

## Meeting of 25<sup>th</sup> May 2020

Board Meeting of 25<sup>th</sup> May 2020

Time: 5pm CET

Link: <https://meet.google.com/pch-pjkk-hgi>

### Agenda

1. Discussion of the minutes regarding the 27<sup>th</sup> April Board Meeting.
2. Update about Horizon Europe WP 2021-2023. (ZH)
3. Introduction to ROMSOC. (PM)
4. Update about SRA. (WS)
5. Quick update on the EU-MATHS-IN proposed activities and action points (check table below).

#### Action Points

Number	Action	Responsible	Deadline	Status	Link to the deliverable
2020.01.04	Vice-presidency tasks overview	ZH	BM05	postponed for BM 05	
2020.01.05	EU-MATHS-IN point of contact with NN tasks overview	WS	BM05	postponed for BM 05	
2020.02.01	Discussion about the proper platform to storage the board documentation and related information	MC and CP		Started. EU-MATHS-IN has bought some add-ons that will make the website adaptable to this.	
2020.02.03	Talk with PL-MATHS-IN in order to prepare the EU-MATHS-IN 2020 Council Meeting	MC	May 2020	Initial draft released	
2020.02.04	Gather all previous board meeting docs and store them in proper place.	MC and WS		Minutes from AS received. Linked to 2020.02.01	

2020.02.05	Send an email regarding the communication between NN and EU-MATHS-IN	WS and MC		Form sent to each NN. Answers deadline: 30May	<a href="https://forms.gle/2YeQNTez7BgrUS247">https://forms.gle/2YeQNTez7BgrUS247</a>
2020.02.06	Forward addresses w.r.t. council@eu-maths-in.eu	WS		postponed	
2020.02.07	New NN's: approval and signing of MoU; situation of UK network	WS		Email with required docs sent to CR, CY, GR, SL	
2020.03.02	Small briefing about the ROMSOC initiative.	PM	BM05		

6. [Schedule the next board meeting](#) (MC)
7. Other subjects.

## ===== Minutes =====

### Participants

Wil Schilders (WS), Manuel Cruz (MC), Peregrina Quintela (PQ), Peter Maass (PM) and Stephen O'Brien (SO).

Absent: Christophe Prud'homme (CP), Nicola Fusco (NF) and Zoltán Horváth (ZH)

### Minutes (Starting time: 17.00 | Closing time: 18.00)

1. *Welcome (WS).*
2. Discussion of the minutes regarding the 27<sup>th</sup> April Board Meeting.  
**No comments or changes suggested, minutes unanimously accepted with thanks for the secretary.**
3. Update about Horizon Europe WP 2021-2023.
  - **WS made an update based on the last talks/emails changed with ZH: ZH had lots of work with the transcontinuum meeting and with ETP4HPC as well as BDVA.**
  - According to the document ZH sent by email, there was a change in the ETP4HPC report as plans for the calls in this Working Programme, but they**

decided to delete all use cases from the plan. If the last document sent by Zoltan is analysed, about 3/4 of document has been deleted. However, EU-MATHS-IN is still mentioned, the use cases may be in an Appendix, this will be discussed by ZH and the Research and Innovation Advisory Group in the next few days. This is another indication that we must work on our SRA. WS did not see any later versions of this, but he will ask ZH about this subject.

