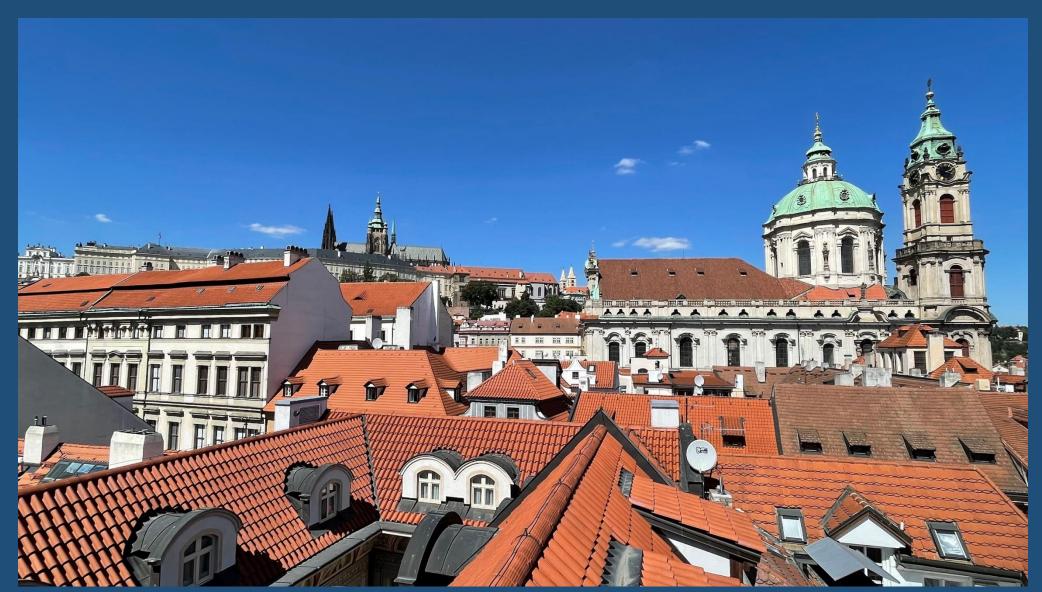
Presentation by local National Coordinator

CLARIN Annual Conference October 10-12, 2022 Prague, Czech Republic

Eva Hajičová, Barbora Hladká, Martin Popel



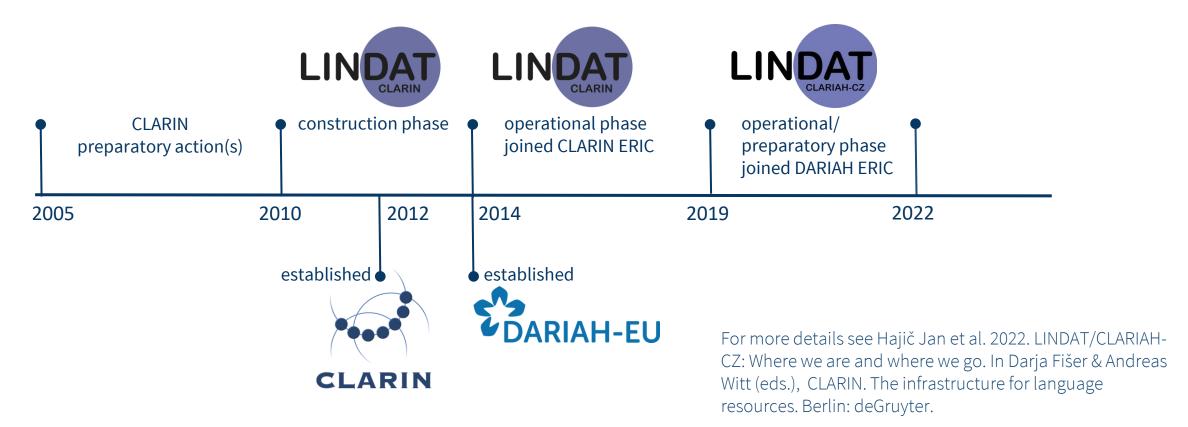
Welcome to Prague





About LINDAT/CLARIAH-CZ (http://lindat.cz)

Digital Research Infrastructure for the Language Technologies, Arts and Humanities

