



One-to-One Educational Computing in Europe European Policy & Practice

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Nationale IKT-Infrastrukturerhebungen und Studien Österreich 2008/09 / Deutschland 2007/08

IKT-Studie Österreich - Schuljahr 2008/09

Area d. Schulen mit Teilnahme an IKT	1,00 %	0,22 %	2,22 %
Hardware / Software	Bundesschulen	Pflichtschulen*	Privatschulen
Anzahl d. SchülerInnen pro Stand-PC	6,51	8,87	11,35
Anzahl d. SchülerInnen pro Computer (Stand-PCs + Notebooks)	5,91	8,12	11,32
Qualität der Computer			

	Allgemein bildende Schulen (ABS)				Berufliche Schulen	Gesamt	Anzahl Länder-meldungen
	Primarbereich (Kl. 1-4)	Sek. I u. II	Förder-schulen	ABS Summe			
1.2 Computerverfügbarkeit							
Stationäre Computer pro Schule (gesamt)	21	53	27	34	109	40	13
Mobile Computer ⁴⁾ pro Schule (gesamt)	2	7	3	4	14	5	13
(Schülereigene) Notebooks in Notebook-Klassen pro Schule (gesamt)	0	2	1	1	8	1	10
Computer pro Schule (insgesamt)	23	61	30	38	126	46	13
SchülerInnen ⁵⁾ pro stationären Computer	9	11	5	10	10	10	12
SchülerInnen ⁵⁾ pro mobilen Computer	138	75	54	88	89	88	12
SchülerInnen ⁵⁾ pro (schülereigenes) Notebook in Notebook-Klassen	534	285	222	369	212	313	10
SchülerInnen ⁵⁾ pro Computer (insgesamt)	9	10	5	9	8	9	12

