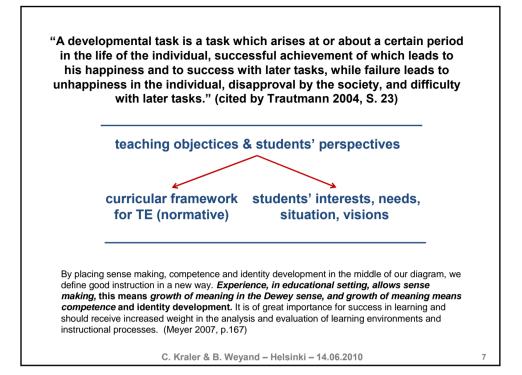
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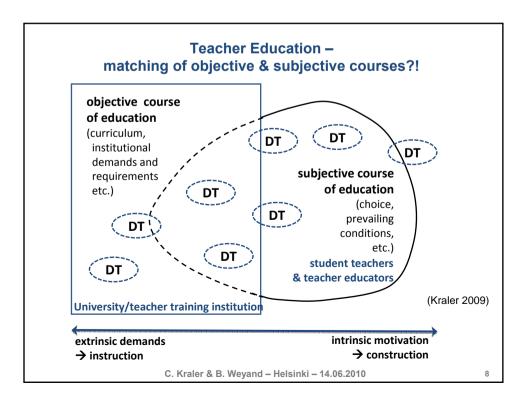
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4. Implications & Future Visions on Learning and Teaching

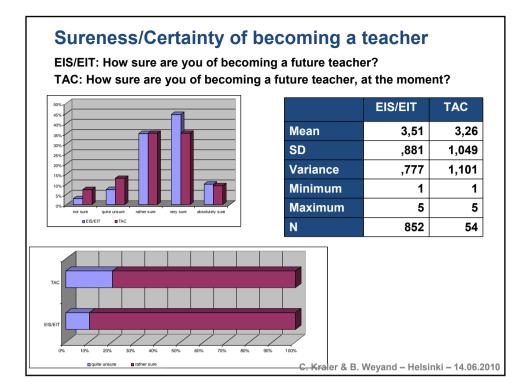
→Implications & Visions for Teacher Education
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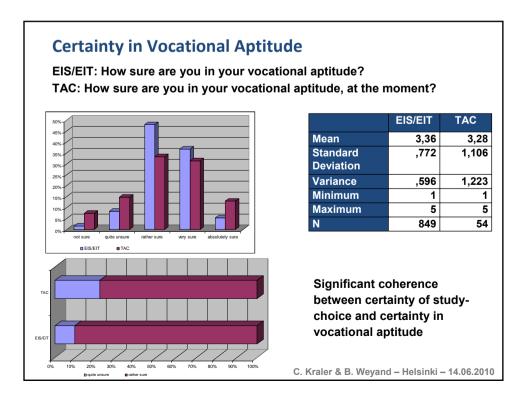
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2 studies: EIS/EIT and TAC - Socio-demographic findings

	EIS/EIT	TAC (teacher assessment center)
Quantity	N = 878 (total)	N = 54
Year	2004-2007	2005
Average Age	20,7 years	23 years
Gender	approx. 1/3 male; 2/3 female	approx. 1/3 male; 2/3 female
Final Exam	Ø 2,49; SD: ,571	Ø 2,68; SD: ,4462
Grades	Variance: ,326	Variance: ,199
	Minimum 1; Maximum 4	Minimum 2; Maximum 3,5
	Female: 2,42	Female: 2,65
	Male: 2,60 (T= -4,303**)	Male: 2,74
Context of data	First and second semester;	Various semester
collection	"Introduction in TE-Studies" (2 – 4 hours, single-day-event)	Elective seminar in pedagogy – "Reflexion of aptitude and motivation for the teacher profession"
		(2 hours weekly, in total 24 hours)





Hypothesis: Students' beliefs and concepts determine their disposition, motivation and construction in/of their studies.
Beliefs and concepts depends on →wether professional skills are concidered as important →the self-assessment concerning professional skills →wether professional skills are native or not and if it needs strength to acquire
Research questions (45'questionaire): What's about students' beliefs and concepts concerning
Importance?
Self-Assessment?
Acquisition/Learnability?

