empower

GEFI WORKSHOP
7-8 OF NOVEMBER IN COIMBRA

EMPOWER co-organised with PAWR the **Global Experimentation for Future Internet (GEFI) 2019 Workshop**, Coimbra, Portugal November 7-8, 2019, in conjunction with IEEE CloudNet 2019. Inviting stakeholders from the US and EU to GEFI, not only to the workshop itself but also to present a position statement, was a significant opportunity to go further into the discussions. The first results of EMPOWER (i.e. **White Paper**) were presented and discussed not only the EU and US but also to participants from Brazil, Japan and Korea.

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EMPOWER cross scientific visits

EMPOWER organises together with PAWR, cross scientific visits in both Europe and the USA. The aim of these visits is to give a first-hand view of the different approaches considered on both sides of the Atlantic, understanding the strong and weak points of the different strategies followed by the different sites. The visits consider all the experimental facilities discussed in the 5G-PPP Trials WG, with a starting point on the 5G-PPP Experimental Facilities Cartography.

The main objective is to strengthen cooperation between the European Union and the US, setting a collaborative transatlantic community on the new connectivity frontiers beyond 5G, with the ambition to accelerate the joint development of the associated advanced wireless platforms.

US-EU visit, March 2020

A delegation from PAWR and NSF came to Europe to meet the selected facilities (Madrid, Sophia Antipolis and Oslo) and discuss about experimentations with some of the scientists running them. The visit took place the week of 9-13 March 2020.

The first stop was Madrid (ES) and STONIC, the open research and innovation laboratory on 5G technologies, founded by Telefónica and IMDEA Networks, received a US researchers' delegation.

The second stop was Sophia Antipolis (FR) and EURECOM, where 5G-EVE facility is available.

The third stop was planned to be Oslo (NO) and the 5G-VINNI Norwegian Facility, managed and hosted by Telenor Research. Nevertheless, due to the Covid-19 situation and lockdown, this visit has been cancelled. It was planned to present different demos on how use cases are implemented and tested on the platform. Those demos have been recorded and are available on EMPOWER website.

Technology Roadmap Consultation

Following the release of its baseline roadmap, the EMPOWER project launched a consultation aiming at collecting the wireless research community feedback and using this feedback to validate and refine the EMPOWER roadmap in its future releases. The consultation opened at beginning of February 2020 and ran until end of March 2020. The consultation was presented in the form of a questionnaire survey spanning four main areas as follows i) KPIs evolution; ii) Technology trends; iii) Experimental challenges; and iv) Roadmap refinement. A total of 26 questions were put forward to the community for feedback and inputs. A total of 63 respondents shared their feedback with a rough split of the demographic between universities and research institutes (60%), and the industry (40%). The respondents were from various countries across Europe, but also North America (USA, Canada) and South East Asia (China, Taiwan, South Korea).

EMPOWER's results

Do you want to learn more about the first results of EMPOWER?
You can download now the project deliverables on the project website!

EMPOWER 2nd White Paper

Thanks to the feedback gathered over the last months, mainly through the workshops and the site visits, EMPOWER has just released its second hWhite Paper on Future trends analysis for Advance Wireless Platforms. This white paper focusses on important topics addressing both the demand and the need. It first analyses the diving forces and technology trends towards BY5G. Then, it provides a first insight into an expert consultation analysis about the pivotal future wireless technologies. The reference architecture as a support for the interoperability of the future test platform is then introduced followed by future activities and solicitation on 1- reproducibility and 2-AI. Finally, the paper presents some important coordination activities between US and EU teams.

EMPOWER's upcoming activities

Empowering Repeated Research Initiative

Empower will set up a series of workshop, with regular presentation, demos, panels and discussion. These will be organized virtually and collocated with conferences and workshops when possible. Each event will be prepared by a small group of experts who will set up the agenda, organize the debate and synthesize recommendations. A continuous "challenge" will be organized with an award to recognize important "hands-on" contributions in the field with a strong emphasis on student involvement.

Topics will cover but are not limited to:

- ◯ Reproducible network and system research
- ◯ Computation and data reproducibility
- ◯ Testbed Requirements to support reproducibility
- ◯ Best Practices for the 3M's: metadata, measurement and monitoring
- ◯ How other sciences address reproducible research
- ◯ Educating the future researchers
- ◯ Open Data

If you are interested by this initiative, please do not hesitate to fill in the registration form

Stay tuned, more activities such as researchers mobility, hackathons, workshops to be announced