«Language, Society and IT»
2nd Russia-wide Applied Science conference
city of Kazan, 17-18 February 2023

[[tt]]

[[ru]]

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Modern Language Communicative Value

Quantitative Assessment Criteria

Farhad Fatkullin and co-authors

these slides with hyperlinks @ w.wiki/6LUJ

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Wikimedia Resources for Education, Learning and growing the body of knowledge

Abdulla A. Khamidullin
Bogatye Saby, 18.10.2019
w.wiki/Dp3

Russian committee of UNESCO Information for All Program, Russian Federal Agency for Ethnic Affairs, Russian Federation State Program «Implementation of State National Policy» and International Decade of Indigenous Languages, etc. «Preservation and Development of Native Tongues within a Multiethnic State: Language Policy, Challenges and Prospects» Interregional Scientific-Practical Conference, Kazan, 20-21.06.2022

Digital Ecosystem for Tatarstan's Linguistic and Cultural Diversity Sustainability. What, why and how?

Farhad Fatkullin
«Role of ICT in Language Preservation» section, Republic of Tatarstan Academy of Sciences Sh.Mardjani Institute of History
https://w.wiki/5Sc4

Happy to share topical experience and developments within International Wiki-Volunteers' Community!

Modern Language Communicative Value: Quantitative Assessment Criteria   https://w.wiki/6LUJ

«**A language without own Wikipedia has no chance** [for long-term sustainable digital existance]».

PLOS ONE, Digital Language Death, András Kornai и др., 22.10.2013 https://doi.org/10.1371/journal.pone.0077056

«Growing Wikipedias in the languages of Russia» w.wiki/DoY

Share of extinct biological species by ear (mln yrs BCE)

https://w.wiki/HPv   https://w.wiki/66nL

Online course @ https://stepik.org/course/100094/

But the scale of the necessary effort is already different

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Digital Transformation is like a Circular Defence

Providing *each and every* member of your team with *everything necessary* to be ready and qualified to *decide* and *act autonomously* on *any matter* faced with
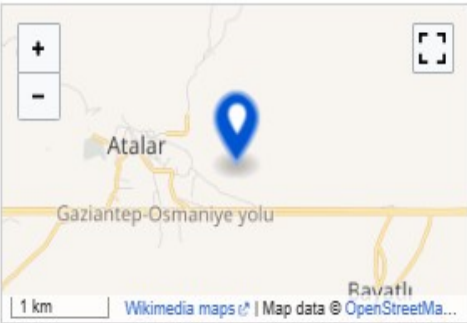
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2023 Turkey–Syria earthquakes (Q116691303)

point in time	6 February 2023
	refine date 01:17:35
	located in time zone UTC+03:00
coordinate location	
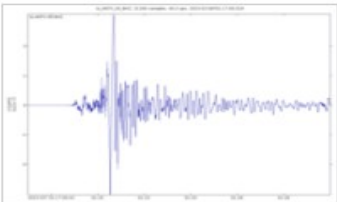
37°10'26"N, 37°1'55"E

vertical depth	17.9 kilometre

▸ 1 reference

schematic	

Turkey magnitude 7.8 earthquake (3-17 AM, 6 February 2023) 1.png
1,000 × 700; 685 KB

depicts   seismogram

Language Sustainability

Criterion:

«An ability to use target language

as a mean to access, process and share

all necessary information and services

in the highest possible quality

from anywhere in the Universe

immediately and

always»

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Culture — an ability to generate, transfer and store useful information non-genetically

Information — a set of data allowing quality decision-making on process transformation

Language — a communication protocol

Users — nods in information generation, storage, transformation and exchange network

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Wikidata (2012 - ...)

10x xxx xxx phenomena with semantic descriptors, qualifiers and links

Lexicographic data (2016 - ...)

Parts of speech, declension, conjugation, etc.

Wikifunctions (2020 - ...)

rank(Saint Petersburg, city, 2, population, Russia))
«Saint Petersburg is the 2nd largest city of Russia by population.»

Tatar horse served my ansectors,

KamAZ trucks were made by pas...

Parents used smartphones for browsing,

God knows only what comes next!

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Language [[MainPage]]	Code [[Category:]]	Labels number	Labels %	Descriptions number	Descriptions %	Lexemes number	Forms number	Sense number
English	en	86534411	85	84304578	82.8	72561	132029	30160
French	fr	21394767	21	50751745	49.8	19271	325157	9482
German	de	21147425	20.8	65515077	64.3	213398	550155	10269
Spanish	es	20974374	20.6	43824405	43	30480	352459	10425
Russian	ru	**8775094**	**8.6**	**39399582**	**38.7**	101554	1238078	12833
Arabic	ar	6361419	6.2	51285699	50.4	1384	310	136
Chinese	zh	6317996	6.2	34690543	34.1	4322	4458	3995
Farsi	fa	2773491	2.7	15532782	15.3	6768	11417	7425
Turkish	tr	1980389	1.9	33405809	32.8	225	188	189
Hindi	hi	1185205	1.2	8194601	8	1407	2430	1892

Comparative table of some large user base languages

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Language [[MainPage]]	Code [[Category:]]	Labels number	Labels %	Descriptions number	Descriptions %	Lexemes number	Forms number	Sense number
Russian	ru	8775094	8.62	39399582	38.68	101554	1238078	12833
Finnish[*]	fi	7274103	7.14	34355848	33.73	636	8383	569
Ukrainian[*]	uk	6093531	5.98	59582944	58.5	16258	507956	283
Azerbaijani[*]	az	1041742	1.02	1007804	0.99	28	22	22
Chechen	ce	990769	0.97	1186533	1.16	10	1	10
Tatar	tt	980788	0.96	6509824	6.39	8	0	8
Kazakh[*]	kk	936517	0.92	929021	0.91	20	2	18
Chuvash	cv	727163	0.71	786208	0.77	11	1	11
Ossetian	os	685107	0.67	808088	0.79	7	1	7
Yiddish[*]	yi	677620	0.67	2889421	2.84	276	704	330
Meadow-Eastern Mari	mhr	669640	0.66	679351	0.67	3	1	3
Bashkir	ba	594414	0.58	6570985	6.45	16	3	14
Veps	vep	517757	0.51	31895	0.03	15	34	17
Erzya	myv	494156	0.49	31494	0.03	10	2	9
Sakha (Yakut)	sah	475916	0.47	240898	0.24	8	0	8

Digital communication readiness for languages of Russia

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Modern Language
Communicative Value:
Quantitative assessment evaluation

Materials of the work:

[[tt]]

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https://w.wiki/6JVY

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https://w.wiki/6KHa