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Personal and Social Skills	Methodical-didactical Skills	Technical Skills
Conflict Management Tolerance Empathy Sympathy for Children and Teenagers Emotional Stability Fairness Creativity Team Player Confidence Humour Ability to Communicate Ability to reflect Self-Assessment Skills Authority Patience	 Counselling Skills Ability to Think Interdisciplinary Ability to Handle Complex Situations Ability to Plan and Design Teaching- Learning Procedures Ability to Handle Discipline Problems Media Skills Leadership Skills Methodical Skills 	 Broad, extended Exper Knowledge Basic Knowledge of Pedagogy and Psychology Ability to Identify / Assess Performance, Potentials, Disruptions Ability to Co-operate in Symposiums Technical skills (subject-specific)

Importance of <u>Personal & Social Skills</u> (For a good teacher in general it is...)

Scale: 1=unimportant, 5=indispensable

Field of Competence		TAC	2		EIS/EIT	
	N	М	SD	Ν	М	SD
Ability to Communicate	54	4,50	,637	854	4,41	,662
Patience	54	4,46	,636	855	4,50	,660
Empathy	54	4,43	,690	851	4,27	,776
Fairness	53	4,40	,660	856	4,35	,705
Confidence	53	4,32	,613	857	4,22	,736
Conflict management	54	4,31	,748	850	4,02	,724
Sympathy for children and teenagers	54	4,31	,886	849	4,23	,849
Emotional stability	54	4,26	,678	854	4,23	,752
Tolerance	54	4,24	,751	855	4,18	,766
Authority	54	4,04	,868	857	3,91	,898
Self-assessment skills	54	4,02	,858	852	3,99	,779
Reflexion skills	53	3,87	,833	855	3,69	,732
Humour	54	3,83	,906	844	3,61	,942
Team player	53	3,68	,936	852	3,89	,829
Creativity	54	3,59	,813	856	3,61	,839

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Importance of <u>Methodical-didactical Skills</u> (For a good teacher in general it is...)

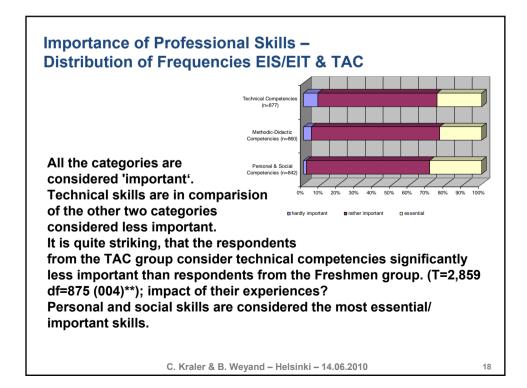
Field of Competence		TAC			EIS/EIT	
Field of Competence	N	М	SD	N	м	SD
Handling discipline problems	54	4,06	,738	857	3,90	,733
Leadership skills	54	4,04	,800	853	3,95	,701
Handling complex situations	54	3,98	,835	846	3,91	,720
Planning and designing of teaching- learning processes	54	3,89	,744	853	3,87	,738
Counselling skills	54	3,76	,775	849	3,87	,729
Methodical skills	54	3,72	,811	853	3,73	,774
Ability to think outside the box / think interdisciplinary	54	3,69	,773	849	3,73	,776
Media skills	54	2,91	,708	849	3,11	,829

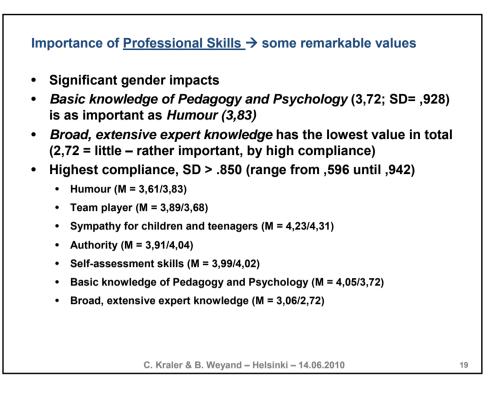
Scale 1=unimportant, 5=indispensable

Importance of <u>Technical Skills</u> (For a good teacher in general it is...)

