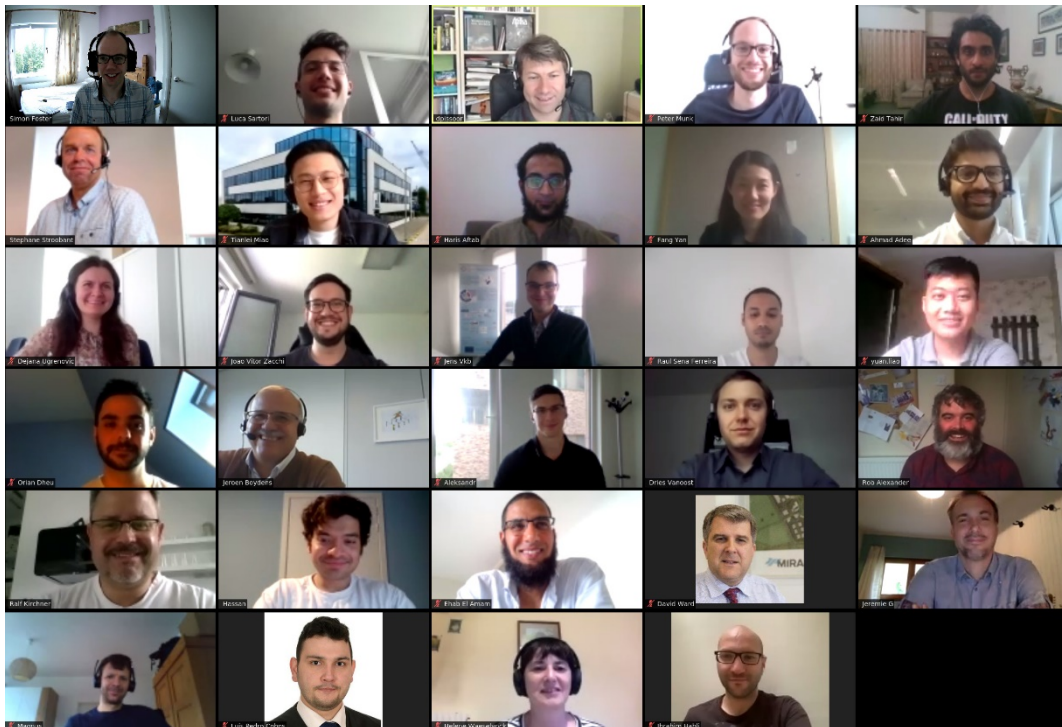# Safer
# Autonomous
# Systems

European Training Network on

Safer Autonomous Systems (SAS)

**Deliverable 4.3 (D25) – SAS Network-Wide Event II**

**June 30 – July 3, 2020**

**Online Network-Wide Event through ZOOM Meetings**

| | |
|---|---|
| **Deliverable Number** | **D4.3 (D25)** |
| **Deliverable Name** | **SAS Network-Wide Event II** |
| **Deliverable Duration** | November 1, 2018 to July 3, 2020 |
| **Due Date of Deliverable** | November 30, 2019 |
| **Revised Due Date Deliverable** | August 31, 2020 |
| **Actual Submission Date** | September 2, 2020 |
| **Updated Submitted Deliverable** | --- |
| **Deliverable Lead Partner** | University of York & KU Leuven |
| **Dissemination Level** | Public |
| **Work Package** | WP5 Training |
| **No of Pages (Annexes not included)** | 16 |
| **Keywords** | Network-Wide Event |

# Table of content

# Prolegomena

The SAS Network-Wide Event I and Mid-Term Review Meeting was held on December 2-5 2019 at LAAS-CNRS in Toulouse, France. With respect to the location: the envisioned location for this NWE I was originally the University York, as mentioned in Annex I of the SAS Grant Agreement Part B. However, taking into account the Brexit, the uncertainty regarding traveling to the UK, and based on the suggestion of the REA Project Officer Nina Poumpalova (Feb 5, 2019), it was decided within the SAS Consortium to hold the SAS NWE I at LAAS-CNRS in Toulouse and to have the SAS NWE II in York. **This Deliverable 4.3 (D25) is the report of the SAS Network-Wide Event II that took place from June 30 till July 3, 2020.**

Furthermore, and due to the actual COVID-19 crisis, it was impossible to have a Face2Face Network-Wide Event II in York as originally foreseen. This restriction has been overcome by shifting to online meetings through ZOOM for the full Network-Wide Event.

# 1. Agenda

The SAS Network-Wide Event II took place from June 30 till July 3, 2020 through ZOOM Online Meetings due to the ongoing COVID-19 crisis.

On Tuesday, June 30 (Day 1), the Project Manager welcomed briefly the ESRs after which a soft-skill training *Tutorial on Project Management* was given by D. Butler from RETT. This training was followed by the ESR Council. In the afternoon, two soft-skill trainings and one scientific/technical training were scheduled: *Developing your goals and taking action every day which cover setting goals and managing tasks*, given by key-note speaker C. Pullein, *Unconscious Bias* given by L. Jones from RETT, and a scientific/technical training on *Safety cases for Autonomous Systems Part 1* given by I. Habli (Univ. of York).

Day 2 of this online NWE, Wednesday, July 1, started with two scientific/technical trainings: *Safety cases for Autonomous Systems Part 2* given by I. Habli (Univ. of York), and *Safety of Machine Learning in Autonomous Systems*, given by R. Hawkins (Univ. of York). In the afternoon, the SAS Project Coordinator welcomed all the ESRs, the supervisors and their colleagues, the representatives of the partner organizations, and the management support team who attended this online NWE (list of the participants can be found below). The Project Coordinator gave an overall view and state of play of the SAS project, which was followed by the ESRs 1-7 presentations regarding each ESR's research progress.

At the beginning of Day 3, July 2, the ESRs 9-15 presented their research progress to everyone. This presentation session was followed by the Supervisory Board meeting between consortium members and the ESR representative Luca Vittorio Sartori. Afterwards, three work-package parallel sessions took place where technical aspects and practicalities were discussed and further fine-tuned regarding the three SAS Scientific Work Packages. Day 3 of this online Network-Wide Event was concluded with a presentation regarding the conclusions of this SAS Project Meeting and the SAS Project's next steps. In the evening, the ESRs ended their third day with an online social activity where they could interact in a fun, social and informal environment, and share funny stories and experiences.

On the last day, Friday July 3, the ESRs and those interested attended two more scientific/technical trainings: *Human Factors and Ethics for Autonomous Systems* given by M. Sujan (Human Factors Everywhere), and *Formal Verification of Autonomous Systems* given by S. Foster (Univ. of York). In the afternoon, an interactive workshop took place between the ESRs and the Project Manager regarding the SAS communication strategy evaluation and Intranet PODIO evaluation.

All online training sessions were attended by both the SAS ESRs and consortium members interested as well as ESRs from other (ETN & ITN) projects, such as PETER[1], SCENT[2], and ETOPIA[3] as indicated in the following table.

| Training Session | SAS participants | Participants outside the SAS Project | Total participants |
|---|---|---|---|
| Tutorial on Project Management | 19 | 16 | **35** |
| Developing your goals and taking action every day which cover setting goals and managing tasks | 21 | 21 | **42** |
| Unconscious Bias | 22 | 18 | **40** |
| Safety cases for Autonomous Systems | 23 | 9 | **32** |
| Safety of Machine Learning in Autonomous Systems | 24 | 8 | **32** |
| Human Factors and Ethics for Autonomous Systems | 21 | 6 | **27** |
| Formal Verification of Autonomous Systems | 22 | 5 | **27** |

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

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[1] ETN PETER: https://etn-peter.eu/
[2] ITN SCENT: http://www.scent-itn.org/index.html
[3] ITN ETOPIA: http://www.etopia-itn.org/

<u>List of SAS NWE II participants:</u>

| First Name | Last Name | Affiliation | JULY 1, 2020 | JULY 2, 2020 |
|---|---|---|---|---|
| \[MSCA ETN SAS\] NWE 2 June 30 - July 3, 2020 Online Event | | | | |
| Attendance list July 1-2, 2020 - Online plenary meetings through ZOOM | | | | |
| Ahmad | Adee | Bosch - ESR8 | √ | √ |
| Haris | Aftab | University of York - ESR13 | √ | √ |
| Magnus | Albert | SICK AG | √ | - |
| Rob | Alexander | University of York | √ | √ |
| Joan | Andreu | Naïo Technologies | - | - |
| Natalie | Bertels | KU Leuven | - | - |
| Jeroen | Boydens | KU Leuven | √ | √ |
| Richard | Bridgeman | Lloyd's Register EMEA | - | - |
| Luis-Pedro | Cobos | Horiba MIRA Ltd - ESR14 | √ | √ |
| Johan | de Jong | MARIN | - | - |
| Orian | Dheu | KU Leuven - ESR15 | √ | √ |
| Ehab | el Amam | RH Marine Netherlands BV | √ | √ |
| Ivo | Emanuilov | KU Leuven | - | - |
| Jean-Charles | Fabre | LAAS-CNRS | - | - |
| Raul Sena | Ferreira | LAAS-CNRS - ESR1 | √ | √ |
| Simon | Foster | University of York | √ | √ |
| Roman | Gansch | Robert Bosch GmbH | √ | √ |
| Vibhu | Gautam | University of York - ESR11 | √ | √ |
| Jérémie | Guiochet | LAAS-CNRS | √ | √ |
| Ibrahim | Habli | University of York | √ | √ |
| Richard | Hawkins | University of York | √ | √ |
| Harita | Joshi | Jaguar Land Rover | - | - |
| Ralf | Kirchner | Fraunhofer IKS | - | √ |
| Einar | Landre | Equinor | - | √ |
| Lukas | Lanneau | KU Leuven | - | - |
| Yuan | Liao | Fraunhofer ESK - ESR2 | √ | √ |
| John | Mcdermid | University of York | - | - |
| Tianlei | Miao | RH Marine - ESR12 | √ | √ |
| Peter | Munk | Robert Bosch GmbH | √ | √ |
| Eoin | O Carroll | Portable Medical Technology | - | - |
| Aleksandr | Ovechkin | KU Leuven - ESR5 | √ | √ |
| Davy | Pissoort | KU Leuven | √ | √ |
| Patrick | Ringeard | Airbus Operations SAS | - | - |
| Alastair | Ruddle | Horiba MIRA Ltd | √ | √ |
| Luca | Sartori | LAAS-CNRS - ESR6 | √ | √ |
| Sanjiv | Sharma | Airbus Operations SAS | - | - |
| Paul | Snauwaert | CNH Industrial | - | - |
| Stephane | Stroobant | KU Leuven | √ | √ |
| Zaid | Tahir | University of York - ESR7 | √ | √ |
| Hassan | Tirmizi | KU Leuven - ESR9 | √ | √ |
| Mario | Trapp | Fraunhofer IKS | √ | - |
| Dejana | Ugrenovic | KU Leuven - ESR4 | √ | √ |
| Peggy | Valcke | KU Leuven | - | - |
| Jens | Vankeirsbilck | KU Leuven | √ | √ |
| Dries | Vanoost | KU Leuven | √ | √ |
| Marcel | Verhoeven | CNH Industrial | - | - |
| Hélène | Waeselynck | LAAS-CNRS | √ | √ |
| David | Ward | Horiba MIRA Ltd | - | √ |
| Fang | Yan | University of York - ESR10 | √ | √ |
| Joao Vitor | Zacchi | Fraunhofer ESK - ESR3 | √ | √ |
| | | | 32 | 33 |

## 2. Soft-skill and S/T Trainings – Part 1 (Tuesday, June 30, 2020)

The first day of this online Network-Wide Event consisted of technical and soft-skill trainings for the ESRs and interested participants. After a brief welcome and introduction (this PPT presentation can be found in **Annex 2**) given by the Project Manager, the ESRs attended the following 4 online soft-skill and S/T trainings:

- Soft-skill Training: *"Tutorial on Project Management"* given by Dominika Butler (RETT)
- Soft-skill Training: *"Developing your goals and taking action every day which cover setting goals and managing tasks"* given by Carl Pullein (guest lecture)
- Soft-skill Training: *"Unconscious Bias"* given by Leonie Jones (RETT)
- S/T Training: *"Safety cases for Autonomous Systems Part 1"* given by Ibrahim Habli (UoY)

## 3. ESRs Council (Tuesday, June 30, 2020: 12:15 – 13:15 CEST)

All 15 ESRs 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 Tuesday, June 30 from 12:15 – 13:15 (CEST). They were able to share experiences in their research, as well as discuss specific items regarding training, communication, and project management.

A president (ESR5 Aleksandr Ovechkin) and secretary (ESR7 Luca Sartori) 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 Thursday, July 2. The report of this ESRs Council can be found in **Annex 3**.

## 4. S/T Trainings – Part 2 (Wednesday, July 1, 2020: 10:00 – 12:15 CEST)

Day 2 of this online NWE, Wednesday, July 1, started with two scientific/technical trainings: *"Safety cases for Autonomous Systems Part 2"* given by Ibrahim Habli (UoY), and *"Safety of Machine Learning in Autonomous Systems"*, given by Richard Hawkins (UoY).

# 5. Welcome by Project Coordinator + Progress Report (Wednesday, July 1, 2020: 14:30 – 15:05 CEST)

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

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

- Overview of the SAS Supervisory Board
- Overview of the Recruited and started ESRs
- Overview of the SAS Supervisory Committees
- Update on the ESR Personal Career Development Plan
- Overview of the Training Sessions
- SAS WP1-3 Intermediate Discussions
- Overview of the (planned) first Secondments
- Voluntary Ethical Self-Assessment by every ESR
- Overview and Update regarding the SAS Communication and Dissemination Outreach
- Overview and Update regarding the SAS Deliverables and Milestones

# 6. Individual ESRs presentations (July 1, 2020: 15:15 – 18:30 + July 2: 10:00 – 13:45 CEST)

During this part of the online NWE, each ESR gave a dedicated presentation of about 20 minutes regarding their current research progress and specific role within the SAS project. All presentations were highly appreciated by the attendees. The PPT Template regarding the individual ESRs presentations can be found in **Annex 5**.

# 7.  Supervisory Board Meeting (Thursday, July 2, 2020: 14:45 – 15:45 CEST)

During this part of the online NWE, all SAS Supervisory Board members present, the ESR representative Luca Sartori included, joint together. The Agenda 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 SAS Project?
- The impact of the COVID-19 crisis on the SAS 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 able to return to their workplace in a limited occupation.
- Some ESRs are teleworking from their home country (ESR7 Zaid Tahir, ESR11 Vibhu Gautam, ESR13 Haris Aftab, and ESR14 Luis-Pedro Cobos)
- Remote supervision still going on.
- ESR1 Raul and ESR6 Luca: possible delay in PhD progress (> 3 years) at the University of Toulouse.

