



# FuSE Workshop

after the game is before the game

02 MAR 2023

# Agenda.

### Retrospective

#### **Administration & Collaboration**

- FuSE email and inputs
- Roles
- Communication channels
- FuSE meetings & Team-up
- Smartsheet & To-do's

#### **Upcoming Events**

- Webinar Series
- INCOSE Events





## Fox-o-meter

How are you feeling today?

















## Fox-o-meter

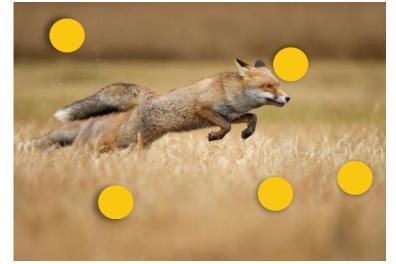
How are you feeling today?













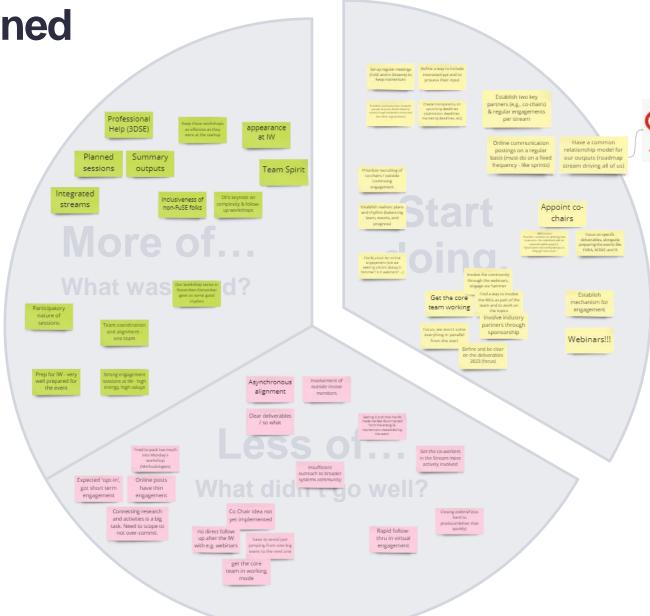
# Retrospective.





**Lessons Learned** 

Photo Documentation







## Lessons Learned - Setup and Launch Phase of FuSE

#### More of...

- Professional Help (3DSE)
- Keep these workshops as effective as they were at the startup
- appearance at IW
- Planned sessions
- Summary outputs
- Team Spirit
- Integrated streams
- · Inclusiveness of non-FuSE folks
- Oli's keynote on complexity & follow-up workshops
- Our workshop series in November/December gave us some good rhythm
- · Participatory nature of sessions
- Team coordination and alignment one team
- Prep for IW very well prepared for the event
- Strong engagement sessions at IW high energy, high valuye

#### Less of...

- Asynchronous alignment
- · Involvement of outside INCOSE members
- Clear deliverables / so what
- Getting ill and miss the IW made me feel disconnected from the energy & momentum created during the event
- Tried to pack too much into Monday's workshop (Methodologies)
- Get the co-workers in the Stream more actively involved
- Insufficient outreach to broader systems community
- Expected 'opt-in', got short term engagement
- Online posts have thin engagement
- · Co Chair idea not yet implemented
- Connecting research and activities is a big task. Need to scope to not over-commit.
- Closing out brief (too hard to produce/deliver that quickly)
- no direct follow up after the IW with e.g. webinars
- Rapid follow-thru in virtual engagement
- have to avoid just jumping from one big event to the next one
- · get the core team in working mode