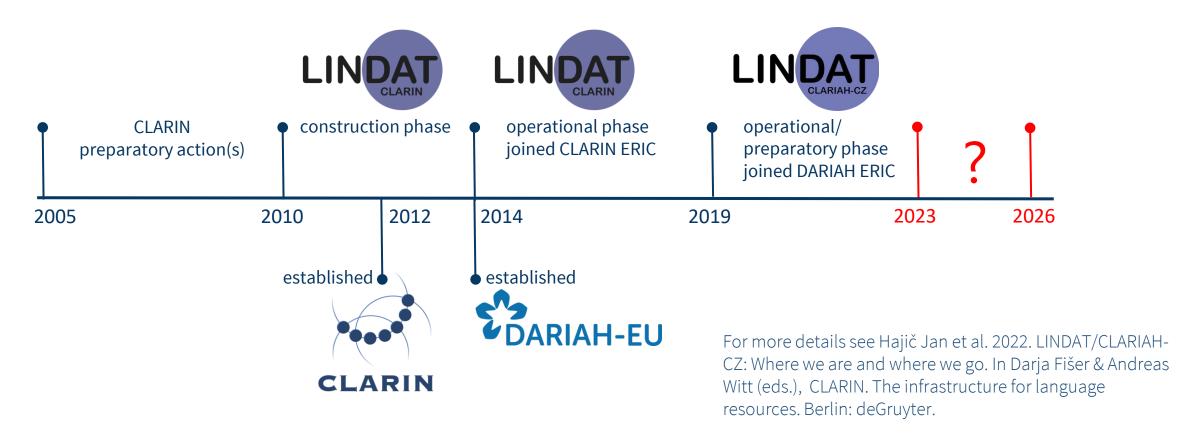


The LINDAT/CLARIAH-CZ PROJECT (LM2018101) is fully supported by the Ministry of Education, Sports and Youth of the Czech Republic under the programme LM of "Large infrastructures".



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Faculty of Mathematics and Physics, Charles University



Faculty of Arts, Charles University



Faculty of Arts, Masaryk University



Faculty of Informatics, Masaryk University



Faculty of Applied Sciences, University of West Bohemia in Pilsen



Library of the Czech Academy of Sciences



Moravian Library in Brno

National Library of the Czech Repul

National Library of the Czech Republic



Národní filmový archiv



National Gallery Prague



Czech Language Institute of the Czech Academy of Sciences



Institute of History of the Czech Academy of Sciences



Institute of Philosophy of the Czech Academy of Sciences 13 partners

* Center for Visual History Malach provides access to foreign oral history resources in the Holocaust and genocide research domains



- 4 new partners from European Holocaust Research Infrastructure (EHRI-CZ)
- oral + written resources



Terezín Initiative Institute









As of Oct 1, 2022

•	# items	(metada + data)) 1,395
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data volume4.4 TB

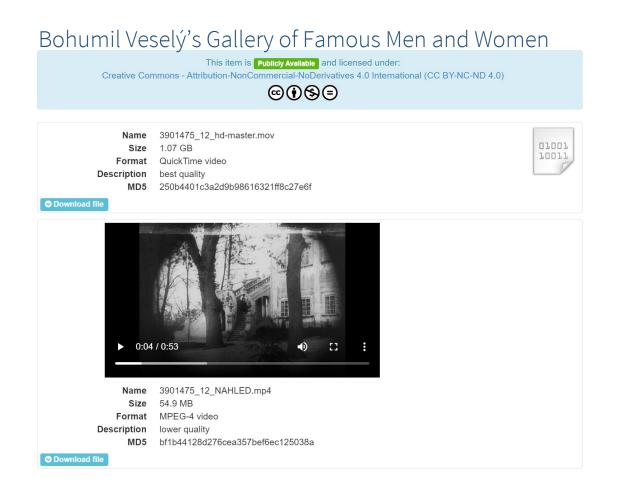
•	# uniqu	ue down	loads I	by unregistered	users for	fully c	open d	ata	540k

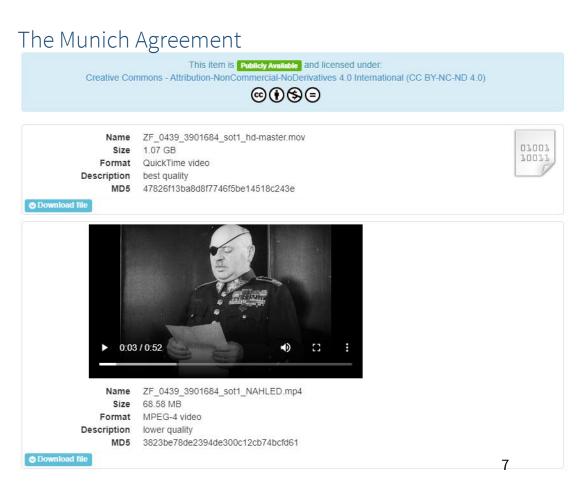
- # downloads of items that require signing a license 1,200
- # registered users (only needed to submit data or sign a license) 1,218



