OER and other free accessable educational content in Germany

Data collected from 4 central referatories

Legend

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B	other CC licences that restrict NC or ND
C	other free access i.e. school broadcast
D	licence information is missing

Fach	Subject	Elementary Sector 2.800 — Kita.bayern, WirLernenOnline 2.290 A	B	C	D	Mundo 401 A	B	C	D	School Sector 284.600 — WirLernenOnline 223.771 A	B	C	D	Mundo 60.825 A	B	C	D	Vocational / Aduld edu. 24.700 — WirLernenOnline 16.561 A	B	C	D	Mundo 8.070 A	B	C	D	Higher Education Sector 81.100 — OERSI.org 76.992 A	B	C	D	WirLernenOnline 4.173 A	B	C	D
		772	151	934	433	91	6	286	18	37.199	9.468	71.451	105.653	17.317	7.576	35.113	819	3.576	1.026	8.821	3.138	2.787	1.687	3.546	50	40.977	31.343	0	4.672	923	181	3.021	48
Total OER (rounded):		900								54.500								6.400								41.900							
Geisteswissenschaften	**Humanities**																									2.730	1.928		316				
Ethik	Ethics	3		10	1				2	881	101	1.143	898	445	470	1.560	29	46	31	138	9	5	173	232						8	8	45	2
Geschichte	History	2	1	8					2	2.054	654	4.046	11.162	428	285	927	7	61	52	225	7	132	57	40						12	1	418	
Philosophie	Philosophy	2		5						348	37	1.187	768	46	28	514	2	24	18	109	6	1	6	15						9	7	42	2
Religion	Religion	73	37	34	380				1	2.000	1.072	1.543	10.498	110	378	844	15	381	267	100	2.448		32	6	1					6	2	31	6
Sprache	**Culture & Languages**																																
Interkulturelle Bildung	Intercultural Education			1					2	8	1	377	262	2	80	325	4	4		11	1	2	29	12						3		1	
Alt-Griechisch	Ancient Greek	1								3		6	3	2	1	10		1		3	1	1		1									
Chinesisch	Chinese as 2nd language									1		2	1	1				1		2	1									1			
Englisch	English as 2nd language	5	2	16						1.635	39	2.384	5.217	101	217	615	3	86	6	358	48	8	4	2						12		139	1
Esperanto	Esperanto as 2nd language												1																				
Französisch	French as 2nd language			10						227	16	612	2.465	23	25	377		105	10	281	20	1			2					6	1	29	2
Griechisch	Greek as 2nd language																																
Deutsch	German as 1st language	19	3	26	1			19	2	2.714	80	3.333	9.079	304	162	1.740	16	206	8	150	26	39	25	29						57	3	55	2
Deutsch als Zweitsprache	German as 2nd language	15	17	57	2					1.657	36	2.168	6.002	127	7	4	1	454	11	652	11									81	5	346	
Italienisch	Italian as 2nd language			1						33		32	840	4	1	3		2		16	9	1	1	2						2		5	
Latein	Latin			1						106	2	49	2.406	48	13	75		2		10	8	43		1						1		1	
Niederdeutsch	Low German									1																							
Russisch	Russian as 2nd language			1					1	4		17	565	2		49	3	1		9	1	1		1						1		1	
Sorbisch	Sorbian as 2nd language											1	1							1													
Spanisch	Spanish as 2nd language	1		22						247	63	1.272	1.246	10	18	117	3	193	49	1.135	30	1		2						50	25	603	
Türkisch	Turkish as 2nd language	3		11	1					18	5	208	5	1		1		8	2	194	4	1		2								8	4
Sport	**Sports**																									197	38		11				
Sport	Sport	18		56						217	49	771	938	54	32	111	4	28		116	1	21	5	14						13		17	
Rechts-, Wirtschafts- und Sozialwissens	**Legal, Economics, Social Sciences**																									3.105	3.383		207				
Wirtschaftskunde	Economics	1		1						513	185	1.526	44	684	690	748	27	265	97	322	15	176	63	339	1					14	6	26	
Wirtschaft und Verwaltung	Economy & Administration									5	1	26	12	120	36	105		18	1	17		78	17	86						1		3	
Pädagogik	Education	22	1	26	2					73	35	269	111	8	78	42		45		151	12	17	42							17	3	50	
Mediendidaktik	Media Didactics	17		12	2		4	13	2	187	8	188	53	256	482	494	45	68	7	48	25	40	105	55						10		2	1
Medienbildung	Media Literacy	148	37	41	6					685	191	531	91					251	72	165	48									35	2	8	2
Politik	Politics	9	19	15	1				1	875	1.209	3.362	5.753	571	488	1.427	54	135	194	540	16	86	243	291	1					9	4	30	
Psychologie	Psychology			1						15	3	427	552	2	97	180			1	12	3	1	84	91	20					1		3	
Sexualerziehung	Sex Education											3	1	14	2	26	4		1	11	2												
Sozialpädagogik	Social Education	4		13						49	64	610	53	1	9	9		17	19	99	6	1		3								11	
Gesellschaftskunde	Social Studies	2	1	1				1	2	347	8	335	337	154	175	136	31	20	2	27	13	24	96	18						5		11	
Sonderpädagogik	Special Education	2		4	1					4		14	14		9	73		7		11	9	1	5	64						5		11	
Verkehrserziehung	Traffic Education			1						1		1	14	69	68	67	7			50				14	1								
Arbeitssicherheit	Work Safety									1		12	2		7	247		1		34				6	247								
Arbeitslehre	Work Science	1						1		108	1	367	222	210	48	570	2	3		8	8	151	27	159									2
Mathematik, Naturwissenschaften	**Mathematics, Science**																									6.144	12.979		1.639				
Astronomie	Astronomy			1				2		163	428	2.005	446	43	11	146	2	2		38	1	1		7						2		2	
Sachunterricht	Basic Science Course	8	1	62		40	1	213	2	932	26	1.173	2.860	1.855	248	1.473	110	18		66	21	161	2	12	4					12		5	
Biologie	Biology	7	2	32	3	2			6	1.861	1.121	1.586	4.160	1.832	396	803	98	28	7	148	15	403	44	45	6					8	1	55	
Chemie	Chemistry	2	1	51						2.137	895	3.465	2.187	1.632	206	285	31	35	7	812	22	165	62	50						7	4	106	1
Geografie	Geography	2	3	5						1.631	36	724	4.172	2.392	755	195	50	37	3	48	12	293	91	13	1					27	1	36	1
Mathematik	Mathematics	10	1	18	1	1			6	7.867	799	7.470	14.955	1.500	832	990	11	32		68	48	78	9	5	1					37	1	13	
Physik	Physics	4	1	30		36			12	2.306	1.345	5.894	325	2.056	315	944	80	29	10	861	9	58	8	602	2					165	73	26	
MINT	STEM		1	4				2		47		5.592	20	18		8		8		26	3	2		8						3		11	2
	Human Medicine, Health Sciences																									292	728		293				
Gesundheit	Health			7				1	1	218	384	487	29	52	21	424	26	3		64		8	10	301									1
Agrar-, Forst-, Ernährungswissenschaft	**Agriculture, Forestry, Nutrition, Vet. Med.**																									166	54		47				
Ernährung und Hauswirtschaft	Nutrition, Housekeeping			15						68	15	280	25	25	20	4	14	2	1	66	1	19	8	4	2							3	