IKT-Studie Deutschland
Schuljahr 2007/08

European Survey of Schools: ICT in Education

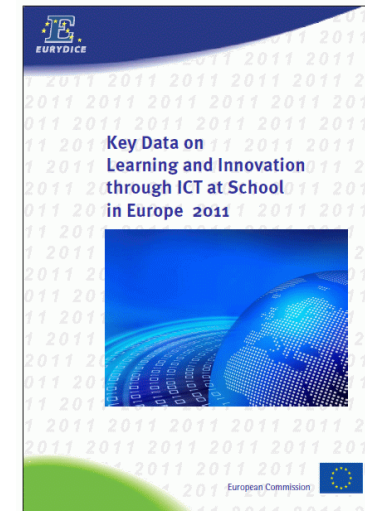
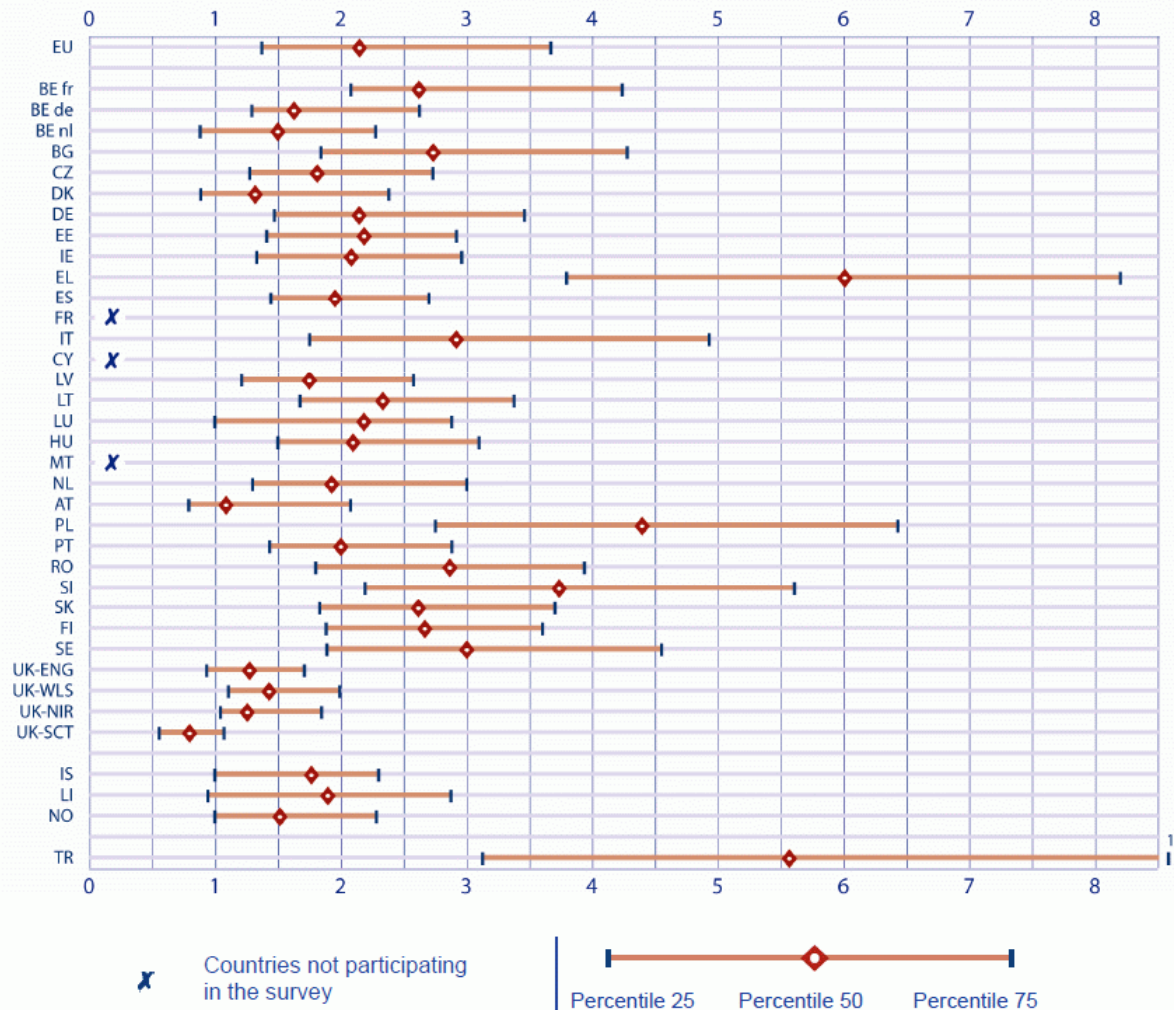
Neue Erhebung 2011-2012 europaweit



- Students' digital **competence and attitudes** towards ICT
- Students' ICT use **in /out of classroom**
- Teachers' professional ICT use in/out of classroom
- Teachers' attitudes towards pedagogical ICT use
- School infrastructure, connectivity and ICT access
- **School leadership** in ICT and ICT for pedagogy

Learners to computer ratio Internationaler Vergleich

Figure E3: Distribution of student/computer ratio in schools attended by pupils aged 15, 2009



Key Data on Learning and Innovation through ICT at School in Europe, EURYDICE 2011

Problematik der Vergleichbarkeit des empirischen Datenmaterials!

IKT-Infrastrukturen von Schulen im internationalen Vergleich

Internationales Monitoring

Indikatorenliste 2008

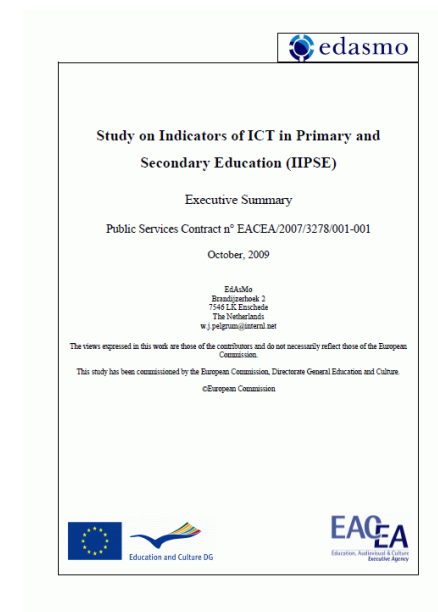
UIS-proposed core indicators for measuring ICTs in education