2. Secondments
- Most of the planned/foreseen secondments in 2020 need to postponed due to COVID-19 crisis.
- A new secondment plan is needed for the next coming year (2020-2021).
- Each ESR is requested to make his/her Secondment Mitigation Plan and to align this with their supervisor(s) and secondment host supervisor.
- Secondment Mitigation Plan for each ESR has to be sent to the Management Team before **the end of August 2020** because this needs to be justified as soon as possible towards the EC REA.

3. Paper Presubmission Procedure
- The SAS Paper Presubmission Procedure was reviewed and explained once more.
- Each ESR is aware of the goal and importance of this Procedure.

4. ESRs Payments
- No known issues.

5.  Project Deliverables:
- An overview was given and discussed regarding the upcoming SAS Deliverables in 2020 and who is the lead beneficiary for the specific Deliverable.
- Special attention was dedicated to the Project Deliverables regarding SAS Special Sessions, Workshops and Tutorials. The outcome regarding these Deliverables is the following:
    - Deliverable 4.14: Tutorial at SAFECOMP 2021
        - Responsible: I. Habli and Z. Tahir (University of York)
    - Deliverable 4.15: Special Session at DSN 2021
        - Responsible: H. Waeselynck, L. Sartori and R. Ferreira (LAAS-CNRS)
    - Deliverable 4.16: Panel Discussion at SAFECOMP 2022
        - Responsible: M. Trapp and J. Zacchi (Fraunhofer)

6.  Ethical self-assessment:
- Ethics self-assessment for each ESR is recommended.
- Role of the SAS Ethical Board was explained.

7.  Next Network-Wide Events:
- **SAS NWE 3 in Munich (GE) @ Fraunhofer** is scheduled from November 16 to 20, 2020.
- This event will be organized physically (until further notice).
- More information regarding **SAS NWE3** will be aligned at the SAS Conference Call, in the beginning of September 2020.

- **SAS NWE 4 in Wageningen (NL) @ MARIN**:
- Proposed period: April/May, 2021.
- Dates will be aligned with the NWE host.

- **SAS NWE 5 in Nuneaton (UK) @ HORIBA-MIRA**:
- Proposed period: October/November, 2021.
- Dates will be aligned with the NWE host.

8.  Video:
- First SAS Promo Video has been launched on Monday, May 4, 2020 through the SAS Social Media.
- Call for all consortium members to share the SAS Promo Video on their own social media channels.

9.  Any other Business:
- Luca, the ESR representative, pointed out the specific things that were discussed between the ESRs at the ESR Council on June 30, 2020, see also *Annex 3*.

## 8.   WP Parallel Sessions + Overview
(Thursday, July 2, 2020: 16:00 – 17:30 CEST)

A session for WP parallel discussions for WP1-3 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 consisted 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.

## 9.   Conclusions of the meeting + project next steps
(Thursday, July 2, 2020: 18:00 – 18:30 CEST)

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

In the evening on July 2, the ESRs ended the third day of this online Network-Wide Event with an online social activity where they could interact in a fun, social and informal environment, and share funny stories and experiences.

## 10.   S/T Trainings – Part 3 + SAS Communication strategy
(Friday, July 3, 2020: 10:30 – 13:30 + 16:15 – 17:30 CEST)

On Friday morning, July 3, the ESRs and those interested attended the 2 following online S/T Trainings:

- *"Human Factors and Ethics for Autonomous Systems"* given by Mark Sujan (guest lecture)
- *"Formal Verification of Autonomous Systems"* given by Simon Foster (UoY)

In the afternoon, a 1h15 Workshop took place where the ESRs were able to evaluate the SAS communication strategy and Intranet PODIO in an interactive way with the Project Manager. The PPT Presentation of this interactive workshop can be found in **Annex 9**.

# 11.  Photos online MSCA ETN SAS Network-Wide Event II

June 30 – July 3, 2020
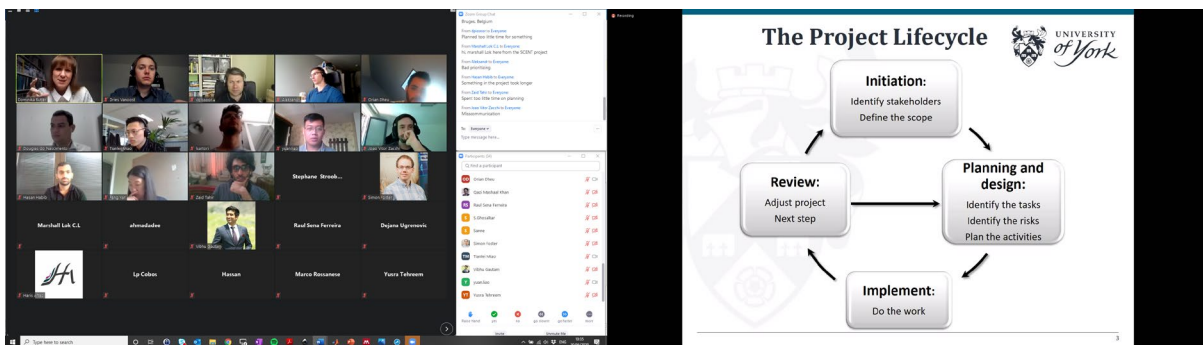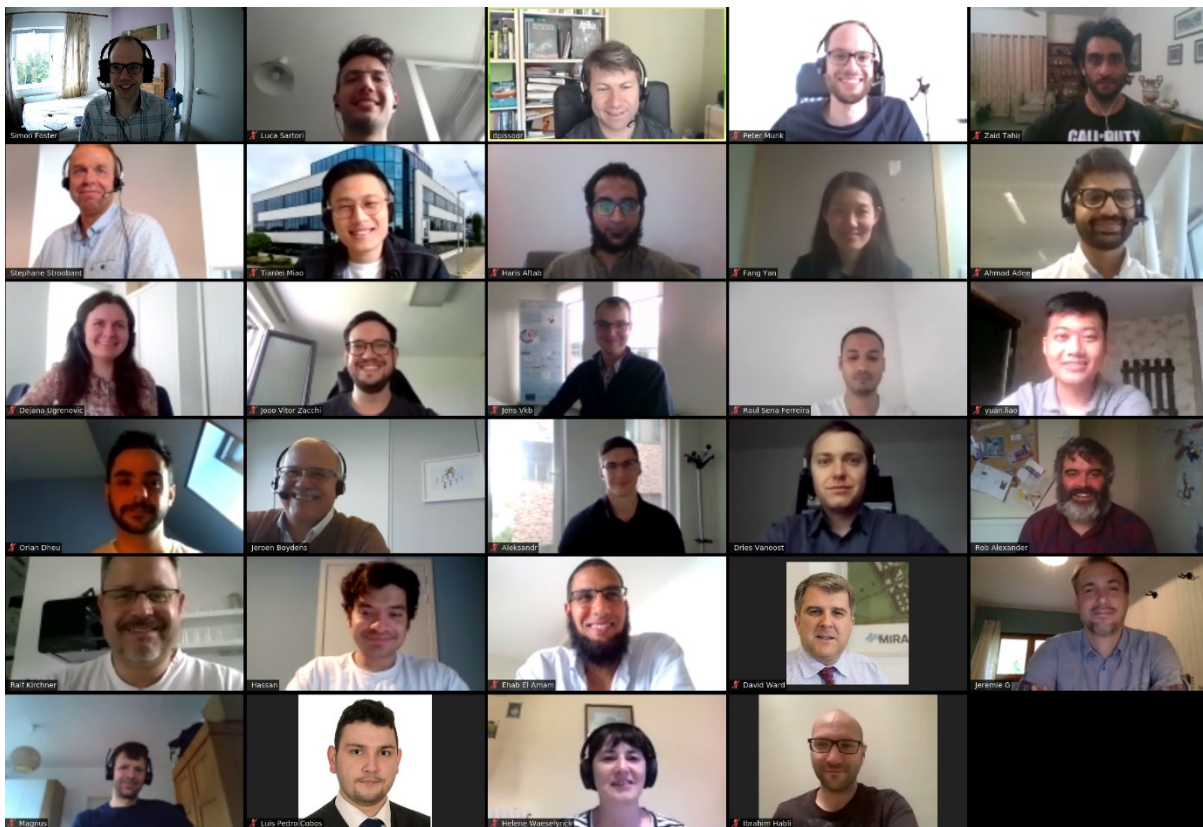
## 12.  Survey SAS NWE II, Dec 2-5 2019, ZOOM Online Meetings

After the SAS NWE II, 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 10**.

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

**Consortium** (13 respondents (out of 33)

| Subject | Item | Average |
|---|---|---|
| Content | Progress Report Presentation | 4.5 |
| | ESRs Presentations | 3.8 |
| | WP Parallel Sessions | 3.8 |
| Online Experience | ZOOM as online meeting platform | 4.0 |
| | Organization of all online meetings | 4.5 |
| General | Overall rating | 4.1 |

**Online Training Sessions** (22 respondents (out of 27 registered)

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

| Training | Average |
|---|---|
| Soft-skill training: *Tutorial on Project Management* | 4.5 |
| Soft-skill training: *Developing your goals and taking action every day which cover setting goals and managing tasks* | 4.7 |
| Soft-skill training: *Unconscious Bias* | 3.7 |
| S/T training: *Safety Cases for Autonomous Systems Part 1* | 4.3 |
| S/T training: *Safety Cases for Autonomous Systems Part 2* | 4.4 |
| S/T training: *Safety of Machine Learning in Autonomous Systems* | 4.4 |
| S/T training: *Human Factors and Ethics for Autonomous Systems* | 4.3 |
| S/T training: *Formal Verification of Autonomous Systems* | 4.5 |
| Overall rating | 4.3 |

[4] ETN PETER: https://etn-peter.eu/
[5] ITN SCENT: http://www.scent-itn.org/index.html
[6] ITN ETOPIA: http://www.etopia-itn.org/

Survey comments:

- Thanks for this excellent online event and all the people who were working on it. It was quite a nice online event with respect to the fact that it is the first time.
- Project is making good progress despite the Corona situation.
- Most ESRs gave a good presentation, some need to upgrade their presentation skills in my opinion.
- Some ESR presentations were a bit unstructured and too long.
- For an online event, everything went well, missed the social contacts though.
- TEAMS seems to work better.
- Thank you very much for the opportunity created to the people from the other projects to enjoy the content of this Training Sessions.
- I liked the sessions of training, they were all interesting for the SAS project and for soft skills development.
- Good choice of trainings. I like that you increased the number of trainings compared to the NWE1.
- For the next NWE, I would like to see more S/T on Machine Learning and AI systems.

# 13. Table overview with Annexes + Annexes

| Annex 1 | Detailed Agenda SAS NWE II June 30 – July 3, 2020 |
|---------|---------------------------------------------------|
| Annex 2 | PPT Presentation "Welcome" June 30, 2020 |
| Annex 3 | Report ESR Council SAS NWE II June 30, 2020 |
| Annex 4 | PPT Presentation "Welcome and Progress Report" July 1, 2020 |
| Annex 5 | PPT Template "ESR Presentation" |
| Annex 6 | Agenda "Supervisory Board Meeting" July 2, 2020 |
| Annex 7 | PPT Presentation "WP1-3 Parallel Sessions + outcome" July 2, 2020 |
| Annex 8 | PPT Presentation "Conclusions of the NWE + next steps" July 2, 2020 |
| Annex 9 | PPT Presentation "Communication strategy and Intranet PODIO evaluation" July 3, 2020 |
| Annex 10 | SAS NWE II Survey Form |

Annex 1

Detailed Agenda SAS NWE II June 30 – July 3, 2020

**European Training Network for**
**Safer Autonomous Systems**

# MSCA ETN SAS Network Wide Event 2

# June 30 – July 3, 2020

# Detailed Agenda - Online Meetings

Background: Due to the actual COVID-19 crisis, it is impossible to have a Face2Face Network-Wide Event in York as planned.

The Agenda on the next 3 pages is to overcome this restriction by shifting to online meetings through **ZOOM** for this Network-Wide Event.

Each meeting link gives you access through **ZOOM** to that specific Online meeting.

Please note that the timings for the meetings are mentioned in **BST** (British Summer Time) and in **CEST** !

## TUESDAY 30.06.2020 – Day 1: ESRs + Optional: Management Support Team + Supervisors & their colleagues

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| **9:00 - 9:20** | **10:00 - 10:20** | Welcome by Project Manager | ESRs and PM | Meeting Link Joining instructions |
| | | | | |
| **9:30 - 10:30** | **10:30 - 11:30** | Soft-skill Training: *"Tutorial on Project Management" (RETT)* | ESRs and those interested | Meeting Link Joining instructions |
| | | | | |
| **11:15 - 12:15** | **12:15 - 13:15** | ESR Council | **ESRs only** | **Separate private link** |
| | | | | |
| **13:30 - 14:30** | **14:30 - 15:30** | Soft-skill Training: *"Developing your goals and taking action every day which would cover setting goals and managing tasks" (Carl Pullein)* | ESRs and those interested | Meeting Link Joining instructions |
| | | | | |
| **14:45 – 15:45** | **15:45 - 16:45** | Soft-skill Training: *"Unconscious Bias" (RETT)* | ESRs and those interested | Meeting Link Joining instructions |
| | | | | |
| **16:00 - 17:00** | **17:00 - 18:00** | S/T Training: *"Safety cases for Autonomous Systems 1" (Ibrahim Habli)* | ESRs and those interested | Meeting Link Joining instructions |

**WEDNESDAY 01.07.2020 – Day 2: ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team (from 13:30 BST)**

| <mark>Time (BST)</mark> | <mark>Time (CEST)</mark> | <mark>Agenda Item</mark> | <mark>Participants</mark> | <mark>Online</mark> |
|---|---|---|---|---|
| 9:00 - 9:30 | 10:00 - 10:30 | S/T Training: *"Safety cases for Autonomous Systems 2" (Ibrahim Habli)* | ESRs and those interested | |
| | | | | |
| 9:45 - 11:15 | 10:45 - 12:15 | S/T Training: *"Safety of Machine Learning in Autonomous Systems" (Richard Hawkins)* | ESRs and those interested | |
| | | | | Meeting Link |
| 13:30 - 14:05 | 14:30 - 15:05 | **Welcome and Progress Report by Project Coordinator** | | Joining instructions |
| | | | Consortium members + ESRs | |
| 14:15 - 15:30 | 15:15 - 16:30 | ESR1-3 presentations + feedback (25 min each) | | |
| | | | | |
| 15:45 - 17:30 | 16:45 - 18:30 | ESR4-7 presentations + feedback (25 min each) | | |