Data repository

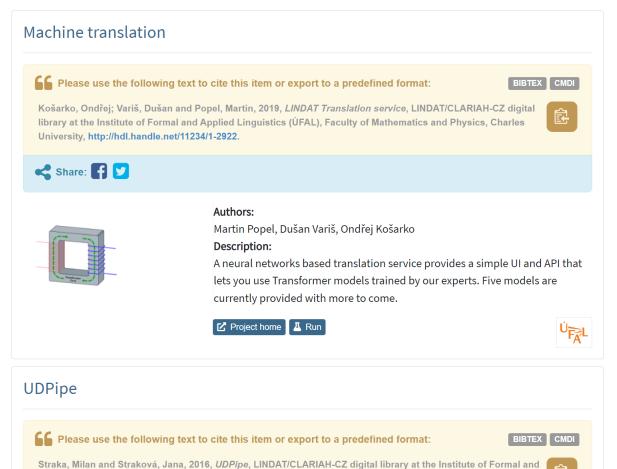
Non-linguistic content as well, e.g., collections created by the National Film Archive





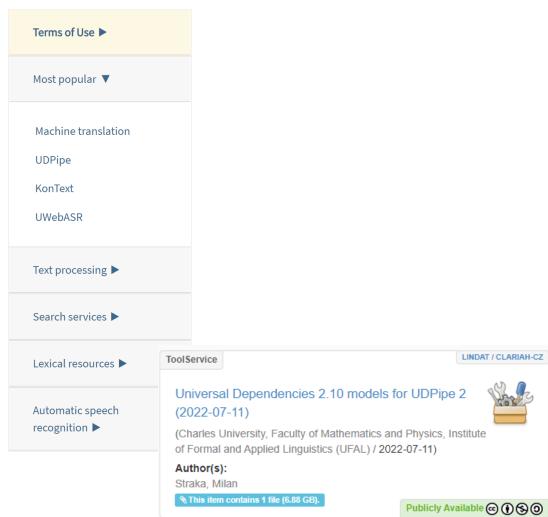


Language services



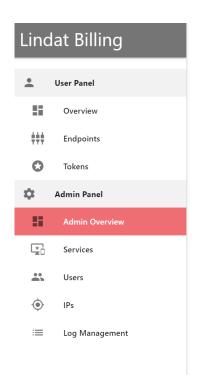
Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics, Charles University, http://hdl.handle.net/11234/1-

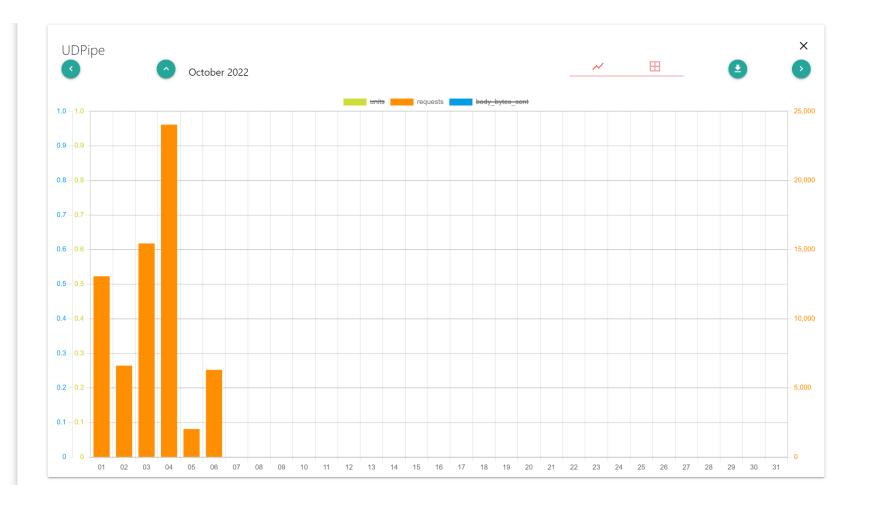
1702.