#### Start doing.

- Set-up regular meetings (FuSE and in Streams) to keep momentum
- · Define a way to include interested ppl and to process their input
- Establish two key partners (e.g., co-chairs) & regular engagements per stream
- Establish communication channels outside of INCOSE (FuSE linked-in, contact to ppl involved in INCOSE but also other organizations)
- Create transparency on upcoming deadlines (submission deadlines, marketing deadlines, etc.)
- Online communication postings on a regular basis (must-do on a fixed frequency like sprints)
- Have a common relationship model for our outputs (roadmap stream driving all of us)
- · Prioritize recruiting of co-chairs / outside continuing engagement
- Appoint co-chairs
- Establish realistic plans and rhythm (balancing team, events, and progress)
- V&R stream:
- Prioritize activities on defining how to process the submitted add-on materials (white papers) .
- · Synchronize stream Roadmaps as they get more ature
- Focus on specific deliverables, alongside preparing the events like EMEA, AOSEC and IS
- Clarify vision for online engagement (are we seeking vibrant dialog in Yammer? is it webinars? ...)
- Involve the community through the webinars, engage via Yammer
- · Get the core team working
- Find a way to involve the WGs as part of the team and to work on the topics
- Establish mechanism for engagement
- Involve industry partners through sponsorship
- · Focus, we won't solve everything in parallel from the start
- Webinars!!!
- Define and be clear on the deliverables 2023 (focus)

# Administration & Collaboration.

- FuSE email and inputs
- Roles
- Communication channels
- FuSE meetings & Team-up
- Smartsheet & To-do's

# Email address and input.



## **FuSE Email Address**

FuSE@incose.net

- Email Address: <u>FuSE@incose.net</u>
- Forwarded to (for now): Bill, Martina, Stephan
- FuSE Committee (INCOSE internal group)
  - Bill: Future of Systems Engineering (FuSE) Program Lead
  - Paul Schreinemakers: Future of Systems Engineering (FuSE) Vision & Roadmaps Lead
  - Oli de Weck: Future of Systems Engineering (FuSE) Foundations Lead
  - Chris Hoffman: Future of Systems Engineering (FuSE) Methodologies Lead
  - Tom Strandberg: Future of Systems Engineering (FuSE) Application Extensions Lead
  - Martina Feichtner: Future of Systems Engineering (FuSE) PMO
  - Stephan Finkel: Future of Systems Engineering (FuSE) PMO

#### **Workflow / Next Steps**



- Martina to include Email on Webpage
- No automatic reply
- Anticipated reply between 1 week (direct answer, redirect, defer, ...)
- Answering process to be organized between Bill, Stephan, and Martina
- In the future: establishment of a FAQ element or action item tracking

⚠ Important when answering to a FuSE Email:

Use "Reply All" or CC <u>FuSE@incose.net</u> to create transparency on status per email.

# Why do we need to define this process input?

- We don't lose input we get from many different sources
- We ensure to give qualified feedback to the input provider
- We are able to process input we "stumble across"