## THURSDAY 02.07.2020 – Day 3: ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team

| Time (BST) | Time (CEST) | Agenda Item | | Participants | Online |
|---|---|---|---|---|---|
| 9:00 - 10:45 | 10:00 - 11:45 | ESR8-11 presentations + feedback (25 min each) | | Consortium members + ESRs | Meeting Link Joining instructions |
| | | | | | |
| 11:00 - 12:45 | 12:00 - 13:45 | ESR12-15 presentations + feedback (25 min each) | | | |
| | | | | | |
| 13:45 - 14:45 | 14:45 - 15:45 | Supervisory Board Meeting | | **Consortium members + Luca** | **Separate private link** |
| | | | | | |
| 15:00 - 16:00 | 16:00 - 17:00 | WP Parallel Sessions: 3 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 |
| | | | | | |
| 16:15 - 16:30 | 17:15 - 17:30 | WP Overview Parallel Sessions: Summary | | Consortium members + ESRs | Meeting Link Joining instructions |
| | | | | | |
| 17:00 - 17:30 | 18:00 - 18:30 | Conclusions of the meeting + project next steps | | | |

## FRIDAY 03.07.2020 – Day 4: ESRs + Optional: Management Support Team + Supervisors & their colleagues

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| 9:30 - 10:30 | 10:30 - 11:30 | S/T Training: *"Human Factors and Ethics for Autonomous Systems"* *(TBD)* | ESRs and those interested | |
| | | | | Meeting Link Joining instructions |
| 11:00 - 12:30 | 12:00 - 13:30 | S/T Training: *"Formal Verification of Autonomous Systems" (Simon Foster)* | ESRs and those interested | |
| | | | | |
| 15:15 - 16:30 | 16:15 - 17:30 | Communication strategy and Intranet PODIO evaluation | ESRs, CM and PM | |

Annex 2

PPT Presentation "Welcome" June 30, 2020

EU H2020 MSCA-ETN SAS
NETWORK-WIDE EVENT 2
JUNE 30 – JULY 3, 2020 – ONLINE EVENT

This project has received funding from the
European Union's EU Framework Programme
for Research and Innovation Horizon 2020
under Grant Agreement No. 812.788

Tuesday June 30, 2020: Day 1



**2**

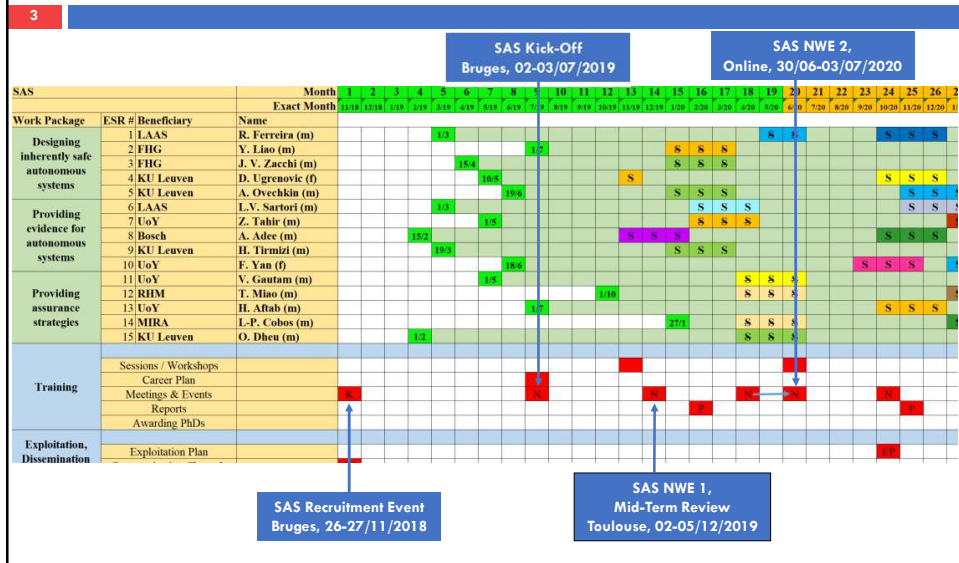**Welcome by Project Manager**

**9:00-9:20 (BST)**          **10:00-10:20 (CEST)**

# SAS Gantt Chart (M1 = Nov 2018)



# SAS Network-Wide Event 2 Agenda (1) – Online Meetings

TUESDAY 30.06.2020 – Day 1: ESRs + Optional: Management Support Team + Supervisors & their colleagues

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| 9:00 - 9:20 | 10:00 - 10:20 | Welcome by Project Manager | ESRs and PM | Meeting Link Joining instructions |
| 9:30 - 10:30 | 10:30 - 11:30 | Soft-skill Training: *"Tutorial on Project Management" (RETT)* | ESRs and those interested | Meeting Link Joining instructions |
| 11:15 - 12:15 | 12:15 - 13:15 | ESR Council | **ESRs only** | **Separate private link** |
| 13:30 - 14:30 | 14:30 - 15:30 | Soft-skill Training: *"Developing your goals and taking action every day which would cover setting goals and managing tasks" (Carl Pullein)* | ESRs and those interested | Meeting Link Joining instructions |
| 14:45 – 15:45 | 15:45 - 16:45 | Soft-skill Training: *"Unconscious Bias" (RETT)* | ESRs and those interested | Meeting Link Joining instructions |
| 16:00 - 17:00 | 17:00 - 18:00 | S/T Training: *"Safety cases for Autonomous Systems 1" (Ibrahim Habli)* | ESRs and those interested | Meeting Link Joining instructions |

MSCA-ETN SAS NWE 2                                                    June 30 – July 3, 2020

# SAS Network-Wide Event 2
# Agenda (2) – Online Meetings

5

**WEDNESDAY 01.07.2020 – Day 2: ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team (from 13:30 BST)**

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| 9:00 - 9:30 | 10:00 - 10:30 | S/T Training: *"Safety cases for Autonomous Systems 2" (Ibrahim Habli)* | ESRs and those interested | |
| 9:45 - 11:15 | 10:45 - 12:15 | S/T Training: *"Safety of Machine Learning in Autonomous Systems" (Richard Hawkins)* | ESRs and those interested | Meeting Link |
| 13:30 - 14:05 | 14:30 - 15:05 | Welcome and Progress Report by Project Coordinator | | Joining instructions |
| 14:15 - 15:30 | 15:15 - 16:30 | ESR1-3 presentations + feedback (25 min each) | Consortium members + ESRs | |
| 15:45 - 17:30 | 16:45 - 18:30 | ESR4-7 presentations + feedback (25 min each) | | |

MSCA-ETN SAS NWE 2                                                    June 30 – July 3, 2020

# SAS Network-Wide Event 2
# Agenda (3) – Online Meetings

6

**THURSDAY 02.07.2020 – Day 3: ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team**

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| 9:00 - 10:45 | 10:00 - 11:45 | ESR8-11 presentations + feedback (25 min each) | Consortium members + ESRs | Meeting Link |
| 11:00 - 12:45 | 12:00 - 13:45 | ESR12-15 presentations + feedback (25 min each) | | Joining instructions |
| 13:45 - 14:45 | 14:45 - 15:45 | Supervisory Board Meeting | **Consortium members + Luca** | **Separate private link** |
| 15:00 - 16:00 | 16:00 - 17:00 | WP Parallel Sessions: 3 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 |
| 16:15 - 16:30 | 17:15 - 17:30 | WP Overview Parallel Sessions: Summary | Consortium members + ESRs | Meeting Link |
| 17:00 - 17:30 | 18:00 - 18:30 | Conclusions of the meeting + project next steps | | Joining instructions |

**FRIDAY 03.07.2020 – Day 4: ESRs + Optional: Management Support Team + Supervisors & their colleagues**

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| 9:30 - 10:30 | 10:30 - 11:30 | S/T Training: *"Human Factors and Ethics for Autonomous Systems "* (TBD) | ESRs and those interested | Meeting Link |
| 11:00 - 12:30 | 12:00 - 13:30 | S/T Training: *"Formal Verification of Autonomous Systems" (Simon Foster)* | ESRs and those interested | Joining instructions |
| 15:15 - 16:30 | 16:15 - 17:30 | Communication strategy and Intranet PODIO evaluation | ESRs, CM and PM | |

MSCA-ETN SAS NWE 2                                                    June 30 – July 3, 2020

# SAS NWE 2 – Online Meetings

- **All the timings for the meetings are mentioned in BST and CEST.**
- Thanks to UoY for setting up the online meetings through **ZOOM.**
- 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.

June 30 – July 3, 2020

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# SAS NWE 2 – ESR presentations

- About **25** mins/ESR
- PPT Template has been sent to ESRs:
  - In-depth presentation regarding research/scientific progress.
  - Update regarding scientific dissemination, deliverable and milestone.
  - AOB
  - Timeframe of 20 mins/ESR presentation + 5 mins Q&A

June 30 – July 3, 2020

# SAS NWE 2 – ESR council

- **Tuesday, June 30 > 11:15 – 12:15 (BST)**
- Instructions + Templates have been sent out:
  - Facilitate Interaction between ESRs.
  - Discuss Project related topics, secondment issues.
  - Experiences related to training and communication.
  - ESR Council is held at each SAS NWE.
  - President is the ESR representative for each council.
  - One Secretary appointed for each council.
  - ESR representative reports to the Supervisory Board.

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# SAS WP1-3 Parallel Sessions – Intermediate Discussion

- Intermediate SAS WP Discussion through short Skype Meeting to discuss:
  - Progress in research
  - Deliverables and milestones
  - Possible collaboration
- WP1: **April 2, May 7**, and **June 25**
- WP2: **April 2, May 14**, and **June 25**
- WP3: **March 12, May 7, and June 11**
- Reports of each WP Discussion available through Podio

# Ethical self-assessment

- □ EC required us to write a dedicated deliverable on ethical issues and potential dual use related to autonomous systems.
- □ Deliverable written through collaboration between KU Leuven and Univ. of York, and submitted to the EC REA.
- □ **Voluntary ethical self-assessment by every ESR written by the NWE 2.**
- □ Ethical Board:
  - ◻ KU Leuven: Prof. A. Vedder, Dr. D. Vanoost
  - ◻ UoY: Dr. I. Habli

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# SAS Video

- □ The first SAS Promo Video has been made in collaboration with Storyrunner, and thanks to Dejana and Orian for explaining the project goals, and presenting the team and the collaborating partners.
- □ SAS Video: https://www.youtube.com/watch?v=L1jEceW29NQ
- □ The Video has been launched on **Monday, May 4, 2020** through our SAS Social Media.
- □ Please share the video on your social media.

# Falling Walls LAB

**13**

**29 SEPTEMBER 2020**                                    ONLINE EVENT!

## FALLING WALLS LAB IS COMING TO MARIE SKŁODOWSKA-CURIE ACTIONS

Which wall will your research break? Pitch your innovative idea in just 3 minutes, showcasing a breakthrough that creates a positive impact on science and society.

FALLING WALLS LAB

**WHO**
Ongoing MSCA fellows, including early stage and experienced researchers

**WHAT**
Convince a jury of your idea – in 3 minutes!

**WHY**
Join the growing Falling Walls community of emerging innovators & win your spot in the global Falling Walls Lab showcase!

**WHERE**
Online platform

**QUESTIONS**
EAC-MSCA-COMMUNICATION@ec.europa.eu

**APPLY HERE**
falling-walls.com/lab/apply
Deadline: 15 July 2020

MSCA-ETN SAS NWE 2                                    June 30 – July 3, 2020

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# European Research & Innovation Days

**14**

**EUROPEAN RESEARCH & INNOVATION DAYS**

VIRTUAL EVENT

22→24 SEPTEMBER 2020

Let's shape the future together

MSCA-ETN SAS NWE 2                                    June 30 – July 3, 2020

| 15 | **Soft-skill Training:** |
|----|--------------------------|
|    | **Tutorial on Project Management (RETT)** |

**9:30-10:30 (BST)**        **10:30-11:30 (CEST)**



| 16 | **ESR Council** |
|----|-----------------|

**11:15-12:15 (BST)**        **12:15-13:15 (CEST)**

**Safer Autonomous Systems**

| 17 | Soft-skill Training: Developing your goals and taking action every day which would cover setting goals and managing tasks (Carl Pullein) |

**13:30-14:30 (BST)**    **14:30-15:30 (CEST)**



**Safer Autonomous Systems**

| 18 | Soft-skill Training: Unconscious Bias (RETT) |

**14:45-15:45 (BST)**    **15:45-16:45 (CEST)**

| 19 | S/T Training:<br>Safety cases for Autonomous Systems 1 (Ibrahim Habli) |
|----|---------------------------------------------------------------------------|
|    | **16:00-17:00 (BST)**          **17:00-18:00 (CEST)**                      |

Annex 3

Report ESR Council SAS NWE II June 30, 2020

# REPORT ESR Researcher Council MSCA ETN SAS NWE2
# June 30, 2020: 11:15 – 12:15 (BST)
# Online Meeting through ZOOM

**1. Secondment (virtual) preferences:**

ESRs unanimously agreed that virtual conferences and secondments should be implemented as less as possible for the following reasons:

a) Communication and interaction between an ESR and the secondment organization is slow and hard to manage;
b) A goal of the secondment is to change the environment, to see how things are organized and regulated in a different place. This goal cannot be reached by online means;

**2. Activities on Social media + Podio evaluation:**

a) ESRs agreed that the publishing strategy should be changed so blog posts would emerge on social media on a more regular basis. It was decided to:

> - ask the Communication manager to include on Podio an option "Date to publish"

> - reconsider blog reviewers;

b) Another suggestion that was proposed is creating a profile in https://medium.com/ that would increase the awareness of people about the SAS project.
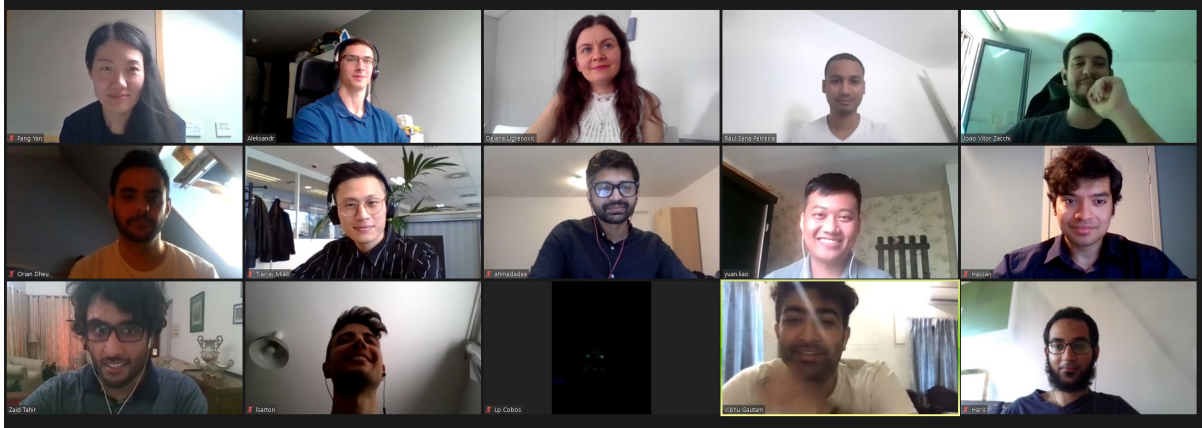
**3. ResearchGate:**

Luis-Pedro Cobos volunteered to be responsible for the ResearchGate profile.