Field of Composition		TAC			EIS/EIT	
Field of Competence	N	М	SD	N	М	SD
Identifying / assessing performance, potentials, trouble	54	4,39	,596	850	4,26	,676
Technical skills (subject-specific)	54	4,13	,778	855	4,29	,733
Basic knowledge of Pedagogy and Psychology	53	3,72	,928	855	4,05	,857
Ability to co-operate in symposiums (teacher meetings? School meetings?)	54	2,87	,848	850	3,31	,846
Broad, extensive expert knowledge	53	2,72	,948	849	3,06	,933

Scale 1=unimportant, 5=indespensable





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4. Implications & Future Visions on Learning and Teaching

→Implications & Visions for Teacher Education

→Implications & Visions for Higher Education

Field of competence	TA	C	EIS	/EIT	Т
Field of competence	М	SD	М	SD	
Empathy	4,23	,724	4,18	,747	
Sympathy for children and teenagers	4,17	,771	4,25	,799	
Tolerance	4,07	,696	4,17	,698	
Humour	4,04	,846	4,11	,760	
Fairness	4,02	,671	4,25	,641	2,518 (,012)
Ability to communicate	3,96	,846	4,05	,751	
Team player	3,81	,913	4,01	,779	
Patience	3,67	,971	3,80	,858	
Confidence	3,60	,862	3,72	,810	
Emotional stability	3,56	,839	3,79	,770	2,153 (,032)
Conflict management	3,54	,636	3,64	,682	
Creativity	3,48	1,041	3,59	,984	
Ability to reflect	3,35	,805	3,34	,807	
Self-assessment skills	3,32	,827	3,58	,788	2,324 (,020)
Authority	3,29	.776	3,20	,858	

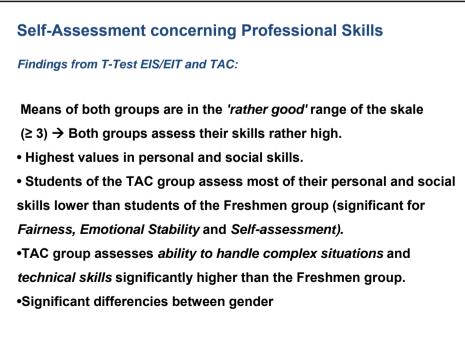
Self-Assessment concerning <u>Personal & Social Skills</u> (Comparsion of Means between EIS/EIT and TAC Group and significant T-Tests)

Self-Assessment concerning <u>Methodical-didactical Skills</u>

	TA	C	EIS	S/EIT	Т
Field of competence	М	SD	Μ	SD	
Leadership skills	3,30	,838	3,22	,872	
Ability to handle complex situations	3,25	,806	2,72	,883	-4,238 (000)**
Councelling skills	3,13	,912	3,34	,852	
Ability to think interdisciplinary	3,07	,723	3,09	,814	
Media skills	3,07	,988	3,23	,938	
Ability to handle discipline problems	3,04	1,037	3,19	,846	
Ability to plan and design teaching-learning procedures	2,66	,807	2,52	,887	
Methodical skills	2,59	,714	2,60	,846	

Self-Assessment concerning Technical Skills

Field of compotence	TAC		EIS/EIT		Т
Field of competence	М	SD	М	SD	
technical skills (→ subjects)	3,19	,681	2,89	,798	-2,653 (,008)**
ability to identify / assess performance, potentials, disruptions	3,02	,820	3,07	,890	
basic knowledge of Pedagogy and Psychology	2,44	,816	2,45	,889	
ability to co-operate in symposiums	2,38	1,060	2,64	1,100	
broad, extensive expert knowledge	2,33	,869	2,20	,863	



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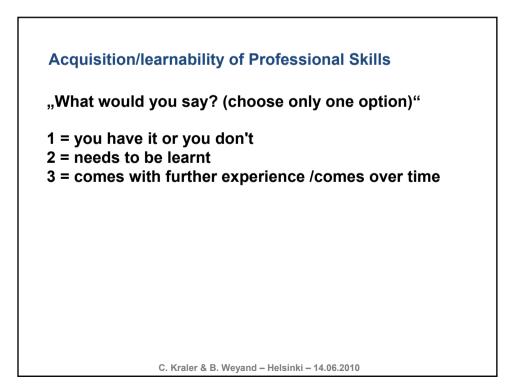
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4. Implications & Future Visions on Learning and Teaching →Implications & Visions for Teacher Education →Implications & Visions for Higher Education



Acquisition/learnability of Personal & Social Skills

1 = you have it or you don't (%) 2 = needs to be learnt (%)

3 = comes with further experience /comes over time (%)

Field of competence	1	2	3
Conflict Management	11,34	62,02	26,63
Self -Assessment Skills	29,81	38,88	31,30
Team Player	43,10	38,92	17,98
Reflexion Skills	19,45	50,43	30,11
Authority	43,15	36,93	19,92
Confidence	<u>50,13</u>	26,17	23,70
Ability to Communicate	48,53	32,78	18,69
Emotional Stability	63,39	18,06	18,56
Tolerance	<mark>56,02</mark>	31,93	12,05
Fairness	69,68	19,18	11,14
Creativity	80,84	12,90	6,27
Patience	73,35	19,30	7,35
Empathy	82,69	9,38	7,93
Sympathy for Children and Teenagers	93,11	3,44	3,44
Humour	97,03	1,19	1,78
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Acquisition/learnability of Methodical-Didactical Skills