Indikatorenliste 2009

Key policy questions addressed in the development of the UIS ICT in education indicators

Indikatorenliste 2009

Supplementary indicators on ICT in education



Study on Indicators of ICT in Primary and Secondary Education (IIPSE), 2009

IKT-Infrastrukturen von Schulen im internationalen Vergleich

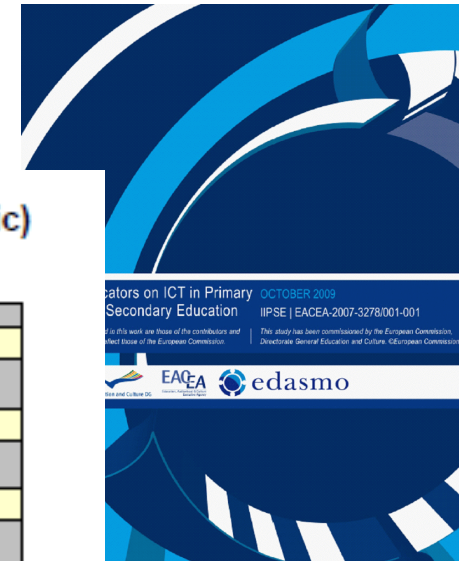
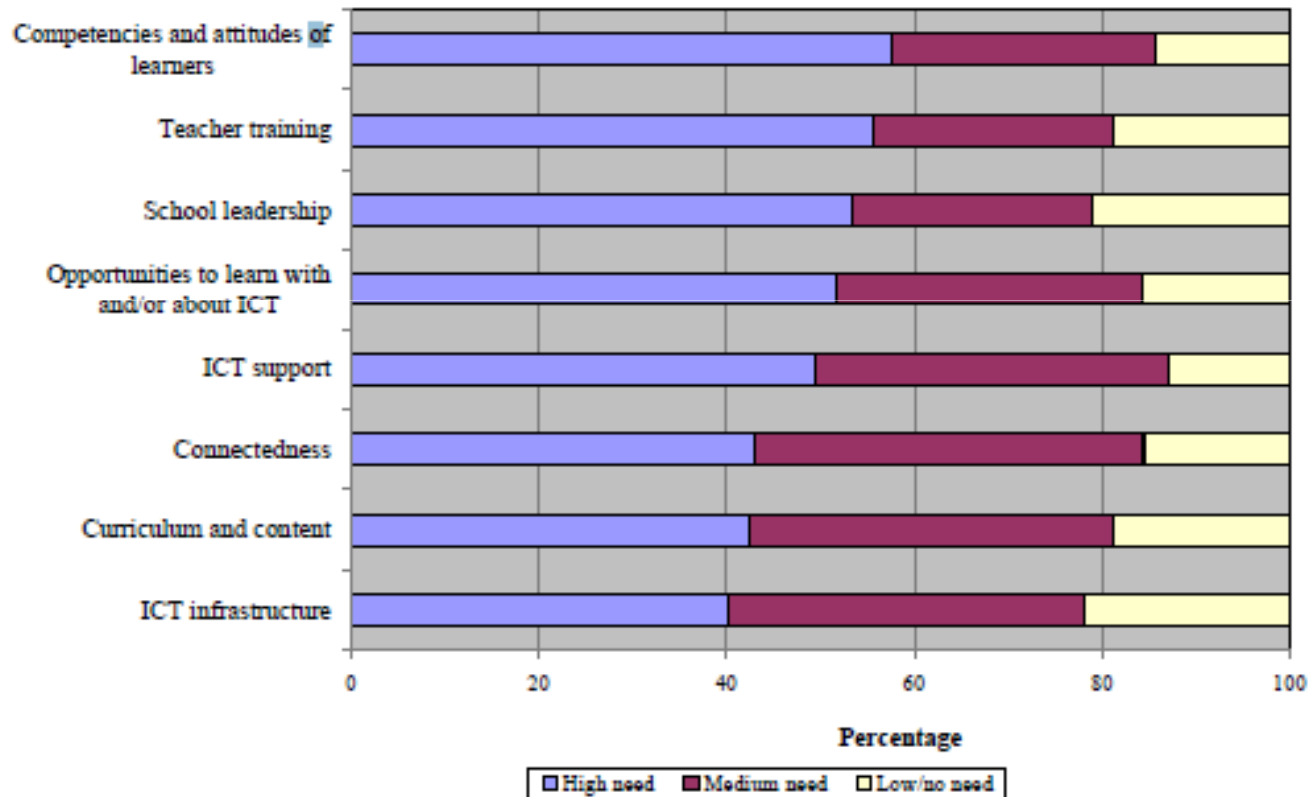
Infrastructure	EDR1	Proportion of schools with electricity (for ISCED levels 1-3)
	ED1	Proportion of schools with a radio used for educational purposes (for ISCED levels 1-3)
	ED2	Proportion of schools with a television used for educational purposes (for ISCED levels 1-3)
	ED3	Proportion of schools with a telephone communication facility (for ISCED levels 1-3)
	ED4	Leamers-to-computer ratio in schools with computer-assisted instruction (for ISCED levels 1-3)
	ED4bis	Leamers-to-computer ratio (for ISCED levels 1-3)
	ED5	Proportion of schools with internet access by type (for ISCED levels 1-3) <ul style="list-style-type: none"> • Any type of Internet access • Fixed narrowband Internet access (using modem dial-up, ISDN) • Fixed broadband Internet access (DSL, cable, other fixed broadband) • Both fixed narrowband and broadband Internet access
	ED22	Proportion of schools with computer-assisted instruction (for ISCED levels 1-3)
	ED23	Proportion of schools with Internet-assisted instruction (for ISCED levels 1-3)
	ED24	Proportion of educational institutions owning licence for or subscribing to scientific digital libraries (for ISCED levels 1-3, level 4 and levels 5-8)
ED24bis	Proportion of educational institutions owning licence for or subscribing to virtual experiment laboratories (for ISCED levels 1-3, level 4 and levels 5-8)	
Teaching staff development	ED25	Ratio of learners-to-computer connected to internet (for ISCED level 1-3)