Any other business:

**4. ESRs unanimously decided to ask for the improvement of SAS templates (presentation/report documents).**

Group picture:

Annex 4

PPT Presentation "Welcome and Progress Report" July 1, 2020

Safer Autonomous Systems

EU H2020 MSCA-ETN SAS
NETWORK-WIDE EVENT 2
JUNE 30 – JULY 3, 2020 – ONLINE EVENT

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.788

Wednesday July 1, 2020: Day 2
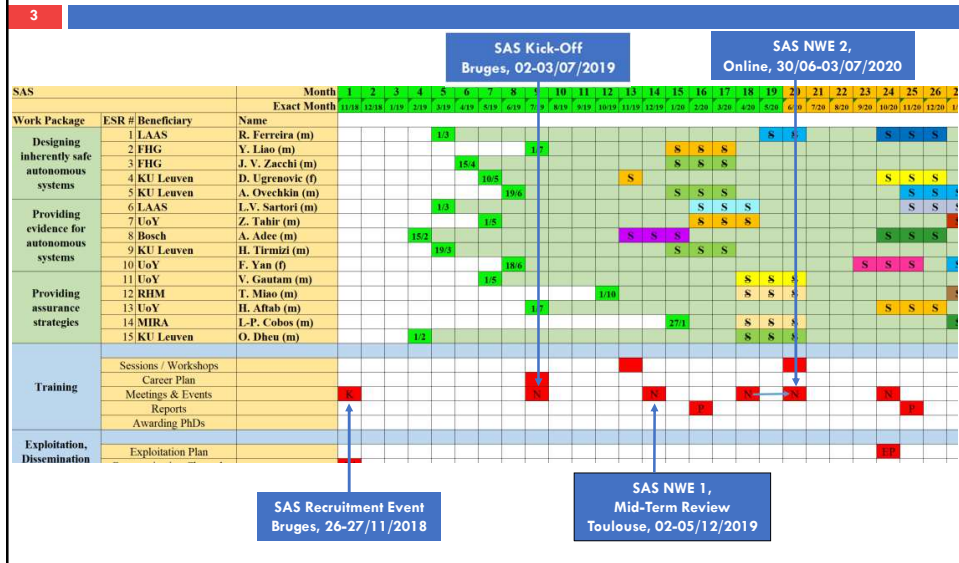


Safer Autonomous Systems

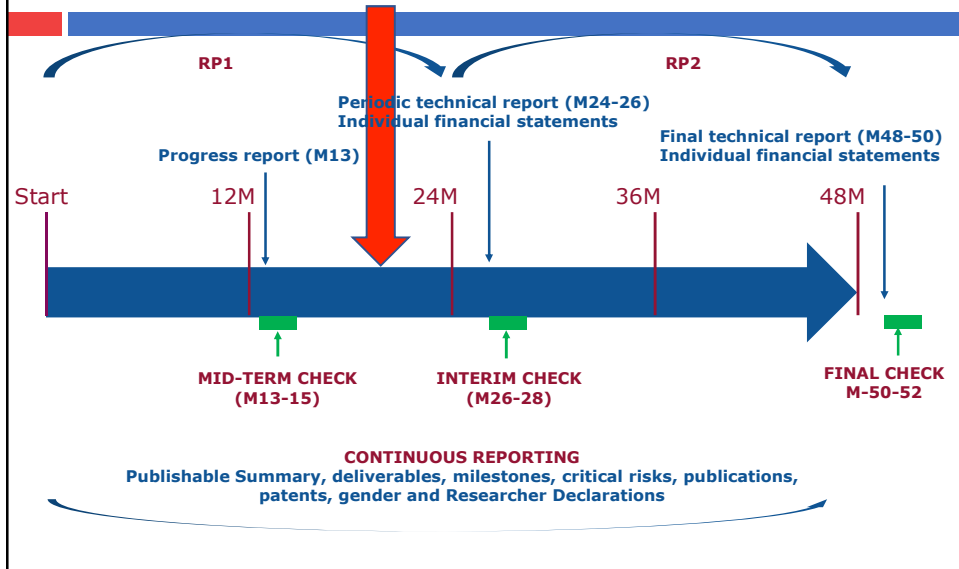**2**  **Welcome and Progress Report by Project Coordinator**

**13:30-14:05 (BST)**          **14:30-15:05 (CEST)**

# SAS Gantt Chart (M1 = Nov 2018)

**3**

**SAS Kick-Off** — Bruges, 02-03/07/2019

**SAS NWE 2,** Online, 30/06-03/07/2020

| SAS Work Package | ESR # | Beneficiary | Name |
|---|---|---|---|
| Designing inherently safe autonomous systems | 1 | LAAS | R. Ferreira (m) |
| | 2 | FHG | Y. Liao (m) |
| | 3 | FHG | J. V. Zacchi (m) |
| | 4 | KU Leuven | D. Ugrenovic (f) |
| | 5 | KU Leuven | A. Ovechkin (m) |
| Providing evidence for autonomous systems | 6 | LAAS | L.V. Sartori (m) |
| | 7 | UoY | Z. Tahir (m) |
| | 8 | Bosch | A. Adee (m) |
| | 9 | KU Leuven | H. Tirmizi (m) |
| | 10 | UoY | F. Yan (f) |
| Providing assurance strategies | 11 | UoY | V. Gautam (m) |
| | 12 | RHM | T. Miao (m) |
| | 13 | UoY | H. Aftab (m) |
| | 14 | MIRA | L.-P. Cobos (m) |
| | 15 | KU Leuven | O. Dheu (m) |

Training: Sessions / Workshops, Career Plan, Meetings & Events, Reports, Awarding PhDs

Exploitation, Dissemination: Exploitation Plan

**SAS Recruitment Event** — Bruges, 26-27/11/2018

**SAS NWE 1, Mid-Term Review** — Toulouse, 02-05/12/2019

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# SAS Project Timeline
# June 2020 = Month 20

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**

# SAS Network-Wide Event 2
# Agenda (1) – Online Meetings

**TUESDAY 30.06.2020 – Day 1: ESRs + Optional: Management Support Team + Supervisors & their colleagues**

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| 9:00 - 9:20 | 10:00 - 10:20 | Welcome by Project Manager | ESRs and PM | Meeting Link Joining instructions |
| 9:30 - 10:30 | 10:30 - 11:30 | Soft-skill Training: *"Tutorial on Project Management" (RETT)* | ESRs and those interested | Meeting Link Joining instructions |
| 11:15 - 12:15 | 12:15 - 13:15 | ESR Council | **ESRs only** | **Separate private link** |
| 13:30 - 14:30 | 14:30 - 15:30 | Soft-skill Training: *"Developing your goals and taking action every day which would cover setting goals and managing tasks" (Carl Pullein)* | ESRs and those interested | Meeting Link Joining instructions |
| 14:45 – 15:45 | 15:45 - 16:45 | Soft-skill Training: *"Unconscious Bias" (RETT)* | ESRs and those interested | Meeting Link Joining instructions |
| 16:00 - 17:00 | 17:00 - 18:00 | S/T Training: *"Safety cases for Autonomous Systems 1" (Ibrahim Habli)* | ESRs and those interested | Meeting Link Joining instructions |

MSCA-ETN SAS NWE 2                                           June 30 – July 3, 2020

# SAS Network-Wide Event 2
# Agenda (2) – Online Meetings

**WEDNESDAY 01.07.2020 – Day 2: ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team (from 13:30 BST)**

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| 9:00 - 9:30 | 10:00 - 10:30 | S/T Training: *"Safety cases for Autonomous Systems 2" (Ibrahim Habli)* | ESRs and those interested | |
| 9:45 - 11:15 | 10:45 - 12:15 | S/T Training: *"Safety of Machine Learning in Autonomous Systems" (Richard Hawkins)* | ESRs and those interested | |
| 13:30 - 14:05 | 14:30 - 15:05 | **Welcome and Progress Report by Project Coordinator** | | Meeting Link Joining instructions |
| 14:15 - 15:30 | 15:15 - 16:30 | ESR1-3 presentations + feedback (25 min each) | Consortium members + ESRs | |
| 15:45 - 17:30 | 16:45 - 18:30 | ESR4-7 presentations + feedback (25 min each) | | |

MSCA-ETN SAS NWE 2                                           June 30 – July 3, 2020

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# SAS Network-Wide Event 2
## Agenda (3) – Online Meetings

**THURSDAY 02.07.2020 – Day 3: ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team**

| Time (BST) | Time (CEST) | Agenda Item | | Participants | Online |
|---|---|---|---|---|---|
| 9:00 - 10:45 | 10:00 - 11:45 | ESR8-11 presentations + feedback (25 min each) | | Consortium members + ESRs | Meeting Link<br>Joining instructions |
| 11:00 - 12:45 | 12:00 - 13:45 | ESR12-15 presentations + feedback (25 min each) | | | |
| 13:45 - 14:45 | 14:45 - 15:45 | Supervisory Board Meeting | | **Consortium members + Luca** | **Separate private link** |
| 15:00 - 16:00 | 16:00 - 17:00 | WP Parallel Sessions: 3 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 |
| 16:15 - 16:30 | 17:15 - 17:30 | WP Overview Parallel Sessions: Summary | | Consortium members + ESRs | Meeting Link<br>Joining instructions |
| 17:00 - 17:30 | 18:00 - 18:30 | Conclusions of the meeting + project next steps | | | |

**FRIDAY 03.07.2020 – Day 4: ESRs + Optional: Management Support Team + Supervisors & their colleagues**

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| 9:30 - 10:30 | 10:30 - 11:30 | S/T Training: "*Human Factors and Ethics for Autonomous Systems* " *(TBD)* | ESRs and those interested | Meeting Link<br>Joining instructions |
| 11:00 - 12:30 | 12:00 - 13:30 | S/T Training: "*Formal Verification of Autonomous Systems*" *(Simon Foster)* | ESRs and those interested | |
| 15:15 - 16:30 | 16:15 - 17:30 | Communication strategy and Intranet PODIO evaluation | ESRs, CM and PM | |

MSCA-ETN SAS NWE 2     June 30 – July 3, 2020

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# SAS NWE 2 – Online Meetings

- **All the timings for the meetings are mentioned in BST and CEST.**
- Thanks to UoY for setting up the online meetings through **ZOOM.**
- 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 SAS NWE 2     June 30 – July 3, 2020

## SAS NWE 2 – ESR presentations

- About **25** mins/ESR
- PPT Template has been sent to ESRs:
  - In-depth presentation regarding research/scientific progress.
  - Update regarding scientific dissemination, deliverable and milestone.
  - AOB
  - Timeframe of 20 mins/ESR presentation + 5 mins Q&A

MSCA-ETN SAS NWE 2
June 30 – July 3, 2020

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## SAS Supervisory Board

**Group 1 (1 vote per beneficiary):**
- D. Pissoort (PC, KU Leuven)
- J. Boydens (VC, KU Leuven)
- D. Vanoost (S/T C, KU Leuven)
- One representative from each Project Beneficiary:
  - P. Valcke (KU Leuven)
  - I. Habli (University of York)
  - J. Guiochet (LAAS-CNRS)
  - M. Trapp (Fraunhofer IKS)
  - P. Munk (Bosch)
  - A. Ruddle (HORIBA-Mira)
  - E. el Amam (RH Marine)

**Group 2 (no formal voting rights):**
- S. Stroobant (PM, KU Leuven)
- One representative from each Partner Organisation:
  - P. Liggesmeyer (TU Kaiserlautern)
  - M. Verhoeven (CNHi)
  - M. Albert (Sick)
  - H. Joshi (Jaguar Land Rover)
  - R. Bridgeman (Lloyd's Register)
  - E. Landre (Equinor)
  - C. Seguineau (Naïo)
  - P. Ringeard (Airbus)
  - J.H. de Jong (Marin)
  - E. O'Caroll (PMT)
- **Luca Sartori** as the ESR representative

MSCA-ETN SAS NWE 2
June 30 – July 3, 2020

## Recruited and started ESRs (15/15)

**11**

Raul Sena Ferreira
ESR1 (LAAS-CNRS)
more about Raul

Yuan Liao
ESR2 (Fraunhofer)
more about Yuan

João Vitor Zacchi
ESR3 (Fraunhofer)
more about João

Dejana Ugrenovic
ESR4 (KU Leuven)
more about Dejana

Aleksandr Ovechkin
ESR5 (KU Leuven)
more about Aleksandr

Luca Vittorio Sartori
ESR6 (LAAS-CNRS)
more about Luca

Zaid Tahir
ESR7 (University of York)
more about Zaid

Ahmad Adee
ESR8 (Bosch)
more about Ahmad

## Recruited and started ESRs (15/15)

**12**

Hassan Tirmizi
ESR9 (KU Leuven)
more about Hassan

Fang Yan
ESR10 (University of York)
more about Fang

Vibhu Gautam
ESR11 (University of York)
more about Vibhu

Tianlei Miao
ESR12 (RH Marine)
more about Tianlei

Haris Aftab
ESR13 (University of York)
more about Haris

Luis Pedro Cobos Yelavives
ESR14 (Horiba-Mira)
more about Luis

Orian Dheu
ESR15 (KU Leuven)
more about Orian

**Luis Pedro started on January 27, 2020.**

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# SAS Supervisory Committees (1/2)

| ESR | Candidate | Host | Main Supervisor | Co-supervisors |
|---|---|---|---|---|
| ESR1 | Raul Sena Ferreira | LAAS-CNRS | J. Guiochet | M. Trapp (FHG), H. Joshi (JLR) |
| ESR2 | Yuan Liao | Fraunhofer IKS | M. Trapp | J.C. Fabre (LAAS), R. Gansch (Bosch) |
| ESR3 | João Vitor Zacchi | Fraunhofer IKS | M. Trapp | I. Habli (UoY), R. Gansch (Bosch) |
| ESR4 | Dejana Ugrenovic | KU Leuven | J. Boydens | T. Holvoet (KU Leuven), P. Munk (Bosch) |
| ESR5 | Aleksandr Ovechkin | KU Leuven | D. Pissoort | G. Vandenbosch (KU Leuven), E. El Amam (RH Marine) |
| ESR6 | Luca Vittorio Sartori | LAAS-CNRS | H. Waeselynck | R. Alexander (UoY), M. Albert (Sick) |
| ESR7 | Zaid Tahir | UoY | R. Alexander | H. Waeselynck (LAAS-CNRS), D. Ward (Horiba-Mira) |
| ESR8 | Ahmad Adee | Bosch | P. Munk (Bosch) | P. Liggesmeyter (TUK), J. Boydens (KU Leuven) |

