Pan-European Training, research and education network on Electromagnetic Risk management
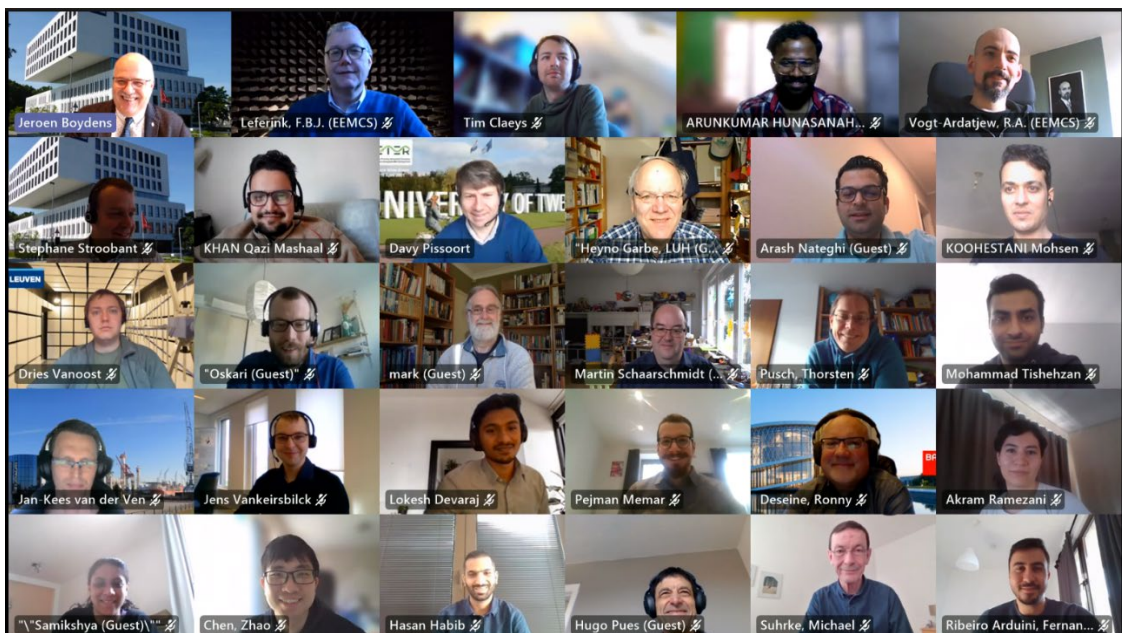
(PETER)

D5.8 (D30) – PETER Training School III

April 12-16, 2021

Online Network-Wide Event II

through Microsoft Teams Meetings

Pan-European Training, research and education
network on ElectroMagnetic Risk management.

Deliverable Number	**D5.8 (D30)**
Deliverable Name	**PETER Training School III**
Due Date of Deliverable	April 30, 2021
Actual Submission Date	April 29, 2021
Deliverable Lead Partners	UTwente, (KU Leuven)
Dissemination Level	Public
Work Package	WP5 Training
No of Pages (Annex not included)	22
Keywords	Training School, Network-Wide Event

Table of content

Prolegomena

Due to the ongoing COVID-19 crisis, it was impossible to have the physical, face-to-face PETER Training School III / Network-Wide Event 2 @ Thales in Hengelo (The Netherlands), as was originally scheduled and foreseen. This restriction has been overcome by shifting to online meetings through Microsoft Teams for this full Network-Wide Event.

This Deliverable 5.8 (D30) is the report of the PETER Training School III / Network-Wide Event II that took place online in the period April 12-16, 2021.

1. Agenda

The PETER Network-Wide Event II took place in the period April 12-16, 2021 through Microsoft Teams meetings due to the ongoing COVID-19 crisis.

On Monday, April 12 (Day 1), the Project Manager welcomed briefly the ESRs after which the ESR Council took place where the ESRs could interact and discuss regarding topics faced by the ESRs such as secondments, productivity, and dissemination. After this ESR Council, the first Scientific/Technical Training "**Risk-Based EMC versus EM Resilience"**, given by Frank Leferink from Thales and Davy Pissoort from KU Leuven, took place. In the evening, the ESRs ended this first day with their first online social activity during this network-wide event where they could compete with each other in a funny and interactive way through *ShellShock.io*.

On day 2 of this online NWE, Tuesday, April 13, the three following soft-skill trainings took place: "**Win-winnovation: the smart cooperation skill set for better results"** given by Piet Verhoeve from Origanius, "**How to get your paper published"** given by Frank Leferink from Thales, and **"Time management"** presented by Carl Pullein.

At the beginning of day 3, Wednesday, April 14, the PETER Project Coordinator welcomed all the ESRs, the supervisors and their colleagues, the representatives of the partner organizations, and the management support team to this online NWE (list of the participants can be found on page 8). The Project Coordinator gave an overall view and state of play of the PETER project, which was followed by the ESRs 1-4 presentations regarding their S/T progress. Those ESR presentations were presented to the consortium through pre-recorded presentations. During these video presentations, the ESRs were able to answer questions coming in through the chat function of Microsoft Teams, followed by a more elaborate oral Q&A session after the four videos were shown. After the lunch break, the Supervisory Board meeting took place between consortium members and the ESR representative Qazi Mashaal Khan. This was followed by the next four ESR presentations (ESR 5-8 presentations), again through pre-recorded presentations and followed by a Q&A session. In the evening on Wednesday, April 14, the ESRs organized their second interactive online social activity called *Skribbl* where they were able to compete with each other through a weird/funny drawings, spellings & healthy competition.

ESR 10 Nancy Omollo was not able to attend this online Network-Wide Event 2 due to sickness, and therefore she could not give a presentation with respect to her scientific progress and research within the scope of the PETER project. However, her supervisor, Jan-Kees van der Ven (RH Marine) was present during this network-wide event 2 and gave an update on the research of ESR 10 Nancy at the Supervisory Board meeting on Wednesday, April 14, and at the S/T Work Package 4 intermediate discussion on Thursday, April 15

In the morning of day 4 at this online NWE 2, Thursday, April 15, the ESRs 9, 11-12 presented their research progress to everyone, once again through pre-recorded presentations and followed by a Q&A session. This session was followed by four work-package parallel sessions where technical aspects and practicalities were discussed, and further fine-tuned regarding the four PETER Scientific Work Packages. After the lunch break, the last session of ESR pre-recorded presentations (ESR 13-15 presentations) took place, once again followed by a Q&A session. This Q&A session was followed by a keynote joint talk on *"EMC in hospitals"* given by Robert Vogt from UTwente and Bärbel van den Berg from Medisch Spectrum Twente.

Day 4 of this NWE 2 was ended by a session regarding the conclusions of this PETER Project Meeting and the PETER Project's next steps, presented by the PETER Project Coordinator.

On the last day, Friday April 16, the ESRs and those interested attended one more Scientific/Technical Training "***Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond"***" given by Liesbet Van der Perre from KU Leuven. This training session was followed by the first **PETER Problem Solving Session**. In this problem solving session, the PETER Early Stage Researchers (ESRs) presented their opinion/stance towards three different PETER project related topics, each time in a presentation of 10 minutes about one topic:

After each presentation of 10 minutes, the PETER ESRs and all other attendees interacted and discussed about the specific topic. More than 50 people attended this fruitful and successful first PETER problem solving session.

To close this online NWE 2, an interactive workshop took place between the ESRs and the management team (S/T Coordinator, Project Manager, and Communication Manager) where the ESRs were able to evaluate the NWE 2, and review the communication strategy, and the intermediate technical meetings among the ESRs.

The ESRs ended this last day of the network-wide event with an online social *Kahoot Quiz* where they could interact in a fun, social and informal environment.

The online training sessions at this network-wide event 2 were attended by both the PETER ESRs and consortium members interested as well as (recruited) ESRs from other (ETN) projects, such as SAS[1], ETOPIA[2], and ETERNITY[3] as indicated in the following table.

Training Session	PETER participants	Participants outside the PETER Project	Total participants
Risk-Based EMC versus EM Resilience	25	19	**44**
How to get your paper published	22	14	**36**
Time management	20	12	**32**
Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond	23	10	**33**

The detailed agenda of this online PETER Network Wide Event II can be found in ==*Annex 1*==.

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[1] ETN SAS: https://etn-sas.eu/
[2] ITN ETOPIA: http://www.etopia-itn.org/
[3] ETN ETERNITY: https://eternity-project.eu/

List of PETER NWE II participants:

[MSCA ETN PETER] NWE 2: April 12-16, 2021				
Attendance list April 14-15, 2021 - Online plenay meetings through Microsoft Teams				
First Name	Last Name	Affiliation	April 14	April 15
Fernando	Arduini	Fraunhofer INT - ESR15	x	x
Keith	Armstrong	Cherry Clough Consultants Ltd	-	-
Jeroen	Boydens	KU Leuven	x	x
Jochen	Bredemeyer	FCS	-	-
Zhao	Chen	Barco - ESR12	x	x
Tim	Claeys	KU Leuven	x	x
Mumpy	Das	UTwente - ESR4	x	x
John	Dawson	University of York	x	x
Ronny	Deseine	Barco	x	x
Lokesh	Devaraj	Horiba-Mira - ESR3	x	x
Alistair	Duffy	De Montford University	-	-
Priscila	Fernandez-Lopez	Valeo	x	x
Sven	Fisahn	BDV	x	x
Heyno	Garbe	LUH	x	x
Samikshya	Ghosalkar	LUH - ESR1	x	x
Vasso	Gkatsi	UTwente - ESR12	x	x
Hasan	Habib	KU Leuven - ESR5	x	x
Peter	Huntley-Hawkins	Lloyd's Register EMEA IPS	-	-
Qazi Mashaal	Khan	ESEO - ESR7	x	x
Mohsen	Koohestani	ESEO	x	x
Frederic	Lafon	Valeo	-	-
Frank	Leferink	UTwente	x	x
Oskari	Leppäaho	Valeo - ESR8	x	x
Pejman	Memar	KU Leuven - ESR6	x	x
Arash	Nateghi	BDV - ESR2	x	x
Mark	Nicholson	University of York	x	x
Nancy	Omollo	RH Marine - ESR10	-	-
Richard	Perdriau	ESEO	x	x
Davy	Pissoort	KU Leuven	x	x
Hugo	Pues	Melexis	x	x
Thorsten	Pusch	Fraunhofer INT	x	x
Mohammed	Ramdani	ESEO	x	x
Akram	Ramezani	Melexis - ESR14	x	x
Alastair	Ruddle	Horiba-Mira	x	x
Martin	Schaarschmidt	BDV	x	x
Stephane	Stroobant	KU Leuven	x	x
Michael	Suhrke	Fraunhofer INT	x	x
Gerjo	Tannemaat	Nedap	-	-
Mohammad	Tishehzan	University of York - ESR11	x	x
Martin	Trefzer	University of York	-	-
Bärbel	van den Berg	Medisch Spectrum Twente	x	x
Jan-Kees	van der Ven	RH Marine	x	x
Joost	van der Willik	Nedap	-	-
Jens	Vankeirsbilck	KU Leuven	x	x
Dries	Vanoost	KU Leuven	x	x
Arunkumar	Venkateshaiah	University of York - ESR9	x	x
Robert	Vogt-Ardatjew	UTwente	x	x
			38	38

2.   S/T Training and soft-skill trainings
   (Monday-Tuesday, April 12-13, 2021)

The first 2 days of this online Network-Wide Event consisted of 3 soft-skill trainings and 1 scientific/technical training for the ESRs. After a brief welcome and introduction (this PPT presentation can be found in <mark>*Annex 2*</mark>) given by the Project Manager, the ESRs attended the three following online soft-skill trainings and scientific/technical training:

- S/T training: *"Risk-based EMC versus EM Resilience"* given by Frank Leferink (Thales) and Davy Pissoort (KU Leuven)
- Soft-skill training: *"Win-winnovation: the smart cooperation skill set for better results"* given by Piet Verhoeve (Origanius)
- Soft-skill training: *"How to get your paper published"* given by Frank Leferink (Thales)
- Soft-skill training: *"Time management"* given by Carl Pullein

3.   ESRs Council
   (Monday, April 12, 2021: 13:30 – 15:00 CEST)

The 14 ESRs, as mentioned above ESR 10 Nancy Omollo not included, present at this online Network-Wide Event were able to discuss project-related topics in order to facilitate interaction between them during their ESRs Council which took place on Monday, April 12 from 13:30 – 15:00 (CETS). They were able to share experiences in their research, as well as discuss specific items regarding training, secondments, and PETER communication.

A president (ESR7 Qazi Mashaal Khan) and secretary (ESR5 Hasan Habib) were appointed to moderate this ESRs Council and to prepare a short report as a basis for communicating to the Supervisory Board that took place on Wednesday, April 14. The report of this ESRs Council can be found in <mark>*Annex 3*</mark>.

4. Welcome by Project Coordinator + Progress Report (Wednesday, April 14, 2021: 9:00 – 9:45 CEST)

The PETER Project Coordinator officially welcomed all the participants to this online PETER Network-Wide Event II and presented an overall view of the PETER Progress Report. The PPT presentation of this Agenda Item can be found in *Annex 4*.

Among other practical things, the following aspects regarding the PETER Project implementation were highlighted and aligned with the consortium members and ESRs:

- Overview of the PETER Supervisory Board
- Overview of the recruited and started ESRs
- Update on the ESR Personal Career Development Plan
- Overview of the Training Sessions
- PETER WP1-4 Intermediate Discussions
- Overview of the (planned) first and second Secondments 2020-2021
- Overview and Update regarding the PETER Communication and Dissemination Outreach
- Overview and Update regarding the PETER Deliverables and Milestones
- Overview and update on the process of PETER Periodic Reporting 1

5. Individual ESRs presentations + Q&A Sessions (April 14-15, 2021)

During 4 sessions at this online NWE, each ESR gave a dedicated presentation of about 15 minutes regarding their current research progress and specific role within the PETER project. Each ESR presentation was pre-recorded. During each video presentation, there was the opportunity to ask questions through the online chat. The ESRs were monitoring those questions and were able to answer to those questions in a proper way during a Q&A Session (moderated by the Project Coordinator) that was scheduled after each presentation session.

Those 4 "ESR presentation and Q&A" Sessions took place on:

- Wednesday, April 14 from 10:00 – 11:00: ESR 1-4 presentations + Q&A Session
- Wednesday, April 14 from 15:00 – 16:00: ESR 5-8 presentations + Q&A Session
- Thursday, April 15 from 9:00 – 10:00: ESR 9, 11-12 presentations + Q&A Session
- Thursday, April 15, from 14:00 – 14:45: ESR 13-15 presentations + Q&A Session

All presentations were highly appreciated by the attendees and there was a substantial amount of interaction and questioning during each Q&A Session. The PPT Template regarding the individual ESRs presentations can be found in **Annex 5**.

6. Supervisory Board Meeting (Wednesday, April 14, 2021: 13:30 – 15:00 CEST)

During this part of the online NWE, all PETER Supervisory Board members present, the ESR representative Qazi Mashaal Khan included, joint together. The Agenda and PPT presentations for this Supervisory Board Meeting can be found in **Annex 6**.

The outcome and minutes of this Supervisory Board Meeting are described below.

Agenda items + outcome:

1. Impact of COVID-19 crisis on the PETER Project?
- The impact of the COVID-19 crisis on the PETER Project implementation was discussed in-depth during this Supervisory Board Meeting.
- Most ESRs are still working remotely, no full access yet to universities/companies.
- Some ESRs are already able to return to their workplace in a limited occupation.
- Remote supervision still going on.

   Secondments 2020-2021
- Most of the planned/foreseen secondments in 2020 and the first half year of 2021 had to be postponed due to COVID-19 crisis.
- Some ESRs continue to investigate how they can carry out their secondment in the best and most appropriate way, given the fact that there are still many travel restrictions within Europe and the UK, and taking into account the need and added value of their secondment(s) for their further research progress.
   Remote, and a combination of remote with physical, secondments are being further investigated between the ESRs, their supervisors and the respective secondment host supervisor(s).
- Each ESR has written his/her Secondments overview and mitigation plan 2020-2021 version 2. This has been submitted to the EC REA in the beginning of April 2021.
- An updated Secondment Mitigation Plan for each ESR will be requested on time because this needs to be justified regularly towards the EC REA.

Request for extension of the PETER Project:

Unfortunately, the two following situations occurred in the PETER project last year:

- o ESR15 Fernando @ Fraunhofer: delayed start due to COVID-19 travel restrictions.
- o ESR11 Mohammad @ University of York: suspension of his contract due to COVID-19 travel restrictions and UK regulations.

Furthermore and with respect to the fact that the COVID-19 crisis is affecting the secondments planning for most of the ESRs and consequently might cause possible delays in research progress in the near future, a request for an extension of the PETER Project has been raised within the PETER Consortium.

The PETER Coordinator explains in detail the consequences and the possible impact of an extension of the PETER Project. One has to point out here that a proper reasoning/mitigation, and a mitigation plan with scientific assessment for every ESR will be required when the PETER Management Team will request an extension of the PETER Project towards the EC REA.

Furthermore, a possible request for extension of the PETER Project needs to be a joint consortium request, which means that every beneficiary will have to support and approve this request.

2. M24 Periodic Report

- PETER Periodic Report 1: **Deadline** for submission is M24 (March 31, 2021) + 60 days = **May 31, 2021**.
- This Periodic Report 1 consists of the 3 following items:
    - o Financial Statements (automatically generated)
    - o Publishable Summary
    - o **Technical Report**

The Technical Report is a narrative report with respect to the SAS Objectives, an Explanation of the work carried out by each WP / ESR, Dissemination & communication, Management, Deviations in Deliverables, Milestones and Secondments, and the possible impact regarding section 2.1 in the PETER Grant Agreement DoA Annex 1 Part B.

The PETER Coordinator explains in detail what input is expected from every ESR and supervisor regarding this **Technical Report**.

Deadline for sending all necessary input regarding the Technical Report to the Management Team has been set on **April 23, 2021**.

After this deadline, additional input/information/feedback from ESRs and supervisors will be requested, if applicable.

3. Feedback ESR Council

- Qazi, the ESR representative, pointed out the specific things that were discussed between the ESRs at the ESR Council on Monday, April 12, 2021, see also **Annex 3**.

4. Upcoming (network-wide) events

   1. IEEE EMC / EMC Europe 2021: Special Session

   A Special Session at the IEEE EMC / EMC Europe 2021 symposium has been accepted. ESR13 Vasso and ESR15 Fernando are taking the lead in this. The PETER consortium was proud to announce that so many papers have been submitted for this by the PETER ESRs.

   2. ESREL 2021: PETER Special Session

   A Special Session on EMC Risk Management at ESREL 2021, which will be held in Angers in hybrid mode (physical + virtual) from September 19-23, 2021 has been accepted.

   The local team at ESEO, in collaboration with ESR8 Oskari, will further explore and align the possibilities and feasibility for this PETER Special Session. More specifically, the option to do a workshop or tutorial will be explored.

   3. Next Network-Wide Event:

   - **PETER NWE 3 in Nuneaton (UK) @ HORIBA MIRA**
   - Proposed period based on the GA DoA Annex I: **January 2022** (M34 of the PETER project).
   - Dates will be aligned with the NWE host and a Doodle for the plenary meetings will be sent out.

   4. PETER Conference Calls 2021

   Conference calls with PETER consortium members will be scheduled in the beginning of July and in November 2021.

   Doodles will be sent out to set the correct dates for these Conference Calls.

5. Any other business:

- The PETER Deliverable 6.4 Exploitation Plan has been submitted on March 31, 2021.
- This Deliverable has been submitted based on the input received from the ESRs with respect to:
  - Which Exploitation steps have you already taken?
  - Which Exploitation steps are planned?
- **This Exploitation Plan will be updated accordingly during the lifetime of the PETER Project.**

6. Any other business:

Project Deliverables and Milestones:
- An overview was given and discussed regarding the upcoming PETER Deliverables and Milestones in 2021 and who is the lead beneficiary for each specific Deliverable. Furthermore, these project deliverables and milestones were discussed in each scientific/technical WP session on Thursday, April 15 during the WP parallel sessions.
- Special attention was also dedicated to the Project Deliverables regarding PETER Special Sessions, Workshops and Tutorials.

Update PCDPs: recurring Deliverable
- D5.4 Progress report II of PCDP to Supervisory Board Meeting has been discussed and aligned with the PETER consortium members.
- Delivery due date of this Deliverable to be submitted to the EC REA has been set on **April 30, 2021**.

Ethical self-assessment:
- Voluntary Ethics self-assessment by 12 ESRs has been written by the end of February 2021.
- The role of the PETER Ethical Board was explained once more.

7. WP Parallel Sessions + Overview (Thursday, April 15, 2021: 11:00 – 12:30 CEST)

A session for WP parallel discussions for WP1-4 was organized where each appointed WP leader interacted with the ESRs, the Supervisors and the representatives of the Partner Organizations regarding the specific WP and its scientific aspects. The focus in each WP session was put on the specific tasks, scientific deliverables, milestones, and the impact of the COVID-19 outbreak for each ESR and within each WP. The PPT presentation and outcome regarding these WP parallel sessions can be found in *Annex 7*.

This session was followed by an interactive Q&A session between WPs to clarify some technical aspects and practicalities.

