## Dear members of the V4+ACARDC Consortium,

let me wish you a pleasant Christmas Holiday and at to thank everyone for their work in our project.

I would like inform you that throughout 2020 our Consortium cooperated in non-project research, published articles in journals and presented outputs at the FTC2020 and ICICKM 2020 conferences. Further development of WPadV4 software is also under way and, in view of the situation with COVID, a beta version of the Internet communication channel PIKS has been prepared: https://v4.svti.sk/v4\_select.php

I would like to emphasize that each of the partners can speak on behalf of V4+ACARDConsortium or reach out to its investigators for international cooperation or for publication and citation purposes. In this context, I would like to mention that our strength is in multilingualism, i.e. that we have pilotly tested the creation of educational packages in native languages and for machine learning material in 5+1 languages.

The new direction in our collaborative research is that, unlike the WPadV4 tables, Ukrainian and other languages (as seen from the first records) can also be used. This makes it ideal to test PIKS so that we can insert native language text into the right window (TP field) and recommend English in the other fields (left window columns or part). Especially important is from ontological point of view to use CATEGORY (in the table it is column kodf) and create step by step a system of keywords. This will then allow you to filter the records. Please, be not afraid to write anything and even make bad records, because I can fix it then in the MYSQL table v4. But even in real life, we don't stylize or do everything right, so it can stay anyway.

Yours Stephen Svetsky Slovak University of Technology svetsky@stuba.sk

## NOTE:

In the case of PIKS, this is a PHP/MySQL application where, in addition to mail communication, BOX and WPadV4 tables, we can exchange internal information through https://v4.svti.sk/v4\_select.php and we can also upload files https://v4.svti.sk/upload.php. It is a simple functional solution that needs to be tested and can be further developed. They can also prepare various templates for writing using html tags. The v4.svti.sk has only two sub-folders: /upload and /LIBRARY. Its purpose, however, is to upload and put in LIBRARY (I gave max. 10 MB) only operational content, so not as BOX. In MySQL, only one table v4 is used - this one has the same structure like the WPadV4 table.

In the initial phase, Darek Mikulowski helps to test PIKS even with students (he has own table). When the beginning is done, everyone can have their own. I can also then give you PHP and MySQL source codes if they would like to use PIKS on your servers. I assume that everyone understands that these activities are potentially very well suitable for publishing, because collaborative multilingualism in the EU, apart from us, is probably not used by anyone.

And here are my Christmas songs for you on Youtube:

Slovak version: https://www.youtube.com/watch?v=ZCLO0N92dVc

English version: https://www.youtube.com/watch?v=cbciXeDpUw4&feature=youtu.be