Language services









LINDAT/CLARIAH-CZ € Institute of Formal and Applied Linguistics € Charles University





Congratulations to Martin Popel and his u4u team on winning the Steven Krauwer Award

10

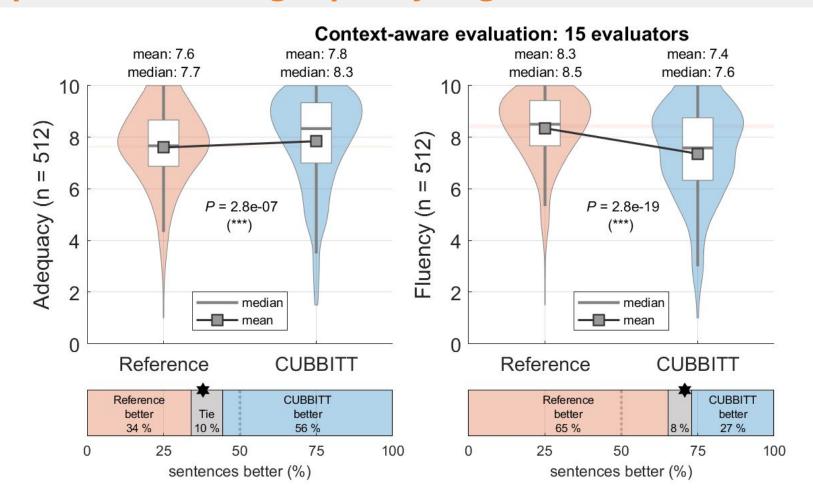
March 1, 2022: Hi folks,
 Shouldn't we build a Czech-Ukrainian translator and put it on Lindat?

Many people use Google Translate that pivots through English and a direct translator would be better.

Best, Jindřich



Experience with high-quality English-Czech NMT



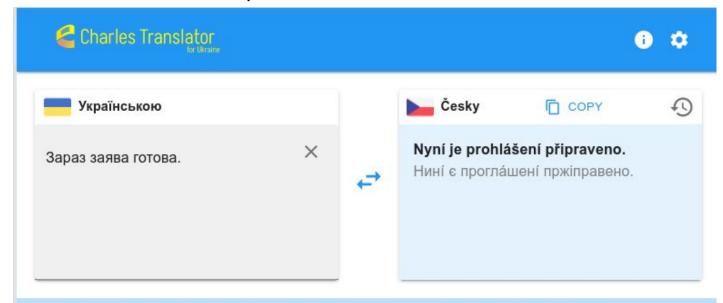
Experience with high-quality English-Czech NMT



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- March 12: hackathon to develop a new frontend



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- May 24: Android app









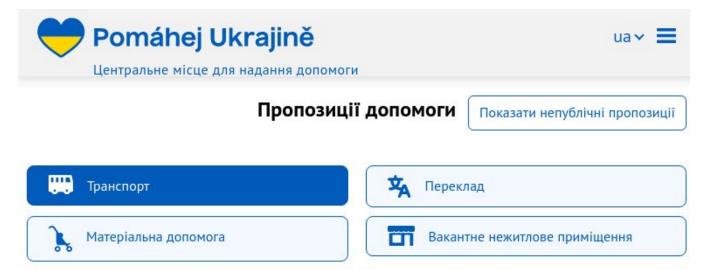
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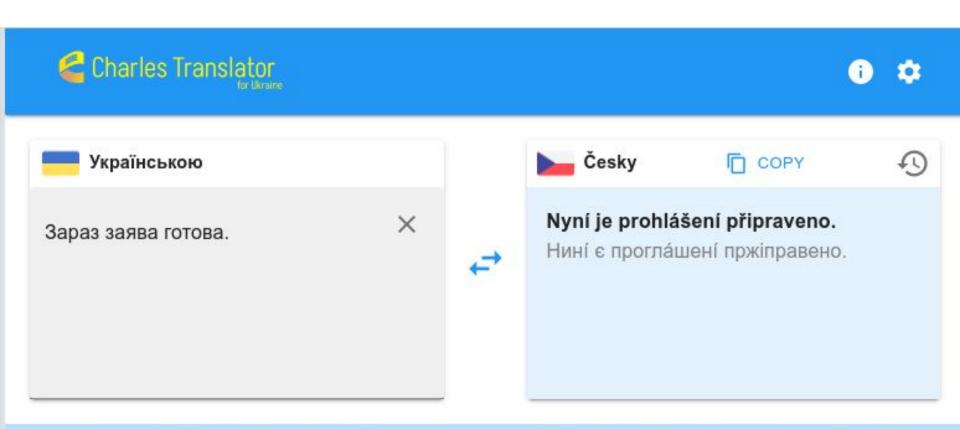
- May 24: Android app
- since September: evaluating 11 systems in WMT22 shared task



Why to develop our own MT?