8. Keynote talk: "EMC in hospitals" (Thursday, April 15, 2021: 16:00 – 17:00 CEST)

In the afternoon on April 15 and after the last ESR presentations and Q&A session, an interested and dedicated joint talk on *"EMC in hospitals"* was given by two PETER consortium members, more specifically Bärbel van den Berg (Medisch Spectrum Twente) and Robert Vogt-Ardatjew (UTwente).

9 Conclusions of the meeting + project next steps (Thursday, April 15, 2021: 17:15 – 17:45 CEST)

During this last session of the plenary meetings of this online Network-Wide Event 2, a presentation was given by the PETER Project coordinator regarding the conclusions of this PETER Project Meeting and PETER Project next steps. This PPT presentation can be found in *Annex 8*.

10. S/T Training, Problem Solving Session + Closing session (Friday, April 16, 2021: 9:00 – 15:00 CEST)

On Friday, April 16, the ESRs and those interested attended the following online scientific/technical training on the last day of this online Network-Wide Event 2:

- *"Technologies exploiting new spatial and spectral dimensions for new applicationns in 5G networks, and beyond"* given by Liesbet Van der Perre (KU Leuven).

This training session was followed by the first PETER Problem Solving Session. In this problem solving session, the PETER Early Stage Researchers (ESRs) presented their opinion/stance towards the following three topics, each time in a presentation of 10 minutes about one topic:

1. Every new technology generates new EMC issues. Do we need new standards, or are current standards sufficient? Or do we need other approaches?
2. It is impossible to perform a proper EM risk assessment for situations in the future since we do not know how technology and the associated human behaviour will evolve.
   Imagine that an EM-risk assessment was done to put a product on the market 25 years ago, almost nobody ever heard about the internet, let alone the massive impact on wireless connectivity.
3. PETER will introduce EM-risk assessment and -management approach as a replacement for a rule-based approach, so, forget the rules, no one wants to apply them and they are not appropriate and efficient anyway.

After each presentation of 10 minutes, the PETER ESRs and all other attendees interacted and discussed about the specific topic. More than 50 people, both within the PETER consortium as well as interested industrial partners outside the PETER consortium, attended this fruitful and successful first PETER problem solving session. The list of the participants at this Problem Solving Session can be found in ==*Annex 9*==.

To close this online NWE2, an interactive workshop of 1h30 took place between the ESRs and the management team (S/T Coordinator, Project Manager, and Communication Manager) where the ESRs were able to evaluate the NWE2, and review the communication strategy, and the intermediate technical meetings among the ESRs. The PPT Presentation of this interactive workshop can be found in ==*Annex 10*==.

11. ESR Social Activities Network-Wide Event 2

The ESRs arranged three online social activities amongst themselves during this online NWE2. These social activities are described below with their mentioned timings:

1) Social Activity 1: Shellshock.io (held on 12/04/2021, 19:00 – 21:00 CEST)

This was an online shooting game that most ESRs had already played in their weekly informal meetings. Only the use of a Laptop was required. The ESRs present were divided into teams (Blue and Red) and worked together to get more points by shooting opponent members. The higher the kill count, the more points each got. Most ESRs enjoyed playing and had some fun.

2) Social Activity 2: Skribbl.io (held on 14/04/2021, 19:00 – 21:00 CEST)

The second social event was scribble. It was an online word guessing game, where each player was given words, and they had to make the other guess by only drawing things related to it. The faster each ESR guessed, the more points they got. A total of 8 rounds were played, and each word had a guessing time of 70 seconds. Custom words were added as well to make the experience more enjoyable. All playing ESRs agreed this was a wonderful experience and would continue to play it in the informal meetings.

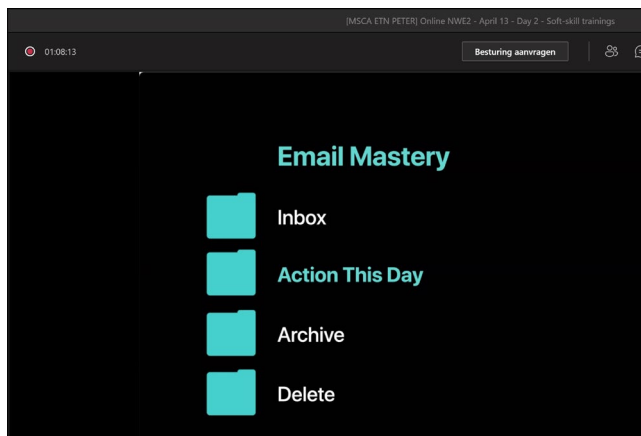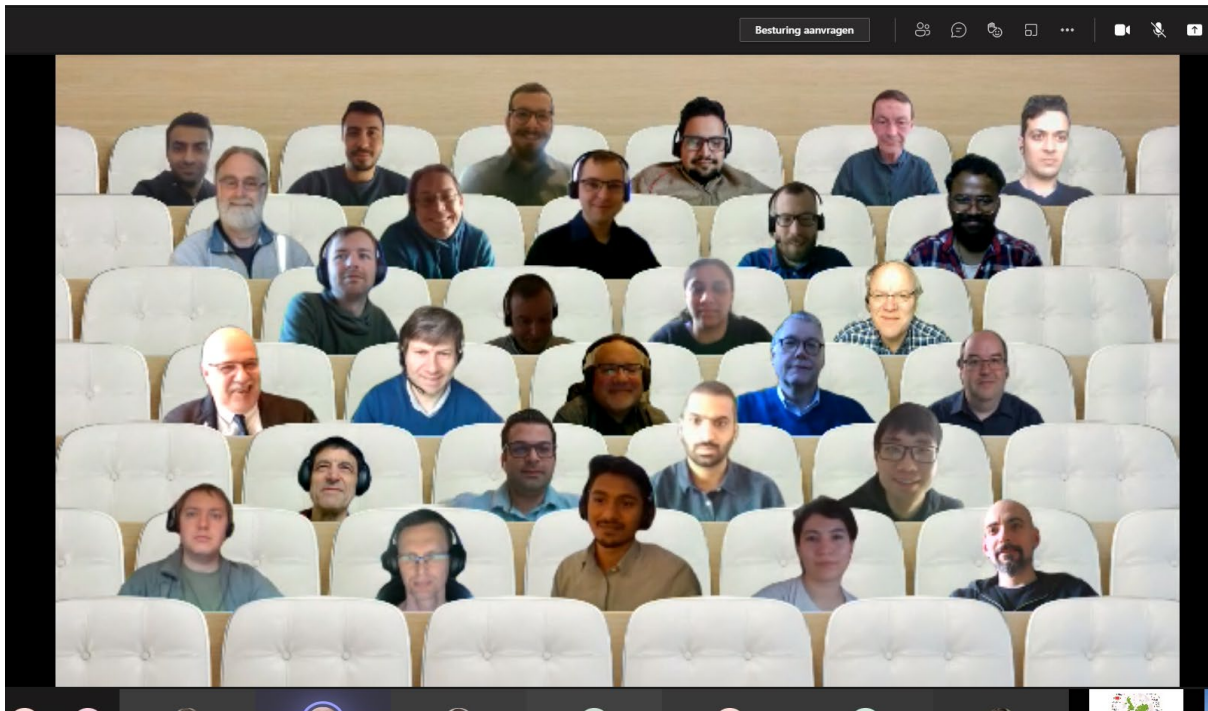**3) Social Activity 3: Kahoot Quiz (held on 16/04/2021, 18:00 – 20:00 CEST)**

The most important social activity, as played last year as well, was the Kahoot Quiz. The organizer creates quizzes in a gaming environment. Participants get points for each correct answer depending on the time taken for each question. This year, the Kahoot Quiz was organized and guided by Vasiliki Gkatsi (ESR 13) & Akram Ramezani (ESR 14).
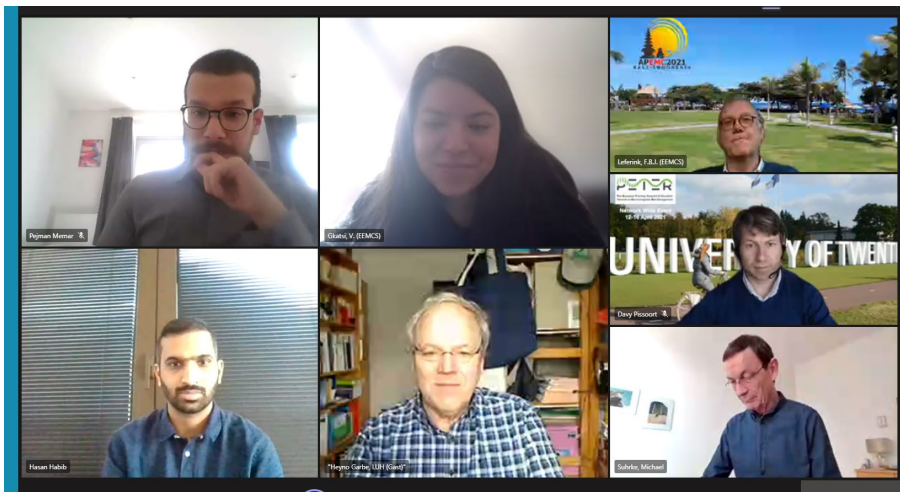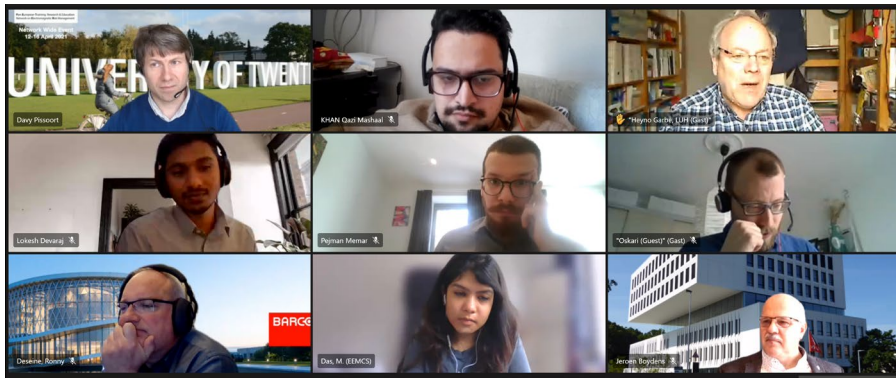
The Quiz had 71 questions in which most of them were multiple-choice questions, and few Polls were included. Questions were related to PETER ESRs, PETER project, General Knowledge, Riddles, Trivia, Social, and few technical questions. Each question had a time limit and had 1000 points. ESRs got higher points when they answered the question faster. Each question had a time limit of 5 to 30 secs. After each question, points were displayed on the shared screen for interaction and discussion.

In the end, there were three winners in this quiz, and they were Qazi (ESR 7) [1st], Oskari (ESR 8) [2nd], and Zhao (ESR 12) [3rd]. According to the poll by the end of the quiz, 10 out of 15 ESRs agreed that this activity was fun, interactive, and successful. They would love to play it again but were hopeful that the next PETER NWE3 would be physical and explore other socializing options on-site. All ESRs applauded the winner Qazi and thanked Vasso & Akram for preparing such a fantastic quiz.

Pan-European Training, research and education
network on ElectroMagnetic Risk management.

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12. Photos online MSCA ETN PETER Network-Wide Event 2

[Blog PETER Network-Wide Event 2: An early stage researcher's view on the PETER NWE2.](#)

Training

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☐ The ESRs are following research-specific trainings and general (obligatory) trainings organized by their doctoral schools, as well as (international) scientific and soft-skill workshops outside the project

☐ Network-wide trainings scheduled during this NWE 2 (M25):

   ▣ S/T Training I: Risk-Based EMC versus EM Resilience (F. Leferink, Thales and D. Pissoort, KU Leuven)

   ▣ Soft-skill Training I: Win-winnovation: the smart cooperation skill set for better results (P. Verhoeve, Origanius)

   ▣ Soft-skill Training II: How to get your paper published (F. Leferink, Thales)

   ▣ Soft-skill Training III: Time management (C. Pullein)

   ▣ S/T Training II: Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond (L. Van der Perre, KU Leuven)

MSCA-ETN PETER NWE 2

April 12-16, 2021

Mobile network generations

1G

2G

- 1G: analog voice

- 2G: digital voice

- 3G: mobile data

- 4G: mobile internet

- 5G: …....

3G

4G

Standardization in 3GPP name 'New Radio' (**NR**), several releases (Rel. 15, Rel. 16, Rel. 17, Rel.18)

13. Survey PETER NWE 2, April 12-16, 2021, Microsoft Teams Online Meetings

After the online PETER NWE 2, two short online surveys have been sent to all the participants to obtain valuable feedback in order to further improve the quality of future network wide events. A part of one survey can be found in **Annex 11**.

Survey results (1 to 5 scale with 1 = Poor and 5 = Excellent)

Plenary Sessions (**10** Beneficiaries and Partner Organisations (out of 24); **11** ESRs (out of 15))

Subject	Item	Average "Beneficiaries and Partner Organisations"	Average "ESRs"	Overall Average
Content	Progress Report Presentation	4.8	4.6	4.7
	Supervisory Board Meeting	4.7		
	ESR council		4.3	
	Work Package Parallel Sessions	4.7	4.3	4.5
	ESR Presentations	4.6	4.2	4.4
	Q&A sessions	4.5	4.5	4.5
	Format: ESR Presentation + Q&A sessions	4.5	4.2	4.35
Online Experience	Microsoft Teams as platform	4.6	4.5	4.55
	Organization	4.9	4.4	4.65
Events	Invited Talk "EMC in hospitals"	4.7	4.5	4.6
	Problem Solving Session	4.7	3.6	4.15
	ESR Social Activities		4.0	

Online Training Sessions (**11** ESRs (out of 15), **12** external (out of 19))

The online training sessions were open to the SAS ESRs and consortium members interested as well as ESRs from other (ETN) projects, such as such as SAS[4], ETOPIA[5], and ETERNITY[6].

Training	Average "ESR"	Average "Ext."
S/T training: *Risk-based EMC vs. EMC Resilience*	4.5	4.6
Soft-skill training: *Win-winnovation*	3.4	
Soft-skill training: *How to get your paper published?*	4.5	4.7
Soft-skill training: *Time management*	3.6	4.5
S/T training: *Technologies exploiting […] 5G networks, and beyond*	4.1	4.5
Overall rating	**4.02**	**4.58**

Survey comments:

- Very well prepared. Efficient meeting notwithstanding COVID restrictions
- Good format, presentations were within the planned timespan, there was enough time to ask questions
- ESRs have to practice giving presentations as well, virtual or live, would have been better to organize synchronous presentations.
- job well done!
- Overall all ESR presentations were good. Some ESRs need to improve their presentation skills and focus on the work that will result in publication the most.
- Very interesting and relevant was the invited talk on EMC in Hospitals. The problem solving session went okay, but more time was needed to discuss each individual topic.
- Thank all the organizers, hopefully we can meet physically next time:)
- Not all the participants could express their opinion. Perhaps there should be either longer session time or different breakout rooms. [Problem Solving Session]
- Working with young students keeps my old brain healthy and challenges my own ideas. Interesting to hear "fresh" ideas regarding redundancy (one of my specialties for over 45 years) and the demand for long lasting manufacturer responsibilities - independent of EMC environment changes in the future. The idea to fix hardware shortcoming's by software is definitely doable to some extend but often not for elementary oversights. Hence Einstein said: Keep things simple - but not too simple! Excellent session !!!!! [Problem Solving Session]

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[4] ETN SAS: https://etn-sas.eu/
[5] ITN ETOPIA: http://www.etopia-itn.org/
[6] ETN ETERNITY: https://eternity-project.eu/

14. Table overview with Annexes + Annexes

Annex 1	Detailed Agenda PETER NWE II April 12-16, 2021
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Annex 3	Report ESR Council PETER NWE II April 12, 2021
Annex 4	PPT Presentation "Welcome and Progress Report" April 14, 2021
Annex 5	PPT Template "ESR Presentation" April 14-15, 2021
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Annex 1

Detailed Agenda PETER NWE II April 12-16, 2021

PE/ER

Pan-European Training, research and education
network on ElectroMagnetic Risk management.

MSCA ETN PETER Network Wide Event 2

April 12 – 16, 2021

Detailed Agenda - Online Meetings

Background: Due to the actual COVID-19 crisis, it is impossible to have a Face2Face Network-Wide Event @Thales in Hengelo (The Netherlands).

The Agenda on the next pages is to overcome this restriction by shifting to online meetings through **Microsoft Teams** for this Network-Wide Event.

Please note that the timings for the meetings are mentioned in ==CEST==!

Pan-European Training, research and education
network on ElectroMagnetic Risk management.

MONDAY 12.04.2021 – Day 1
ESRs and those interested

Time (CEST)	Agenda Item	Participants	Teams-Link
13:00 - 13:30	**Welcome by Project Manager**	ESRs, PM	Meeting link
13:30 - 15:00	ESR Council	ESRs	**separate link**
15:30 - 17:30	S/T training: *"Risk-Based EMC versus EM Resilience"* (Frank Leferink, Thales and Davy Pissoort, KU Leuven)	ESRs and those interested	Meeting link
19:00 – 21:00	**ESRs – Social Activity 1**	ESRs	---

Pan-European Training, research and education
network on ElectroMagnetic Risk management.

TUESDAY 13.04.2021 – Day 2
ESRs and those interested

Time (CEST)	Agenda Item	Participants	Teams-Link
9:30 - 11:00	Soft-skill training: *"Win-winnovation: the smart cooperation skill set for better results"* (Piet Verhoeve, Origanius)	ESRs and those interested	
			Meeting link
11:30 - 12:30	Soft-skill training: *"How to get your paper published"* (Frank Leferink, Thales)	ESRs and those interested	
12:30 - 14:00	Lunch break		
14:00 - 15:30	Soft-skill Training: *"Time management"* (Carl Pullein)	ESRs and those interested	Meeting link

Pan-European Training, research and education
network on ElectroMagnetic Risk management.

WEDNESDAY 14.04.2021 – Day 3
ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team

Time (CEST)	Agenda Item	Participants	Teams-Link
9:00 - 9:45	**Welcome and Progress Report by Project Coordinator**	All	
10:00 - 11:00	ESR1-4 presentations (15 min. each)	All	
11:00 - 11:15	Break		Meeting link
11:15 - 12:00	Q&A Session ESR1-4 presentations	All	
12:00 - 13:30	Lunch break		
13:30 - 15:00	**Supervisory Board Meeting**	**Consortium members + Qazi**	**separate link**
15:00 - 16:00	ESR5-8 presentations (15 min. each)	All	
16:00 - 16:15	Break		Meeting link
16:15 - 17:00	Q&A Session ESR5-8 presentations	All	
19:00 – 21:00	**ESRs – Social Activity 2**	ESRs	---

Pan-European Training, research and education
network on ElectroMagnetic Risk management.