MSCA-ETN SAS NWE 2

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# SAS Supervisory Committees (2/2)

| ESR | Candidate | Host | Supervisors | Assessors/Mentors |
|---|---|---|---|---|
| ESR9 | Hassan Tirmizi | KU Leuven | D. Pissoort | G. Vandenbosch (KU Leuven), A. Ruddle (Horiba-Mira) |
| ESR10 | Fang Yan | UoY | S. Foster | J. Guiochet (LAAS-CNRS), E. Landre (Equinor) |
| ESR11 | Vibhu Gautam | UoY | R. Alexander | R. Hawkins (UoY), R. Gansch (Bosch) |
| ESR12 | Tianlei Miao | RH Marine | E. El Amam | D. Pissoort (KU Leuven), P. Slaets (KU Leuven) |
| ESR13 | Haris Aftab | UoY | I. Habli | J. Guiochet (LAAS-CNRS), E. O'Caroll (PMT) |
| ESR14 | Luis Pedro Cobos | Horiba-Mira | A. Ruddle | S. Shaikh (UoCoventry), D. Pissoort (KU Leuven) |
| ESR15 | Orian Dheu | KU Leuven | P. Valcke | P. Ringeard (Airbus), D. Pissoort (KU Leuven) |

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

## Personal Career Development Plan PCDP

- All recruited ESRs developed, in dialogue with their supervisors, a Personal Career Development Plan (PCDP).
- 15 signed PCDPs have been uploaded to the participants portal (D4.2 PCDP Report) on March 16, 2020.
- **Progress reports of the PCDPs** to Supervisory Board are a 6 monthly recurring Deliverable.
- D4.9 Progress Report I of PCDP to Supervisory Board Meeting: **Delivery Due Date: August 31, 2020.**
- **So far 9 updated PCDPs have been sent to the Management Team.**

MSCA-ETN SAS NWE 2                                      June 30 – July 3, 2020

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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 the NWE2 (M20):
  - Soft-skill Training I: Tutorial on Project Management
  - Soft-skill Training II: Developing your goals and taking action…
  - Soft-skill Training III: Unconscious Bias
  - S/T Training: Safety cases for autonomous systems (I. Habli)
  - S/T Training: Safety of machine learning in autonomous systems (R. Hawkins)
  - S/T Training: Human factors and ethics for autonomous systems
  - S/T Training: Formal verification of autonomous systems (S. Foster)

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## SAS WP1-3 Parallel Sessions – Intermediate Discussion

- ☐ Intermediate SAS WP Discussion through short Skype Meeting to discuss:
  - ◘ Progress in research
  - ◘ Deliverables and milestones
  - ◘ Possible collaboration
- ☐ WP1: **April 2, May 7, and June 25**
- ☐ WP2: **April 2, May 14, and June 25**
- ☐ WP3: **March 12, May 7, and June 11**
- ☐ Reports of each WP Discussion available through Podio

MSCA-ETN SAS NWE 2                                        June 30 – July 3, 2020

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## (First) Secondments (1)

| [MSCA ETN SAS]  EARLY STAGE RESEARCHERS - SECONDMENTS OVERVIEW | | | | | | | |
|---|---|---|---|---|---|---|---|
| ESR | Name | Host | 1st Secondment Location | Scheduled 1st Secondment Period | Postponed/rescheduled 1st Secondment Period | 2nd Secondment Location | Planned 2nd Secondment Period (GA DoA...) |
| 1 | Raul Sena Ferreira | LAAS-CNRS | Fraunhofer | May - June 2020 (2m) | October 2020 ? | JLR | Oct - Dec 2020 (3m) |
| 2 | Yuan Liao | Fraunhofer IKS | LAAS-CNRS | Feb - April 2020 (3m) | October 2020 ? | Bosch | Feb - April 2021 (3m) |
| 3 | João Vitor Zacchi | Fraunhofer IKS | UoY | March - May 2020 (3m) | ? | Bosch | May - July 2021 (3m) |
| 4 | Dejana Ugrenovic | KU Leuven | LAAS-CNRS | Nov - Dec 2019 (4w) | --- | Bosch | Oct - Dec 2020 (3m) |
| 5 | Aleksandr Ovechkin | KU Leuven | UoY | Jan - March 2020 (2m) | halted/resume ? | CNHi | March - May 2021 (3m) |
| 6 | Luca Vittorio Sartori | LAAS-CNRS | Naio | Feb - April 2020 (3m) | --- | SICK | Nov '20 - Feb '21 (4m) |
| 7 | Zaid Tahir | University of York | LAAS-CNRS | Feb - April 2020 (3m) | ? | Horiba-MIRA | Jan - May 2021 (4m) |

# (First) Secondments (2)

| | | | | **[MSCA ETN SAS]  EARLY STAGE RESEARCHERS - SECONDMENTS OVERVIEW** | | | | |
| ESR | Name | Host | 1st Secondment Location | Scheduled 1st Secondment Period | Postponed/ rescheduled 1st Secondment Period | | 2nd Secondment Location | Planned 2nd Secondment Period (GA DoA…) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | Ahmad Adee | Bosch | TUK | Nov 2019 - Jan 2020 (3m) | --- | | University of York | Oct '20 - Jan '21 (4m) |
| 9 | Hassan Tirmizi | KU Leuven | University of York | Jan - March 2020 (2m) | halted/resume ? | | RH Marine | June - Sept 2021 (4m) |
| 10 | Fang Yan | University of York | Equinor | Aug 2020 (4w) | ? | | Fraunhofer | June - Sept 2021 (4m) |
| 11 | Vibhu Gautam | University of York | Bosch | April - June 2020 (3m) | ? | | Horiba-MIRA | April - July 2021 (4m) |
| 12 | Tianlei Miao | RH Marine | KU Leuven | April - June 2020 (3m) | September 2020 ? | | LR | Jan - June 2021 (5m) |
| 13 | Haris Aftab | University of York | LAAS-CNRS | Oct - Dec 2020 (3m) | ? | | PMT | July - Oct 2021 (4m) |
| 14 | Luis-Pedro Cobos | Horiba-MIRA | KU Leuven | April - June 2020 (3m) | ? | | RH Marine | Jan - March 2021 (3m) |
| 15 | Orian Dheu | KU Leuven | University of York | April - June 2020 (3m) | ? | | Airbus | April - June 2021 (4m) |

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# (First) Secondments (3)

- **SECONDMENTS PLAN:**
  - Planned/foreseen secondments this year
  - Proposed changes and corresponding justification for the changes
  - **NEW Secondment Plan needed for the next coming year**
  - **Responsibility of each ESR to make this Secondment Plan for the next coming year (until July 2021)**
  - Align and communicate with management team because we need to justify everything towards the EC REA
  - **Contingency plan: in order to avoid multiple requests to the EC REA, requesting a REDRAFT of the secondments???**
  - **This will be furthermore discussed at the NWE 2 during the WP Discussions and the Supervisory Board Meeting**

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# (First) Secondments (4)

- After each Secondment a Secondment Report needs to be written by the ESR, and signed by the ESR and the Secondment Hosting Supervisor.
  Template will be send out by Stephane.

- **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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# Ethical self-assessment

- EC required us to write a dedicated deliverable on ethical issues and potential dual use related to autonomous systems.
- Deliverable written through collaboration between KU Leuven and Univ. of York, and submitted to the EC REA.
- **Voluntary ethical self-assessment by every ESR written by the NWE 2.**
- **So far 10 ethical self-assessments have been sent to the Management Team.**
- Ethical Board:
  - KU Leuven: Prof. A. Vedder, Dr. D. Vanoost
  - UoY: Dr. I. Habli

**23**    **Communication and Dissemination Outreach**

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# SAS Project Visual Identity (1/3)

**24**

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

**SAS Project Logo**

## Post

Scientific dissemination (peer-review publications) – Specific paragraph to be added in acknowldgement 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 812.788 (MSCA-ETN SAS). This publication reflects only the authors' view, exempting the European Union from any liability. Project website: http://etn-sas.eu/.*"

## Paper Presubmission Procedure
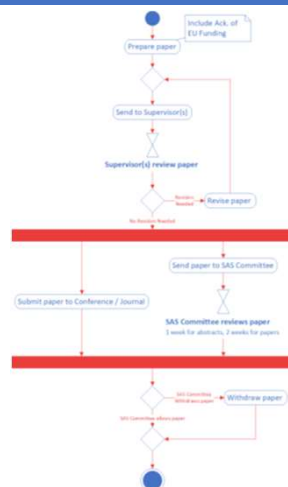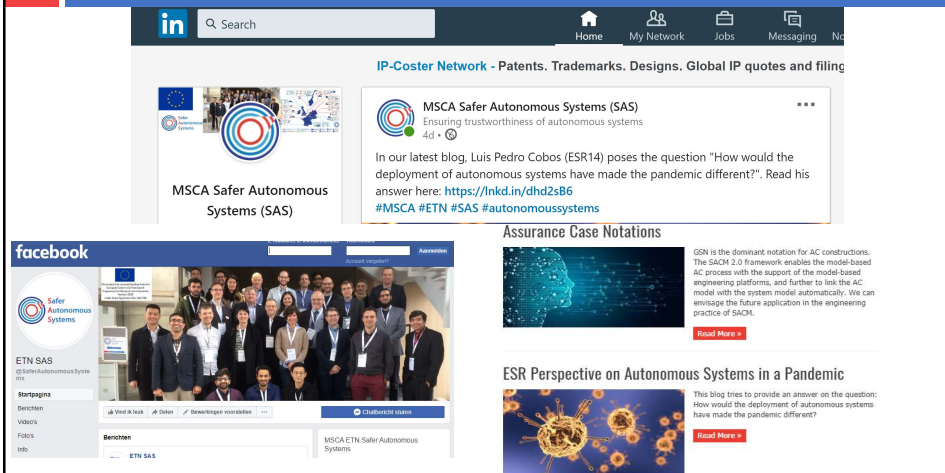
## SAS Blogs, Social Media,…

- ☐ ESRs are involved in communication and dissemination activities.
- ☐ So far, the ESRs have written and published **19** blog posts presenting their work for the general public.
- ☐ They have published several posts on Social Media (on SAS Facebook, Twitter & LinkedIn channels)
- ☐ **Leadership, Self-Organisation and creative ideas are needed here.**
- ☐ ESR Researcher Council and informal moments during network-wide events ideal place/ moments to discuss these items and come up with new ideas.

MSCA-ETN SAS NWE 2                                                    June 30 – July 3, 2020

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## SAS Blogs and Social Media
## (e.g. Facebook, LinkedIn, Twitter, etc.)

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# SAS Video

- The first SAS Promo Video has been made in collaboration with Storyrunner, and thanks to Dejana and Orian for explaining the project goals, and presenting the team and the collaborating partners.
- SAS Video: https://www.youtube.com/watch?v=L1jEceW29NQ
- The Video has been launched on **Monday, May 4, 2020** through our SAS Social Media.
- Please share the video on your social media.

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**32**     **Deliverables & Milestones**

# Project Deliverables

| Submitted Deliverables in 2020 | Submission Date |
|---|---|
| ☐ **D4.4 SAS Network-Wide Event I** | **March 2, 2020** |
| ☐ **D6.6 Supervisory Board of the Network: Update** | **March 11, 2020** |
| ☐ **D6.2 Employment contracts with ESRs: Update** | **March 16, 2020** |
| ☐ **D4.2 15 PCDPs: Update** | **March 16, 2020** |
| ☐ **D2.1 Report on first experiment of the virtual worlds generation on a robotic simulator (LAAS-CNRS, ESR 6 Luca)** | **June 9, 2020** |

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# Project Deliverables
# Upcoming Deliverables in 2020 (GA DoA)

| Deliverable | Lead Beneficiary | Delivery Due Date |
|---|---|---|
| D3.1 Literature review of safety challenges associated with the use of intelligent conversational bots | UoY, ESR13 Haris | **July 31, 2020** |
| D4.3 SAS Network-Wide Event II (Online Event) | KU Leuven, Management Team | **August 31, 2020** |
| D4.9 Progress Report I of PCDP to Supervisory Board Meeting | KU Leuven, Management Team | **August 31, 2020** |
| D1.1 Report on first version of the language for the expression of safety constraints and synthesis of safety rules | LAAS-CNRS, ESR1 Raul | **October 31, 2020** |
| D3.2 Report on executable safety assurance case models for autonomous drilling use-case | UoY, ESR10 Fang | **October 31, 2020** |
| D5.4 Exploitation plan | Horiba-Mira, (KU Leuven) | **October 31, 2020** |
| D4.5 SAS Network-Wide Event III (Fraunhofer) | KU Leuven, Management Team | **October 31, 2020** |
| D4.10 Progress Report II of PCDP to Supervisory Board Meeting | KU Leuven, Management Team | **October 31, 2020** |

## Project Deliverables:
## Special Sessions, Workshops, Tutorials,…

| Deliverable | Event | Type | Responsible | Timing | Location |
|---|---|---|---|---|---|
| D4.13 | ~~CPS Week 2020~~ **DATE ASD 2020 ??** | Special Session | P. Munk + A. Adee (Bosch) | **To be checked** | **To be checked** |
| D4.14 | SAFECOMP **2021** | Workshop | I. Habli + Z. Tahir (UoY) | **To be checked** | **To be checked** |
| D4.15 | DSN 2021 | Special Session | H. Waeselynck + L. Sartori and R. Ferreira (LAAS) | **To be checked** | **To be checked** |
| D4.16 | SAFECOMP **2022** | Panel Discussion | **M. Trapp** + J. Zacchi (FHG) | **To be checked** | **To be checked** |

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

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## Project Milestones

**Milestones**

| Number | Name | Lead Beneficiary | Delivery Date (Annex I) ▲ | Achieved | Delivery Date (actual) |
|---|---|---|---|---|---|
| 22 | Bottlenecks and inconsistencies in the existing liability regimes when applied to autonomous systems Identifie | KU Leuven | 30 Apr 2020 | ☐ | |
| 12 | SAS Network Wide Event II | CNRS | 30 Apr 2020 | ☑ | 02 dec 2019 |
| 23 | Statistical V&V framework for EMI analysis completed | KU Leuven | 31 Aug 2020 | ☐ | |
| 25 | Exploitation Plan | MIRA | 31 Oct 2020 | ☐ | |
| 13 | SAS Network Wide Event III | Fraunhofer | 31 Oct 2020 | ☐ | |
| 8 | 2nd Annual SB meeting | KU Leuven | 31 Oct 2020 | ☐ | |
| 24 | One scientific publication per ESR | CNRS | 31 Oct 2020 | ☐ | |
| 26 | Safety concept and architectural strategies for clinical conversational bots | UY | 30 Nov 2020 | ☐ | |
| 27 | Complete prototype tooling for situation coverage testing available and working for a small example | UY | 31 Dec 2020 | ☐ | |
| 28 | Initial implementation of run-time safety contexts and cascading monitoring architectures | Fraunhofer | 31 Jan 2021 | ☐ | |

**Project Deliverables & Milestones will be furthermore discussed at the NWE 2 during the Supervisory Board Meeting and the WP Discussions.**

MSCA-ETN SAS NWE 2

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## SAS 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 SAS Grant Agreement Annex 1.