#### 4. Introduction to ROMSOC. (PM)

- PM made an overview about the last PI meeting from ROMSOC, which is a truly European Project, as the candidates must come from one country, do their research in a company in another country and to get a degree in a university in a 3rd country. It's unique, as it has strong collaboration across borders between industry and academia. Its implementation had some drawbacks, there have been some problems concerning the IP rights and confidentiality between companies and the European funding rules. Volker Mehrmann proposed to think about a successor to this project, and that decision should be made at latest in the next August. The idea is to have something that starts when ROMSOC ends in August 2021.
- WS stated that he has a lot of experience with EID projects, and submits proposals every year. Recently he submitted TWINS, about digital twins, submitted in January and hopefully that will have a decision by the next weeks. As so, if one wants to submit a proposal, it should be started at the latest in August. But in order to define the subject, consortium, who will work with each industry, maybe it was better to start now.
- PM said that Volker asked if EU-MATHS-IN would like to take the leading role in this. As so we should make a decision if we want to take it as EU-MATHS-IN initiative and if we want to write a successful proposal.
- WS asked if there is predefined any specific topic area, but PM said it is open to any topic, regarding that should be a European Doctoral Program in Industrial Mathematics, and whatever fits in this is ok. PM said maybe machine learning should have an important role and WS agreed, stating that he was interested on this.
- PQ said that the mat-in experience was different from the one PM described on the beginning, as the companies were collaborating in a very good way with them. Concerning the next topic, maybe a hot topic like ML or AI but we shall take some care about the topic, as it may be very interesting in the proposal and have a good evaluation but afterwards may not be a good adherence from the research groups to those topics. We should have a solid proposal with people really focussed on those subjects. In ML there are not much mathematicians working on that, especially with the Industry.
- WS says that there are more and more mathematicians working on ML and Neural Networks, far away from statistics devoted to Scientific Computing.

- PM said that, in his opinion, the way is a combination of Mathematical models and the data driven approach.
- SO said that in Ireland the main performers for this are the computer scientists. They have a new PhD programme in data science.
- MC stated that in Portugal that are some groups working in datascience, ML, but the main point it is that the "pure datadriven" approach in industry is forgetting some of the modelling and prior acquainted experience. In some way maybe, we should promote an "Industry 4.5" that encompasses the AI approach and the mathematical models already developed.
- WS proposed to discuss with PM and after putting this on paper discuss it with the other board members.

5. Update about SRA. (WS)

- Regarding the SRA, WS stated that it is very important to discuss (hopefully in the Sochi workshop, or in another way if needed) and have a very nice document presenting our vision for the next 5 years. We can go on-board of HPC and Big Data, but there also many other points. It is also a point to be discussed with ZH.

6. Quick update on the EU-MATHS-IN proposed activities and action points:

**Action Points**

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2020.02.07	New NN's: approval and signing of MoU; situation of UK network	WS		Email with required docs sent to CR, CY, GR, SL	
2020.03.02	Small briefing about the ROMSOC initiative.	PM	BM05	Done	
2020.05.01	Email the Bulgarian colleagues w.r.t. their network membership	WS	BM06		
2020.05.02	Present a draft for a Machine Learning initiative mainly connected with mathematics related with the ROMSOC initiative.	WS and PM	BM07		

#### 7. Schedule the next board meeting (MC)

Taking into account the Doodle results, the next session will be held at 25 June 2020 by 5pm (CET).

	jun 22 SEG 16:00 17:00	jun 23 TER 16:00 17:00	jun 24 QUA 16:00 17:00	jun 25 QUI 16:00 17:00	jun 26 SEX 16:00 17:00
3 participants	✓3	✓1	✓3	✓3	✓3
<input type="text" value="Enter your name"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Peregrina Quintela	✓		✓	✓	✓
Wil Schilders	✓	✓	✓	✓	✓
EU-MATHS-IN Secre...	✓		✓	✓	✓

## 8. Other subjects:

### a. PQ made a report on the Success Stories current state:

- The first step of the second call for Success Stories is concluded.
- 7 submissions received: 6 from Spain and 1 from France.
- WS stated that the NL promised that they will present some SS soon.
- PQ and PM already had a quick chat, and Germany will submit one based on KOMSO SS recent publication, in order to test the template. Afterwards, more SS will be added.
- According to PQ, ZH also stated that some SS will be submitted from Hungary.
- From Portugal, the call was disseminated but the obligation for the model to be implemented and used by Industry is placing some difficulties. But Paula Amaral (the PT-MATHS-IN representative in the council) is still working on it.
- In Ireland, Sinead is unreachable by being on maternity leave, and so the person who is replacing her, cannot have access to this folder.
- PQ: How to proceed to approve them as part of the EU-MATHS-IN database? All the template format is already reviewed, but maybe a scientific revision should be made.



- WS agreed, and as so, PQ will share it with the board for a limited period of time, so all the members can put any questions or make some remarks during that period.