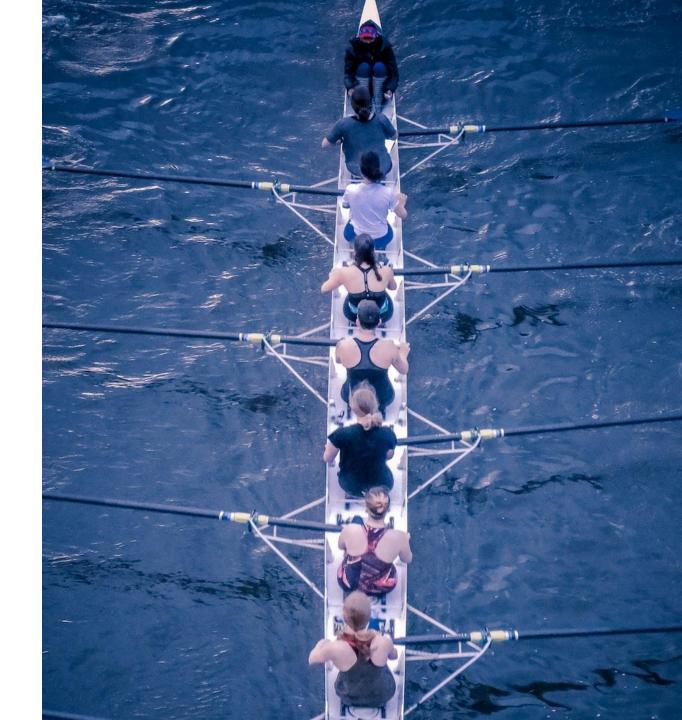
## How to process with input

Collect	Allocate	Process
<ul> <li>Add input (incl. link) to "input tracking" list on Smartsheet</li> <li>If required, reply to input provider</li> <li>Possible Sources</li> <li>FuSE Email</li> <li>Privat Email</li> <li>Yammer</li> </ul>	<ul> <li>Discussion of newly added input in tracking list in team meeting</li> <li>Decision on responsibility of proceeding with input</li> </ul>	<ul> <li>Discuss input in next stream meeting</li> <li>Decide on next steps regarding the input</li> <li>Reach out to provider to share next steps</li> </ul>
<ul><li>LinkedIn</li><li>Events</li><li></li></ul>		
Action Item:		

# Roles.

# Why do we need to define different roles?

- Don't be an inclusive club
- Don't forget people that show interest (e.g., names we got from IW)
- Ensure to define measures to involve roles
- Identify responsibilities







## FuSE roles (1/2)

Who they are and what they do.

Leader / Core Team	Stream Team	Extended Team	Community of Practice
<ul> <li>Who:</li> <li>Program Lead</li> <li>Stream Leads</li> <li>PMO</li> <li>Responsibilities &amp; meetings:</li> <li>Driver for key content in FuSE and their progress</li> <li>Owner of sessions at conferences</li> <li>Owner of stream sessions</li> <li>Level: FuSE overall</li> </ul>	<ul> <li>Who:</li> <li>Everyone committed to actively participate in FuSE</li> <li>Selected Working Group representatives</li> <li>Responsibilities &amp; meetings:</li> <li>Content contribution to the streams</li> <li>Participating in regular stream meetings</li> <li>Facilitation of stream sessions at conferences &amp; webinars</li> <li>Level: Streams</li> </ul>	<ul> <li>Who:</li> <li>Everyone committed to participate in FuSE or FuSE sub-topics</li> <li>Working Groups</li> <li>Responsibilities &amp; meetings:</li> <li>Participating in stream sessions at conferences &amp; webinars</li> <li>Owner of work packages</li> <li>Impulses and contribution to Stream content</li> <li>Level: Streams</li> </ul>	<ul> <li>Who: Everyone interested in FuSE</li> <li>Responsibilities &amp; meetings: <ul> <li>Participating in stream</li> <li>sessions at conferences &amp; webinars</li> <li>Engagement via YAMMER, external Social Media, Newsletter, etc.</li> </ul> </li> <li>Level: Streams</li> </ul>





## FuSE roles (2/2)

Who they are and what they do.

Sponsors	Executive Team
<ul> <li>Who:</li> <li>Corporations who are interested in FuSE / FuSE outcomes and provides sponsorship</li> <li>Responsibilities &amp; meetings:</li> <li>Provides sponsorship</li> <li>Impulses, feedback (industry validation)</li> <li>Exchange</li> <li>Level: FuSE or Stream</li> </ul>	<ul> <li>Who:</li> <li>Executive Team</li> <li>Responsibilities &amp; meetings:</li> <li>Provide input and guidance,</li> <li>strategic directions</li> <li>Reporting and escalation</li> <li>Level: FuSE</li> </ul>



"willingness to pay"



## **Current Stream Teams**

Vision & Roadmaps: Paul	Foundations: Oli	Methodologies: Chris	Application Extensions: Tom
<ul> <li>Sandy Friedenthal</li> <li>Gary Roedler</li> <li>Tony Williams</li> <li>David Endler</li> <li>Joris v.d. Aker</li> <li>Terie Fossnes</li> </ul>	Joshua Sutherland	Tom McDermott	<ul> <li>Mike Watson</li> <li>Erika Palmer</li> <li>Jenniver Russell</li> <li>Marcel van de Ven</li> <li>Ben Mogridge</li> <li>Anne O'Neil</li> <li>Mo Mansouri</li> <li>Mike Delamare</li> </ul>
<ul> <li>Geethesh Kukkala</li> <li>Jeff Anderson</li> <li>Ryan Noguchi</li> <li>Mark Winstead</li> <li>Ray Wolfgang</li> <li>Cynthia Dean</li> <li>Jean-Luc Garnier</li> <li>Steve Sill</li> </ul>			<ul><li>Dale Brown</li><li>Mona Humes</li></ul>
			Action Item:  Program leads to reach out to
			IW participants to ask about