	ED26	Average number of computers per educational institution (for ISCED levels 1-3, level 4 and levels 5-8)
	ED27	Average number of computers connected to the Internet per educational institution (for ISCED levels 1-3, level 4 and levels 5-8)
	ED28	Proportion of student-owned computers available for pedagogical purposes (for ISCED level 4 and levels 5-8)
	ED29	Proportion of all computers available for pedagogical purposes (for ISCED levels 1-3, level 4 and level 5-8)
	ED30	Proportion of all computers available for administrative purposes (for ISCED levels 1-8)
	ED31	Proportion of schools with a website (for ISCED levels 1-3)
	ED32	Proportion of schools with a website hosting students' and teachers' blog pages (for ISCED levels 1-3, level 4 and levels 5-8)
	ED33	Proportion of educational institutions offering ICT-enabled distance education programmes (for ISCED levels 5-8)
	ED8	Proportion of ICT-qualified teachers in primary and secondary schools (for ISCED levels 1-3)
ED34	Proportion of schools with ICT support services (for ISCED levels 1-3)	
ED35	Proportion of primary and secondary-school teachers trained via ICT-enabled distance education programmes (for ISCED levels 1-3)	
ED36	Proportion of primary and secondary-school teachers who teach basic computer skills (or computing) (for ISCED levels 1-3)	
ED37	Proportion of primary and secondary-school teachers who currently teach subject(s) using ICT facilities (for ISCED levels 1-3)	
ED38	Proportion of primary and secondary-school teachers trained to teach subject(s) using ICT facilities (for ISCED levels 1-3)	
ED39	Ratio of learners-to-teachers of basic computer skills (or computing) (for ISCED levels 1-3)	
ED40	Ratio of learners-to-teachers using ICT to teach (for ISCED levels 1-3)	

Monitoring und mehr Prozessorientierung?