THURSDAY 15.04.2021 – Day 4
ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team

Time (CEST)	Agenda Item		Participants	Teams-Link
9:00 - 10:00	ESR9-12 presentations (15 min. each)		All	Meeting link
10:00 - 10:45	Q&A Session ESR9-12 presentations		All	
10:45 - 11:00	Break			
11:00 - 12:00	**WP Parallel Sessions: 4 S/T Work Packages (one meeting/WP)**			
		WP1	ESRs + (co-) supervisors WP1	Meeting link WP1
		WP2	ESRs + (co-) supervisors WP2	Meeting link WP2
		WP3	ESRs + (co-) supervisors WP3	Meeting link WP3
		WP4	ESRs + (co-) supervisors WP4	Meeting link WP4
12:00 - 12:30	**WP Overview Parallel Sessions: Summary**		All	Meeting link
12:30 - 14:00	Lunch break			
14:00 - 14:45	ESR13-15 presentations (15 min. each)		All	
14:45 - 15:30	Q&A Session ESR13-15 presentations		All	
15:30 - 16:00	Break			Meeting link
16:00 - 17:00	**"EMC in hospitals":** joint talk given by Robert Vogt (UTwente) and Bärbel van den Berg (Medisch Spectrum Twente)		All	
17:15 - 17:45	**Conclusions of the meeting + project next steps**		All	

FRIDAY 16.04.2021 – Day 5
ESRs and those interested

Time (CEST)	Agenda Item	Participants	Teams-Link
9:00 - 10:30	S/T Training: *"Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond"* (Liesbet Van der Perre, KU Leuven)	ESRs and those interested	Meeting link
11:00 - 12:30	PETER Problem Solving Session	ESRs and those interested	Meeting link
12:30 - 14:00	Lunch break		
14:00 - 15:00	Closing session with ESRs: communication strategy, PODIO and Network-Wide Event evaluation	ESRs, CM and PM	Meeting link
19:00 – 21:30	**ESRs Social activity 3**	ESRs	---

Annex 2

PPT Presentation "Welcome by Project Manager" April 12, 2021

EU H2020 MSCA-ETN PETER
ONLINE NETWORK-WIDE EVENT 2
APRIL 12-16, 2021

Monday, April 12, 2021: Day 1

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

1

2

Welcome by Project Manager
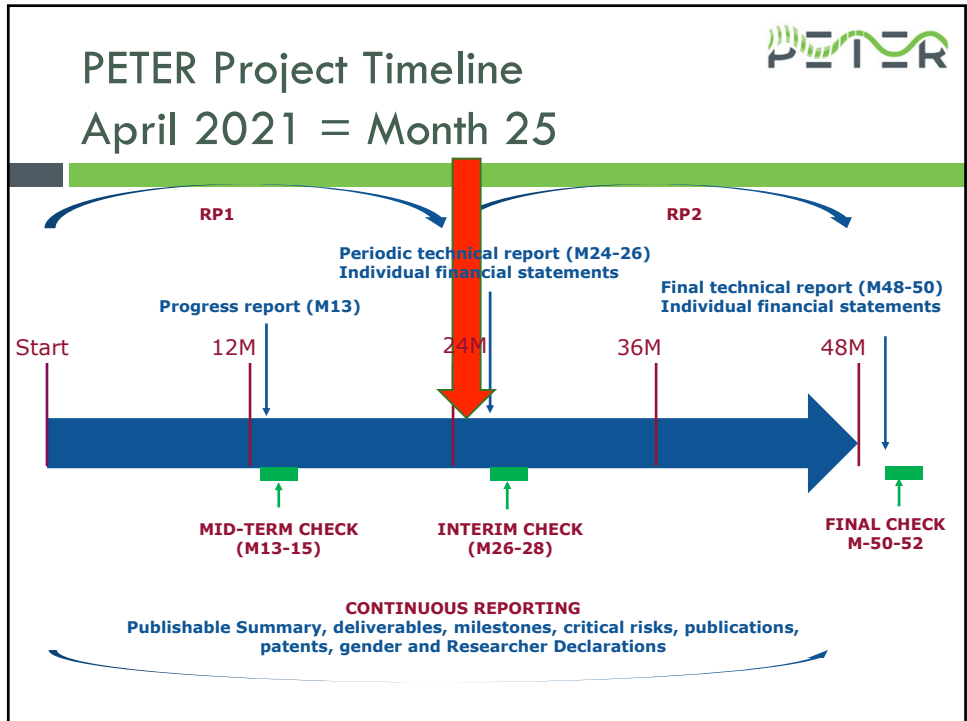
13:00-13:30 (CEST)

2

PETER Project Timeline
April 2021 = Month 25

RP1   RP2

Periodic technical report (M24-26)
Individual financial statements

Final technical report (M48-50)
Individual financial statements

Progress report (M13)

Start   12M   24M   36M   48M

MID-TERM CHECK
(M13-15)

INTERIM CHECK
(M26-28)

FINAL CHECK
M-50-52

CONTINUOUS REPORTING
Publishable Summary, deliverables, milestones, critical risks, publications,
patents, gender and Researcher Declarations

3

Online Network-Wide Event 2:
April 12-16, 2021 – Day 1-2

4

MONDAY 12.04.2021 – Day 1
ESRs

Time (CET)	Agenda Item	Participants
13:00 - 13:30	Welcome by Project Manager	ESRs, PM
13:30 - 15:00	ESR Council	ESRs
15:30 - 17:30	S/T training: *"Risk-Based EMC versus EM Risk Management"* (Frank Leferink, Thales and Davy Pissoort, KU Leuven)	ESRs
19:00 – 21:00	ESRs – Social Activity 1	ESRs

TUESDAY 13.04.2021 – Day 2
ESRs

Time (CET)	Agenda Item	Participants
9:30 - 11:00	Soft-skill training: *"Win-winnovation: the smart cooperation skill set for better results"* (Piet Verhoeve, Origanius)	ESRs
11:30 - 12:30	Soft-skill training: *"How to get your paper published"* (Frank Leferink, Thales)	ESRs
14:00 - 15:30	Soft-skill Training: *"Time management"* (Carl Pullein)	ESRs

MSCA-ETN PETER NWE 2   April 12-16, 2021

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Online Network-Wide Event 2: April 12-16, 2021 – Day 3

5

WEDNESDAY 14.04.2021 – Day 3
ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team

Time (CET)	Agenda Item	Participants
9:00 - 9:45	Welcome and Progress Report by Project Coordinator	All
10:00 - 11:00	ESR1-4 presentations (15 min. each)	All
11:00 - 11:15	Break	
11:15 - 12:00	Q&A Session ESR1-4 presentations	All
12:00 - 13:30	Lunch break	
13:30 - 15:00	Supervisory Board Meeting	Consortium + Qazi
15:00 - 16:00	ESR5-8 presentations (15 min. each)	All
16:00 - 16:15	Break	
16:15 - 17:00	Q&A Session ESR5-8 presentations	All
19:00 – 21:00	ESRs – Social Activity 2	ESRs

MSCA-ETN PETER NWE 2

April 12-16, 2021

5

Online Network-Wide Event 2: April 12-16, 2021 – Day 4

6

THURSDAY 15.04.2021 – Day 4
ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team

Time (CEST)	Agenda Item	Participants
9:00 - 10:00	ESR9-12 presentations (15 min. each)	All
10:00 - 10:45	Q&A Session ESR9-12 presentations	All
10:45 - 11:00	Break	All
11:00 - 12:00	WP Parallel Sessions: 4 S/T Work Packages (one meeting/WP)	All
12:00 - 12:30	WP Overview Parallel Sessions: Summary	All
12:30 - 14:00	Lunch break	
14:00 - 14:45	ESR13-15 presentations (15 min. each)	All
14:45 - 15:30	Q&A Session ESR13-15 presentations	All
15:30 - 16:00	Break	
16:00 - 17:00	"EMC in hospitals": joint talk given by Robert Vogt (UTwente) and Bärbel van den Berg (Medisch Spectrum Twente)	All
17:15 - 17:45	Conclusions of the meeting + project next steps	All

MSCA-ETN PETER NWE 2

April 12-16, 2021

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Online Network-Wide Event 2: April 12-16, 2021 – Day 5

FRIDAY 16.04.2021 – Day 5
ESRs + those interested

Time (CEST)	Agenda Item	Participants
9:00 - 10:30	S/T Training: *"Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond"* (Liesbet Van der Perre, KU Leuven)	ESRs and those interested
11:00 - 12:30	PETER Problem Solving Session	ESRs and those interested
12:30 - 14:00	Lunch break	
14:00 - 15:00	Closing session with ESRs: communication strategy, PODIO and Network-Wide Event evaluation	ESRs, CM and PM
19:00 – 21:30	ESRs Social activity 3	ESRs

MSCA-ETN PETER NWE 2

April 12-16, 2021

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PETER NWE 2 – Online Meetings

- **All the timings for the meetings are mentioned in CEST.**
- The online meetings are through **Microsoft Teams.**
- Please foresee a good internet connection for yourself and also turn on your webcam.
  - "direct contact" between all consortium members and ESRs despite the online set-up.

MSCA-ETN PETER NWE 2

April 12-16, 2021

8

PETER NWE 2 – Problem Solving Session

Friday, April 16, 11:00-12:30

3 topics – 3 groups:

- **Group 1:** Every new technology generates new EMC issues. Do we need new standards, or are current standards sufficient? Or do we need other approaches? (**EMC Standards**)
- **Oskari, Mohammad, Vasso, Zhao, Akram**

MSCA-ETN PETER NWE 2   April 12-16, 2021

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PETER NWE 2 – Problem Solving Session

Group 2: It is impossible to perform a proper EM risk assessment for situations in the future since we do not know how technology and the associated human behaviour will evolve. Imagine that an EM-risk assessment was done to put a product on the market 25 years ago, almost nobody ever heard about the internet, let alone the massive impact on wireless connectivity. (**EMC Risk Assessment Impossible**)

- **Samikshya, Hasan, Arunkumar, Fernando**

MSCA-ETN PETER Conference-Call   April 12-16, 2021

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PETER NWE 2 – Problem Solving Session

13

- **Group 3:** PETER will introduce EM-risk assessment and -management approach as a replacement for a rule based approach, so, forget the rules, no one wants to apply them and they are not appropriate and efficient anyway. (**Forget Rule-based Approach**)
  - **Pejman, Lokesh, Qazi, Arash, Mumpy**

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PETER NWE 2 – Problem Solving Session

14

- Each group discusses the selected topic.
- Each group prepares a presentation of maximum **10min** about their topic and the groups opinion/stance towards this topic.
- At the Problem Solving Session, each group will present the topic using the presentation.
- Once presented, the other ESRs and attending industry will discuss the topic with you.

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PETER NWE 2 - ESR Council

15

□ ESR Council at this online NWE2 on Monday, April 12 from 13:30-15:00.

◻ Facilitate Interaction between ESRs.

◻ Discuss Project related topics, secondment issues.

◻ Experiences related to training and communication.

◻ ESR Council is held at each PETER NWE.

◻ President is the ESR representative for each council > Qazi

◻ One Secretary appointed for each council > Hasan

◻ ESR representative reports to the Supervisory Board

MSCA-ETN PETER NWE 2   April 12-16, 2021

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PETER NWE 2: ESR Social Activities

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□ ESR Social activities at online NWE2:

1. Monday, April 12, 19:00-21:00: **Shellshock.io**

2. Wednesday, April 14, 19:00-21:00: **Scribble Online**

3. Friday, April 16, 19:00-21:30: **Kahoot Quiz**

■ **Vasso and Akram will organize this Kahoot Quiz**

MSCA-ETN PETER NWE 2   April 12-16, 2021

16

17   Secondments

17

Secondments 2020-2021

18

- **Update SECONDMENTS OVERVIEW and MITIGATION PLAN 2020-2021 – version 1:**
  - Updated secondments plan
  - Modified secondment timings with reasoning + mitigation
  - Alignment with (co-)supervisors + respective secondment host supervisor(s).
- **Version 2** of this secondments overview and mitigation plan: **February 28, 2021**.
- **Please update the Google Excel sheet.**

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Secondments Plan - Summary

- **Impact of COVID-19 crisis on scheduled secondments**: still a lot of uncertainties regarding travel restrictions, limited access to universities/companies/research labs/... for the next coming months...

- **By consequence**: at this moment often little visibility on when and how secondments for some ESRs will take place in the next coming year.

- **Therefore: keep PETER Management Team informed/updated regarding any issues/difficulties that might occur so we can take contingency measures and align everything with the EC REA.**

MSCA-ETN PETER NWE 2   April 12-16, 2021

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20   **Project Visual Identity**

20

PETER Project Visual Identity (1/3)

To achieve the best dissemination and communication results, the following visual identifications and tools need to be used:

PETER Project Logo

MSCA-ETN PETER NWE 2   April 12-16, 2021

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PETER Project Visual Identity (2/3)

PETER Project Templates (for PPT, scientific conference presentations, newsletters, project reporting and deliverables)

MSCA-ETN PETER NWE 2   April 12-16, 2021

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Slide 23

Slide 24

Paper Presubmission Procedure

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Periodic Report 1

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PETER Periodic Report 1

- **Deadline:** M24 (April 1, 2021) + 60 days = **May 31, 2021 !!!**

Periodic Report 1

Financial Statements (automatically generated)

Publishable **Summary**

Technical Report

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Periodic technical report (M24-26) + Interim check (M26-28)

- **Periodic Technical Report**
  - Needs to be submitted in **M24-26: April – May 2021.**
  - Current state of affairs regarding the research progress in the PETER Project >> "**content report**"
  - Overview of all the deviations so far occurred in the PETER Project regarding deliverables/milestones/supervisory committees/secondments (reasoning + mitigation).
- **More information has been sent to all of you + respective (co-)supervisors >>> please follow-up closely and adequately.**
- **Deadline for sending your input was April 9, 2021.**

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29	ESR Council

13:30-15:00 (CEST)

29

30	S/T Training: *Risk-Based EMC versus EM Resilience* (Frank Leferink, Thales, and Davy Pissoort, KU Leuven)

15:30-17:30 (CEST)

30

31 ESR Social Activity 1: Shellshock.io

19:00-21:00 (CEST)

31

Annex 3

Report ESR Council PETER NWE II April 12, 2021

Pan-European Training, research and education
network on ElectroMagnetic Risk management.

MSCA ETN PETER NWE2 April 12, 2021
13:30 - 15:00 Online Meeting

ESRs Council

President (1 ESR): Qazi Mashaal Khan (ESR7)

Secretary (1 ESR): Hasan Habib (ESR5)

Guidelines

The goal of the Researcher Council is to discuss project-related topics between the ESRs and facilitate interaction between the ESRs. Personal issues or issues with your supervisor should not be discussed here (for this, the Project Manager or the ombudsperson can be contacted). Experiences in your research can be shared and discussions on training, communication, and project management.

Each time one President and one Secretary is appointed to moderate the meeting, take notes and prepare a short report. This can be used as a basis for reporting to the Supervisory Board.

ESR Council Report MSCA ETN PETER NWE2

Goals of the ESR Council:

Facilitating interaction between ESRs is one of the critical factors in this ESR council session, which will take place during each Network Wide Event (NWE). Discussions regarding blogs, secondment issues, pieces of training, dissemination, and communications will take place in these sessions. All ESRs will share their respective experiences in their journey of research until this event. For each NWE, there will be one President (ESR representative) and one Secretary to report about these sessions to Supervisory Board (SB). For NWE2, Qazi Mashaal Khan (ESR 7) has been selected as the President, and Hasan Habib (ESR 5) has been appointed as the Secretary.

Virtual Secondments & Work Efficiency:

During the Network Wide Event II, personal experiences regarding virtual secondments were discussed. Particular focus was given to work efficiency throughout the secondments. ESRs believe entirely virtual secondment was not that efficient, especially in terms of research. However, partial virtual secondments or a combination of virtual and physical secondments worked quite well. After deliberate discussion, it was concluded that most of ESRs prefer a physical secondment or a partially physical secondment in the future.

Particular experience of ESRs is mentioned as following,

- Samikshya (ESR1) had not that good experience with virtual experience; she felt things were not that clear to her, and she needed to do measurements that were not possible virtually. Samikshya also faced issues because she was working on multiple things (paper for EMC Europe).
- Lokesh (ESR3) just attended lectures in his virtual secondment, he does not think it was that beneficial as it could be physical, but it went well.
- Mumpy (ESR4) followed semi-virtual secondment at MST, and she feels it went well. She visited the hospital whenever it was necessary.
- Hasan (ESR5) did his secondment virtually, and he thinks he did much work, but it took a lot of time on minor issues, and he thinks if it was physical, maybe he could be more focused and faster.
- Oskari (ESR8) traveled to the UK for the physical secondment, but unfortunately, the UK's lockdown made him attend the secondment virtually, so it was not entirely physical.
- Nancy (ESR10) partially did a virtual secondment at the University of Twente, which was quite okay for her. She did background work at home and measurements at Thales

Unfortunately, due to time limitations and the circumstances due to COVID-19 related restrictions, it may not be possible to postpone secondments further. Therefore, if the

situation is better, secondments will happen physically. Otherwise, virtual or semi-virtual secondments are advised for all ESRs.

Research progress:

For Ph.D. students, the proper work environment is a stimulus to conduct progressive research. In the Network-wide Event 2, extensive discussion was held between ESRs regarding teleworking and research progress. Most of ESRs think their research is going well and teleworking is not affecting their research progress. At the same time, most of ESRs think sometimes going to the office is quite beneficial. For the same reason, ESRs prefer the hybrid model. All ESRs were advised to actively participate in the Academic Collaboration groups to improve their work output. Every ESR was also reminded about the PETER (pre) submission procedure when submitting a Conference/Journal paper.

Academic Collaboration Groups:

In February 2021, Pejman Memar (ESR 6) came up with a plan to make Academic Collaboration Groups, besides our usual Work Packages, work together in sub-groups and contribute to joint work, resulting in Journal Papers. Initially, brainstorming sessions were organized, and four academic collaboration groups were formed after the input of each individual ESRs. Each sub-group had a group leader who will moderate their sessions likely to take place once a month. Those groups with their respective group leaders are the following:

- Group 1: Risk analysis tools, system safety, EMI & Autonomous systems (ESR 6 & ESR 3)
- Group 2: Reverberation chamber & Shielding effectiveness (ESR 9)
- Group 3: EM environment characterization (ESR 4)
- Group 4: Modelling & Measurements (ESR 13)

Until now, each group includes a member with similar Ph.D. objectives and is progressing steadily. A separate working folder was created to include the presentations and minutes of the group meetings. It was mutually decided that the frequency of these monthly individual meetings would increase once the research plan is finalized.

Research Gate:

Research Gate is the professional network for all the researchers worldwide; it allows us to share, discover, and discuss our PETER project research with professional researchers all over the world. To increase the visibility of the PETER project and its publications, a PETER Research Gate project was proposed last year and maintained by Mumpy Das (ESR 5). Some ESRs had a question: they need to upload papers on the research gate to make them open access. For this reason, it was disseminated to ESRs that Research Gate is not an official repository, so uploading there can create a conflict of interest with IEEE Xplore. Research papers need to be uploaded to the local repository offered by their universities or institute. Research gate can be used as a dissemination tool to share basic information of a research paper, and in case

someone needs that specific paper from the research gate, they can contact privately by request.

Blog Scheduling & Dissemination on Social media:

Frequent blogs on the official PETER website are necessary to provide quality content to the social media pages. Technical and social blogs were disseminated by ESRs regularly after every three weeks on the PETER website and social media pages. The PETER consortium was satisfied with the blog schedule and management in the past year. The ESR Representative (Qazi) & ESR1 (Samikshya) were responsible for managing the blogs and ensuring each blog was proofread & submitted on time. All ESRs appreciated their efforts.

As we can see, the successful social media activities, which helped outreach until now, were from LinkedIn. Other social media pages like Facebook and Twitter had minimal activities and outreach to date. It was discussed among ESRs on how to improve this activity. Although most of us were in confinement, we decided that all of us would have access to the PETER Facebook page & twitter channel and try to contribute to making more frequent posts.

Election for a New ESR Representative:

According to the PETER Annex document, every year, there should be an opportunity that another ESR is volunteering to be the ESR Representative. These elections were not mandatory but only advised by the PETER consortium. If there were no volunteers, then the current ESR Representative (Qazi, ESR 7) would continue his duties for the following year.

After disclosing this in the ESR council meeting, only Lokesh Devaraj (ESR 3) volunteered to be elected as the new ESR Representative. All ESRs proposed that an election be conducted between the volunteer and the current ESR Representative. The election was made anonymous, using a polling website created by the Secretary (Hasan, ESR 5). The results were the following:

- Qazi (ESR 7) : 7 votes (47% in favour)
- Lokesh (ESR 3) : 8 votes (53% in favour)

Lokesh Devaraj (ESR 3) was therefore elected as the new ESR Representative for the following year. All ESRs congratulated him for taking this post and thanked Qazi (ESR 7) for his contribution as the previous ESR Representative. All responsibilities related to the work of the ESR Representative were passed on to Lokesh, including the blog scheduling after the NWE2.

After this, all ESRs took a group photo together, shown in Fig. 1. During the long days of online events, every ESR recognized some difficulty of continuous concentration. To understand each other's working conditions, a collage of "What do you see when gazing out of your window?" pictures were collected as displayed in Fig2. They show how serene Europe is in springtime.
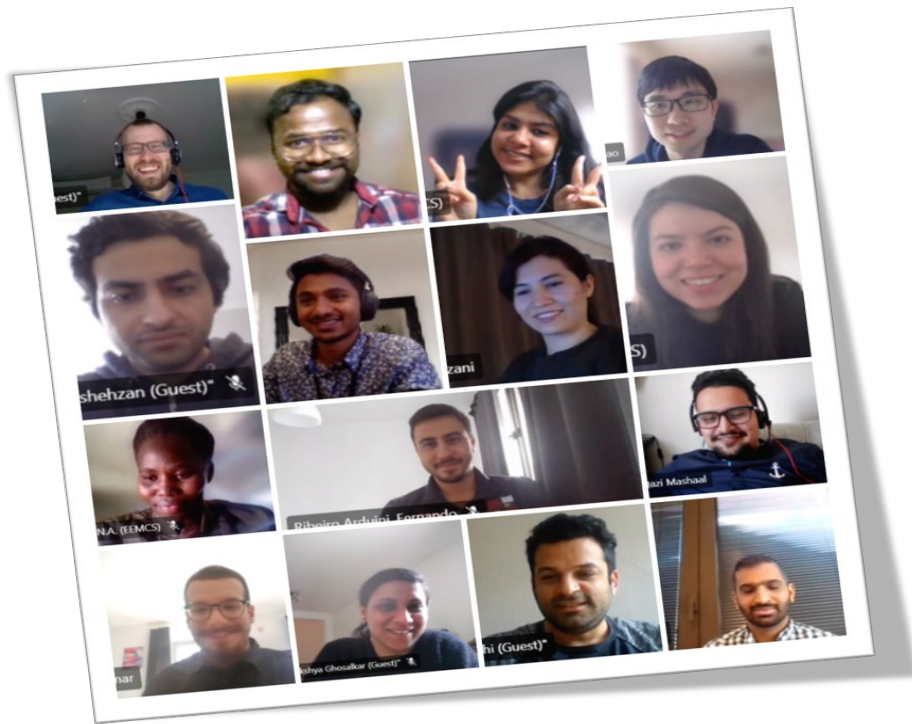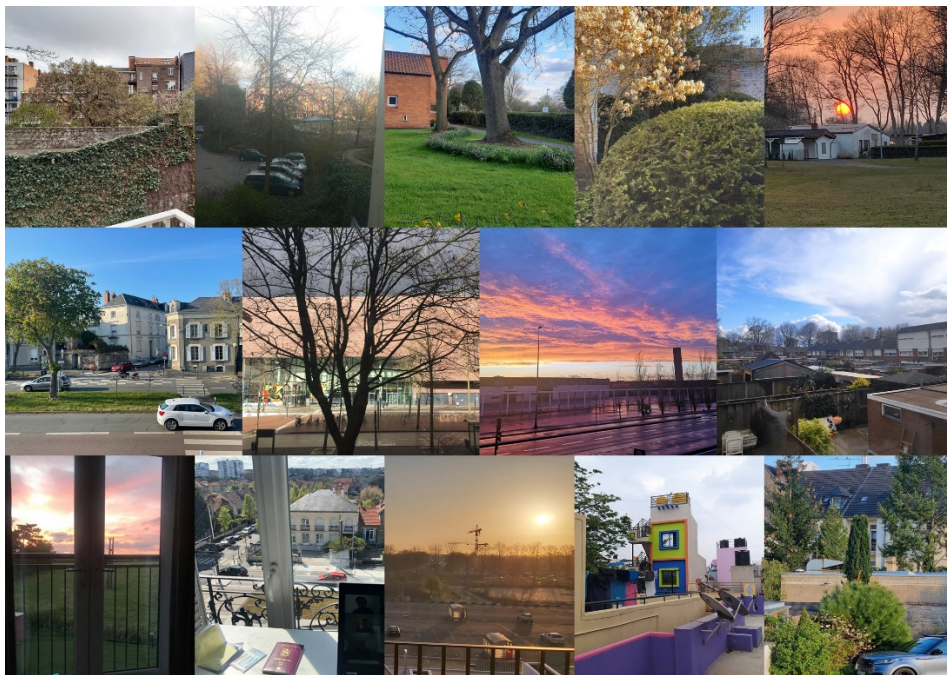
Fig 1. ESR Council Group Photo

Fig 2. Collage of Window views of ESRs

ESR Social Activities & Kahoot Quiz:

ESRs arranged three online social activities amongst themselves during the NWE2. They are described below with their mentioned timings:

1) Social Activity 1: Shellshock.io (held on 12/04/2021, 19:00 – 21:00 CEST)

This was an online shooting game that most ESRs had already played in their weekly informal meetings. Only the use of a Laptop was required. 12 out of 15 ESRs joined this activity. The ESRs were divided into teams (Blue and Red) and worked together to get more points by shooting opponent members. The higher the kill count, the more points each got. Most ESRs enjoyed playing and had some fun.