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**38**    **ESR1-3 presentations + feedback (25 min each)**

**14:15-15:30 (BST)**          **15:15-16:30 (CEST)**

# ESR1-3 presentations

| [MSCA ETN SAS] ONLINE Network-Wide Event - ESRs Presentations - July 1-2, 2020 | | | | |
|---|---|---|---|---|
| **ESR** | **First Name** | **Last Name** | **Affiliation** | **Presentation (BST)** | **Presentation (CEST)** |
| 1 | Raul Sena | Ferreira | LAAS-CNRS | 14:15-14:40 | 15:15-15:40 **15:27-15:48** |
| 2 | Yuan | Liao | Fraunhofer IKS | 14:40-15:05 | 15:40-16:05 **15:54-16:18** |
| 3 | Joao Vitor | Zacchi | Fraunhofer IKS | 15:05-15:30 | 16:05-16:30 **16:23-16:41** |

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June 30 – July 3, 2020



**40**

**ESR4-7 presentations + feedback (25 min each)**

**15:45-17:30 (BST)**          **16:45-18:30 (CEST)**

# ESR4-7 presentations:

| [MSCA ETN SAS] ONLINE Network-Wide Event - ESRs Presentations - July 1-2, 2020 | | | | | |
|-----|-----|-----|-----|-----|-----|
| ESR | First Name | Last Name | Affiliation | Presentation (BST) | Presentation (CEST) |
| 4 | Dejana | Ugrenovic | KU Leuven | 15:45-16:10 | 16:45-17:10 **17:00-17:18** |
| 5 | Aleksandr | Ovechkin | KU Leuven | 16:10-16:35 | 17:10-17:35 **17:26-17:46** |
| 6 | Luca Vittorio | Sartori | LAAS-CNRS | 16:35-17:00 | 17:35-18:00 **17:52-18:15** |
| 7 | Zaid | Tahir | University of York | 17:00-17:25 | 18:00-18:25 **18:18-18:40** |

MSCA-ETN SAS NWE 2                                          June 30 – July 3, 2020

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Annex 5

PPT Template "ESR Presentation"

# Instructions for your ESR presentation

□ Please give a presentation of approximately **20 minutes** regarding your research/scientific progress and possible AOB (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.**

□ **Also mention an update regarding your scientific dissemination, deliverable and milestone.**

□ **Keep in mind that you give your presentation online for SAS Consortium members and SAS ESRs.**

□ Please respect the timeframe of 20 minutes.

MSCA-ETN SAS NWE 2　　　　　　　　ESR X　　　　　　　　June 30 – July 3, 2020

# Any other business

<u>Slide(s) 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

☐ …

Annex 6

Agenda "Supervisory Board Meeting" July 2, 2020

SUPERVISORY BOARD MEETING
JULY 2, 2020          ONLINE MEETING
13:45-14:45 (BST)  14:45-15:45 (CEST)

MSCA-ETN SAS Network-Wide Event 2
June 30 – July 3, 2020

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## Agenda

**2**

☐ Impact of COVID-19 crisis on the SAS Project?

☐ Secondments

☐ Paper Presubmission Procedure

☐ ESRs Payments

☐ Project Deliverables

☐ Ethical self-assessment

☐ Next Network-Wide Events

☐ Video

☐ AoB

MSCA-ETN SAS NWE 2                                          June 30 – July 3, 2020

# Impact of COVID-19 crisis on the SAS Project?

# (First) Secondments (1)

| [MSCA ETN SAS] EARLY STAGE RESEARCHERS - SECONDMENTS OVERVIEW | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ESR | Name | Host | 1st Secondment Location | Scheduled 1st Secondment Period | Postponed/rescheduled 1st Secondment Period | | 2nd Secondment Location | Planned 2nd Secondment Period (GA DoA...) |
| 1 | Raul Sena Ferreira | LAAS-CNRS | Fraunhofer | May - June 2020 (2m) | October 2020 ? | | JLR | Oct - Dec 2020 (3m) |
| 2 | Yuan Liao | Fraunhofer IKS | LAAS-CNRS | Feb - April 2020 (3m) | October 2020 ? | | Bosch | Feb - April 2021 (3m) |
| 3 | João Vitor Zacchi | Fraunhofer IKS | UoY | March - May 2020 (3m) | ? | | Bosch | May - July 2021 (3m) |
| 4 | Dejana Ugrenovic | KU Leuven | LAAS-CNRS | Nov - Dec 2019 (4w) | --- | | Bosch | Oct - Dec 2020 (3m) |
| 5 | Aleksandr Ovechkin | KU Leuven | UoY | Jan - March 2020 (2m) | halted/resume ? | | CNHi | March - May 2021 (3m) |
| 6 | Luca Vittorio Sartori | LAAS-CNRS | Naio | Feb - April 2020 (3m) | --- | | SICK | Nov '20 - Feb '21 (4m) |
| 7 | Zaid Tahir | University of York | LAAS-CNRS | Feb - April 2020 (3m) | ? | | Horiba-MIRA | Jan - May 2021 (4m) |

# (First) Secondments (2)

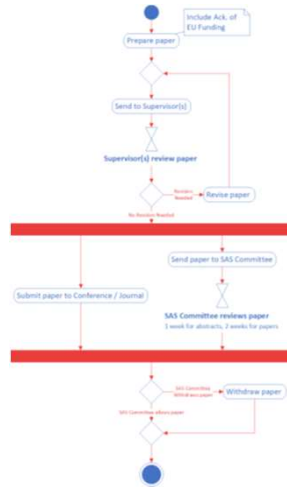| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **[MSCA ETN SAS] EARLY STAGE RESEARCHERS - SECONDMENTS OVERVIEW** | | | | | | | |
| **ESR** | **Name** | **Host** | **1st Secondment Location** | **Scheduled 1st Secondment Period** | **Postponed/ rescheduled 1st Secondment Period** | **2nd Secondment Location** | **Planned 2nd Secondment Period (GA DoA…)** |
| 8 | Ahmad Adee | Bosch | TUK | **Nov 2019 - Jan 2020 (3m)** | --- | University of York | **Oct '20 - Jan '21 (4m)** |
| 9 | Hassan Tirmizi | KU Leuven | University of York | **Jan - March 2020 (2m)** | **halted/resume ?** | RH Marine | **June - Sept 2021 (4m)** |
| 10 | Fang Yan | University of York | Equinor | **Aug 2020 (4w)** | **?** | Fraunhofer | **June - Sept 2021 (4m)** |
| 11 | Vibhu Gautam | University of York | Bosch | **April - June 2020 (3m)** | **?** | Horiba-MIRA | **April - July 2021 (4m)** |
| 12 | Tianlei Miao | RH Marine | KU Leuven | **April - June 2020 (3m)** | **September 2020 ?** | LR | **Jan - June 2021 (5m)** |
| 13 | Haris Aftab | University of York | LAAS-CNRS | **Oct - Dec 2020 (3m)** | **?** | PMT | **July - Oct 2021 (4m)** |
| 14 | Luis-Pedro Cobos | Horiba-MIRA | KU Leuven | **April - June 2020 (3m)** | **?** | RH Marine | **Jan - March 2021 (3m)** |
| 15 | Orian Dheu | KU Leuven | University of York | **April - June 2020 (3m)** | **?** | Airbus | **April - June 2021 (4m)** |

# (First) Secondments (3)

- **SECONDMENTS PLAN:**
  - Planned/foreseen secondments this year
  - Proposed changes and corresponding justification for the changes
  - **NEW Secondment Plan needed for the next coming year**
  - **Responsibility of each ESR to make this Secondment Plan for the next coming year (until July 2021)**
  - Align and communicate with management team because we need to justify everything towards the EC REA
  - **Contingency plan: in order to avoid multiple requests to the EC REA, requesting a REDRAFT of the secondments???**

MSCA-ETN SAS NWE 2                                    June 30 – July 3, 2020

# Paper Presubmission Procedure

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# ESRs Payments

☐ Any comments/remarks, and clear for all ESRs?

☐ Funding after month 36…

## Project Deliverables
## Upcoming Deliverables in 2020 (GA DoA)

**9**

| Deliverable | Lead Beneficiary | Delivery Due Date |
|---|---|---|
| D3.1 Literature review of safety challenges associated with the use of intelligent conversational bots | UoY, ESR13 Haris | **July 31, 2020** |
| D4.3 SAS Network-Wide Event II (Online Event) | KU Leuven, Management Team | **August 31, 2020** |
| D4.9 Progress Report I of PCDP to Supervisory Board Meeting | KU Leuven, Management Team | **August 31, 2020** |
| D1.1Report on first version of the language for the expression of safety constraints and synthesis of safety rules | LAAS-CNRS, ESR1 Raul | **October 31, 2020** |
| D3.2 Report on executable safety assurance case models for autonomous drilling use-case | UoY, ESR10 Fang | **October 31, 2020** |
| D5.4 Exploitation plan | Horiba-Mira, (KU Leuven) | **October 31, 2020** |
| D4.5 SAS Network-Wide Event III (Fraunhofer) | KU Leuven, Management Team | **October 31, 2020** |
| D4.10 Progress Report II of PCDP to Supervisory Board Meeting | KU Leuven, Management Team | **October 31, 2020** |

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

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## Project Deliverables:
## Special Sessions, Workshops, Tutorials,…

**10**

| Deliverable | Event | Type | Responsible | Timing | Location |
|---|---|---|---|---|---|
| D4.13 | ~~CPS Week 2020~~ **DATE ASD 2020 ??** | Special Session | P. Munk + A. Adee (Bosch) | **To be checked** | **To be checked** |
| D4.14 | SAFECOMP **2021** | Workshop | I. Habli + Z. Tahir (UoY) | **To be checked** | **To be checked** |
| D4.15 | DSN 2021 | Special Session | H. Waeselynck + L. Sartori and R. Ferreira (LAAS) | **To be checked** | **To be checked** |
| D4.16 | SAFECOMP **2022** | Panel Discussion | **M. Trapp** + J. Zacchi (FHG) | **To be checked** | **To be checked** |

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

## Ethical self-assessment

- ☐ EC required us to write a dedicated deliverable on ethical issues and potential dual use related to autonomous systems.
- ☐ Deliverable written through collaboration between KU Leuven and Univ. of York, and submitted to the EC REA.
- ☐ **Voluntary ethical self-assessment by every ESR written by the NWE 2.**
- ☐ Ethical Board:
  - ◘ KU Leuven: Prof. A. Vedder, Dr. D. Vanoost
  - ◘ UoY: Dr. I. Habli

MSCA-ETN SAS NWE 2                                    June 30 – July 3, 2020

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## Next Network-Wide Events

- ☐ **SAS NWE 3 in Munich** (GE) @ Fraunhofer: 4 days
  - ◘ Final Dates: **November 17-20, 2020**
  - ◘ Will be organized physically (until further notice)
  - ◘ Starting on Monday, November 16, so 1 extra day with Co-Thinking Session for ESRs on Friday, November 20?
  - ◘ **Plenary meetings on November 16-17, 2020…**
  - ◘ More information will be sent out in September, 2020.

MSCA-ETN SAS NWE 2                                    June 30 – July 3, 2020

# Next Network-Wide Events

- **SAS NWE 4 in Wageningen** (NL) @ MARIN: 4 days
  - **GA DoA Annex I: February 2021**
  - **Proposed month: April/May 2021?**
  - **Dates will be aligned with the NWE host**
- **SAS NWE 5 in Nuneaton** (UK) @ HORIBA-MIRA: 4 days
  - **GA DoA Annex I: August 2021 (M36)**
  - **Proposed month: October/November 2021?**
  - **Dates will be aligned with the NWE host**

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

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# SAS Video

- The first SAS Promo Video has been made in collaboration with Storyrunner, and thanks to Dejana and Orian for explaining the project goals, and presenting the team and the collaborating partners.
- SAS Video: https://www.youtube.com/watch?v=L1jEceW29NQ
- The Video has been launched on **Monday, May 4, 2020** through our SAS Social Media.
- Please share the video on your social media.