1 = you have it or you don't (%)

2 = needs to be learnt (%)

3 = comes with further experience /comes over time (%)

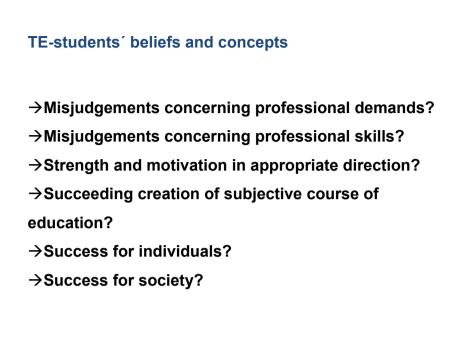
Field of competence	1	2	3
Media Skills	1,34	89,19	9,48
Methodical Skills	0,24	87,50	12,26
Ability to plan and design Teaching-Learning Procedures	0,13	87,86	12,02
Ability to think interdisciplinary	3,63	72,52	23,85
Counselling Skills	4,46	67,31	28,23
Leadership Skills	11,28	64,06	24,66
Ability to handle discipline problems	2,74	63,22	34,04
Ability to handle complex situations	2,45	52,02	45.53

= you have it or you don't (%) e = needs to be learnt (%) e = comes with further experience /comes over time (%)			
Field of competence	1	2	3
Broad, extended expert knowledge	0,37	90,36	9,27
Basic knowledge in Pedagogy & Psychology	0,86	93,76	5,39
Technical Skills (subject-specific)	1,21	86,68	12,11
Ability to identify/assess performance, potentials, disruptions	1,01	49,12	49,87
Ability to co-operate in symposiums	4,94	60.00	35,06

Acquisition/learnability of professional skills

The students considered more than half of the required skills in the field of personal and social skills as being native or innate. Exception: conflict management & the ability to reflect.

Up to 45% of the students considered half of the methodicaldidactical and theoretical skills not to be learnt aware and with effort



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Structure

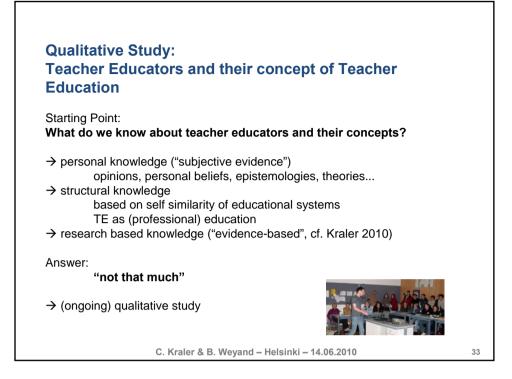
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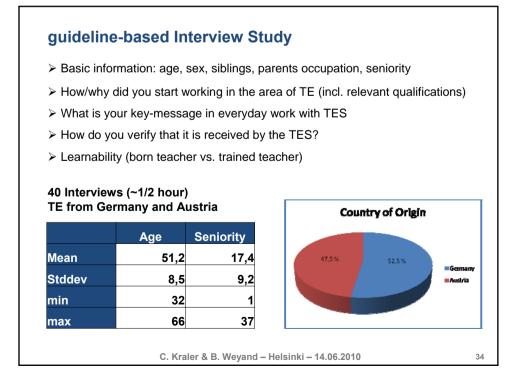
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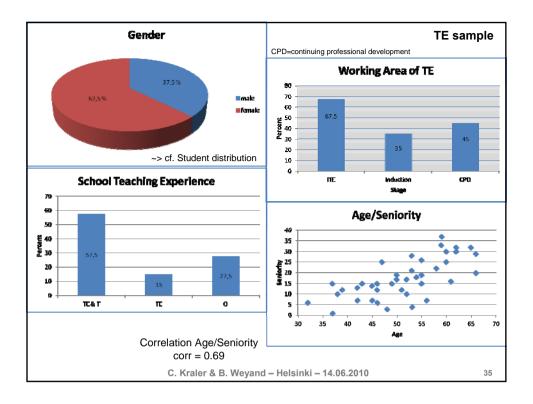
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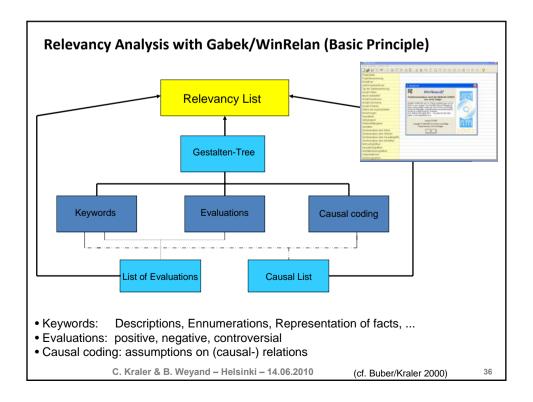
→Implications & Visions for Teacher Education

