



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

We are bringing you a new issue of the RES-Q+ Newsletter summarizing our activities in May and June. We outline for you our meeting in Munich and bring you a few information about decisions made. We will remind you what meetings are coming up soon and you will also know better our RES-Q+ project leader, Robert Mikulik and WP leader Pavel Pecina. Both shared their interesting hobbies with us.

Thank you for your great work and cooperation.

Your project management team



Dear readers, we would like to introduce our Project Leader, Robert Mikulik, to you. You can learn more about his professional life and about his passion in sports and flying.

25 years ago, Robert was called cowboy in stroke care as he promoted the use of completely new way to treat stroke with thrombolytics in the Czech Republic. Robert was appointed the National Coordinator for Thrombolytic Treatment by the stroke society in 1998 and together with his colleagues and collaboration with Ministry of Health, they built the system of stroke centres in our country.

What influenced Robert the most in his career?

It was his experience from the US. In 2004-2005 he worked as a Research Fellow in Texas Medical Center, Houston, where he attended Master in Science courses. The US education trained him how to manage and perform research, which he fully used in his following professional life.

How did Robert start with stroke care quality monitoring?

In 2015 Robert was appointed by the European Stroke Organisation (ESO) to develop and chair ESO EAST Program aimed at stroke care improvement in Eastern Europe. Thus, he and ESO EAST colleagues developed the idea of the RES-Q Registry and of the international quality monitoring and benchmarking as a tool for care improvement. The RES-Q+ is the next level of this idea with implementation worldwide.



Clinician, researcher and e-health coordinator

Robert works as a clinician in Bata Hospital in Zlín, where he became the Head of Neurology Department in May 2023.

As a researcher he was a founding member of the International Clinical Research Center in Brno (2010). Here he developed a Stroke Program focused on discovering novel methods of stroke diagnostics, treatment and prevention. His team grew over years and now it involves 50 experts (vets, biologists, study coordinators, IT developers, public health specialists etc.).

Robert coordinates the RES-Q+ Project under the Institute of Health Information and Statistics of the Czech Republic, where he participates in e-health implementation in stroke.

In 2017, Robert was awarded by the ESO and ANGLÉS Initiative the Spirit of Excellence Merit for his contribution to stroke care.

Did you know that Robert literally touches the sky?

Robert likes all kinds of sports. He bikes to work every day nearly in all weather conditions. In winter he likes both downhill and cross-country skiing. But once he discovered flying, it became his passion. After 2 years of a pilot training, he obtained a private pilot license (PPL).



His vision is to turn RES-Q into cockpit experience. In cockpit, pilots can easily see all information needed to pilot a plane.

In future, doctors and even patients should have cockpits in their computers or cell phones that will provide all information needed to pilot their health. They may also use "autopilot in health" which will be powered by artificial intelligence. Such autopilot will lead doctors and patients from one health spot to other, healthier spot. The only thing that doctors will do is to set the parameters of such spot. Autopilot will "fly" automatically with patients.

We wish Robert successful implementation of the RES-Q+ Project, achieving his future health management vision, and success at his new clinical position at Bata Hospital in Zlin as well.

Prepared by Veronika Svobodova

And in our second interview we would like to present you an avid farmer Pavel Pecina. Pavel, thank you for your time.

Pavel, you studied Software Engineering, why did you choose to specialize in NLP?

I completed my Master's degree in Software Engineering and switched to Computational Linguistics to pursue my PhD, both at Charles University in Prague. I was fascinated by the idea of computational models of language and tasks such as machine translation, as well as the rapid developments in that field. A big part in my decision to specialize in NLP was the fantastic group of people at the Institute of Formal and Applied Linguistics with whom I had the chance to work with, as well as the opportunities to collaborate with other world-leading research centres in the field.

You work on more European projects, what is the most interesting thing you currently work on?

It is definitely RES-Q+ because NLP in the health domain is highly challenging and has the potential for a significant impact on the quality of healthcare. Another EU project I am involved in deals with NLP of materials that inhere memories of victims of Nazi persecution and eyewitnesses of the Holocaust, such as diaries and testimonials. It is also an exciting but at the same time breath taking topic.