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June 30 – July 3, 2020

# AoB

**15**

Annex 7

PPT Presentation "WP1-3 Parallel Sessions + outcome" July 2, 2020

SCIENTIFIC WP 1-3 PARALLEL SESSIONS
THURSDAY, JULY 2, 2020
15:00-16:00 (BST)     16:00-17:00 (CEST)

This project has received funding from the
European Union's EU Framework Programme
for Research and Innovation Horizon 2020
under Grant Agreement No. 812.788

EU H2020 MSCA-ETN SAS NWE2
JUNE 30 – July 3, 2020 – ONLINE EVENT



**2**  **WP Parallel Sessions: 3 S/T Work Packages**

**15:00-16:00 (BST)**        **16:00-16:45 (CEST)**

## S/T Work Packages Parallel Sessions

**3**

□ **SAS Scientific Work Packages 1-3**

▫ 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

---

## S/T Work Packages Parallel Sessions

**4**

□ **SAS Scientific/Technical Coordinator**

# Dries Vanoost

□ **Some task of the S/T Coordinator**
- Follow up Scientific and Technical progress
- Encouragement and support to the ESRs
- Setup the bi-monthly teleconference meetings
- Ensure continuous monitoring and communication with all the network Participants
- …

## WP1: Designing inherently safe autonomous systems

**ESRs**

- ESR1: Raul Sena Ferreira (LAAS)
- ESR2: Yuan Liao (Fraunhofer)
- ESR3: João Vitor Zacchi (Fraunhofer)
- ESR4: Dejana Ugrenovic (KU Leuven)
- ESR5: Aleksandr Ovechkin (KU Leuven)

**Supervisors**

- (Mario Trapp - Fraunhofer)
- Ralf Kirchner - Fraunhofer
- **Jérémie Guiochet - LAAS**
- Jeroen Boydens - KU Leuven
- Dries Vanoost - KU Leuven
- Jens Vankeirsbilck – KU Leuven
- Representatives of JLR and CNHi

MSCA-ETN SAS NWE 2                                                      June 30 – July 3, 2020

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## WP1: Designing inherently safe autonomous systems

**Tasks**

| No. | Title | ESR |
|-----|-------|-----|
| T1.1 | Development of a generic framework to monitor and handle safety of autonomous systems during run-time | Raul Sena Ferreira |
| T1.2 | Development of an adaptive platform for resilient autonomous systems based on a MAPE-K cycle | Yuan Liao |
| T1.3 | Dynamic safety handling of autonomous systems-of-systems with run-time safety contracts | João Vitor Zacchi |
| T1.4 | Creating Software Design Guidelines and Testing Specifications for Non-Functional Requirements in Safety-critical Autonomous Systems | Dejana Ugrenovic |
| T1.5 | Making Connectivity Work Reliably in a diverse Range of Environments | Aleksandr Ovechkin |

MSCA-ETN SAS NWE 2                                                      June 30 – July 3, 2020

## WP1: Designing inherently safe autonomous systems

### Deliverables

| No. | Title | Lead | Type | Diss. Level | Due Date |
|-----|-------|------|------|-------------|----------|
| D1.1 | Report on first version of the language for the expression of safety constraints and synthesis of safety | CNRS (Raul) | Report | public | M 24 (Oct. 20) |
| D1.2 | Publication on initial implementation of run-time safety contracts and according monitoring architectures | Fraunhofer (João) | Report | public | M 27 (Jan. 21) |
| D1.3 | Publication on the effectiveness of EM-diverse redundancy to harden wireless interconntectivity | KU Leuven (Aleksandr) | Report | public | M 31 (May 21) |
| D1.4 | Report on validation of MAPE-K-based architecture and underlying adaptation concepts in an industrial context | Fraunhofer (Yuan) | Report | public | M 42 (Apr. 22) |
| D1.5 | Report on the practical assessment and evaluation of safety-critical software design and testing strategies | KU Leuven (Dejana) | Report | public | M 42 (Apr. 22) |

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

## WP1: Designing inherently safe autonomous systems

### Milestones

| No. | Title | Lead | Means of verific. | Due Date |
|-----|-------|------|-------------------|----------|
| MS1.1 | Different safety assurance frameworks compared on simplified, virtual autonomous system | LAAS (Raul) | Report available | M 13 (Nov. 19) |
| MS1.2 | Decision on which wireless communication protocols to be considered for study on EMI-aware design techniques and measures | KU Leuven (Aleksandr) | Overview list available | M 13 (Nov. 19) |
| MS1.3 | Initial implementation of run-time safety contracts and according monitoring architectures | Fraunhofer (João) | Report available | M 27 (Jan. 21) |
| MS1.4 | Software design and testing strategies assessed on testcase of autonomous robot | KU Leuven (Dejana) | Report available | M 36 (Oct. 21) |
| MS1.5 | Peer-reviewed publication on full implementation of MAPE-K based adaptive platform for autonomous systems | Fraunhofer (Yuan) | Paper accepted for publication in peer-reviewed journal | M 40 (Feb. 22) |

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June 30 – July 3, 2020

## WP1: Designing inherently safe autonomous systems

**Actions/Summary + AOB**

- ☐ ESR1 Raul (PhD 3 years): no secondment done so far (one was foreseen in May 2020). Will start secondment in January 2021. Remote work + physical move, + 3 months prolongation PhD.
- ☐ ESR2 Yuan: 1st secondment in fall 2020 (be careful with the security clearance of 2 months).
- ☐ ESR3 João (PhD target 3 years): secondment at York has been cancelled → completely remotely?!
- ☐ ESR4 Dejana (PhD 4 years): foreseen secondment in October 2020 at Bosch.
- ☐ ESR5 Aleksandr: 1st secondment done in Jan-Mar 2020 in York. No impact on second secondment foreseen at CNHi.

## WP2: Providing evidence for autonomous systems

### ESRs

- ☐ ESR6: Luca V. Sartori (LAAS)
- ☐ ESR7: Zaid Tahir (University of York)
- ☐ ESR8: Ahmed Adee (Bosch)
- ☐ ESR9: Hassan Tirmizi (KU Leuven)

### Supervisors

- ☐ Hélène Waeselynck - LAAS
- ☐ Rob Alexander - UoY
- ☐ *Peter Munk - Bosch*
- ☐ Davy Pissoort- KU Leuven
- ☐ Representatives of Naïo, SICK and TUK

## WP2: Providing evidence for autonomous systems

### Tasks

| No. | Title | ESR |
|-----|-------|-----|
| T2.1 | Virtual worlds generation for testing autonomous robots in simulation | Luca Vittorio Sartori |
| T2.2 | Rigorous Design and Evaluation of Situation Coverage Testing for Autonomous Vehicles | Zaid Tahir |
| T2.3 | Model-based System Analysis Techniques to determine propagation paths of functional insufficiencies in software-intensive systems | Ahmad Adee |
| T2.4 | Model-based System Analysis of the Robustness of Autonomous Systems against ElectroMagnetic Interference | Hassan Tirmizi |

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

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## WP2: Providing evidence for autonomous systems

### Deliverables

| No. | Title | Lead | Type | Diss. Level | Due Date |
|-----|-------|------|------|-------------|----------|
| D2.1 | Report on first experiment of the virtual worlds generation on a robotic simulator<br>**+6 months: rationale > late start of ESR and IP issues with the case study** | LAAS (Luca) | Report | public | **M 19 (May 20)** *M 13 (Nov. 19)* |
| D2.2 | Report on validation of virtual EMI-aware V&V framework on academic testcases | KU Leuven (Hassan) | Report | public | M 31 (May 21) |
| D2.3 | Report discussing the completeness of model-based system analysis when dealing with functional insufficiencies | Bosch (Ahmad) | Report | public | M 31 (May 21) |
| D2.4 | Publication on the situation coverage testing approach applied to a representative automotive case study | University of York (Zaid) | Report | public | M 40 (Feb. 22) |

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## WP2: Providing evidence for autonomous systems

### Milestones

| No. | Title | Lead | Means of verific. | Due Date |
|-----|-------|------|-------------------|----------|
| MS2.1 | Decision on which model-based system analysis suits are fitted best to cope with functional insufficiencies **+3 months: rationale > before this decision can be taken, a clear definition of the terms has to be developed by the ESR** | Bosch (Ahmad) | Overview on advantages and disadvantages of the model-based system analysis suits available | **M 16 (Feb. 20)** *M 13 (Nov. 19)* |
| MS2.2 | First experiment of virtual world generation completed for robotic simulator **+6 months: rationale > late start of ESR and IP issues with the case study** | LAAS (Luca) | Report available | **M 19 (May 20)** *M 13 (Nov. 19)* |
| MS2.3 | Statistical V&V framework for EMI analysis completed | KU Leuven (Hassan) | Simulation framework available | M 22 (Aug. 20) |
| MS2.4 | Complete prototype tooling for situation coverage testing available and working for a small example | University of York (Zaid) | Description of tools available | M 26 (Dec. 20) |

## WP2: Providing evidence for autonomous systems

### Actions/Summary + AOB

- **ESR6 Luca**
  - Research slowed down due to COVID-19
    - Has to do experiments in the lab, but up to now quite some restrictions for doing so.
    - Many people stay at home, including technical support.
    - Experimental part is important element in PhD.
- **ESR7 Zaid**
  - Secondment at LAAS delayed
    - Suggestion Hélène: replan strategy about what to learn at LAAS.
    - Virtual secondment?
  - Experience around simulations tools lacking now.
  - Would need extension for Milestone 2.4 and Deliverable 2.4.
  - Framework is ok, but learning about simulation tools is missing.
  - Would return to the UK withing 2-3 week (Mid July, 2020)

## WP2: Providing evidence for autonomous systems

**Actions/Summary + AOB**

- **ESR8 Ahmad**
  - No problem from administration point of view
  - Foreseen secondment in November at RH Marine → still planned.
  - Bit slowed down due to COVID-19 due to home work. Less informal discussions with internal people at Bosch.
- **ESR9 Hassan**
  - Progress still going well, mostly doing simulations.
  - Secondment at York was shortened, could go back at the end of the year if still meaningful.
- **AOB**
  - MS 2.4 should be postponed with 6 months (end of June 2021) due to delayed secondment (COVID-19).

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## WP3: Providing Assurance Strategies

**ESRs**

- ESR10: Fang Yan (University of York)
- ESR11: Vibhu Gautam (University of York)
- ESR12: Tianlei Miao (RH Marine)
- ESR13: Haris Aftab (University of York)
- ESR14: Luis-Pedro Cobos (Horiba-MIRA)
- ESR15: Orian Dheu (KU Leuven)

**Supervisors**

- Simon Foster - UoY
- (Rob Alexander – UoY)
- Ehab el Amam - RH Marine
- Ibrahim Habli - UoY
- *Alastair Ruddle - Horiba-MIRA*
- Peggy Valcke - KU Leuven
- Representatives of LR, Equinor, Airbus and PMT

## WP3: Providing Assurance Strategies

### Tasks

| No. | Title | ESR |
|-----|-------|-----|
| T3.1 | From static assurance cases at design-time to executable assurance cases at run-time | Fang Yan |
| T3.2 | Assurance case structures for machine learning in the decision making of highly autonomous systems | Vibhu Gautam |
| T3.3 | Assuring autonomous sailing from A tot B while minimizing operational costs | Tianlei Miao |
| T3.4 | Safety assurance for Clinical Conversational Bots | Haris Aftab |
| T3.5 | Dependability Assurance for Vehicle Autonomy | Luis Pedro Cobos |
| T3.6 | Between Safety and Liability: Towards a Liability Allocation Framework for Safe Autonomous Systems | Orian Dheu |

June 30 – July 3, 2020

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## WP3: Providing Assurance Strategies

### Deliverables D3.1 – 3.2 – 3.3

| No. | Title | Lead | Type | Diss. Level | Due Date |
|-----|-------|------|------|-------------|----------|
| D3.1 | Literature review of safety challenges associated with the use of intelligent conversational bots<br>**+8 months: rationale > program logic** | University of York (Haris) | Report | public | **M 21 (July 20)**<br>*M 13 (Nov. 19)* |
| D3.2 | Report on executable safety assurance case models for autonomous drilling use-case<br>**+3 months: rationale > depending on secondment timing** | University of York (Fang) | Report | public | **M 27 (Jan 21)**<br>*M 24 (Okt. 20)* |
| D3.3 | Documented assurance case patterns for ML in autonomous vehicles<br>**+4 months: rationale > depends on secondment timing at Horiba-MIRA for ESR11** | University of York (Vibhu) | Report | public | **M 34 (Aug. 21)**<br>*M 30 (Apr. 21)* |

June 30 – July 3, 2020

## WP3: Providing Assurance Strategies

### Deliverables D3.4 – 3.5 – 3.6

| No. | Title | Lead | Type | Diss. Level | Due Date |
|-----|-------|------|------|-------------|----------|
| D3.4 | Publication on bottlenecks and inconsistencies in the existing liability regimes when applied to autonomous systems and proposed new criteria for liability allocation<br>**+2 months: rationale > program logic** | KU Leuven (Orian) | Report | public | **M 36 (Okt. 21)**<br>*M 34 (Aug. 21)* |
| D3.5 | Report on simulation environment comprising algorithms for optimization, situational awareness and collision avoidance<br>**+12 months: rationale > recruitment delays (RH Marine)** | RH Marine (Tianlei) | Report | public | **M 48 (Okt. 22)**<br>*M 36 (Okt. 21)* |
| D3.6 | Report on pilot demonstration of the common framework for developing wider dependability assurance cases<br>**+8 months: rationale > recruitment delays (Horiba-MIRA)** | Horiba – MIRA (Luis-Pedro) | Report | public | **M48 (Okt. 22)**<br>*M 40 (Feb. 22)* |

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

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## WP3: Providing Assurance Strategies

### Milestones MS3.1 – 3.2 – 3.3

| No. | Title | Lead | Means of verific. | Due Date |
|-----|-------|------|-------------------|----------|
| MS3.1 | Documented set of vehicle use cases for assurance case structures incorporating machine learning<br>**+9 months: rationale > depends on secondment timing at Bosch for ESR11** | University of York (Vibhu) | Report available | **M 21 (July 20)**<br>*M 12 (Okt. 19)* |
| MS3.2 | Review of relevant techniques from functional safety, cyber security, dependability, etc.<br>**+9 months: rationale > recruitment delays (Horiba-Mira)** | Horiba – MIRA (Luis-Pedro) | Overview list available | **M 21 (July 20)**<br>*M 12 (Okt. 19)* |
| MS3.3 | Bottlenecks and inconsistencies in the existing liability regimes when applied to autonomous systems identified<br>**+10 months: rationale > program logic** | KU Leuven (Orian) | Report available | **M 28 (Feb. 21)**<br>*M 18 (Apr. 20)* |

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

## WP3: Providing Assurance Strategies

### Milestones MS3.4 – 3.5 – 3.6

| No. | Title | Lead | Means of verific. | Due Date |
|-----|-------|------|-------------------|----------|
| MS3.4 | Safety concept and architectural strategies for clinical conversational bots **+12 months: rationale > program logic** | University of York (Haris) | Report available | **M 37 (Nov. 21)** *M 25 (Nov. 20)* |
| MS3.5 | Situational and collision avoidance algorithms finalized **+12 months: rationale > recruitment delays (RH Marine)** | RH Marine (Tianlei) | Algorithms implemented and tested | **M 40 (Feb. 22)** *M 28 (Feb. 21)* |
| MS3.6 | Run-time Assurance Engine using executable structured assurance case meta-models completed **+2 months: rationale > recruitment delays** | University of York (Fang) | Assurance engine available | **M 33 (July 21)** *M 31 (May 21)* |

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## WP3: Providing Assurance Strategies

### Actions/Summary + AOB

- **Deliverable 3.2 (Fang):** exact delivery date uncertain due to postponed secondment.
- **Deliverable 3.3 (Vibhu):** uncertainty, due to postponed secondment, MIRA review could be done remotely, perhaps?
- **Milestone 3.1 (Vibhu):** uncertain, requires access to Bosch data.
- **Milestone 3.2 (Luis-Pedro):** 2 month delay requested due to COVID-19.