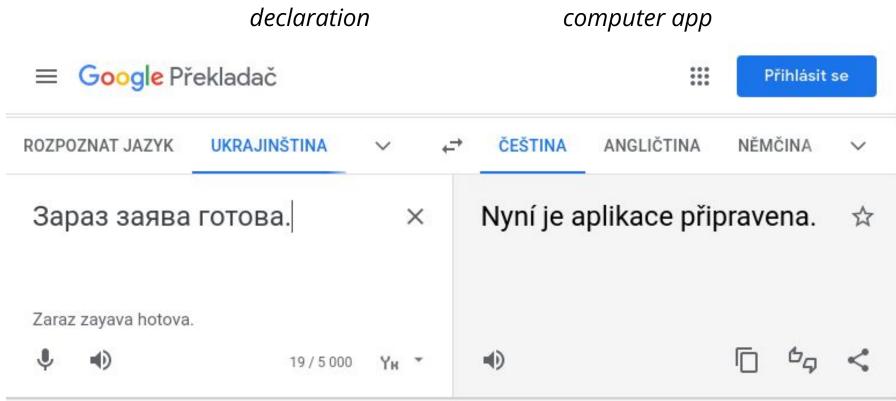
- Quick solution until Big Tech companies improve their Ukrainian models
- Direct translation (not pivoted through English)
- Collect "in-domain" test set
- Focus on the needs of refugees and humanitarian organizations
- Offer free API (and on-premise for sensitive data)

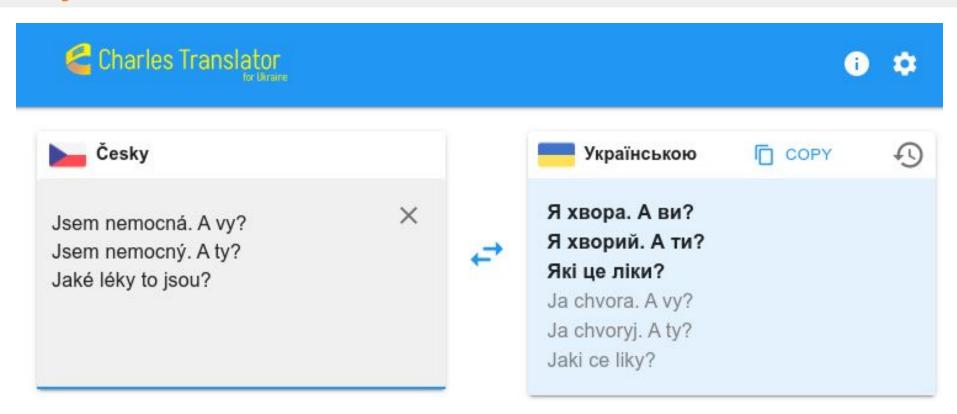




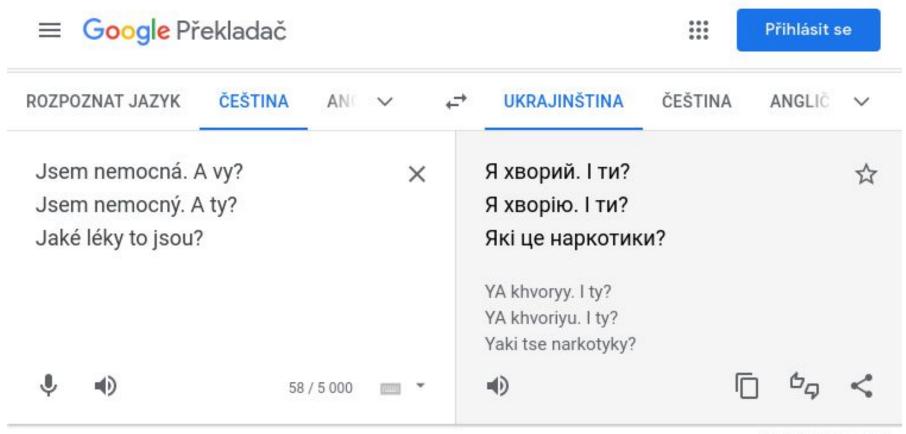
THE LINDAT/CLARIAH-CZ PROJECT (LM2018101; formerly LM2010013, LM2015071) IS FULLY SUPPORTED BY THE MINISTRY OF EDUCATION, SPORTS AND YOUTH OF THE CZECH REPUBLIC UNDER THE PROGRAMME LM OF LARGE INFRASTRUCTURES