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Legend

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A	OER Public Domain, CC0, CC-BY, CC-BY-SA
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Sector totals: Elementary Sector 2.800 · School Sector 284.600 · Vocational / Aduld edu. 24.700 · Higher Education Sector 81.100

Source totals: Kita.bayern, WirLernenOnline 2.290 · Mundo 401 · WirLernenOnline 223.771 · Mundo 60.825 · WirLernenOnline 16.561 · Mundo 8.070 · OERSI.org 76.992 · WirLernenOnline 4.173

Fach	Subject	Kita/WLO A	B	C	D	Mundo A	B	C	D	WLO(S) A	B	C	D	Mundo(S) A	B	C	D	WLO(V) A	B	C	D	Mundo(V) A	B	C	D	OERSI A	B	C	D	WLO(H) A	B	C	D
Source totals		772	151	934	433	91	6	286	18	37.199	9.468	71.451	105.653	17.317	7.576	35.113	819	3.576	1.026	8.821	3.138	2.787	1.687	3.546	50	40.977	31.343	0	4.672	923	181	3.021	48
Total OER (rounded):		900								54.500								6.400								41.900							
Umweltgefährdung, Umweltschutz	Environmental Risks & Protection	1		7					4	26	16	397	93	182	115	378	22		2	55	4	92	58	86	2							1	5
Agrarwirtschaft	Agriculture	1						1		1	1	12	6	79	21	23	8			8	2	66	5	16	1								
Ingenieurwissenschaften, Arbeitslehre	**Engineering**																									19.227	10.879		1.865				
Farbtechnik und Raumgestaltung	Color technology and interior design									1						2								2						2			
Informatik	Computer Science	23	2	12		1				2.225	128	3.593	445	685	255	489	50	153	47	174	36	69	114	77						33	4	44	
Elektrotechnik	Electrical Engineering							1		25	17	63	5	15	7	13		4	1	15	2	3	7	12								3	
Werken	Handicrafts (school sector)	1								3	1	11	471	5	7	3	1			3				1								1	
Hauswirtschaft	Housekeeping									5		22	27	29	1	1	10	1		3	27	14		1	1					1			
Metalltechnik	Metal Technology											23	60	12	36	8				3	14	12	32	6								1	1
Bautechnik	Structural Engineering									2		4	1	92		16				1	2	90	6	15									
Textiltechnik und Bekleidung	Textile Engineering, Clothing									1		3				7				3	2			6									
Holztechnik	Wood technology									2		2	1		4	2				3			3	2									
Berufliche Bildung	professional orientation (in schools)							1	2	32	35	454	4.974	266	226	580	18	47	10	93	5	313	167	447	3					1	1	39	2
Kunst, Kunstwissenschaft	**Art**																									1.195	668		65				
Kunst	Art	16	1	132					1	493	35	2.716	242	358	107	277	2	28	10	189	8	13	12	4						11	10	13	2
Darstellendes Spiel	Acting	1		32						77	15	610	20	2		1		8	3	99	1									14	3	153	1
Musik	Music	5		13	1	1		1	6	191	34	1.681	2.090	239	40	2.006	19	4	2	32	18	6	8							12	5	27	5
Allgemein, Sonstiges, Unzugeordnet	**General, Miscellaneous, Unallocated**																									7.921	686		229				
(missing value)	- missing value -									1	1																						
Allgemein	General	269	15	25	25	7		1	1	974	199	5.280	8.327	147	32	14.636	10	358	39	471	80	26	10	98	1					95	5	294	5
Nachhaltigkeit	Sustainability	2	1	77	1					534	56	817	54					69	7	335	3									25	1	169	3
Open Educational Resources	Open Educational Resources*	58	2	3	2					148	4	9	10					105	3	8	3									11		1	
Sucht und Prävention	Addiction and Prevention																																
Ukrainische Schulbücher	ukrainian textbooks (several subj.)																																
Zeitgemäße Bildung	Contemporary Education*	11		29						182	9	215	16					83	4	146	2									20	2	103	1
Weiterbildung	Further Training	1	1	1						11	7	10	5	4	9	3		45	7	11	4	1	6	2						38		2	1
Sonstiges	Miscellaneous	1		1						8		22	2					38		22	1									36		19	1