We know you work in Prague, but you live in the Moravia region. That's a lot of traveling, what do you like to do in your leisure?

My family has strong roots in agriculture. I own a small farm where I actively relax and spend my free time. Recently, I bought a new tractor to further enhance my farming activities!

If you could gain any skill (possible or impossible), what would it be?

That would be music. For many reasons. One of them is that I have a small research group of students working on optical music recognition. We develop methods for converting handwritten sheet music into a digital format that can be interpreted and processed by computers. The limited depth of my musical knowledge is restrictive.



Prepared by Eliska Stravova



Administrative information

The first internal reporting

The first reporting from 1 November 2022 to 30 April 2023 will cover effort reporting (person months – PMs), financial reporting, technical reporting and dissemination and communication reporting. We would like to thank to all partners who already submitted their reports. We kindly ask the other partners to send their reports till 7 July.

[Templates](#) and [instructions](#) are available on Google Drive.

M6 Progress meeting in Munich

M6 Progress Meeting was held in Munich 22 May 2023. There were representatives of 19 partners out of 21. Meeting minutes and presentations will be available on [Google Drive](#).

Decisions taken:

- Discharge reports to be differentiated on the platform, based on the target group.
- A multilingual model will be used for data collection - machine translation not necessary (for the moment).
- Preferably, prediction on patient to be ran during discharge from the hospital.
- Task force to be established to finalise the Joint Controller Agreement during the summer.
- Microsoft Azure can be used if risk mitigation measures are applied.
- Maynooth University to be added as a new beneficiary to the consortium via an amendment. Formal General Assembly vote to be held in writing in June.
- In-person technical workshop to take place in Athens 25 October.

Identified risks:

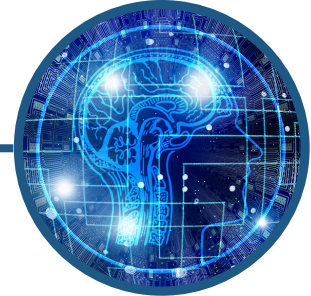
- Cybersecurity and use of Microsoft Azure platform. Mitigation measures proposed by CHINO and to be discussed with HMI.
- Not all data required for predictive models available at the moment of discharge.



Highlights from the dissemination and communication

RES-Q was proudly presented at the recent ESOC2023 conference that took place on 24 -26 May in Munich with a presence of more than 4,000 physicians from around the world. RES-Q+ was featured in the RES-Q brochure which was shared with the physicians at the exhibition booth. As a part of broader activities to promote QM, RES-Q and RES-Q+ to the physicians and hospitals around the world, Angels consultants will be using this same brochure.





Planned Meetings

RES-Q+ face to face M12 meeting

26 - 27 October 2023
Athens, Greece



Technical meeting

25 October 2023
Athens, Greece

In August there will be organised few individual meetings of WP leaders with coordinator prof. Mikulík and co-coordinator Hendrik Knoche. The doodle poll will be distributed soon to all WP leaders.

Regular Meetings

PSC monthly meeting
(everyone is welcome to join)

next meetings **30 June** 12 PM CET; **4 August** 12 PM CET
online, <https://cesnet.zoom.us/j/97721064676?pwd=VXc5dFd2QzNVSWdtQk5pVjh6dVFhQT09#success>

WP1 meeting
(designing new technologies)

next meeting **19 July** 2 PM CET
online

WP2 meeting
(legal aspects)

next meeting **5 July** 11:30 AM CET
online

WP3 meeting
(interoperability)

next meeting **28 July** 10 AM CET
online

WP4 meeting
(NPL pool)

next meeting **14 July** 10 AM CET
online

WP5 + WP7 meeting
(data flow and architecture)

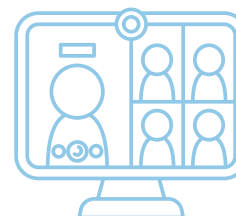
next meeting **14 July** 1 PM CET
online

WP6 meeting
(AI virtual assistants)

every 2nd Thursday of the month 3 PM CET
online

WP9+10 meeting
(Project management+Ethics)

every even Monday 2 PM CET
online



For sharing the information with your workpackage, please use the official [mailing lists](#) to include all your workpackage partners.