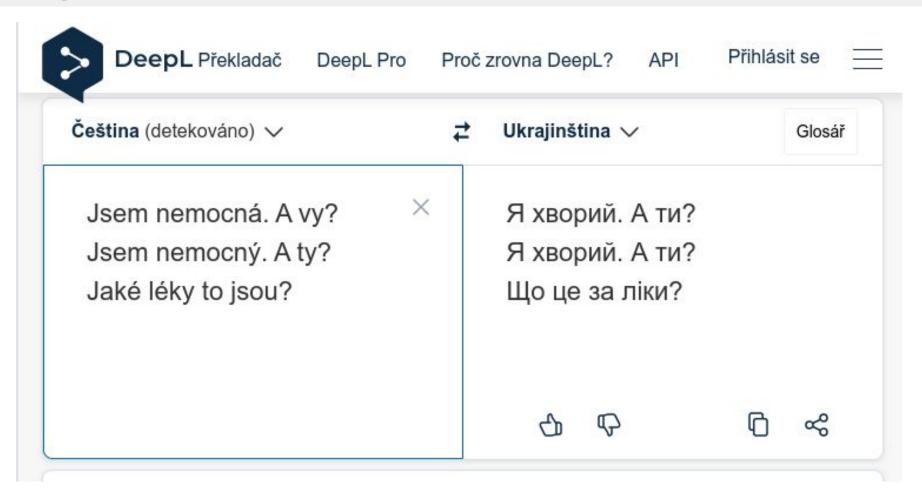


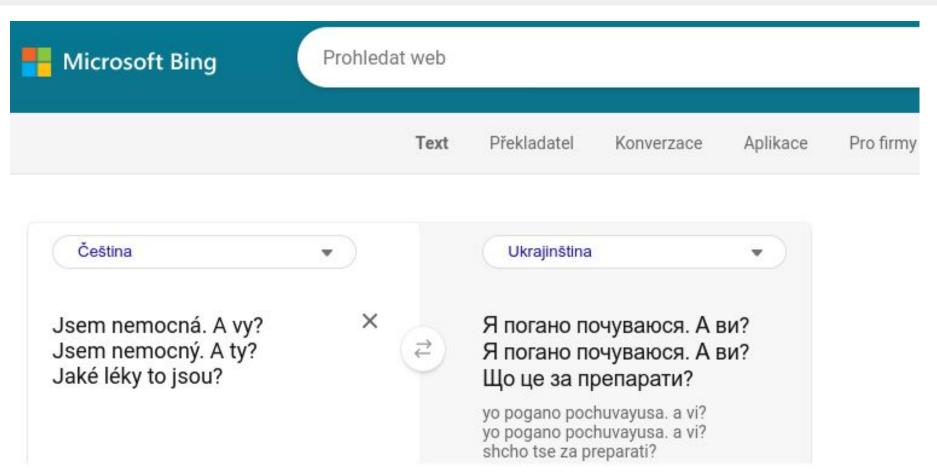


I am ill [fem]. And you [formal]?
I am ill [masc]. And you [informal]?
What kind of medicine is that?



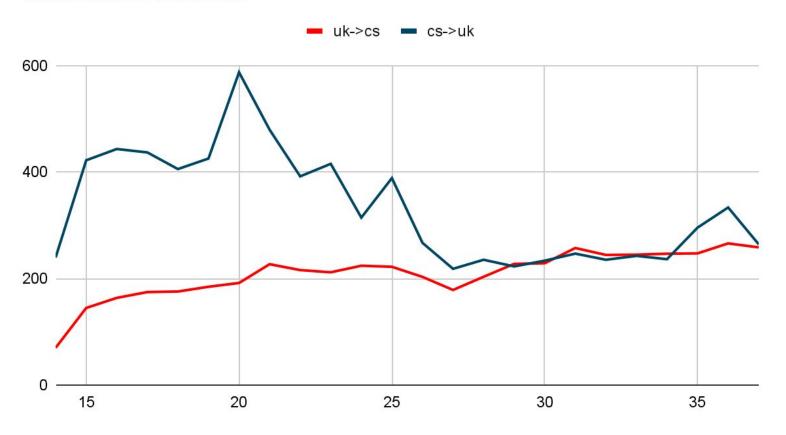
Odeslat zpětnou vazbu





Thousands of translations per week (April-September)

Translation direction



Слава Україні!

- Try Czech-English https://cubbitt.lindat.cz
- Try Czech-Ukrainian https://translator.cuni.cz