2) Social Activity 2: Skribbl.io (held on 14/04/2021, 19:00 – 21:00 CEST)

The second social event was scribble. It was an online word guessing game, where each player was given words, and they had to make the other guess by only drawing things related to it. The faster each ESR guessed, the more points they got. 11 out of 15 ESRs took part in this activity. A total of 8 rounds were played, and each word had a guessing time of 70 seconds. Custom words were added as well to make the experience more enjoyable. All playing ESRs agreed this was a wonderful experience and would continue to play it in the informal meetings.

3) Social Activity 3: Kahoot Quiz (held on 16/04/2021, 18:00 – 20:00 CEST)

The most important social activity, as played last year as well, was the Kahoot Quiz. The organizer creates quizzes in a gaming environment. Participants get points for each correct answer depending on the time taken for each question. This year, the Kahoot Quiz was organized and guided by Vasiliki Gkatsi (ESR 13) & Akram Ramezani (ESR 14). 12 out of 15 ESRs were present in this activity.

The Quiz had 71 questions in which most of them were multiple-choice questions, and few Polls were included. Questions were related to PETER ESRs, PETER project, General Knowledge, Riddles, Trivia, Social, and few technical questions. Each question had a time limit and had 1000 points. ESRs got higher points when they answered the question faster. Each question had a time limit of 5 to 30 secs. After each question, points were displayed on the shared screen for interaction and discussion. An example of one of the questions is displayed in Fig. 3.

In the end, we had three winners in this quiz, and they were Qazi (ESR 7) [1st], Oskari (ESR 8) [2nd], and Zhao (ESR 12) [3rd]. The results are shown in Fig. 4. According to the poll by the end of the quiz, 10 out of 15 ESRs agreed that this activity was fun, interactive, and successful. They would love to play it again but were hopeful that the next PETER NWE3 would be physical and explore other socializing options on-site. All ESRs applauded the winner Qazi and thanked Vasso & Akram for preparing such a fantastic quiz.
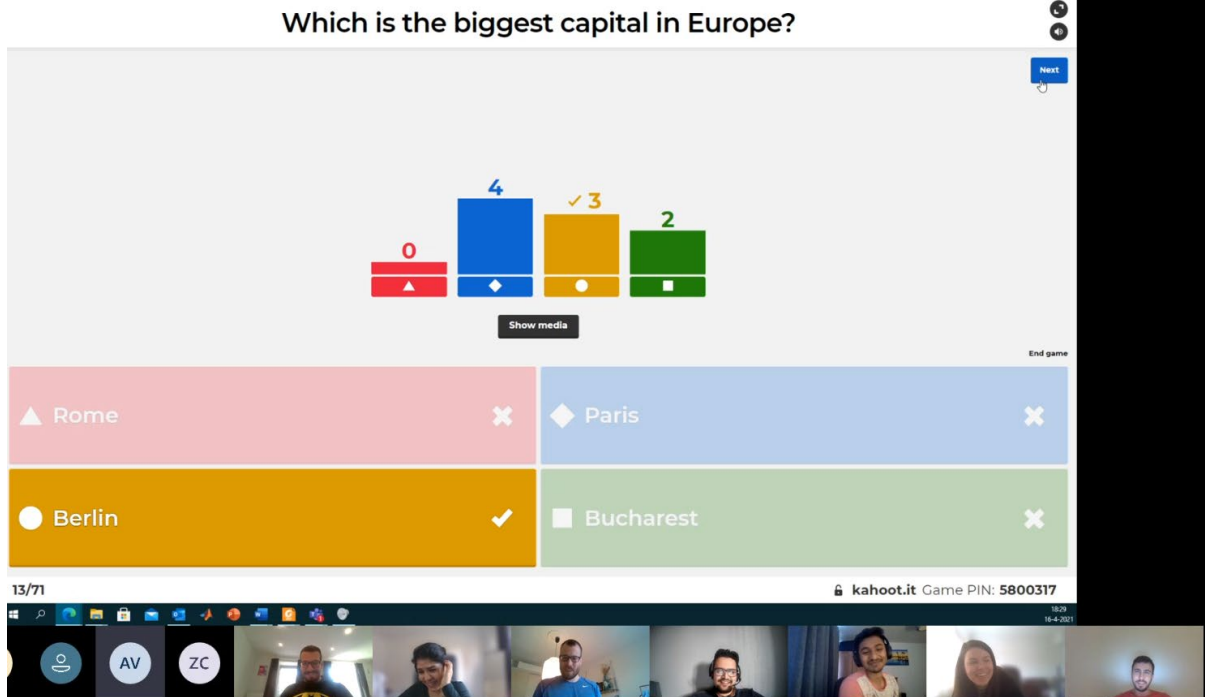
Fig. 3 Example of Kahoot Quiz environment (social)
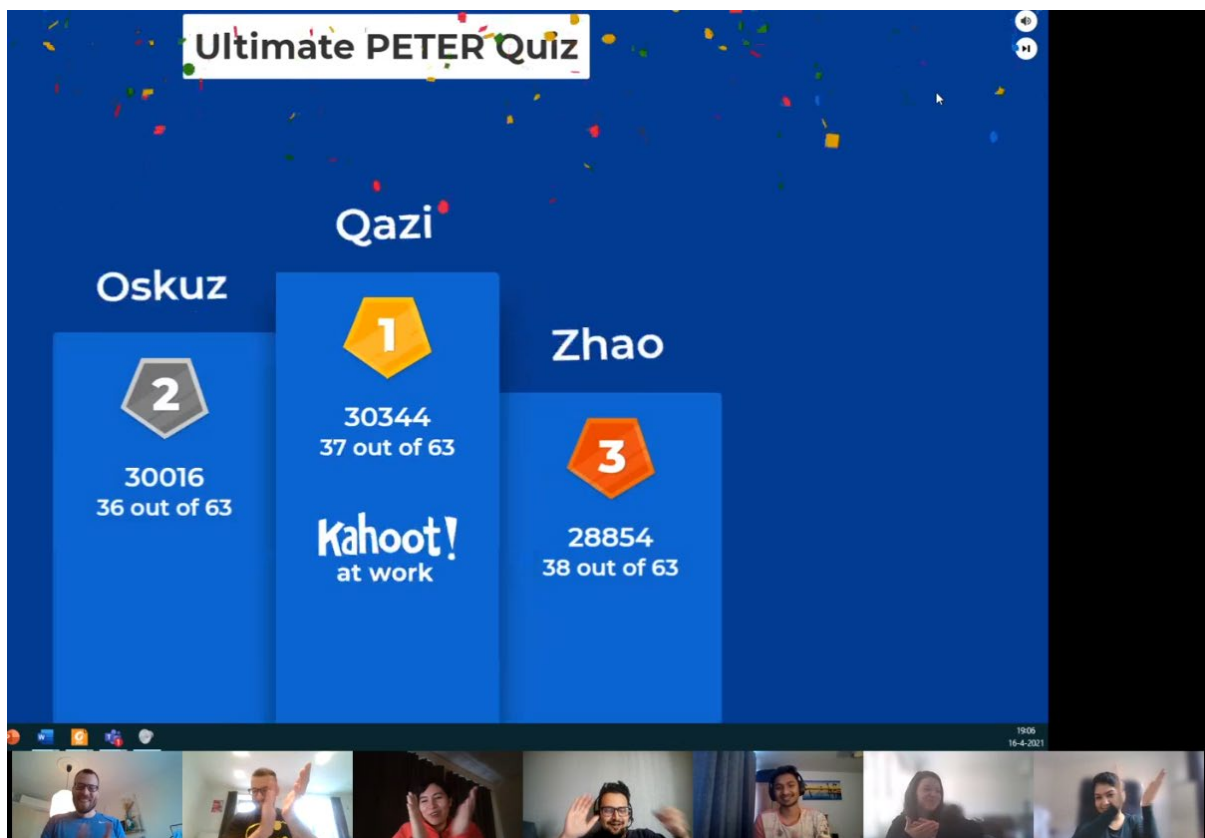

Fig. 4 Results of the Kahoot Quiz (ESRs applauding the winner)

Annex 4

PPT Presentation "Welcome and Progress Report" April 14, 2021

1

2   **Welcome and Progress Report by Project Coordinator**

9:00-9:45 (CEST)

2

PETER Gantt Chart
(M1 = April 2019) – currently M25/48

PETER Kick-Off, Barco Kortrijk, 4-5/02/2020

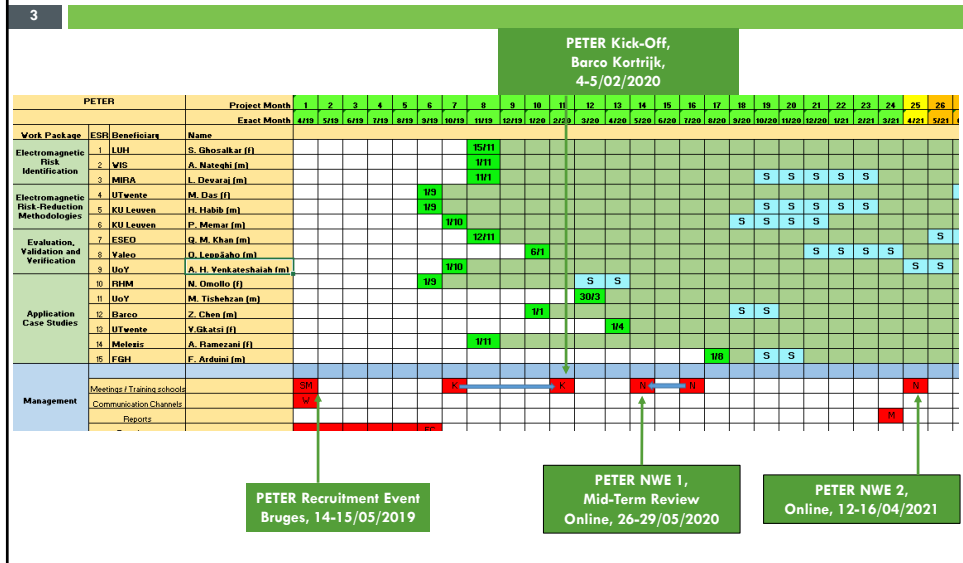| PETER	ESR	Beneficiary	Name	Project Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
				Esact Month	4/19	5/19	6/19	7/19	8/19	9/19	10/19	11/19	12/19	1/20	2/20	3/20	4/20	5/20	6/20	7/20	8/20	9/20	10/20	11/20	12/20	1/21	2/21	3/21	4/21	5/21
Electromagnetic Risk Identification	1	LUH	S. Ghosalkar (f)									15/11																		
	2	VIS	A. Nateqhi (m)									1/11																		
	3	MIRA	L. Devaraj (m)									11/1											S	S	S	S	S			
Electromagnetic Risk-Reduction Methodologies	4	UTwente	M. Das (f)							1/9														S	S	S	S	S		
	5	KU Leuven	H. Habib (m)							1/9														S	S	S	S	S		
	6	KU Leuven	P. Memar (m)								1/10													S	S	S	S			
Evaluation, Validation and Verification	7	ESEO	Q. M. Khan (m)									12/11																		S
	8	Valeo	O. Leppäaho (m)												6/1									S	S	S	S		
	9	UoY	A. H. Venkateshaiah (m)								1/10																	S	S
Application Case Studies	10	RHM	N. Omollo (f)							1/9						S	S													
	11	UoY	M. Tishehzan (m)												30/3															
	12	Barco	Z. Chen (m)								1/1								S	S									
	13	UTwente	V.Gkatsi (f)													1/4													
	14	Meleris	A. Ramezani (f)								1/11																		
	15	FGH	F. Arduini (m)																	1/8	S	S							
Management			Meetings / Training schools	SM						K		K		N	N													N	
			Communication Channels	✓																							M		
			Reports																										

PETER Recruitment Event Bruges, 14-15/05/2019

PETER NWE 1, Mid-Term Review Online, 26-29/05/2020

PETER NWE 2, Online, 12-16/04/2021

PETER Project Timeline
April 2021 = Month 25

RP1   RP2

**Periodic technical report (M24-26)
Individual financial statements**

Progress report (M13)

**Final technical report (M48-50)
Individual financial statements**

Start   12M   24M   36M   48M

**MID-TERM CHECK
(M13-15)**

**INTERIM CHECK
(M26-28)**

**FINAL CHECK
M-50-52**

**CONTINUOUS REPORTING
Publishable Summary, deliverables, milestones, critical risks, publications,
patents, gender and Researcher Declarations**

Online Network-Wide Event 2: April 12-16, 2021 – Day 1-2

MONDAY 12.04.2021 – Day 1
ESRs

Time (CET)	Agenda Item	Participants
13:00 - 13:30	**Welcome by Project Manager**	ESRs, PM
13:30 - 15:00	ESR Council	ESRs
15:30 - 17:30	S/T training: *"Risk-Based EMC versus EM Risk Management"* (Frank Leferink, Thales and Davy Pissoort, KU Leuven)	ESRs
19:00 – 21:00	**ESRs – Social Activity 1**	ESRs

TUESDAY 13.04.2021 – Day 2
ESRs

Time (CET)	Agenda Item	Participants
9:30 - 11:00	Soft-skill training: *"Win-winnovation: the smart cooperation skill set for better results"* (Piet Verhoeve, Origanius)	ESRs
11:30 - 12:30	Soft-skill training: *"How to get your paper published"* (Frank Leferink, Thales)	ESRs
14:00 - 15:30	Soft-skill Training: *"Time management"* (Carl Pullein)	ESRs

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April 12-16, 2021

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Online Network-Wide Event 2: April 12-16, 2021 – Day 3

WEDNESDAY 14.04.2021 – Day 3
ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team

Time (CET)	Agenda Item	Participants
9:00 - 9:45	**Welcome and Progress Report by Project Coordinator**	All
10:00 - 11:00	ESR1-4 presentations (15 min. each)	All
11:00 - 11:15	Break	
11:15 - 12:00	Q&A Session ESR1-4 presentations	All
12:00 - 13:30	Lunch break	
13:30 - 15:00	**Supervisory Board Meeting**	Consortium + Qazi
15:00 - 16:00	ESR5-8 presentations (15 min. each)	All
16:00 - 16:15	Break	
16:15 - 17:00	Q&A Session ESR5-8 presentations	All
19:00 – 21:00	**ESRs – Social Activity 2**	ESRs

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Online Network-Wide Event 2: April 12-16, 2021 – Day 4

7

THURSDAY 15.04.2021 – Day 4
ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team

Time (CEST)	Agenda Item	Participants
9:00 - 10:00	ESR9-12 presentations (15 min. each)	All
10:00 - 10:45	Q&A Session ESR9-12 presentations	All
10:45 - 11:00	Break	All
11:00 - 12:00	**WP Parallel Sessions: 4 S/T Work Packages (one meeting/WP)**	All
12:00 - 12:30	**WP Overview Parallel Sessions: Summary**	All
12:30 - 14:00	Lunch break	
14:00 - 14:45	ESR13-15 presentations (15 min. each)	All
14:45 - 15:30	Q&A Session ESR13-15 presentations	All
15:30 - 16:00	Break	
16:00 - 17:00	**"EMC in hospitals"**: joint talk given by Robert Vogt (UTwente) and Bärbel van den Berg (Medisch Spectrum Twente)	All
17:15 - 17:45	**Conclusions of the meeting + project next steps**	All

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Online Network-Wide Event 2: April 12-16, 2021 – Day 5

8

FRIDAY 16.04.2021 – Day 5
ESRs + those interested

Time (CEST)	Agenda Item	Participants
9:00 - 10:30	S/T Training: *"Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond"* (Liesbet Van der Perre, KU Leuven)	ESRs and those interested
11:00 - 12:30	PETER Problem Solving Session	ESRs and those interested
12:30 - 14:00	Lunch break	
14:00 - 15:00	Closing session with ESRs: communication strategy, PODIO and Network-Wide Event evaluation	ESRs, CM and PM
19:00 – 21:30	**ESRs Social activity 3**	ESRs

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PETER NWE 2 – Online Meetings

- **All the timings for the meetings are mentioned in CEST.**
- The online meetings are through **Microsoft Teams**.
- Please foresee a good internet connection for yourself and also turn on your webcam.
  - "direct contact" between all consortium members and ESRs despite the online set-up.

MSCA-ETN PETER NWE 2   April 12-16, 2021

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PETER NWE 2 – ESR presentations

- About 15 mins/ESR
- At this Online NWE 2 – Video recorded ESR presentations.
- Questions/remarks can be asked in the chat during the video presentations.
- After 4 presentations, a Q&A Session is foreseen:
  - Interaction with the respective ESRs and other consortium members regarding the ESR presentations and research progress.
- PPT Template and instructions have been sent to ESRs.
  - In-depth presentation regarding research/scientific progress.
  - Update regarding scientific dissemination, deliverable and milestone.

MSCA-ETN PETER NWE 2   April 12-16, 2021

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PETER NWE 2 – Problem Solving Session

11

- **Friday, April 16, 11:00-12:30**
- 3 topics – 3 groups:
  - **Group 1:** Every new technology generates new EMC issues. Do we need new standards, or are current standards sufficient? Or do we need other approaches? (**EMC Standards**)
  - **Oskari, Mohammad, Vasso, Zhao, Akram**

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PETER NWE 2 – Problem Solving Session

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- **Group 2:** It is impossible to perform a proper EM risk assessment for situations in the future since we do not know how technology and the associated human behaviour will evolve. Imagine that an EM-risk assessment was done to put a product on the market 25 years ago, almost nobody ever heard about the internet, let alone the massive impact on wireless connectivity. (**EMC Risk Assessment Impossible**)
  - **Samikshya, Hasan, Arunkumar, Fernando**

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PETER NWE 2 – Problem Solving Session

- **Group 3:** PETER will introduce EM-risk assessment and -management approach as a replacement for a rule based approach, so, forget the rules, no one wants to apply them and they are not appropriate and efficient anyway. (**Forget Rule-based Approach**)
  - **Pejman, Lokesh, Qazi, Arash, Mumpy**

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PETER NWE 2 – Problem Solving Session

- Each group has discussed the selected topic.
- Each group has prepared a presentation of maximum **10min** about their topic and the groups opinion/stance towards this topic.
- At the Problem Solving Session, each group will present the topic using the presentation.
- Once presented, the other ESRs and attending industry will discuss the topic with you.