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WirLernenOnline — Freie Bildung zum Mitmachen

	Elementary Sector 2.800								School Sector 284.600								Vocational / Aduld edu. 24.700								Higher Education Sector 81.100							
	Kita.bayern, WirLernenOnline 2.290				Mundo 401				WirLernenOnline 223.771				Mundo 60.825				WirLernenOnline 16.561				Mundo 8.070				OERSI.org 76.992				WirLernenOnline 4.173			
Subject	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
	772	151	934	433	91	6	286	18	37.199	9.468	71.451	105.653	17.317	7.576	35.113	819	3.576	1.026	8.821	3.138	2.787	1.687	3.546	50	40.977	31.343	0	4.672	923	181	3.021	48

Fach / **Subject**

| Total OER (rounded): | 900 | | | | | | | | 54.500 | | | | | | | | 6.400 | | | | | | | | 41.900 | | | | | | | |

""""The table represent so far centrally* collected OER and other free accessable content according to the knowledge of the WLO team as of October 2023.
* This includes the inventory of:

1.
KITA.bayern, which started to compile content in the elementary sector. The data was requested from the WirLernenOnline.de referatorium.
The content is available via KITA.bayern and WirLernenOnline. Number of active user see WirLernenOnline.

2.
WeLearnOnline launched its search engine in April 2020 with more than 30,000 free educational contents to support schools in the Corona pandemic.
Today more than 200.000 materials have being collected from all education sectors, AI and other automatic metadata generators and quality checks are being developed.
This Project has been founded by the German OER Community (Bündnis Freie Bildung and JOINTLY.info Project) and has been funded by the German government*.
The WirLernenOnline.de portal has 600.000 user (The main target group of German teachers at general schools comprises 790,608 teachers)
Concepts and technical solution are under free licences.

3.
Mundo.schule since autumn 2020 is the showcase of Sodix, a referatory commissioned by the German states.

4.
OERSI.org, which indexes OER from the Länder referatoriums in the higher education sector.

These referatories collect largely free accessable content. Just the first column is known as OER.
 - OER includes the following licenses: CC0, CC-BY, CC-BY-SA, PDM
 - other CC includes creative commons licences which restrict non commercial (NC) or non derivates (ND)
- other free access includes free accessable content with other licences including copyright, for instance school broadcast
- missing metadata counts all contents where no licence is tagged. Reusable and editable content is also believed to be included in this set, but the publishers did not clearly indicate this.

Estimated overlapping of 10% between WirLernenOnline and Mundo sources have been eliminated.

*The JOINTLY.info and WirLernenOnline.de (WLO) projects funded by the German Federal Ministry of Research and Education (BMBF) made it possible to compile these statistical figures. The OERinfo funding programme enabled to start cooperation for the preparation of data formats and technical interfaces through which metadata and statistical analyses are possible today.

This data do not present the complete sum of all OER in Germany. From our point of view, the 4 projects seem to be the OER development projects of the respective educational sectors with the largest content inventory. They are indexing other units, but have not yet indexed all the content stocks in Germany.

We hope that this first statistic can revitalise the communication in Germany about a common systematic statistical collection. For this purpose, concepts from cooperations around JOINTLY.info and technical preliminary work from WirLernenOnline can be used. Such statistical overviews shall be integrated in central OER Websites like OERinfo and WirLernenOnline or OERSI.
""   "