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WinRelan: Caqdas analysis relevancy list (1)

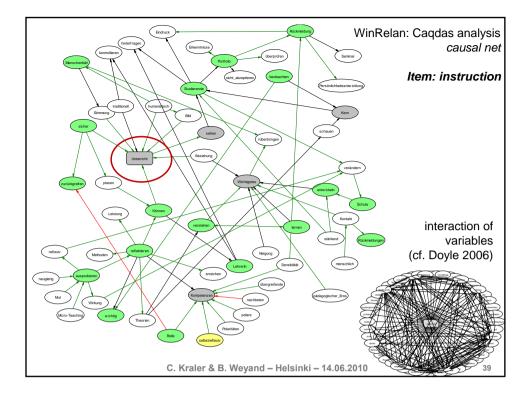
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Gestalt	item	Relev.	Bew.	Cau	sal rela	ation
level		Nb	Sum	-)0	0>	Sum
Н	lessons	35	1	15	3	18
G	notice	28	0	16		16
G	competencies	31	3	9	2	11
S	perceive	17	0	9	1	10
S	dialog	27	4	6	1	7
G	life	16	1	7		7
S	learning	18	2	5	1	6
S	learning process	10	0	5	1	6
G	show	10	0	5	1	6
S	pleasure	24	4	5		5

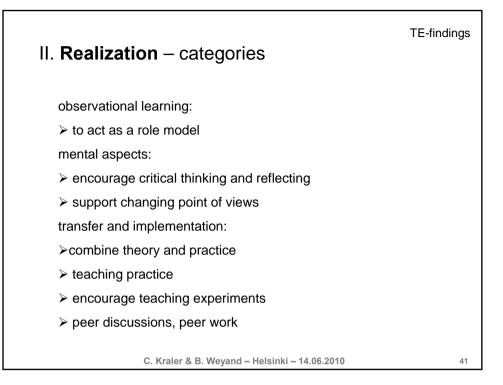
causal item: aims/goals

causal item:	Gestalt	item	Relev.	Bew.	Causal relation		
measures	level		Nb	Sum	->0	0>	Sum
	S	dimension of application	34	4		11	11
	Н	reflection	27	3	2	7	9
	G	TE-student	14	0	1	7	8
	н	human beings	16	1		7	7
	S	dare	16	1	1	6	7
	G	1	10	0		6	6
	S	subjective	10	0		6	6
	S	ability	9	0	1	4	5
	н	personality	16	2		5	5
	S	self-refelxive	28	5		5	5
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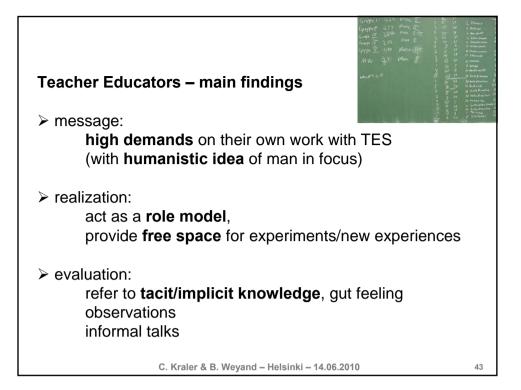
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						101	cvu	
	Gestalt	item	Relev.	Bew.	Caus	al relat	tion	
causal item:	level	item	Nb	Sum	_>0	0->	Sum	
mediating items	H	TE-students	50	0	8	21	29	
3	H	teaching	34	0	6	14	20	
	G	learning	33	Ō	11	8	19	
	S	fear	76	13	9	6	15	
	G	teachers	30	1	8	7	15	
	S	school	30	2	3	10	13	
	G	important	22	0	8	5	13	
	S	observe	32	3	8	4	12	
	Н	profession	21	0	4	8	12	
	н	pupils	21	0	6	6	12	
	Н	idea of man	56	10	3	7	10	
	н	reflect	52	9	3	7	10	
	G	say	17	0	4	6	10	
	G	atmosphere	19	1	3	6	9	
	G	feedback	19	1	5	4	9	
	G	understand	16	0	4	5	9	
	S	knowledge	16	0	5	4	9	