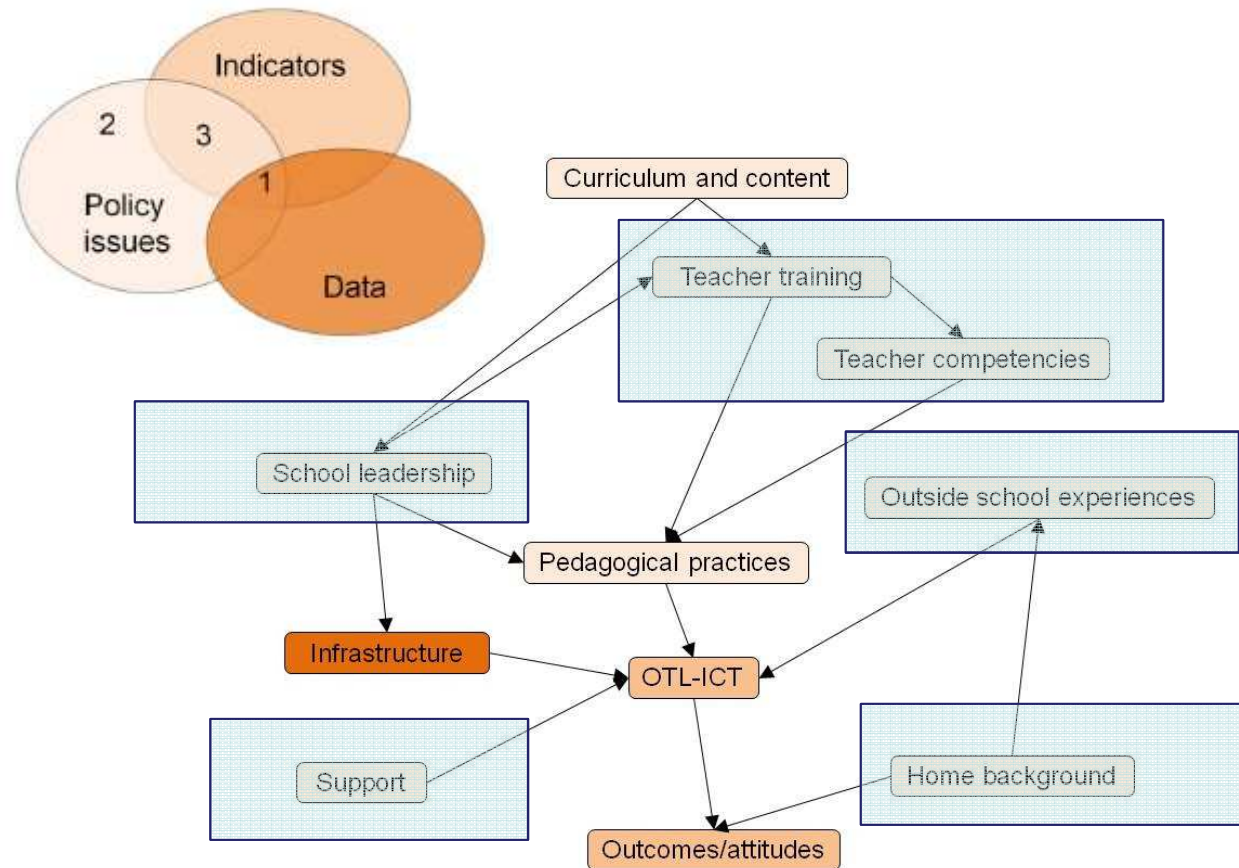
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Die Universität für Weiterbildung

Entwicklung des Monitoring

Chart 3.3: Monitoring needs per general topic (averaged across areas per topic)



From Policy Issues To Conceptual Framework - Ausblick



Indicators of ICT in Primary and Secondary Education (IIPSE), 2009

Abb.: Main concepts for monitoring ICT-Use and Impact



Danke für Ihre Aufmerksamkeit!

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