# Communication Channels.

# Why do we need to define communication channels?

- Efficient communication / flood of emails
- Conscious usage of our channels
- Uniformed external appearance
- How to find which kind of information
- Awareness to regularly check different channels





## FuSE communication channels (1/2)

And how to use them.

E-Mail	Teams Channel	Yammer
Scope: -	Scope: FuSE Team	Scope: INCOSE
<ul> <li>Aligned / agreed information</li> <li>No broader discussions with large group of people</li> <li>Stay consistent, one topic per mail</li> </ul>	<ul> <li>Discussion with the team / sub team</li> <li>Discussion within one thread</li> <li>Stay consistent, one topic per thread</li> <li>Tag relevant team members in order for them to get notified</li> </ul>	<ul> <li>Engagement within INCOSE</li> <li>Sharing results</li> <li>Encourage engagement</li> <li>Stay consistent, one topic per post</li> </ul>



## FuSE communication channels (2/2)

And how to use them.

#### **Web Page**

Scope: inside & outside of INCOSE

- Information on FuSE
- Information on engagement possibilities (webinars, events, etc.)
- Identify rhythm of update

Focus on limited, selected communication channels to keep management effort manageable

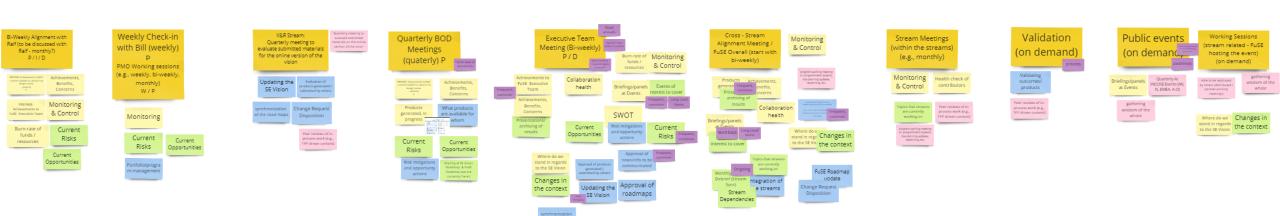
# FuSE Meetings Recap.





## Overview of required FuSE meetings

Miro brainstorming





## **Alignment Meeting with Ralf**

Meeting One-Pager

Action Item: Bill to invite to regular meeting

Purpose: Regular exchange with Ralf on program status and

#### Generic agenda (to be adapted if needed)

	Topics	Progress / Info / Decision / Working	Owner	Duration [min]
1	Program status update and program management	Р	Bill	15
2	Optional: Decisions and approvals	D	Bill	15
3	Input / open topics from management	I	Ralf	15
4	Optional: Preparation for BoD / Execution Team	Р	Bill	15

#### **Participants**

#### **Meeting Owner**

Bill

#### Mandatory

- Ralf

#### **Optional**

- 3DSE
- Team Leads

#### **Content / Results**

- Program updates
- Taken decisions & approvals
- Awareness on INCOSE management activities

#### Frequency/ duration

Frequency: Bi-weekly **Duration: 30 min** 

> This regular meeting does not displace ad-hoc meetings on urgent topics





## **Program Management Meeting "Check-in"**

Meeting One-Pager

Purpose: Program management

#### Generic agenda

	Topics	Progress / Info / Decision / Working	Owner	Duration [min]
1	Monitoring of program progress	P/I	Bill	15
2	Work on PMO tasks	W	Bill	15
3	Plan & schedule upcoming meetings	D	Bill	15