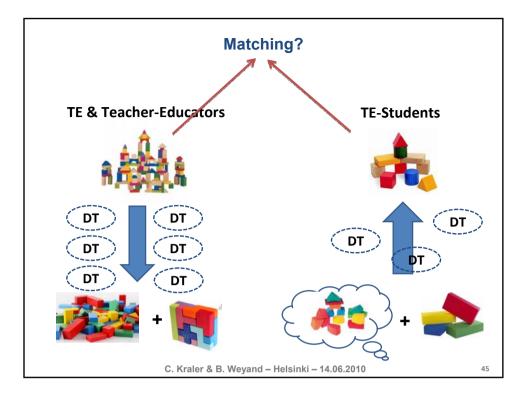
I. Key messages – categories	TE-findings
"ethical" aspects:	
(humanistic) idea of man, growth- and resources-oriented	
"to be aware of TES own individual potential, support them."	
"bring strengths to mind, to handle weaknesses."	
> "(profession oriented) calling"	
"openness, enthusiasm, authenticity	
trait aspect:	
paidotrope/logotrope attitude (Caselmann, 1964)	
"to like children, love subjects and content"	
professional aspect:	
Understanding of the Teaching Profession	
"professional role, job profile, to convey the occupational image) "
reflection of doing and acting	
"self-reflection on own professional work, observe pupils"	
expert for learning processes	
"arrangement of learning environment, learning styles, change perspective"	of
≻Tools	
"subject specific and pedagogical knowledge" C. Kraler & B. Weyand – Helsinki – 14.06.2010	40



III. Verification – categories	TE-findings
Obserservation impossible during lectures, during lessons, role plays,	
Evaluation written/oral, evaluation forms	
one-to-one talk during/after courses or later (by chance)	
products portfolios, written tests/exams/, diploma thesis	
sense, feeling, "eye for it" tacid/implicit knowledge	
"The ideal framework conditions are unfortunately not fulfilled." "It is a very subjektive issue" "It's not much more than gut feeling."	
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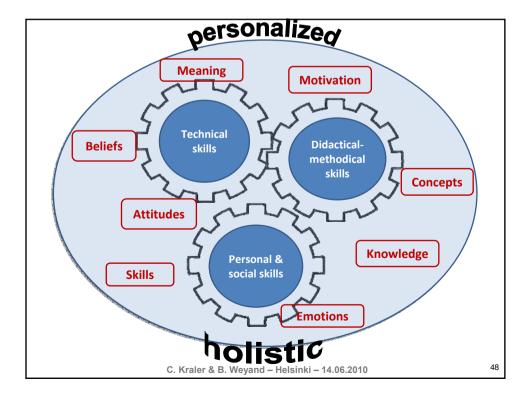


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Implications for Teacher Education – visions & demands

→ TE-Students need knowledge about personal and social skills and their modification (→ developmental psychology)
→ both for themselves and for their further pupils
→ Teacher Education system thinks TE from the end (outcome, occupational ability)
→ Students think their TE from the beginning
→ Teacher Education (system and persons) needs to call for the students where they actually are
→ Students must achieve a clear and realistic idea of the profession and the specific demands cf. Weyand 2008, 2010 (i.p)

their beliefs and concepts We need this process-oriented and explicitly placed in the curriculum We need professional and appropriate <u>qualified</u> Teacher Educators

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Implications for TE in Higher Education - visions and demands

TE-Students need appropriate teaching-, learning- and developingarrangements

- \rightarrow to develop their ability of self-reflexion
- \rightarrow which make them an object of their studies
- ightarrow to make them a subject of their professional development
- \rightarrow to develop their metacognitive skills

 \rightarrow with opportunities for feedback processes (performance and perception)

We need suitable quantitative relations students-lecturer.

We need lecturers with self-conception being a teacher educator. We need more and above all qualified counselling.

"When the emotional content of learning is well sustained, we have the real possibility of pedagogies of formation – experiences of teaching and learning that can influence the values, dispositions and characters of those who learn."

Lee S. Shulman Signature pedagogies in the professions, 2005



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