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PETER Supervisory Board

Group 1 (1 vote per beneficiary):
- D. Pissoort (PC, KU Leuven)
- J. Boydens (VC, KU Leuven)
- T. Claeys (S/T C, KU Leuven)
- One representative from each Project Beneficiary:
  - R. Deseine (Barco)
  - H. Pues (Melexis)
  - H. Garbe (LUH)
  - M. Schaarschmidt (WIS)
  - M. Suhrke (FHG)
  - F. Leferink (UTwente)
  - J.K. van der Ven (RH Marine)
  - J. Dawson (UoY)
  - A. Ruddle (HORIBA MIRA)
  - M. Ramdani (ESEO)
  - P. Fernandez-Lopez (Valeo)

Group 2 (no formal voting rights):
- S. Stroobant (PM, KU Leuven)
- One representative from each Partner Organisation:
  - J. Bredemeyer (FCS)
  - F. Leferink (Thales)
  - B. van den Berg (MST)
  - K. Armstrong (CCC)
  - P. Huntley-Hawkins (LR)
  - A. Duffy (DMU)
  - J. van der Willik (Nedap)
  - **Qazi Mashaal Khan as the ESR representative**

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Recruited and started ESRs (15/15)

Samikshya Ghosalkar
ERS1 (Leibniz University Hannover)
more about Samikshya

Arash Nateghi
ESR2 (Werhwissenschaftliches Insitut für Schutztechnologien)
more about Arash

Lokesh Devaraj
ESR3 (Horiba Mira Ltd.)
more about Lokesh

Mumpy Das
ESR4 (University of Twente)
more about Mumpy

Hasan Habib
ESR5 (KU Leuven)
more about Hasan

Pejman Memar
ESR6 (KU Leuven)
more about Pejman

Qazi Mashaal Khan
ESR7 (ESEO)
more about Qazi

Oskari Leppäaho
ESR8 (Valeo)
more about Oskari

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8

Recruited and started ESRs (15/15)

Arunkumar H. Venkateshaiah
ESR9 (University of York)
more about Arunkumar

Nancy Omollo
ESR10 (RH Marine)
more about Nancy

Mohammad Tishehzan
ESR11 (University of York)
more about Mohammad

Zhao Chen
ESR12 (Barco NV)
more about Zhao

Vasiliki Gkatsi
ESR13 (University of Twente)
more about Vasiliki

Akram Ramezani
ESR14 (Melexis)
more about Akram

Fernando Ribeiro Arduini
ESR15 (Fraunhofer INT)
more about Fernando

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Personal Career Development Plan PCDP

- ☐ All recruited ESRs developed, in dialogue with their supervisors, a Personal Career Development Plan (PCDP).
- ☐ 12 signed PDCPs have been uploaded to the EC REA (D5.3 PCDP Progress Report I) on **July 22, 2020**.
- ☐ 15 signed updated PCDPs have been uploaded to the EC REA (D5.2 PCDP Report) on **September 30, 2020**.
- ☐ **Progress reports of the PCDPs** to Supervisory Board are a 6 monthly recurring Deliverable.
- ☐ D5.4 Progress Report II of PCDP to Supervisory Board Meeting: **Delivery Due Date: April 30, 2021.**

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Training

- □ The ESRs are following research-specific trainings and general (obligatory) trainings organized by their doctoral schools, as well as (international) scientific and soft-skill workshops outside the project
- □ Network-wide trainings scheduled during this NWE 2 (M25):
  - ◘ S/T Training I: Risk-Based EMC versus EM Resilience (F. Leferink, Thales and D. Pissoort, KU Leuven)
  - ◘ Soft-skill Training I: Win-winnovation: the smart cooperation skill set for better results (P. Verhoeve, Origanius)
  - ◘ Soft-skill Training II: How to get your paper published (F. Leferink, Thales)
  - ◘ Soft-skill Training III: Time management (C. Pullein)
  - ◘ S/T Training II: Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond (L. Van der Perre, KU Leuven)

MSCA-ETN PETER NWE 2

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PETER WP1-4 Parallel Sessions – Intermediate Discussion

- □ Intermediate PETER WP Discussion through Teams meeting to discuss:
  - ◘ Progress in research
  - ◘ Deliverables, Milestones and Secondments update
  - ◘ Possible collaboration
- □ All ESRs within each WP, S/T coordinator + the WP leader
- □ WP1: **February 22, 1pm-3pm**
- □ WP2: **March 2, 3pm-5pm**
- □ WP3: **March 5, 1pm-3pm**
- □ WP4:
  - ◘ Group 1: **March 1, 1pm-3pm**
  - ◘ Group 2: **March 2, 10am-12am**

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21 | **Secondments**

Secondments 2020-2021

22

☐ **Update SECONDMENTS OVERVIEW and MITIGATION PLAN 2020-2021:**

- ▪ Updated secondments plan
- ▪ Modified secondment timings with reasoning + mitigation
- ▪ Alignment with (co-)supervisors + respective secondment host supervisor(s).

☐ **Version 1** has been submitted to the EC REA in **October 2020.**

☐ **Version 2** has been submitted to the EC REA on **April 8, 2021.**

MSCA-ETN PETER NWE 2 April 12-16, 2021

Secondments Plan - Summary

- **Impact of COVID-19 crisis on scheduled secondments**: still a lot of uncertainties regarding travel restrictions, limited access to universities/companies/research labs/… for the next coming months…

- **By consequence**: at this moment often little visibility on when and how secondments for some ESRs will take place in the next coming year.

- **Therefore: keep PETER Management Team informed/updated regarding any issues/difficulties that might occur so we can take contingency measures and align everything with the EC REA.**

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Secondments

- After each Secondment a Secondment Report needs to be written by the ESR, and signed by the ESR and the Secondment Hosting Supervisor.
  Template is available via Podio.

- **IMPORTANT**
  The Actual Secondment Period needs to be submitted at the H2020 Participant Portal (under the Tab 'Researchers') as soon as the Secondment has ended, so not sooner!

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25 — Periodic Report 1

25
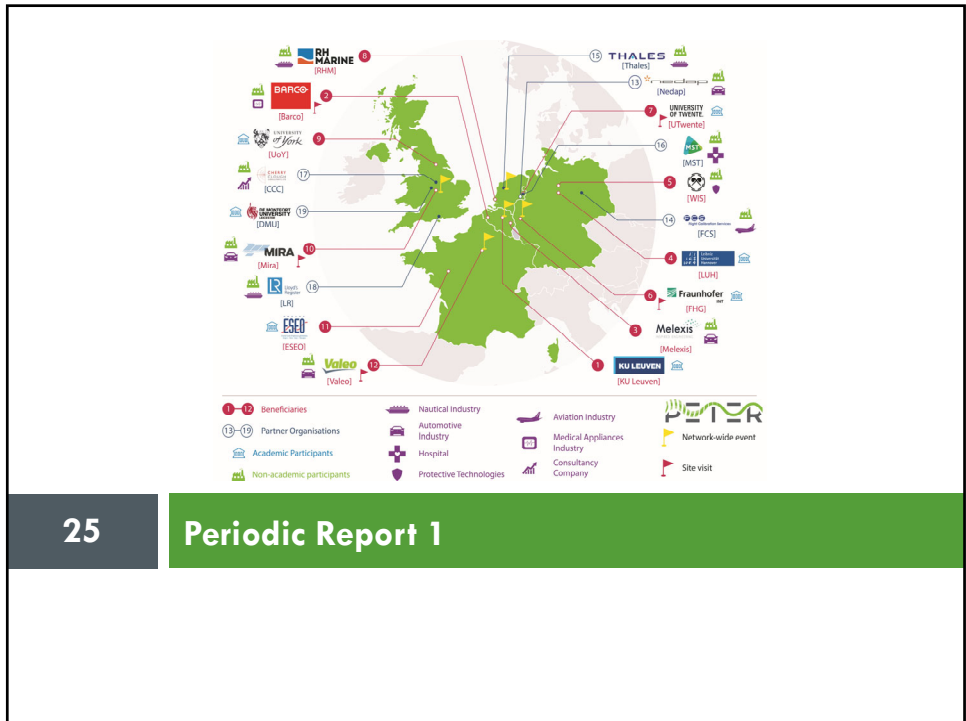
PETER Periodic Report 1

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- **Deadline:** M24 (April 1, 2021) + 60 days = **May 31, 2021 !!!**

Periodic Report 1

- Financial Statements (automatically generated)
- Publishable **Summary**
- **Technical Report**

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PETER Technical Report

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☐ **Reporting period covers till M24 = 31/03/2020**

Technical Report
(first 24 months)

Narrative report:
1. Objectives
2. Explanation of the work by each WP/ESR
3. Dissemination & communication
4. Management
5. Deliverables-Secondments/Deviations
6. Impact

Continuous reporting on Tabs in the EC Portal

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Periodic technical report (M24-26) + Interim check (M26-28)

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☐ **Periodic Technical Report**
   ◻ Needs to be submitted in **M24-26: April – May 2021.**
   ◻ Current state of affairs regarding the research progress in the PETER Project >> "**content report**"
   ◻ Overview of all the deviations so far occurred in the PETER Project regarding deliverables/milestones/supervisory committees/secondments (reasoning + mitigation).

☐ All necessary information and respective templates has been sent to the ESRs + (co-)supervisors.

☐ Please follow-up adequately and consequently regarding the input that we are expecting from all of you.

☐ **Deadline for sending all necessary input to Stephane: <u>April 23, 2021</u>.**

☐ After April 23: additional input/information/feedback, if applicable.

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Communication and Dissemination Outreach

29

PETER Project Visual Identity (1/3)

30

To achieve the best dissemination and communication results, the following visual identifications and tools need to be used:

PETER Project Logo

Pan-**E**uropean **T**raining, Research & Education
Network on **E**lectromagnetic **R**isk Management

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PETER Project Visual Identity (2/3)

PETER Project Templates (for PPT, scientific conference presentations, newsletters, project reporting and deliverables)

Pan-European Training, research and education network on ElectroMagnetic Risk management.

EU H2020 MSCA-ETN PETER KICK-OFF MEETING – PART 1

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER Kick-Off Meeting
February 4-5 2020, BARCO KORTRIJK - BELGIUM

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PETER Project Visual Identity (3/3)

EU funding acknowledgement

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

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Post

Scientific dissemination (peer-review publications) – Specific paragraph to be added in acknowledgement section – Publication procedure to be followed

"*The research leading to these results has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 812.790 (MSCA-ETN PETER). This publication reflects only the authors' view, exempting the European Union from any liability. Project website: http://etn-peter.eu/.*"
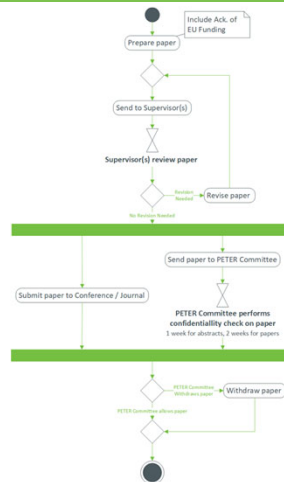
33

Paper Presubmission Procedure

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Blogs and Social Media

- ESRs are involved in communication and dissemination activities.
- So far, the ESRs have written and published **27** blog posts presenting their work for the general public.
- They have published several posts on Social Media
- ESR Researcher Council and informal moments during network-wide events ideal place/ moments to discuss these items and come up with new ideas.
- ESRs have a monthly meeting among themselves.
- Encourage the ESRs to start writing more technical blogs.

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Promo Video

- Example SAS project: https://www.youtube.com/watch?v=L1jEceW29NQ
- A PETER Promo Video will be developed and published during the **third** year of the PETER Project.
- This Video will explain the project goals, and present the team and the collaborating partners,
- This video will be made in collaboration with Storyrunner.
- **Unfortunately** and due to COVID-19, we had to postpone the filming.
- **New date for filming the PETER Video: May 11 in Bruges.**

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PETER Shared repository OneDrive

- □ Shared repository for Consortium members.
- □ Access to all PETER related and relevant documents.

	Name ∨
📁	Communication_Dissemination_Outreach
📁	Conference Calls
📁	Deliverables
📁	Milestones
📁	Network-Wide Events
📁	Official documents
📁	Publications
📁	WP Intermediate Discussions

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38   **Project Deliverables and Milestones**

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Project Deliverables: Submitted September 2020 – April 2021

Deliverable	Lead Beneficiary	Submission Date
D5.2 15 Personal Career Development Plans - **Update**	KU Leuven	September 30, 2020
D5.11 PETER Special Session I (EMC Europe 2020)	KU Leuven	October 15, 2020
D1.1 Basic description statistical electromagnetic risk assessment	LUH, ESR1 Samikshya	October 30, 2020
D7.2 Employment contracts with ESRs - **Update**	KU Leuven	November 3, 2020
D2.1Overview of EMI-relevant IEC61508 techniques & measures	KU Leuven	November 10, 2020
D5.12 PETER Special Session II (**SSS'2021**)	University of York	March 17, 2021
D6.4 Exploitation plan	HORIBA MIRA	March 31, 2021
D3.1 Integrated Circuit to measure absorbed energy	University of York, ESR9 Arunkumar	April 2, 2021

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Project Deliverables: Upcoming Deliverables April – July 2021

Deliverable	Lead Beneficiary	Submission Date
D5.4 Progress report of PCDP to Supervisory Board – v2	KU Leuven	**April 30, 2021**
D5.7 PETER Training School III (NWE2 @ Thales)	UTwente, KU Leuven	**April 30, 2021**
D4.2 Flow-diagram for an EMI-aware safety case	University of York, ESR11 Mohammad	**May 31, 2021**
D4.1 EMI-aware risk identification and assessment of vehicular communication systems	UTwente, ESR13 Vasso	**May 31, 2021**

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Project Deliverables: Special Sessions, Workshops, Tutorials,…

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Deliverable	Event	Type	Responsible	Timing	Location
D5.11	EMC 2020 Rome	Special Session	KU Leuven	Sep 23, 2020	Online
D5.12	SSS 2021	Special Session	University of York	Feb 9-11, 2021	Online
D5.13	Joint IEEE EMC Symposium 2021	Workshop	~~KU Leuven~~ Vasso and Fernando	July 27 - August 13, 2021	Online
D5.14	EMC Compo 2021	Special Session	Melexis, KU Leuven	March 8-11, 2022	Bruges
D5.15	IET SSCS	Workshop	Fraunhofer, HORIBA MIRA ??	???	???

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Project Milestones

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Milestones

Number	Name	Lead Beneficiary	Delivery Date (Annex I)	Achieved	Delivery Date (actual)	
1	Internal and external communication	KU Leuven	30 Apr 2019	☑	05 aug 2019	Deliv Exter
2	Start-up MT meeting	KU Leuven	30 Apr 2019	☑	15 mei 2019	Start 15, 2
4	PETER Kick-Off Meeting/Training School I	BARCO NV	31 Oct 2019	☑	05 feb 2020	PETE 2020
5	Personal Career Development Plans	UoY	31 Dec 2019	☑	13 jan 2020	Deliv Deliv who will b Any p be ac
3	Planned recruitments completed	KU Leuven	31 Mar 2020	☑	01 aug 2020	At th (Frau 19 cr not a this v trave 2020
6	Annual SB meeting I	KU Leuven	31 Mar 2020	☑	27 mei 2020	The Wide Wedr Team
29	Project Check	KU Leuven	30 Jun 2020	☑	27 mei 2020	The Porta took PETE
10	PETER Training School II	LUH	31 Jul 2020	☑	29 mei 2020	Due took
11	Theoretical basis for statistical risk assessment	LUH	31 Oct 2020	☑	30 okt 2020	This (D3)
7	Annual SB meeting II	KU Leuven	31 Mar 2021	☐		

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PETER Deliverables and Milestones

- □ Deviation of the due dates of Deliverables and milestones: detailed information is needed why delayed, specify due dates, clarification why and how. "Deviation Template"
  MITIGATION PLAN >>> ACTION PLAN

- □ Formal notifications regarding these changes are necessary through the EC Participant Portal in order to further align with the Description of the Action as stated in the PETER Grant Agreement Annex 1.

43

44   **ESR 1-4 presentations + Q&A session**

10:00-11:00 (CEST): ESR 1-4 presentations
11:15-12:00 (CEST): Q&A Session ESR1-4 presentations

44

45

Supervisory Board Meeting
Consortium members + Qazi Mashaal Khan (ESR7)

13:30-15:00 (CEST)

45

46

ESR 5-8 presentations + Q&A session

15:00-16:00 (CEST): ESR 5-8 presentations
16:15-17:00 (CEST): Q&A Session ESR5-8 presentations

46

47   **ESRs – Social Activity 2**

19:00-21:00 (CEST)

47

Annex 5

PPT Template "ESR Presentation" April 14-15, 2021

MSCA-ETN PETER
TEMPLATE FOR NWE OR WP MEETING
NAME

This project has received funding from the
European Union's EU Framework Programme
for Research and Innovation Horizon 2020
under Grant Agreement No. 812.790

Date, teleconference meeting

Research/Scientific progress

- □ Please give a presentation of **15 minutes** regarding your research/scientific progress and possible AOB (see next slide).
- □ Be as explanatory as possible also with respect to your accompanying slides (no limit on the number of slides).
- □ **In-depth presentation regarding your scientific progress is highly encouraged.**
- □ Please respect the timeframe of 15 minutes.

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Any other business

<u>1 Slide of possible items you can highlight/mention</u>:

- ☐ Going to conferences + presenting at conferences
- ☐ Scientific dissemination
- ☐ Journals/Conference papers progress
- ☐ Deliverable/Milestone progress
- ☐ Update regarding secondment
- ☐ Following (summer) courses
- ☐ …

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3

Annex 6

Agenda + slides "Supervisory Board Meeting" April 14, 2021

PETER

Pan-European Training, research and education
network on ElectroMagnetic Risk management.

SUPERVISORY BOARD MEETING
APRIL 14, 2021 - ONLINE MEETING
13:30 – 15:00 (CEST)

MSCA-ETN PETER Network-Wide Event 2
April 12-16, 2021

1

PETER

Agenda

2

- □ Impact of COVID-19 crisis on the PETER Project? **25'**
  - ◘ Secondments 2020-2021
  - ◘ Request for extension of the PETER Project?
- □ Periodic technical report (M24-26) + Interim check (M26-28) **15'**
- □ Feedback ESR Council (April 12, 2021) **15'**
- □ Upcoming (network-wide) events **15'**
- □ Exploitation plan **5'**
- □ Any other business: **15'**
  - ◘ Project Deliverables and Milestones
  - ◘ Update PCDPs: recurring deliverable
  - ◘ Ethical self-assessment
  - ◘ …

2

1

3   Impact of COVID-19 crisis on the PETER Project?

3
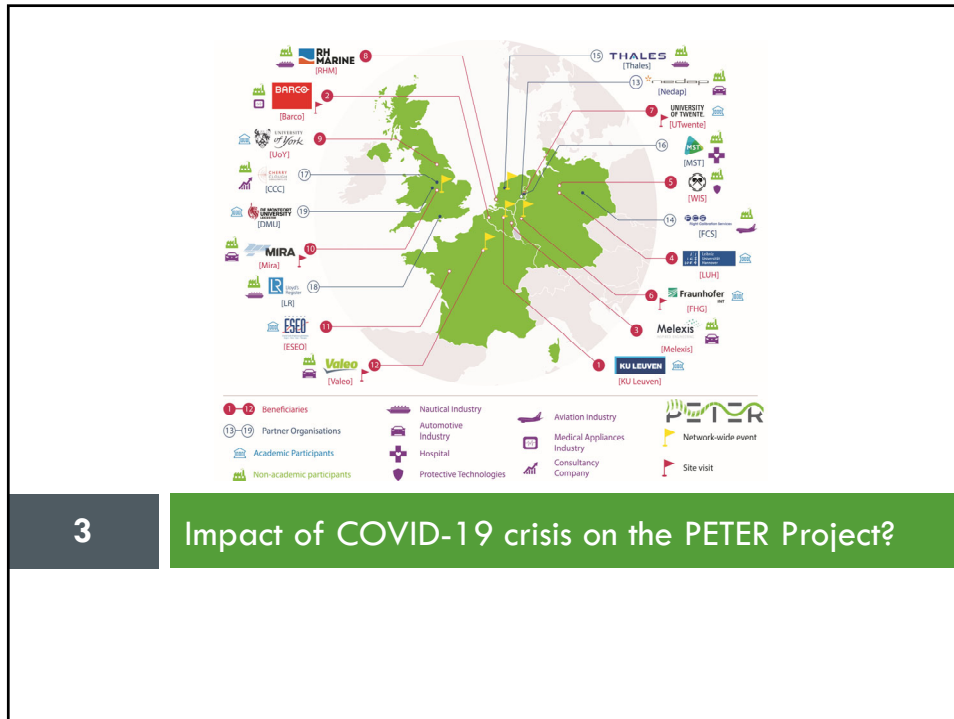
Impact of COVID-19 crisis on the PETER Project?

4

□ KU Leuven is, as coordinator and beneficiary, responsible for putting in place contingency measures to minimize the impact of the coronavirus outbreak on the implementation of the PETER Project.

□ Let's go over every ESR position with respect to:

  ■ Current Research progress – 'daily work alternative'

  ■ Remote Supervision

  ■ Any delays in trainings/secondments/…?

  ■ Other issues/difficulties encountering at this moment or maybe in the near future ?

