

Dear RES-Q+ partners, colleagues, supporters, and friends,

We are bringing you the last issue of the RES-Q+ Newsletter of this year. We would like to thank you all for your great work and cooperation and we wish you and your families Merry Christmas and Happy New Year filled with peace and joy.

Your project management team



Today we have the pleasure to introduce our Ontotext colleagues, Svetla and Todor. Thank you both for your time.

Svetla, you started your career as an academic researcher, how did you get to Ontotext?

I have been a researcher and lectured for many years at various universities and the Academy of Sciences. I have participated in scientific projects, but as an academic partner. I have always had an interest in researching new solutions to various real-world problems. I then joined industrial research, which gave me a slightly different perspective on applying research results to real-world applications at scale. At the moment, my main work is in Ontotext in the Research department, but I still give lectures at universities as well.



Beside our RES-Q+ project, what do you do in your job?

In general, I work on various research projects funded by EU programs, mainly focused on building solutions based on semantic technologies for various fields such as healthcare, food and agriculture, transport and logistics, financial sector, public sector, industry, etc. Regarding the healthcare domain, I am currently involved in two Horizon Europe projects (one of which is RES-Q+) and will start work on another one in January. I am also involved in some internal research projects for the company focused on neurosymbolic AI - designing models that use machine learning, deep learning, LLMs and knowledge graphs.

What are your hobbies, how do you relieve stress?

I don't have any particular hobby. I love to watch movies and go hiking.

The project partners probably don't know about your interest in Asia, can you tell us more?

I'm interested in studying Eastern Asian culture and history. I'm trying to improve my knowledge and skills in communication in some East Asian languages.

Todor, at work you focus on knowledge graphs, something most of us didn't really know about before the RES-Q+ project started. How did you come across these and why did you decide to study them?

Since the beginning of my professional career, I have been involved in multiple data integration projects using more conventional technologies (building data warehouses or data federation on top of relational data). Life

sciences is the knowledge domain, in which ontologies (and reasoning on top of ontologies) were first largely adopted by the researchers and also by the business. On the other hand, ontologies and the RDF are foundational of the so called "semantic web technologies" which allows the data to be described in a way that not only humans can interpret it but also computers and other "intelligent agents". Based on the semantic web standards the data integration becomes much more easier because the data by default is modelled in a way that it automatically integrates in the so called "linked data". After more than a decade of usage of the term "linked data", it was slowly replaced by the term "knowledge graph", which was coined by large enterprises like Google and Microsoft in order to represent the global linked-data/knowledge.

What is the most exciting part of your job? What interesting projects do you work on?

The most exciting part of my jobs is when after our team successfully builds the next huge knowledge graph (containing billions of facts) we start to generate new knowledge using AI models or applying ontological reasoning rules on top of the source data. Besides the quite ambitious and promising research projects funded by the EU programs, like RES-Q+, me and my team are currently developing two products - 1) LinkedLifeData Inventory, which is the foundational building blocks for development of knowledge graphs addressing specific problems and 2) Target Discovery platform, which provides a focused knowledge graph and analytical platform for identification, selection and prioritization of new potential drug targets.

We hear you recently moved and you now have kind of two homes, will you tell us more?

In Bulgaria I live in Sofia, the capital of the country. However, since the summer of 2021 I live in Bratislava and plan to spend here at least two more years. I like my new location a lot as my family has a great place to live - right next to the Blue Church in Stare Mesto. The life in Bratislava is easy going and the people are quite friendly and nice. During weekends I prefer traveling with my family around Bratislava and taking even longer exploratory trips visiting interesting sites in Austria, Czech Republic, Hungary and Poland.



What is your superpower?

I can find any information I need as I am quite persistent and never give up until I achieve what I want.

Prepared by Eliska Navratilova, ICRC

Administrative information

Internal reporting

Month 12 internal reporting, covering the period between Month 7 and Month 12 (M7-M12) of the project, i.e. 01.05.2023 – 30.10.2023 is in progress. Please fill in the [templates](#) and send them back to Kristin Saar (saar@amires.eu) as soon as possible.

Platform for clinical inputs to technical development - 3rd Mondays 2:00-2:45 PM

All clinicians and technical partners are invited to monthly meetings (3rd Monday each month, 2 PM - 2:45 PM) for discussing technical issues, which need clinical inputs. This approach should enhance the usefulness of IT tools in clinical practice. Thank you for your cooperation. In case of your need clinical insight in any other time, please contact the Project Leader Robert Mikulik (mikulik@hotmail.com), who will provide you with consultancy. Thank you.

Meeting with External Advisory Boards

The meeting with External Advisory Board and Ethics Board members was organised and held online on December 18. It was focused on overview of the results and progress of RES-Q+ project in the first year. The results of the meeting will be part of Deliverable 9.5: EAB meeting minutes. Minutes, presentation and recording are available on [Google Drive](#).

Deliverables

Deliverable D9.8 Minutes of the second General Assembly meeting (WP9) was successfully submitted. Next deliverable submission dates will be in March (WP8) and in April 2024 (WP3).

Highlights from the dissemination and communication

- RES-Q+ was presented at the Global Stroke Alliance ministerial meeting in Uruguay.
- Pages for both, the Ethics and External Advisory Board, have been created and added to the RES-Q+ website.
- We are preparing *promotional videos* for the RES-Q+ social networks.

We would like to kindly request our partners participation in this case. Please, follow these recording instructions and guidelines for capturing the video:

- Choose a quiet, well-lit place for recording: Make sure that your location is free from ambient noises and has good lighting.
- Fill the frame: Make sure the primary subject of the video fills most of the screen.
- Record in Landscape Mode: Before you start recording, rotate your phone to a horizontal position.
- Keep the video short: Aim to make your video between 1 - 2 minutes long.
- Clarity and Audibility: Speak loud and clear, ensuring your voice can be easily understood.

The aim is to give our work some context and more visibility. As an example you can take RES-Q+ Legal Partners video that is available [here](#).

Once you have your video(s) ready, please send them to Maksym Martynenko (maksym.martynenko@fnusa.cz). You can also upload them to [Google Drive](#) and the post-production will be handled.

Planned meetings

M18 meeting in Aalborg

24 - 26 April 2024

Regular meetings

All meetings are listed in the [tracker](#), including links to online connections.

PSC monthly meeting

WP1 meeting (designing new technologies)

WP2 meeting (legal aspects)

WP3 meeting (interoperability)

WP4 meeting (NLP tool)

WP5 + WP7 meeting (data flow and architecture)

WP6 meeting (AI virtual assistants)

WP9 + WP10 meeting (Project management+Ethics)

cancelled in January

19 January 2 PM CET

3 January 11:30 AM CET

26 January 10 AM CET

12 January 10 AM CET

12 and 26 January 2PM CET

4 January 3 PM CET

every even Wednesday 12:30

PM CET

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