**Safer Autonomous Systems**

| 23 | WP Parallel Sessions: Summary |
|----|-------------------------------|

16:15-16:30 (BST)          17:15-17:30 (CEST)

Annex 8

PPT Presentation "Conclusions of the NWE + next steps" July 2, 2020

CONCLUSIONS OF THE MEETING
PROJECT NEXT STEPS

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.788

MSCA-ETN SAS Network Wide Event 2
June 30 – July 3, 2020  - Online Event

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# SAS Network-Wide Event 2
# Agenda Day 4 – Online Meetings

**2**

**THURSDAY 02.07.2020 – Day 3: ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team**

| Time (BST) | Time (CEST) | Agenda Item | | Participants | Online |
|---|---|---|---|---|---|
| 9:00 - 10:45 | 10:00 - 11:45 | ESR8-11 presentations + feedback (25 min each) | | Consortium members + ESRs | Meeting Link Joining instructions |
| 11:00 - 12:45 | 12:00 - 13:45 | ESR12-15 presentations + feedback (25 min each) | | | |
| 13:45 - 14:45 | 14:45 - 15:45 | Supervisory Board Meeting | | **Consortium members + Luca** | **Separate private link** |
| 15:00 - 16:00 | 16:00 - 17:00 | WP Parallel Sessions: 3 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 |
| 16:15 - 16:30 | 17:15 - 17:30 | WP Overview Parallel Sessions: Summary | | Consortium members + ESRs | Meeting Link Joining instructions |
| 17:00 - 17:30 | 18:00 - 18:30 | Conclusions of the meeting + project next steps | | | |

**FRIDAY 03.07.2020 – Day 4: ESRs + Optional: Management Support Team + Supervisors & their colleagues**

| Time (BST) | Time (CEST) | Agenda Item | Participants | Online |
|---|---|---|---|---|
| 9:30 - 10:30 | 10:30 - 11:30 | S/T Training: *"Human Factors and Ethics for Autonomous Systems  " (TBD)* | ESRs and those interested | Meeting Link Joining instructions |
| 11:00 - 12:30 | 12:00 - 13:30 | S/T Training: *"Formal Verification of Autonomous Systems" (Simon Foster)* | ESRs and those interested | |
| 15:15 - 16:30 | 16:15 - 17:30 | Communication strategy and Intranet PODIO evaluation | ESRs, CM and PM | |

MSCA-ETN SAS NWE 2                                           June 30 – July 3, 2020

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

**17:00-17:30 (BST)**     **18:00-18:30 (CEST)**

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# WP1-3 Parallel Sessions

**4**

- Actions + outcome of the sessions: send to the PM
- S/T Coordinator Dries Vanoost will follow up
  - Through short Skype 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 Skype will be continued from September 2020: all ESRs within each WP + the WP leader

# DELIVERABLES AND MILESTONES

- Deviaton of Deliverables and milestones: more detailed information is needed why delayed, specify due dates, clarification why and how. **MITIGATION PLAN >>> ACTION PLAN**
- Based on outcome WP parallel sessions
- Formal notifications regarding these changes are necessary through the EC Participant Portal in order to further align with the Action Plan as stated in the SAS Proposal

MSCA-ETN SAS NWE 2                                    June 30 – July 3, 2020

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# (First) Secondments

- **SECONDMENTS PLAN**:
  - Planned/foreseen/delayed secondments this year
  - Proposed changes and corresponding justification for the changes
  - **NEW Secondment Plan needed for the next coming year**
  - **Responsibility of each ESR to make this Secondment Plan for the next coming year (until July 2021)**
  - Align the secondment timings with the institutions hosting secondments and communicate with management team because we need to justify everything towards the EC REA

MSCA-ETN SAS NWE 2                                    June 30 – July 3, 2020

## Some Important Homework…

- **SECONDMENTS PLAN: responsibility of each ESR in dialogue with his/her supervisor.**
  - **Deadline for sending Secondments Plan: August 31, 2020**
- Impact of COVID-19 crisis: please inform SAS Management Team regarding any issues/difficulties that might occur so we can take contingency measures and align everything with the Project Officer.

MSCA-ETN SAS NWE 2        June 30 – July 3, 2020

## PCDP

- Progress reports of the PCDPs to Supervisory Board are a recurring Deliverable.
- All recruited ESRs need to **update their PCDP**, in dialogue with their supervisors, and send their **updated and signed PCDP** to Stephane **no later than July 10, 2020.**

MSCA-ETN SAS NWE 2        June 30 – July 3, 2020

# SAS Project Visual Identity
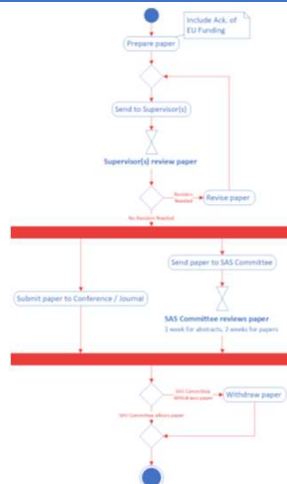
**EU funding acknowledgement**

This project has received funding from the European Union's
EU Framework Programme for Research and Innovation
Horizon 2020 under Grant Agreement No. 812.788

June 30 – July 3, 2020



# Paper Presubmission Procedure

June 30 – July 3, 2020

# Conf Call September 2020 + Next Network-Wide Event

- **Conference Call with SAS Consortium:**
  - **September 2020**
  - Doodle will be sent out to set the exact date.

- **SAS NWE 3 in Munich** (GE) @ Fraunhofer: 5 days
  - Final Dates: **November 16-20, 2020**
  - Will be organized physically (until further notice)
  - More information will be sent out in September after the Conference Call.

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

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# REPORT NWE + ACTION ITEMS

- Network-Wide Event 2 Report + Action items will be sent out to all SAS Consortium members
- Please follow up the action items

MSCA-ETN SAS NWE 2

June 30 – July 3, 2020

Special thanks to the people from the University of York for organizing this Network-Wide Event through ZOOM Online Meetings and for organizing the Soft-Skill and S/T Training Sessions.

Thank you all for attending this second Network-Wide Event and looking forward to seeing you all (hopefully) **PHYSICALLY** in Munich at our next Network-Wide Event in November 2020.

Annex 9

PPT Presentation "Communication strategy and Intranet PODIO evaluation"
July 3, 2020

# Safer Autonomous Systems

EU H2020 MSCA-ETN SAS
NETWORK-WIDE EVENT 2
JUNE 30 – JULY 3, 2020 – ONLINE EVENT

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.788

**Friday July 3, 2020: Day 4**

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# SAS Network-Wide Event 2
# Agenda Day 4 – Online Meetings

## Safer Autonomous Systems

**2**

**THURSDAY 02.07.2020 – Day 3: ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team**

| Time (BST) | Time (CEST) | Agenda Item | | Participants | Online |
|---|---|---|---|---|---|
| 9:00 - 10:45 | 10:00 - 11:45 | ESR8-11 presentations + feedback (25 min each) | | Consortium members + ESRs | Meeting Link Joining instructions |
| 11:00 - 12:45 | 12:00 - 13:45 | ESR12-15 presentations + feedback (25 min each) | | | |
| | | | | | |
| 13:45 - 14:45 | 14:45 - 15:45 | Supervisory Board Meeting | | **Consortium members + Luca** | **Separate private link** |
| | | | | | |
| 15:00 - 16:00 | 16:00 - 17:00 | WP Parallel Sessions: 3 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 |
| | | | | | |
| 16:15 - 16:30 | 17:15 - 17:30 | WP Overview Parallel Sessions: Summary | | Consortium members + ESRs | Meeting Link Joining instructions |
| 17:00 - 17:30 | 18:00 - 18:30 | Conclusions of the meeting + project next steps | | | |

| FRIDAY 03.07.2020 – Day 4: ESRs + Optional: Management Support Team + Supervisors & their colleagues | | | | | |
|---|---|---|---|---|---|
| Time (BST) | Time (CEST) | Agenda Item | | Participants | Online |
| 9:30 - 10:30 | 10:30 - 11:30 | S/T Training: "*Human Factors and Ethics for Autonomous Systems* " (TBD) | | ESRs and those interested | |
| 11:00 - 12:30 | 12:00 - 13:30 | S/T Training: "*Formal Verification of Autonomous Systems*" (Simon Foster) | | ESRs and those interested | Meeting Link Joining instructions |
| 15:15 - 16:30 | 16:15 - 17:30 | Communication strategy and Intranet PODIO evaluation | | ESRs, CM and PM | |

MSCA-ETN SAS NWE 2                                                    June 30 – July 3, 2020

1

# Safer Autonomous Systems

**3** | **Communication strategy, Intranet PODIO and Online Network-Wide Event evaluation + next steps**

**15:15-16:30 (BST)**     **16:15-17:30 (CEST)**

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## Agenda

**4**

- ☐ Administrative items to follow-up after this Event
- ☐ Project Deliverables 2020
- ☐ ESR Council: output/report
- ☐ SAS Template
- ☐ Paper Pre-submission Procedure
- ☐ WP Intermediate Discussions
- ☐ Communication strategy + PODIO
- ☐ Network-Wide Event 2
- ☐ Next Network-Wide Event
- ☐ AoB

# Administrative items to follow-up after this Event

- ☐ Updated and signed PCDPs:
  - ☐ please send to me before July 10, 2020.
- ☐ Ethical self-assessment:
  - ☐ please send to me before July 10, 2020.
- ☐ ESR presentations Online NWE2: final version…
- ☐ NWE2: Training Sessions Presentations will be available through PODIO. Video recordings will be available through Belnet Filesender.
- ☐ Secondments Plan:
  - ☐ please send to me before August 31, 2020.

---

# Project Deliverables 2020

- ☐ Deliverable 4.13 (Ahmad): DATE ASD 2020
  - ☐ please send small report (2-3 pages) to me asap.
- ☐ Deliverable 3.1(Haris): due date July 31, 2020.
  - ☐ please send to me before July 25, 2020.
- ☐ Deliverable 1.1(Raul): due date October 31, 2020.
  - ☐ please send to me before October 25, 2020.
- ☐ Scientific/Technical Deliverable >> please ask Luca for more info if needed.

## Deliverables and Milestones

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

☐ Based on outcome WP parallel sessions

☐ Formal notifications regarding these changes are necessary through the EC Participant Portal in order to further align with the Action Plan as stated in the SAS Proposal

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## ESR Council Online NWE2

☐ Any further comments/remarks?
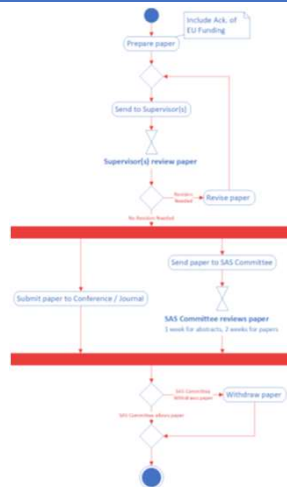
☐ Outcome/report…

## SAS Template

- ☐ Comments/remarks/suggestions…

## Paper Pre-submission Procedure

## Paper Presubmission Procedure: Open Access

Each beneficiary of the EC must ensure Open Access to all peer-reviewed scientific publications relating to the results of the funding at the latest 6 to 12 months after publication (Art. 29.2 of the Model Grant Agreement).

For more specific information:

presentation from Hannelore Vanhaverbeke

(KU Leuven) on PODIO

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## WP1-3 Intermediate Discussions

- ☐ S/T Coordinator Dries Vanoost will follow up
  - ☐ Through short Skype 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 Skype will be continued from September 2020: all ESRs within each WP + the WP leader

# WP1-3 Intermediate Discussions

13

□ Let's evaluate the Parallel Sessions from this year…

  ◘ **Breakout room/WP for 10'**
  - ■ What did you think about the setup?
  - ■ Same timeframes from September on? 1 Session/month
  - ■ Suggestions/ideas for the next presentations (time to present/flow of the intermediate sessions?

□ **See/hear you all back within 10'**

---

# WP1-3 Intermediate Discussions

14

□ Output from the breakout session
  - ◘ WP1
  - ◘ WP2
  - ◘ WP3

# Communication Strategy + PODIO

**15**

- ☐ Let's evaluate the Communication Strategy – SAS Social Media + PODIO:
  - ▫ **Breakout room/WP for 15'**
    - ■ How do you think SAS Social Media is going so far?
    - ■ How much are you involved in SAS Social Media?
    - ■ How can we achieve more SAS Visibility?
    - ■ What do you think about PODIO?
    - ■ How often do you use PODIO?
    - ■ Suggestions for improvement of PODIO?
    - ■ …

- ☐ **See/hear you all back within 15'**

---

# Communication Strategy + PODIO

**16**

- ☐ Output from the breakout session
  - ▫ WP1
  - ▫ WP2
  - ▫ WP3

# Network-Wide Event 2

**17**

- ☐ Let's evaluate this Online Network-Wide Event:
  - ◻ **Breakout room/WP for 10'**
    - ▪ 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 was the Social Activity?
    - ▪ …

- ☐ **See/hear you all back within 10'**

# Network-Wide Event 2

**18**

- ☐ Output from the breakout session
  - ◻ WP1
  - ◻ WP2
  - ◻ WP3

# Next Network-Wide Event

- **SAS NWE 3 in Munich** (GE) @ Fraunhofer: 5 days
  - Final Dates: **November 16-20, 2020**
  - Will be organized physically (until further notice).
  - More information will be sent out in September after the Conference Call with SAS Consortium.
  - @Yuan/João: please align with Mario and Ralf.
  - @ESRs: if visa required for attending this NWE, please apply as soon as possible.

---

# AoB

Annex 10

SAS NWE II Survey Form

🏠 Home / MSCA ETN SAS NWE 2 Online Project Meetings – Survey Form

# MSCA ETN SAS NWE 2 Online Project Meetings – Survey Form

Please fill in the Survey Form to provide us your feedback on the project meetings of the MSCA ETN SAS NWE 2, which took place online through ZOOM meetings on July 1-2, 2020.

Regarding the scores: 1 = Poor, 5 = Excellent

## Project Meetings

**How satisfied were you with the provided progress report?** *

○ 1          ○ 2          ○ 3          ○ 4          ○ 5

**How satisfied were you with the individual ESR presentations?** *

○ 1          ○ 2          ○ 3          ○ 4          ○ 5

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

○ 1          ○ 2          ○ 3          ○ 4          ○ 5

**General Comments or Notes regarding the project meetings?**

```
[                                                  ]
[                                                  ]
[                                                  ]
[                                                  ]
```

## Online Meetings

**How satisfied were you using ZOOM as online meeting platform?** *

○ 1          ○ 2          ○ 3          ○ 4          ○ 5

### RECENT POSTS

Machine Learning in a Nonlinear World: a Linear Explanation through the Domain of the Autonomous Vehicles
🕔 5 hours ago

Raul (ESR1) wins SAFECOMP 2020 student grant
🕔 July 27, 2020

SAS Network Wide Event II at the time of Covid-19 Pandemic – Online edition
🕔 July 17, 2020

How to boost your energy levels and maintain your well-being
🕔 July 13, 2020

SAS NWE II 30/06 – 03/07 @ Zoom by UoY
🕔 June 30, 2020

### SAS PROMO VIDEO

M    MSCA European Trai...    ⋮

▶

▶  00:00                    02:05  🔊  ⛶

RELATED PROJECTS