4

Overview PETER ESRs – Impact COVID-19

ESR	Candidate	Host	Supervisor
ESR1	Samikshya Ghosalkar (f)	LUH	H. Garbe
ESR2	Arash Nateghi (m)	WIS	M. Schaarschmidt
ESR3	Lokesh Devaraj (m)	Horiba-Mira	A. Ruddle
ESR4	Mumpy Das (f)	UTwente	F. Leferink
ESR5	Hasan Habib (m)	KU Leuven	D. Pissoort
ESR6	Pejman Memar (m)	KU Leuven	J. Boydens
ESR7	Qazi Mashaal Khan (m)	ESEO	R. Perdriau
ESR8	Oskari Leppäaho (m)	Valeo	P. Fernandez-Lopez

MSCA-ETN PETER NWE 2

April 12-16, 2021

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Overview PETER ESRs – Impact COVID-19

ESR	Candidate	Host	Supervisor
ESR9	Arunkumar Hunasanahalli Venkateshaiah (m)	UoY	J. Dawson
ESR10	Nancy Omollo (f)	RH Marine	JK van der Ven
ESR11	Mohammad Tishehzan	UoY	M. Nicholson
ESR12	Zhao Chen (m)	Barco	R. Deseine
ESR13	Vasso Gkatsi (f)	UTwente	F. Leferink
ESR14	Akram Ramezani (f)	Melexis	H. Pues
ESR15	Fernando Arduini (m)	Fraunhofer	M. Suhrke

MSCA-ETN PETER NWE 2

April 12-16, 2021

6

Impact of COVID-19 crisis on the ESRs?

- ☐ Mental well-being of the ESRs during these exceptional times (almost 1 year now)…
- ☐ How can we deal with this within the PETER consortium?
- ☐ Any specific initiatives we can put in place?
  - ☐ Informal ESR meetings are going well and are very much appreciated.
- ☐ More thoughts/ideas?

MSCA-ETN PETER NWE 2   April 12-16, 2021

7

Secondments Plan – Summary

- ☐ **Impact of COVID-19 crisis on scheduled secondments**: still a lot of uncertainties regarding travel restrictions, limited access to universities/companies/research labs/… for the next coming months…
- ☐ **By consequence**: at this moment often little visibility on when and how secondments for some ESRs will take place in the next coming year.
- ☐ **Therefore**: keep PETER Management Team informed/updated regarding any issues/difficulties that might occur so we can take contingency measures and align everything with the EC REA.

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Secondments 2020-2021 (1)

9

- **Update SECONDMENTS OVERVIEW and MITIGATION PLAN 2020-2021:**
  - Updated secondments plan
  - Modified secondment timings with reasoning + mitigation
  - Alignment with (co-)supervisors + respective secondment host supervisor(s).
- **Version 1** has been submitted to the EC REA in **October 2020.**
- **Version 2** has been submitted to the EC REA on **April 8, 2021.**

9

Secondments 2020-2021 (2)

10

- **Comments from the EC REA regarding the secondment deviations:**
  - Explain more in detail what concrete actions have been taken with regard to the secondment deviations
  - Explain more in detail how the remote secondments have been implemented (which ESRs involved, supervision put in place, was the online secondment useful?...)
  - Explain more in detail the possible impact on the respective research with regard to secondment deviations

10

(First) Secondments 2020-2021 (3)

PETER ESRs 1-5 – Secondments Plan 2020-2021 – Proposed Timings - Version 1 – Update March 2021

ESR	Secondment 1 (2020-2021)			Secondment 2 (2020-2021)		
	Location	Timing	Status/Remarks	Location	Timing	Status/Remarks
ESR1 Samikshya Ghosalkar	RH Marine (NL)	TBD	Postponed until further notice	WIS Munster and Fraunhofer (GE)	June - July and August - October 2021	Can continue as planned unless sudden very strict corona measures in Germany
ESR2 Arash Nateghi	UTwente (NL)	TBD	Postponed until further notice	Fraunhofer (GE)	August - October 2021	Can continue as planned unless sudden very strict corona measures in Germany
ESR3 Lokesh Devaraj	LUH (GE)	October 2020 – February 2021	Online lecture from Frank Sabath "EMI Risk Management" at LUH (Germany)	UTwente (NL)	April - May 2021	Can continue as planned unless sudden very strict corona measures in Europe
ESR4 Mumpy Das	Lloyd's Register (UK)	June - July 2021	Can continue as planned unless sudden very strict corona measures in Europe or the UK	---	---	---
ESR5 Hasan Habib	ESEO (FR)	October 2020 – April 2021	Secondment is going on remotely at the moment	UTwente and MST (NL)	September 2021 - January 2022	Can continue as planned unless sudden very strict corona measures in unless sudden very strict corona measures in Germany

11

(First) Secondments 2020-2021 (4)

PETER ESRs 6-10 - Secondments Plan 2020-2021 – Proposed Timings - Version 2 – Update March 2021

ESR	Secondment 1 (2020-2021)			Secondment 2 (2020-2021)		
	Location	Timing	Status/Remarks	Location	Timing	Status/Remarks
ESR6 Pejman Memar	UoY (UK)	September 13 – December 13, 2020	Continued as planned, physical presence in York	UTwente and MST (NL)	June - August 2021	Specific timing still to be decided
ESR7 Qazi Mashaal Khan	Melexis (BE)	May 15 - July 15 2021	Foreseen as planned	KU Leuven	November 2021- January 2022	Can continue as planned unless sudden very strict corona measures in Europe together with ESR8
ESR8 Oskari Leppäaho	UoY (UK)	Sep - Oct 2020 and Jan - March 2021	First part virtually on a part-time basis. Since January 2021 physical presence in York	KU Leuven	November 2021- January 2022	Can continue as planned unless sudden very strict corona measures in Europe, together with ESR7
ESR9 Arunkumar Venkateshaiah	Melexis (BE)	April - May 2021	In case of second lock-down, postponed to June - July 2021	---	---	---
ESR10 Nancy Omollo	Lloyd's Register (UK)	June 2021	Foreseen as planned	LUH (GE)	November – December 2021	Foreseen as planned

12

(First) Secondments 2020-2021 (5)

13

PETER ESRs 11-15 - Secondments Plan 2020-2021 – Proposed Timings - Version 2 – Update March 2021

ESR	Secondment 1 (2020-2021)			Secondment 2 (2020-2021)		
	Location	Timing	Status/Remarks	Location	Timing	Status/Remarks
ESR11 Mohammad Tishehzan	RH Marine (NL)	September – November 2021	Specific timing still to be decided	---	---	---
ESR12 Zhao Chen	KU Leuven (BE)	September 14 – October 30, 2020	Continued as planned, physical presence in Bruges, interrupted due to second lockdown	UTwente and MST (NL)	September 2021 - January 2022	Can continue as planned unless sudden very strict corona measures in Europe
ESR13 Vasso Gkatsi	HORIBA MIRA (UK)	June - July 2021	Specific timing still to be decided	LUH (GE)	October – November 2021	Specific timing still to be decided
ESR14 Akram Ramezani	ESEO (FR)	February 2022	Specific timing still to be decided	UoY (UK)	June – July 2022	Specific timing still to be decided
ESR15 Fernando Arduini	LUH (GE)	Oct - Nov 2020	Continued as planned	WIS (GE)	July 2021	Specific timing still to be decided

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Impact of COVID-19 crisis

14

☐ Please keep the PETER Management Team informed regarding any issues/difficulties that might occur so we can take contingency measures and align everything with the Project Officer.

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14

Request for extension
of the PETER Project?

15

- ESR15 Fernando @ Fraunhofer: delayed start due to COVID-19 travel restrictions

- ESR11 Mohammad @ York: suspension of his contract due to COVID-19 travel restrictions and UK regulations

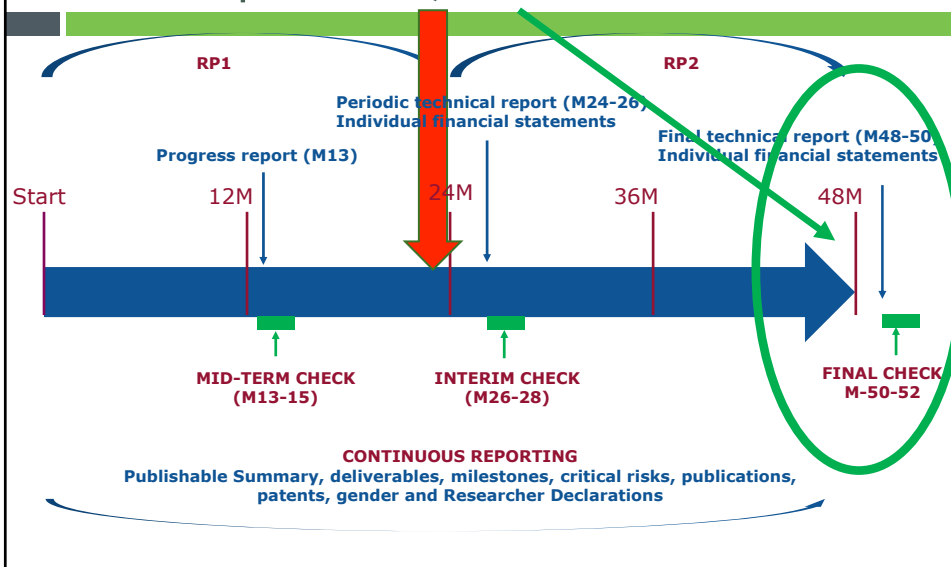- Request for extension of the PETER project will be put in place.

15

Extension of the PETER Project?
M1 = April 2019; **M48** = March 2023

RP1   RP2

Periodic technical report (M24-26)
Individual financial statements

Final technical report (M48-50)
Individual financial statements

Progress report (M13)

Start   12M   24M   36M   48M

MID-TERM CHECK (M13-15)

INTERIM CHECK (M26-28)

FINAL CHECK M-50-52

CONTINUOUS REPORTING
Publishable Summary, deliverables, milestones, critical risks, publications, patents, gender and Researcher Declarations

16

8

Request for extension of the PETER Project?

- ☐ Possible 36 months EU funding for **all (!)** ESRs
- ☐ Due dates of Deliverables/Milestones can be postponed after M48
- ☐ Budget is longer available for all beneficiaries
- ☐ **Final Reporting:**
  - ◘ Final Technical Report (M48-50) will be postponed
  - ◘ Final Check EC REA will be postponed
  - ◘ Final Payment will be postponed
- ☐ **No increase of the maximum grant amount as stated in Article 5.1 of the PETER Grant Agreement.**

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18 Periodic technical report (M24-26) + Interim check (M26-28)

18

PETER Periodic Report 1

19

□ **Deadline:** M24 (April 1, 2021) + 60 days = **May 31, 2021 !!!**

Periodic Report 1

Financial Statements (automatically generated)

Publishable **Summary**
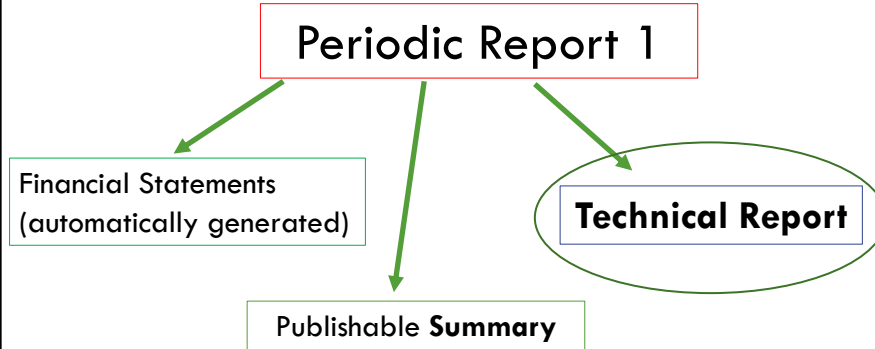
Technical Report

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19

PETER Technical Report

20

□ **Reporting period covers till M24 = 31/03/2020**

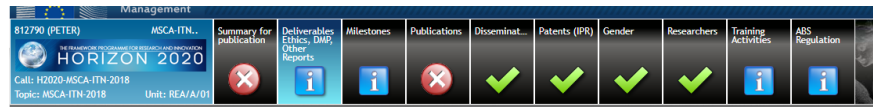Technical Report
(first 24 months)

Narrative report:
1. Objectives
2. Explanation of the work by each WP/ESR
3. Dissemination & communication
4. Management
5. Deliverables-Secondments/Deviations
6. Impact

Continuous reporting on Tabs in the EC Portal
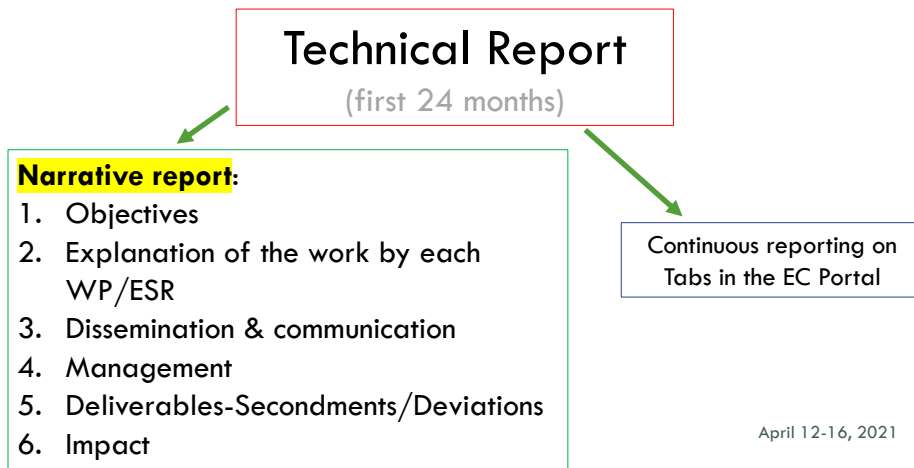
April 12-16, 2021

20

PETER Technical Report

□ **Update Continuous Reporting EC Portal**

21

Periodic technical report (M24-26) + Interim check (M26-28)

□ **Periodic Technical Report**
  ◘ Needs to be submitted in **M24-26: April – May 2021.**
  ◘ Current state of affairs regarding the research progress in the PETER Project >> "**content report**"
  ◘ Overview of all the deviations so far occurred in the PETER Project regarding deliverables/milestones/supervisory committees/secondments (reasoning + mitigation).

□ All necessary information and respective templates has been sent to the ESRs + (co-)supervisors.

□ Please follow-up adequately and consequently regarding the input that we are expecting from all of you.

□ **Deadline for sending all necessary input to Stephane: <u>April 23, 2021</u>.**

□ After April 23: additional input/information/feedback, if applicable.

22

23 Feedback ESR Council (April 12, 2021)

23

Feedback ESR Council (April 12, 2021)

24

☐ Input/feedback from the ESR Council...

24

25   Upcoming (network-wide) events

25

IEEE EMC / EMC Europe 2021: Special Session

26

☐ <u>Proposal for Special Session has been accepted</u>

2021 Joint **IEEE** International Symposium on Electromagnetic Compatibility, Signal & Power Integrity, and EMC Europe
27 July – 13 August 2021, Virtual Event

Proposal for Special Session

I.   **Title of Special Session**
     Risk-based EMC

☐ **Vasso and Fernando are taking the lead in this.**

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ESREL 2021: PETER Special Session

27

- Special session on EM Risk Management has been accepted
  - 30 minutes presentation given by Davy Pissoort
  - Papers submitted by Oskari and Lokesh
- Oskari and Lokesh are taking the lead in this.
- Any update on this?

27

Next Network-Wide Event

28

- **PETER NWE 3 in Nuneaton** (UK) @ HORIBA-MIRA: 5 days
  - **GA DoA Annex I: January 2022 (M34)**
  - **Dates will be aligned with the NWE host and a Doodle for the plenary meetings will be sent out.**
  - **Comments/remarks?**

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PETER Conference Calls

☐ Conference call before summer leave?

 ☐ Beginning of July 2021?

☐ Conference call November 2021

☐ **Doodles will be sent out to set the correct dates.**

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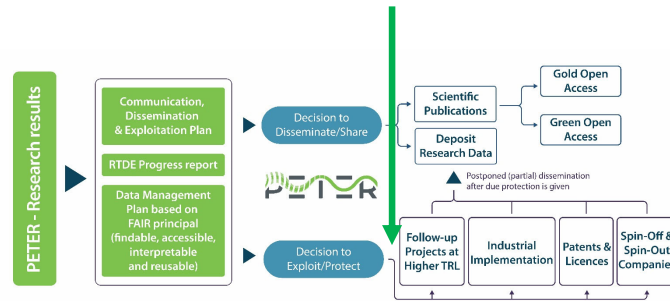
29

30 Exploitation plan

30

31

32

33   Any other business

Project Deliverables: Submitted September 2020 – April 2021

34

Deliverable	Lead Beneficiary	Submission Date
D5.2 15 Personal Career Development Plans - **Update**	KU Leuven	September 30, 2020
D5.11 PETER Special Session I (EMC Europe 2020)	KU Leuven	October 15, 2020
D1.1 Basic description statistical electromagnetic risk assessment	LUH, ESR1 Samikshya	October 30, 2020
D7.2 Employment contracts with ESRs - **Update**	KU Leuven	November 3, 2020
D2.1 Overview of EMI-relevant IEC61508 techniques & measures	KU Leuven	November 10, 2020
D5.12 PETER Special Session II (**SSS'2021**)	University of York	March 17, 2021
D6.4 Exploitation plan	HORIBA MIRA	March 31, 2021
D3.1 Integrated Circuit to measure absorbed energy	University of York, ESR9 Arunkumar	April 2, 2021

Project Deliverables:
Upcoming Deliverables April – July 2021

Deliverable	Lead Beneficiary	Submission Date
D5.4 Progress report of PCDP to Supervisory Board – v2	KU Leuven	**April 30, 2021**
D5.7 PETER Training School III (NWE2 @ Thales)	UTwente, KU Leuven	**April 30, 2021**
D4.2 Flow-diagram for an EMI-aware safety case	University of York, ESR11 Mohammad	**May 31, 2021**
D4.1 EMI-aware risk identification and assessment of vehicular communication systems	UTwente, ESR13 Vasso	**May 31, 2021**

MSCA-ETN PETER NWE 2

April 12-16, 2021

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Project Deliverables:
Special Sessions, Workshops, Tutorials,…

Deliverable	Event	Type	Responsible	Timing	Location
D5.11	**EMC 2020 Rome**	**Special Session**	**KU Leuven**	**Sep 23, 2020**	**Online**
D5.12	**SSS 2021**	**Special Session**	**University of York**	**Feb 9-11, 2021**	**Online**
D5.13	Joint IEEE EMC Symposium 2021	Workshop	~~KU Leuven~~ Vasso and Fernando	July 27 - August 13, 2021	Online
D5.14	EMC Compo 2021	Special Session	Melexis, KU Leuven	March 8-11, 2022	Bruges
D5.15	**IET SSCS**	Workshop	**Fraunhofer, HORIBA MIRA ??**	**???**	**???**

MSCA-ETN PETER NWE 2

April 12-16, 2021

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18

Project Milestones

Milestones

Number	Name	Lead Beneficiary	Delivery Date (Annex I)	♦	Achieved	Delivery Date (actual)	
1	Internal and external communication	KU Leuven	30 Apr 2019		☑	05 aug 2019	Deliv... Exter...
2	Start-up MT meeting	KU Leuven	30 Apr 2019		☑	15 mei 2019	Start... 15, 2...
4	PETER Kick-Off Meeting/Training School I	BARCO NV	31 Oct 2019		☑	05 feb 2020	PETE... 2020.
5	Personal Career Development Plans	UoY	31 Dec 2019		☑	13 jan 2020	Deliv... Deliv... who ... will b... Any p... be ac...
3	Planned recruitments completed	KU Leuven	31 Mar 2020		☑	01 aug 2020	At th... (Frau... 19 cr... not a... this v... trave... 2020
6	Annual SB meeting I	KU Leuven	31 Mar 2020		☑	27 mei 2020	The ... Wide... Wedn... Team
29	Project Check	KU Leuven	30 Jun 2020		☑	27 mei 2020	The ... Porta... took ... PETE...
10	PETER Training School II	LUH	31 Jul 2020		☑	29 mei 2020	Due t... took ...
11	Theoretical basis for statistical risk assessment	LUH	31 Oct 2020		☑	30 okt 2020	This ... (D3)
7	Annual SB meeting II	KU Leuven	31 Mar 2021		☐		

MSCA-ETN PETER NWE 2 — April 12-16, 2021

Personal Career Development Plan PCDP

- All recruited ESRs developed, in dialogue with their supervisors, a Personal Career Development Plan (PCDP).
- 12 signed PDCPs have been uploaded to the EC REA (D5.3 PCDP Progress Report I) on **July 22, 2020**.
- 15 signed updated PCDPs have been uploaded to the EC REA (D5.2 PCDP Report) on **September 30, 2020**.
- **Progress reports of the PCDPs** to Supervisory Board are a 6 monthly recurring Deliverable.
- D5.4 Progress Report II of PCDP to Supervisory Board Meeting: **Delivery Due Date: April 30, 2021.**

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PETER Deliverables and Milestones

39

- ☐ Deviation of the due dates of Deliverables and milestones: detailed information is needed why delayed, specify due dates, clarification why and how. "Deviation Template"
  MITIGATION PLAN >>> ACTION PLAN

- ☐ Formal notifications regarding these changes are necessary through the EC Participant Portal in order to further align with the Description of the Action as stated in the PETER Grant Agreement Annex 1.

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Ethics Deliverable

40

- ☐ EC required us to write a dedicated deliverable on ethical issues and potential dual use for non-civil application of the project and risk-mitigation strategies must be included
- ☐ Deliverable 8.1 written through collaboration between KU Leuven, WIS, Fraunhofer and Univ. of York
- ☐ Ethics Deliverable 8.1 has been submitted on April 1, 2020.
- ☐ **Voluntary ethical self-assessment by every ESR has been asked by March 1, 2021.**
- ☐ Ethical Board:
  - ▪ KU Leuven: Prof. A. Vedder, Dr. T. Claeys
  - ▪ UoY: Dr. M. Nicholson

MSCA-ETN PETER NWE 2   April 12-16, 2021

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Any other business

☐ Comments/remarks???

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Annex 7

PPT Presentation "WP1-4 Parallel Sessions + outcome" April 15, 2021

SCIENTIFIC WORK PACKAGES 1-4
PARALLEL SESSIONS + SUMMARY
APRIL 15, 2021: 11:00 – 12:30 (CEST)

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER Network-Wide Event 2
April 12-16, 2021 – Online Event

1

2   S/T Work Packages Parallel Sessions   (11:00 - 12:00)

2

S/T Work Packages Parallel Sessions

3

- ☐ **PETER Scientific Work Packages 1-4**
  - ☐ Interaction between ESRs, Supervisors and the representatives of the Partner Organisations regarding the specific WP
    - ◾ Current research progress
    - ◾ Tasks within each WP
    - ◾ Scientific deliverables within each WP
    - ◾ Milestones within each WP
    - ◾ Secondment(s) for each ESR
    - ◾ **COVID-19 outbreak and impact for each ESR**
    - ◾ Q&A session to clarify technical aspects and practicalities

3

WP1: Electromagnetic Risk Identification

4

ESRs

- ☐ ESR1: Samikshya Ghosalkar (LUH)
- ☐ ESR2: Arash Nateghi (BDV)
- ☐ ESR3: Lokesh Devaraj (HORIBA MIRA)

(Co-)Supervisors

- ☐ *Heyno Garbe - LUH*
- ☐ Sven Fisahn - BDV
- ☐ Martin Schaarschmidt - BDV
- ☐ Alastair Ruddle - HORIBA-MIRA
- ☐ + Representatives of Partner Organisations

4

WP1: Electromagnetic Risk Identification

Tasks

No.	Title	ESR
T1.1	Statistical Electromagnetic Risk Analysis of Large and Complex Systems, Development of Theoretical Description of Risk Assessment Methodologies	Samikshya Ghosalkar (LUH)
T1.2	Statistical Electromagnetic Risk Analysis of Large and Complex Systems, Experimental Analysis and Model Verification	Arash Nateghi (BDV)
T1.3	Risk-Based Automotive Electromagnetic Engineering Approach aligned with the ISO26262 Functional Safety Approach	Lokesh Devaraj (HORIBA MIRA)

MSCA-ETN PETER NWE 2

April 12-16, 2021

WP1: Electromagnetic Risk Identification

Deliverables

No.	Title	Lead	Type	Diss. Level	Due Date
D1.1	Basis description statistical electromagnetic risk assessment	LUH	Report	public	Oct. 20 (M 19)
D1.2	Unified ISO26262 electromagnetic risk analysis approach for functional safety and cyber-security	HORIBA MIRA	Report	public	Feb. 22 (M 35)
D1.3	Validation report electromagnetic risk assessment methodologies	BDV	Report	public	May 22 (M 38)

MSCA-ETN PETER NWE 2

April 12-16, 2021

WP1: Electromagnetic Risk Identification

Milestones

No.	Title	Lead	Means of verific.	Due Date
MS1.1 (N°11)	Theoretical basis for statistical risk assessment	LUH	Report available	Oct. 20 (M 19)
MS1.2 (N°16)	ISO26262 electromagnetic engineering approach applied to vehicle communications	HORIBA MIRA	Report available	June 21 (M 27)
MS1.3 (N°24)	Statistical risk assessment validated	BDV	Statistical risk assessment successful for smart-grid case	May 22 (M 38)

MS1.2 Cooperation ESR13 (UTwente) and remote secondment at UTwente
MS1.3 together with D1.3

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WP1: Electromagnetic Risk Identification

Actions/Summary + AOB

- Research progress
  - ESR1: Compared various methods, TSECA
    → Master thesis → BN
  - ESR2: Susceptibility wireless communication
    → suspect conductive Com.
    → define smart grid scenario for IEMI
  - ESR3: Completed Surv risk analysis tools for functional safety
    → probalistic graphical methods BN and MRF
    published 4 papers (1 L-EMCPA, 1-Gemcon 1 EMC Europe 2020)
    submitted 2 papers (1 ESREL, 2 EMC Europe 21)
    Application of BN for V2X
- Possible collaboration
  - ESR1: BN → ESR2, implement non-technical parameter ESR15, → ESR3 BN
  - ESR2: define scenarios EMI → ESR1, ESR3 → BN, → smart grid → ESR15 (higher level), ESR2 focus on one substation
  - ESR3: as mentioned before ESR13 V2X and ESR8V2X

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WP1: Electromagnetic Risk Identification

Actions/Summary + AOB

- Secondment(s)
  - ESR1: WIS June 21, FHG August 1oct
    postponed RHM (maybe together with ESR11 in Sept.21)
  - ESR2: FHG August 21 together with ESR1
    postponed BARCO (minimum 1 month); UTwente (1month)
  - ESR3: completed remote secondment at LUH
    Remote Secondment UTwente April to June 2021
    third secondment Valeo France from Feb. to March 22?
- COVID-19 outbreak and impact
  - Delayed, postponed secondment
  - Virtual conference → more conferences to attend
  - Personal contacts → online meeting

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WP2: Electromagnetic Risk Reduction Methodologies

ESRs	**(Co-)Supervisors**
ESR4: Mumpy Das (UTwente)	Robert Vogt-Ardatjew - UTwente
ESR5: Hasan Habib (KU Leuven)	Davy Pissoort - KU Leuven
ESR6: Pejman Memar (KU Leuven)	*Jeroen Boydens - KU Leuven*
	+ Representatives of Partner Organisations

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WP2: Electromagnetic Risk Reduction Methodologies

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Tasks

No.	Title	ESR
T2.1	Risk-Based EMI-Aware Design of Complex Systems	Mumpy Das (UTwente)
T2.2	IEC 61508 Techniques & Measures for EMI Risk Reduction, Hardware-based Techniques & Measures	Hasan Habib (KU Leuven)
T2.3	IEC 61508 Techniques & Measures for EMI Risk Reduction, Software-based Techniques & Measures	Pejman Memar (KU Leuven)

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WP2: Electromagnetic Risk Reduction Methodologies

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Deliverables

No.	Title	Lead	Type	Diss. Level	Due Date
D2.1	Overview of EMI-relevant IEC61508 techniques & measures	KU Leuven	Report	public	Oct. 20 (M 19)
D2.2	EMI Risk Management Plan for two real-life environments	UTwente	Report	public	Oct. 21 (M 31)
D2.3	Experimentally validated EMI-aware IEC61508 techniques and measures	KU Leuven	Report	public	Sep. 22 (M 42)

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WP2: Electromagnetic Risk Reduction Methodologies

Milestones

No.	Title	Lead	Means of verific.	Due Date
MS2.1 (N°17)	EMI Risk Management Plans	UTwente	Plans available for maritime and medical environment	Oct. 21 (M 31)
MS2.2 (N°28)	IEC 61508 techniques & measures validated	KU Leuven	Techniques & measures validated for at least medical environment	Sep. 22 (M 42)

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WP2: Electromagnetic Risk Reduction Methodologies

Actions/Summary + AOB

☐ Deliverables:

- ◘ D2.2 will be feasible, ongoing with MST, Risk Management Plan in normal room and in another room. 10-15p max. Based on offline tests currently. (input from master student Silvo will be used)
- ◘ Beginning of May : 2 months Mumpy on secondment at LR
- ◘ D2.3 experiments needed (Pejman & Hasan)

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WP2: Electromagnetic Risk Reduction Methodologies

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Actions/Summary + AOB

☐ Milestones:

◘ Directly linked to D2.2 and D2.3
Risk management plan: Hospital wants a first screening approach: how to use equipment in a safe way?, what to avoid?

◘ High risk medical devices: perform measurement, with existing infrastructure. (currently migrating to real-life environments)

◘ Risk table with high and low risk, where will the device be used,

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WP2: Electromagnetic Risk Reduction Methodologies

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Actions/Summary + AOB

☐ Secondments:

◘ ESR6 Pejman: Remote secondment at MST, in combination with measurements from Mumpy – ESR4

◘ ESR 5 Hasan: Zhao + Mumpy, doing measurements, currently very difficult to get into the hospital. Alternative: measurements in UTwente. Sep – Oct -?Nov?

◘ Combined secondment: ESR5, ESR6, ESR12

- Secondment at UTwente, with measurements at MST occassionaly

- Align the secondments

- Group 3 EM Environment Characterization: Mumpy, Vasso, Zhao, Hasan and Pejman – Oskari, Nancy, Mohammad (follow-up)

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WP2: Electromagnetic Risk Reduction Methodologies

Actions/Summary + AOB

☐ Currently collaborations are leading to journal publications

☐ It's getting more and more interesting

☐ 15 papers in IEEE-EMC

☐ Close collaboration with other ESRs than those of immediate WP, based on the informal meetings.

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WP3: Evaluation, Validation and Verification Methodologies

ESRs	Supervisors
☐ ESR7: Qazi Mashaal Khan (ESEO)	☐ *Priscila Fernandez-Lopez - Valeo*
☐ ESR8: Oskari Leppäaho (Valeo)	☐ Richard Perdriau - ESEO
☐ ESR9: Arunkumar Hunasanahalli Venkateshaiah (UoY)	☐ Mohammed Ramdani - ESEO
	☐ Mohsen Koohestani - ESEO
	☐ John Dawson - UoY
	☐ Martin Trefzer - UoY
	☐ + Representatives of Partner Organisations

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WP3: Evaluation, Validation and Verification Methodologies

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Tasks

No.	Title	ESR
T3.1	Evaluation of Electromagnetic Hazards due to Environmental Stresses, Obsolescence and/or Ageing, Evaluation at the IC Level	Qazi Mashaal Khan (ESEO)
T3.2	Evaluation of Electromagnetic Hazards due to Environmental Stresses, Obsolescence and/or Ageing, Evaluation at the System Level	Oskari Leppäaho (Valeo)
T3.3	Statistical Verification and Validation of Immunity and Enclosure Shielding Effectiveness – Risk of Susceptibility	Arunkumar Hunasanahalli Venkateshaiah (UoY)

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WP3: Evaluation, Validation and Verification Methodologies

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Deliverables

No.	Title	Lead	Type	Diss. Level	Due Date
D3.1	Integrated Circuit to measure absorbed energy	UoY	Report	public	Mar. 21 (M 24)
D3.2	Description methodology for risk prediction from IC to system level	Valeo	Report	public	Nov. 21 (M 32)
D3.3	Validated statistical methodology to estimate coupling into enclosure or device	UoY	Report	public	May 22 (M 38)
D3.4	Validated IC-EM and IC-IM models including environmental stress and ageing	ESEO	Report	public	June 22 (M 39)

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WP3: Evaluation, Validation and Verification Methodologies

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Milestones

No.	Title	Lead	Means of verific.	Due Date
MS3.1 (N°14)	IC to measure absorbed energy available	UoY	Physical IC available	Mar. 21 (M 24)
MS3.2 (N°18)	Highly Accelerated Lifetime Testing	Valeo	Test report available	Nov. 21 (M 32)
MS3.3 (N°25)	IC-EM and IC-IM models for ageing	ESEO	IC-EM and IC-IM models experimentally validated	June 22 (M 39)

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WP3: Evaluation, Validation and Verification Methodologies

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Actions/Summary + AOB

Research progress and tasks:

- ☐ ESR7: Submitted the layout of PETER_ESEO test chip (mini-ASIC) to XFAB 180 nm 5V SOI CMOS technology. It consists of Ageing structures later to be used for HALT testing.
- ☐ ESR8: Triaxial setup design done. Contact setup design ongoing (late). IC-to-system level started.
- ☐ ESR9: Designed an IC detector as part of Deliverable 3.1. and submitted to fabrication to mini@sic X-FAB, 180nm SOI CMOS Technology

Deliverables:

- ❑ D3.1: Submitted on time
- ❑ D3.2, D3.3 and D3.4: No delays expected for submission

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WP3: Evaluation, Validation and Verification Methodologies

Actions/Summary + AOB

Milestones:

- **MS3.2 (Nov. 2021):** This is related to 2nd secondment which is delayed to 12/2021-01/2022 → Need to report this milestone to 02/2022
- MS3.3 (June 2022): No delay expected for submission

Collaboration:

- ESR7 and ESR9 already collaborated on IC design
- Future within WP3:
  - ESR7 and ESR8 in HALT testing (secondment in KU Leuven)
- Out of WP3:
  - ESR7 and ESR3: joint conference paper for ESREL 2021 (accepted)
  - ESR7, ESR9 and ESR14 will collaborate at Melexis placement - Possibly also should collaborate with IC-EMC software application and TLP measurements
  - ESR7, ESR9 and ESR14 will collaborate at ESEO placement (to be discussed)
  - ESR8, ESR3 and ESR13 will collaborate at Valeo placement (to be discussed)
  - Possible collaboration resulting from the ESR academic groups

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WP3: Evaluation, Validation and Verification Methodologies

Actions/Summary + AOB

Secondment(s):

- ESR7:
  - First secondment (Melexis): physical on June and July 2021 - Delayed from May 2020
  - Second secondment (KU Leuven): physical on November, December 2021 and January 2022 – Delayed from September and October 2021
  - Third secondment (York): in March 2022 is cancelled and allocated time was given to KU Leuven one
- ESR8:
  - First secondment (York): part-time virtual in September to November 2020, then physical from January to March 2021
  - Second secondment (KU Leuven): physical on December 2021 and January 2022 – Delayed from September and October 2021
- ESR9:
  - First secondment (Melexis): physical on June and July 2021 - Delayed from May 2020
  - Second secondment (ESEO): physical on February and March 2022 – Not planned initially and allocated time from Melexis and LUH was given
  - Third secondment (LUH): physical scheduled on April and May 2022 - initially on October and November 2021

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WP3: Evaluation, Validation and Verification Methodologies

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Actions/Summary + AOB

COVID-19 outbreak and impact:

- Common: delay of secondments
- ESR7: No impact on research progress, part-time teleworking at ESEO
- ESR8:
  - Light impact on research progress due to part-time teleworking.
  - Possibility of Virtual lecture for York secondment helped to accelerate the research progress
  - Because of Covid economical aspect, some delays on equipment purchase (not funded by PETER)
- ESR9: No significant impact on research progress despite of full-time teleworking

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WP4: Application Case Studies

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ESRs

- ESR10: Nancy Omollo (RH Marine)
- ESR11: Mohammad Tishehzan (UoY)
- ESR12: Zhao Chen (Barco)
- ESR13: Vasso Gkatsi (UTwente)
- ESR14: Akram Ramezani (Melexis)
- ESR15: Fernando Arduini (Fraunhofer)

Supervisors

- *Frank Leferink - UTwente*
- Ronny Deseine - BARCO
- J-K van der Ven - RH Marine
- Mark Nicholson - UoY
- Hugo Pues - Melexis
- Michael Suhrke - Fraunhofer
- Thorsten Pusch - Fraunhofer
- + Representatives of Partner Organisations
- + Tim Claeys - KU Leuven

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WP4: Application Case Studies

Tasks

No.	Title	ESR
T3.1	From Rule-Based Standards to Risk-Based, Cost-Effective, Up-to-Date, Maritime EMC Standards	Nancy Omollo (RH Marine)
T3.2	Modelling and Reasoning about EMI Interactions in Autonomous and Complex Vessels	Mohammad Tishehzan (UoY)
T3.3	EMI-Resilient Medical Display Systems for Surgical-, Diagnostic Imaging- and Modality Applications	Zhao Chen (BARCO)
T3.4	EMI Risk assessment applied to the next generation vehicular communication devices	Vasso Gkatsi (UTwente)
T3.5	Risk-Based EMI-Aware Design of an Automotive Integrated Circuit	Akram Ramezani (Melexis)
T3.6	EMI Risk Management on the scale of the Smart Grid as a network of systems	Fernando Arduini (Fraunhofer)

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WP4: Application Case Studies

Deliverables

No.	Title	Lead	Type	Diss. Level	Due Date
D4.1	EMI-aware risk identification and assessment of vehicular communication systems	UTwente	Report	public	*May 21 (M 26)* ~~Nov. 20 (M 20)~~
D4.2	Flow-diagram for an EMI-aware safety case	UoY	Report	public	May 21 (M 26)
D4.3	Guidelines for electromagnetic protection of critical infrastructures	Fraunhofer	Report	public	Jan. 22 (M 34)
D4.4	Risk-based EMI certification report of real-life maritime application	RH Marine	Report	public	May 22 (M 38)
D4.5	Dedicated EMI Risk Management and Design Plan for display systems in medical environment	Barco	Report	public	May 22 (M 38)
D4.6	EMI fault-tolerant automotive IC	Melexis	Report	Public	July 22 (M 40)

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WP4: Application Case Studies

Milestones

No.	Title	Lead	Means of verific.	Due Date
MS4.1 (N°19)	Safety-case methodology for vehicular communication	UTwente	Safety case description available	Nov. 21 (M 32)
MS4.2 (N°20)	Safety-case methodology for autonomous and complex vessels	UoY	Safety case description available	Nov. 21 (M 32)
MS4.3 (N°22)	Guidelines for electromagnetic protection of critical infrastructures	Fraunhofer	Guideline document available	Jan. 22 (M 34)
MS4.4 (N°23)	Electromagnetic characterization of medical environment	Barco	Measurement report available	Apr. 22 (M 37)
MS4.5 (N°26)	EMI fault-tolerant IC	Melexis	Physical IC available	July 22 (M 40)

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WP4: Application Case Studies

Actions/Summary + AOB

- Nearly all ESRs facing delays due to late start, or lack of secondments.
- But WP4 agreed that we can and will deliver the deliverables as mentioned in the Grant Agreement
- For D4.2, 4.3, 4.6 : "draft" deliverable, which will be updated later. For D4.3 one can build upon previous work from HiPow and STRUCTURES. Also Prof. Dave Thomas as Chair of an EMC working group WG C4.31 within CIGRE could be contacted (there are more working groups, also CIGRE C4.24/CIRED)
- Collaboration with other groups within PETER works well and most ESRs expect to have joint papers.
- Key issue remains: secondments.

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31 WP Overview Parallel Sessions: Summary
(12:00 - 12:30)

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Annex 8

PPT Presentation "Conclusions of the NWE II + next steps" April 15, 2021

1
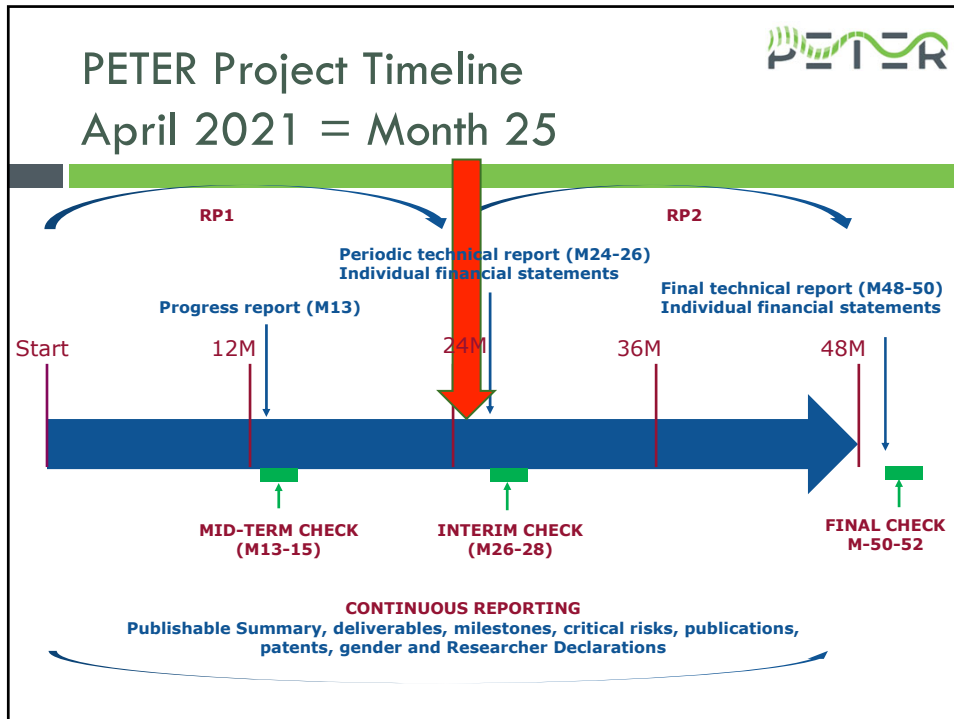
2

| 3 | Conclusions of the meeting + project next steps |

17:15-17:45 (CEST)

3

Online Network-Wide Event 2: April 12-16, 2021 – Day 4

| 4 |

THURSDAY 15.04.2021 – Day 4
ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team

Time (CEST)	Agenda Item	Participants
9:00 - 10:00	ESR9-12 presentations (15 min. each)	All
10:00 - 10:45	Q&A Session ESR9-12 presentations	All
10:45 - 11:00	Break	All
11:00 - 12:00	WP Parallel Sessions: 4 S/T Work Packages (one meeting/WP)	All
12:00 - 12:30	WP Overview Parallel Sessions: Summary	All
12:30 - 14:00	Lunch break	
14:00 - 14:45	ESR13-15 presentations (15 min. each)	All
14:45 - 15:30	Q&A Session ESR13-15 presentations	All
15:30 - 16:00	Break	
16:00 - 17:00	**"EMC in hospitals"**: joint talk given by Robert Vogt (UTwente) and Bärbel van den Berg (Medisch Spectrum Twente)	All
17:15 - 17:45	Conclusions of the meeting + project next steps	All

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Online Network-Wide Event 2: April 12-16, 2021 – Day 5

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	FRIDAY 16.04.2021 – Day 5	
	ESRs + those interested	
Time (CEST)	**Agenda Item**	**Participants**
9:00 - 10:30	S/T Training: *"Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond"* (Liesbet Van der Perre, KU Leuven)	ESRs and those interested
11:00 - 12:30	PETER Problem Solving Session	ESRs and those interested
12:30 - 14:00	Lunch break	
14:00 - 15:00	Closing session with ESRs: communication strategy, PODIO and Network-Wide Event evaluation	ESRs, CM and PM
19:00 – 21:30	**ESRs Social activity 3**	ESRs

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PETER NWE 2 – Problem Solving Session

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- **Friday, April 16, 11:00-12:30 (CEST)**
- 3 topics – 3 groups:
  - **Group 1: "EMC Standards"**
    - **Oskari, Mohammad, Vasso, Zhao, Akram**
  - **Group 2: "EMC Risk Assessment Impossible"**
    - **Samikshya, Hasan, Arunkumar, Fernando**
  - **Group 3: "Forget Rule-based Approach"**
    - **Pejman, Lokesh, Qazi, Arash, Mumpy**

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PETER NWE 2 – Problem Solving Session

- Each group has discussed the selected topic.
- Each group has prepared a presentation of maximum **10min** about their topic and the groups opinion/stance towards this topic.
- At the Problem Solving Session, each group will present the topic using the presentation.
- Once presented, the other ESRs and attending industry will discuss the topic with you.
- **You are all kindly invited to join this Problem Solving Session!!!**

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WP1-4 Parallel Sessions

- **Actions + outcome of the sessions**: send to the PM
- S/T Coordinator Tim Claeys will follow up
  - Through short Microsoft Teams meetings:
    - Progress in research
    - Deliverables and milestones
    - Possible collaboration,
  - Dates will be set by a doodle to the ESRs
  - (Co-)Supervisor will be kindly invited
- **Meetings through Microsoft Teams will be continued from September 2021: all ESRs within each WP + the WP leader**

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Secondments 2020-2021

- □ **Update SECONDMENTS OVERVIEW and MITIGATION PLAN 2020-2021:**
  - ◘ Updated secondments plan
  - ◘ Modified secondment timings with reasoning + mitigation
  - ◘ Alignment with (co-)supervisors + respective secondment host supervisor(s).
- □ **Version 1** has been submitted to the EC REA in **October 2020.**
- □ **Version 2** has been submitted to the EC REA on **April 8, 2021.**

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Secondments Plan - Summary

- □ **Impact of COVID-19 crisis on scheduled secondments:** still a lot of uncertainties regarding travel restrictions, limited access to universities/companies/research labs/… for the next coming months…
- □ **By consequence:** at this moment often little visibility on when and how secondments for some ESRs will take place in the next coming year.
- □ **Therefore: keep PETER Management Team informed/updated regarding any issues/difficulties that might occur so we can take contingency measures and align everything with the EC REA.**

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Some important homework…
PETER Technical Report 1

- ☐ Beneficiaries/supervisors:
  - ◼ Please follow up regarding the requirements for the **Financial Statements. (Email sent by Michael Van Winkel)**
  - ◼ Please follow up regarding the **specific tabs in the EC Portal. Email for this will be sent out the coming weeks.**
  - ◼ Requested input from you will be further aligned with the Management Team (Impact, Exploitation,…)

MSCA-ETN PETER NWE 2   April 12-16, 2021

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Personal Career Development Plan:
PCDP

- ☐ All recruited ESRs developed, in dialogue with their supervisors, a Personal Career Development Plan (PCDP).
- ☐ **Progress reports of the PCDPs** to Supervisory Board are a 6 monthly recurring Deliverable.
- ☐ **D5.4 Progress Report II** of PCDP to Supervisory Board Meeting: Delivery Due Date: April 30, 2021.
- ☐ **Deadline for sending signed version updated PCDP to Stephane: April 28, 2021.**

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Impact of COVID-19 crisis

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□ Please keep the PETER Management Team informed regarding any issues/difficulties that might occur so we can take contingency measures and align everything with the Project Officer.

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PETER Project Visual Identity (1/3)

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To achieve the best dissemination and communication results, the following visual identifications and tools need to be used:

PETER Project Logo

Pan-European Training, Research & Education Network on Electromagnetic Risk Management

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PETER Project Visual Identity (2/3)

PETER Project Templates (for PPT, scientific conference presentations, newsletters, project reporting and deliverables)

Pan-European Training, research and education network on ElectroMagnetic Risk management.

EU H2020 MSCA-ETN PETER KICK-OFF MEETING – PART 1

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER Kick-Off Meeting
February 4-5 2020, BARCO KORTRIJK - BELGIUM

MSCA-ETN PETER NWE 2

April 12-16, 2021

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PETER Project Visual Identity (3/3)

EU funding acknowledgement

This project has received funding from the European Union's
EU Framework Programme for Research and Innovation
Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER NWE 2

April 12-16, 2021

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Post

Scientific dissemination (peer-review publications) – Specific paragraph to be added in acknowledgement section – Publication procedure to be followed

"*The research leading to these results has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 812.790 (MSCA-ETN PETER). This publication reflects only the authors' view, exempting the European Union from any liability. Project website: http://etn-peter.eu/.*"
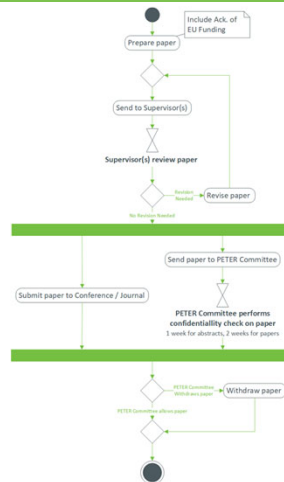
17

Paper Presubmission Procedure

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Promo Video

- Example SAS project:
  https://www.youtube.com/watch?v=L1jEceW29NQ
- A PETER Promo Video will be developed and published during the **third** year of the PETER Project.
- This Video will explain the project goals, and present the team and the collaborating partners,
- This video will be made in collaboration with Storyrunner.
- **Unfortunately** and due to COVID-19, we had to postpone the filming.
- **New date for filming the PETER Video: May 11 in Bruges.**

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ESR Video presentations NWE2...

- Will be available through OneDrive

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Upcoming PETER Special Sessions

- ☐ IEEE EMC / EMC Europe 2021: Special Session
  - ☐ Vasso and Fernando are taking the lead in this
- ☐ ESREL 2021: Special Session on EM Risk Management.
  - ☐ Oskari and Lokesh are taking the lead in this
- ☐ APEMC2021: Special Session?

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Conference Calls –
Next Network-Wide Event

- ☐ Conference Calls with PETER consortium:
  - ☐ **July 2021**
  - ☐ **November 2021**
  - ☐ Doodles will be sent out to set the correct dates.

- ☐ PETER Network-Wide Event 3 in Nuneaton (UK) @ HORIBA MIRA: 5 days
  - ☐ **January 2022**
  - ☐ Exact dates will be aligned with the NWE host and a Doodle for the plenary meetings will be sent out.

MSCA-ETN PETER NWE 2   April 12-16, 2021

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Report NWE 2 + Action items

- ☐ Network-Wide Event 2 Report + Action items will be sent out to all PETER consortium members (**PETER Deliverable 5.8**)
- ☐ Please follow up the action items

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Special thanks to the ESRs for their Video Presentations

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PETER

Also special thanks to Frank Leferink from Thales and UTwente for helping to organize this Network-Wide Event, and for taking care of the Mystery Box from UTwente.

MSCA-ETN PETER NWE 2   April 12-16, 2021

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PETER

Thank you all for attending this second Network-Wide Event and looking forward to seeing you all at Nuneaton at our next Network-Wide Event in January 2022.

Stay safe!!!

MSCA-ETN PETER NWE 2   April 12-16, 2021

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Annex 9

Attendance list "PETER Problem Solving Session" April 16, 2021

[MSCA ETN PETER] NWE 2: April 12-16, 2021

Attendance list April 16, 2021 - Online Problem Solving Session through Microsoft Teams

First Name	Last Name	Affiliation	Attended
Sietse	Anema	Agentschap Telecom	x
Fernando	Arduini	Fraunhofer INT - ESR15	x
Keith	Armstrong	Cherry Clough Consultants Ltd	x
Zhao	Chen	Barco - ESR12	x
Tim	Claeys	KU Leuven	x
Mumpy	Das	UTwente - ESR4	x
John	Dawson	University of York	x
Rowan	de Vries		x
Ronny	Deseine	Barco	x
Lokesh	Devaraj	Horiba-Mira - ESR3	x
Zhao	Dongsheng	RHEA System	x
Priscila	Fernandez-Lopez	Valeo	x
Heyno	Garbe	LUH	x
Vikas	Ghatge	Schneider Electric	x
Samikshya	Ghosalkar	LUH - ESR1	x
Vasso	Gkatsi	UTwente - ESR12	x
Hasan	Habib	KU Leuven - ESR5	x
Tom	Hartman	University of Twente	x
Eddie	Hut	Agentschap Telecom	x
Mathias	Inghelbrecht	ASML	x
LJ.M	Janssen	BJ-Consultancy	x
Rob	Kersten	MIW Consultants	x
Qazi Mashaal	Khan	ESEO - ESR7	x
Frank	Leferink	UTwente	x
Oskari	Leppäaho	Valeo - ESR8	x
Kiyot	Mathushima	Hitachi Ltd.	x
Pejman	Memar	KU Leuven - ESR6	x
Arash	Nateghi	BDV - ESR2	x
Rudy	Nieuwenhuijs	Agentschap Telecom	x
Aya	Ohmae	Hitachi Ltd.	x
Aleksandr	Ovechkin	KU Leuven	x
Richard	Perdriau	ESEO	x
Davy	Pissoort	KU Leuven	x
Thorsten	Pusch	Fraunhofer INT	x
Pavithrakrishnan	Radhakrishnan	KU Leuven	x
Akram	Ramezani	Melexis - ESR14	x
Peter	Rampen	Damen Shipyards Gorinchem	x
Koen	Roes	Agentschap Telecom	x
Alastair	Ruddle	Horiba-Mira	x
Martin	Schaarschmidt	BDV	x
Stephane	Stroobant	KU Leuven	x
Michael	Suhrke	Fraunhofer INT	x
Mohammad	Tishehzan	University of York - ESR11	x
Jomima	Tuhehay	Agentschap Telecom	x
Bärbel	van den Berg	Medisch Spectrum Twente	x
Jan-Kees	van der Ven	RH Marine	x
Alexander	van Deurzen	TU Eindhoven	x
Wijnand	van Gils	TE Connectivity	x
Jens	Vankeirsbilck	KU Leuven	x
Dries	Vanoost	KU Leuven	x
Arunkumar	Venkateshaiah	University of York - ESR9	x
Robert	Vogt-Ardatjew	UTwente	x
Wei	Wang	Agentschap Telecom	x
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Annex 10

PPT Presentation "Communication strategy and Intranet PODIO evaluation"
April 16, 2021

Pan-European Training, research and education network on ElectroMagnetic Risk management.

EU H2020 MSCA-ETN PETER
ONLINE NETWORK-WIDE EVENT 2
APRIL 12-16, 2021

Friday, April 16, 2021: Day 5

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Online Network-Wide Event 2: April 12-16, 2021 – Day 5

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FRIDAY 16.04.2021 – Day 5
ESRs + those interested

Time (CEST)	Agenda Item	Participants
9:00 - 10:30	S/T Training: *"Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond"* (Liesbet Van der Perre, KU Leuven)	ESRs and those interested
11:00 - 12:30	PETER Problem Solving Session	ESRs and those interested
12:30 - 14:00	Lunch break	
14:00 - 15:00	Closing session with ESRs: communication strategy, PODIO and Network-Wide Event evaluation	ESRs, CM and PM
19:00 – 21:30	ESRs Social activity 3	ESRs

MSCA-ETN PETER NWE 2

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2

1

| 3 | **Closing session with ESRs, S/T coordinator, CM, and PM** |

14:00-15:00 (CEST)

3

Agenda

□ ESR Council NWE 2: output/report *15'*

□ Secondments *10'*

□ Papers *10'*

□ WP Intermediate Discussions *5'*

□ Network-Wide Event 2 *15'*

□ Administrative items + Project Visual Identity *5'*

□ AOB

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ESR Council Online NWE 2

□ Let's have a look at the report + improvements for future ESR Councils (Qazi/Hasan)

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Secondments

□ Questions/comments/remarks regarding the secondments?

□ MSCA ETN PETER - Virtual Secondments sheet

□ Podio - secondments

□ Some homework for:

Lokesh	Hasan
Mumpy	Oskari

◘ How much time did you spend (approximately) on your secondment(s) until March 31, 2021?

◘ Please update your Podio – secondment section!

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Papers:
Open Access obligation - IEEE policy

- ☐ This information is compiled from IEEE itself:
  - ◻ https://www.ieee.org/content/dam/ieee-org/ieee/web/org/pubs/author_version_faq.pdf
  - ◻ https://www.ieee.org/publications/rights/rights-policies.html

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OA obligation - IEEE policy

- ☐ 8.1.9.A.4 reads: IEEE allows its authors to follow mandates of agencies that fund the author's research by posting **accepted versions** of their articles in the agencies' **publicly accessible repositories.**
- ☐ 8.1.9.C reads: Authors and/or their employers shall have the right to post the **accepted version** of IEEE-copyrighted articles on their own personal servers or the **servers of their institutions** or employers without permission from IEEE, provided that the posted version includes a <u>prominently displayed IEEE copyright notice</u> (as shown in 8.1.9.B, above) and, when published, a full citation to the original IEEE publication, including a <u>Digital Object Identifier</u> (DOI). Authors shall not post the final, published versions of their articles.

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OA obligation - IEEE policy

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  "© © 20xx IEEE. Personal use of this material is permitted. Permission from IEEE must be obtained for all other uses, in any current or future media, including reprinting/republishing this material for advertising or promotional purposes, creating new collective works, for resale or redistribution to servers or lists, or reuse of any copyrighted component of this work in other works."

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OA obligation - IEEE policy

- Caveat: the previous slides are a general IEEE policy
  → always check the conference / journal copyright form to see if an embargo period applies on the Accepted Version
- From experience: most other publishers (ACM, Springer, Elsevier, etc.) have similar policies:
  - Never deposit, make available, the published version
  - Accepted version can be made available, with clear reference to DOI and/or publication link
    - Always check for an embargo period!

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OA obligation - IEEE policy
For PETER this means…

1. Identify the Accepted Version of your paper
2. Add the CopyRight Notice on the front page of the Accepted Version
3. Once the paper is published:
   1. Deposit the Accepted Version in an OpenAire compliant repository (KU Leuven Lirias, HAL, Zenedo,…) with clear DOI reference.
   2. Add the paper in the PETER paper archiving system, again including the DOI reference

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PETER Midterm report

☐ With this in mind, please double check this for your currently published papers (**before March 31, 2021**).
   ◻ Very important for the midterm report!
   ◻ But none in the paper archiving system for the moment ☹☹☹

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Research Gate

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- □ Bit tricky...
  - ▪ Typically not seen as a personal, institutional or funder repository. So, typically not allowed to make any version of the paper publicly available there.
- □ What can be done:
  - ▪ Add the Accepted Version with the copy-right notice (or a notice "this is for personal use only. When citing use information from DOI <DOI>") as *private text*.
  - ▪ Share this *private text* when people request the paper.

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Research Gate

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- □ Tip from consortium members:
  - ▪ In the ***Abstract box***, add the link to the deposited Accepted Version.
  - ▪ (so add the link to the Lirias/HAL/Zenodo... version in the abstract box)

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Post

Scientific dissemination (peer-review publications) – Specific paragraph to be added in acknowledgement section – Publication procedure to be followed

"The research leading to these results has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 812.790 (MSCA-ETN PETER). This publication reflects only the authors' view, exempting the European Union from any liability. Project website: http://etn-peter.eu/."
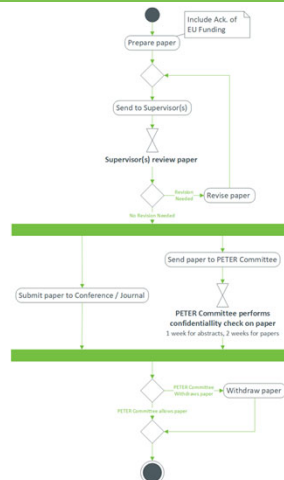
15

Paper Presubmission Procedure

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Paper Presubmission Procedure: Open Access

For more specific information:

presentation from Hannelore Vanhaverbeke

(KU Leuven) on PODIO

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WP1-4 Intermediate Discussions

- ☐ S/T Coordinator Tim Claeys will follow up
  - ◻ Through short Microsoft Teams meetings:
    - ▪ Progress in research;
    - ▪ Deliverables and milestones;
    - ▪ Possible collaboration;
  - ◻ Dates will be set by a doodle to the ESRs
  - ◻ (Co-)Supervisor will be kindly invited
- ☐ Meetings through Microsoft Teams will be continued from **September/October 2021**: all ESRs within each WP + the WP leader

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Upcoming PETER Special Sessions

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- ☐ IEEE EMC / EMC Europe 2021: Special Session
  - ☐ Vasso and Fernando are taking the lead in this
- ☐ ESREL 2021: Special Session on EM Risk Management.
  - ☐ Oskari and Richard are taking the lead in this
- ☐ APEMC2021: Special Session?

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Network-Wide Event 2

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- ☐ Let's evaluate this Online Network-Wide Event:
  - **Breakout room/5 ESRs for 12'**
    - What did you **really** think of this Online NWE?
    - What did you think about the specific Online Training Sessions?
    - Suggestions for future (online) NWE trainings?
    - How were the Social Activities?
    - **ESR Video presentations >> possible outreach and further dissemination?**
- ☐ **See/hear you all back within 12'**

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Administrative items

- ☐ ESR presentations Online NWE 2: PPT and video presentations > final version…
- ☐ NWE 2: Training Sessions Presentations will be available through PODIO.
- ☐ **Progress reports of the PCDPs** to Supervisory Board are a 6 monthly recurring Deliverable.
- ☐ D5.4 Progress Report II of PCDP to Supervisory Board Meeting: **Delivery Due Date: April 30, 2021.**

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PETER Project Visual Identity (1/3)

To achieve the best dissemination and communication results, the following visual identifications and tools need to be used:

PETER Project Logo

Pan-**E**uropean **T**raining, Research & Education Network on **E**lectromagnetic **R**isk Management

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New PETER PPT Template

☐ Thanks to Pejman

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AoB

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Thank you all for attending this second Network-Wide Event and looking forward to seeing you all at HORIBA MIRA in Nuneaton (UK) at our next Network-Wide Event in January 2022.

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Annex 11

PETER NWE II Survey Form

MSCA ETN PETER NWE 2 – Survey Form – ESRs

Please fill in the Survey Form to provide us feedback on the MSCA ETN PETER NWE II, which took place online through Teams on April 12 – 16, 2021.

Regarding the scores: 1 = Poor, 5 = Excellent, N.A. = Not Applicable.

Project Meetings

How satisfied were you with the provided progress report? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with the Parallel Work Package sessions? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with the closing session (Fri. April 16) ? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

General comments or Notes regarding the project meetings?

ESR Presentations

How satisfied were you with the individual ESR presentation? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with the Q&A sessions after the presentations? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with the format (Videos + Q&A sessions) of the ESR presentations? *

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No 812790

RECENT POSTS

PETER Network-Wide Event 2
🕐 3 days ago

PETER NWE II 12/04 – 16/04 @ Teams by Thales, UTwente and KU Leuven
🕐 16 days ago

My Virtual Secondment's Experience
🕐 16 days ago

Basics of any Critical Infrastructure
🕐 23 days ago

First Problem Solving Session – April 16 2021
🕐 28 days ago

ETN-PETER Newsletter

First Name

Please enter your first name.

Last Name

Please enter your last name.

Email *

Please enter your email.

Technical Events

How satisfied were you with the invited talk by Robert Vogt and Bärbel van den Berg "EMC in hospitals" ? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with the Problem Solving Session? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

General comments or Notes regarding these events

[   ]

Training Sessions

How satisfied were you with the S/T training "Risk-based EMC vs. EM Resilience" ? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with the soft-skill training "Win-winnovation: the smart cooperation skill set for better results" ? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with the soft-skill training "How to get your paper published" ? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with the soft-skill training "Time management" ? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with the S/T training "Technologies exploiting new spatial and spectral dimensions for new applications in 5G networks, and beyond" ? *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

Social Events

How satisfied were you with Social Activity 1 (Mo. April 12) *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with Social Activity 2 (Wed. April 14) *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

How satisfied were you with Social Activity 3 (Fri. April 16) *

○ 1   ○ 2   ○ 3   ○ 4   ○ 5

Online Meetings