#### **Participants**

#### **Meeting Owner**

- PMO (3DSE)

#### Mandatory

- Bill

**Optional** 

#### **Content / Results**

Program management

#### Frequency/ duration

Frequency: Weekly (currently)

**Duration**: 0,5h





## **Program Management Working Meeting "Check-out"**

Meeting One-Pager

Action Item: Martina to change to bi-weekly rhythm

Purpose: Program management

#### Generic agenda

	Topics	Progress / Info / Decision / Working	Owner	Duration [min]
1	Monitoring of program progress	P/I	Bill	15
2	Work on PMO tasks	W	Bill	15
3	Plan & schedule upcoming meetings	D	Bill	15

#### **Participants**

#### **Meeting Owner** - PMO (3DSE)

#### **Mandatory**

- Bill

Optional

#### **Content / Results**

Program management

#### Frequency/ duration

Frequency: bi-weekly, alternating with FuSE

program meeting **Duration: 1**,5h



## **Executive Team Meeting**

Meeting One-Pager

Action Item: Bill to invite to regular meeting

Purpose: Steering from Executive Team

#### Generic agenda

	Topics	Progress / Info / Decision / Working	Owner	Duration [min]
1	Program status update and program management	Р	Bill	25
2	Information on upcoming events	I	Bill	10
3	Decisions and approvals	D	Bill	25

#### **Participants**

#### **Meeting Owner**

- Bill

#### **Mandatory**

- Stream Leads
- **Executive Team**

#### **Optional**

#### **Content / Results**

- Program updates
- Taken decisions & approvals

#### Frequency/ duration

Frequency: Monthly

Duration: 1h



## **FuSE Program Meetings**

Meeting One-Pager

Action Item: Martina to invite to meeting

Purpose: Cross-Stream FuSE Alignment

Generic agenda
----------------

	Topics	Progress / Info / Decision / Working	Owner	Duration [min]
1	Program status update and program management	Р	Bill	10
2	Exchange on program progress	I	Stream Lead	20
3	Communication & outreach	I/D	Bill / Marketing	15
4	Optional: Work on overarching tasks and decisions	W/D	Bill	45

#### **Participants**

#### **Meeting Owner**

- Bill

#### **Mandatory**

- Stream Leads

#### **Optional**

- Marketing representative

#### **Content / Results**

- Program updates
- Exchange on stream activities
- Communication / outreach measures
- Work results

#### Frequency/ duration

Frequency: Bi-weekly

Duration: 2h





## **Vision & Roadmap Update Meeting**

Meeting One-Pager

Purpose: Evolvement of SE Vision 2035

#### Generic agenda

	Topics	Progress / Info / Decision / Working	Owner	Duration [min]
1	Peer review of in-process work	W	Paul	30
2	Evaluation of change requests and submissions	D	Paul	20
3	Synchronization of roadmaps	D	Paul	20
4	Decision on updates	D	Paul	20

#### **Participants**

#### **Meeting Owner**

Paul

#### Mandatory

V&R Stream Team

#### **Optional**

#### **Content / Results**

- Decision on Vision & Roadmap updates

#### Frequency/ duration

Frequency: Quarterly

Duration: 1,5 h





## **Stream Meeting**

Meeting One-Pager

Purpose: Stream Alignment

Generic agenda
----------------

	Topics	Progress / Info / Decision / Working	Owner	Duration [min]
1	Program status update and program management	Р	Stream Lead	15
2	Exchange on stream topics	I	Stream Lead	30
3	Peer-review of in-process work	D	Stream Lead	15
4	Optional: Work on stream tasks and decisions	W/D	Stream Lead	30

#### **Participants**

#### **Meeting Owner**

Stream Lead

#### Mandatory

Stream Team

#### **Optional**

- Bill

#### **Content / Results**

- Program updates
- Exchange on stream activities
- Work results

#### Frequency/ duration

Frequency: Quarterly

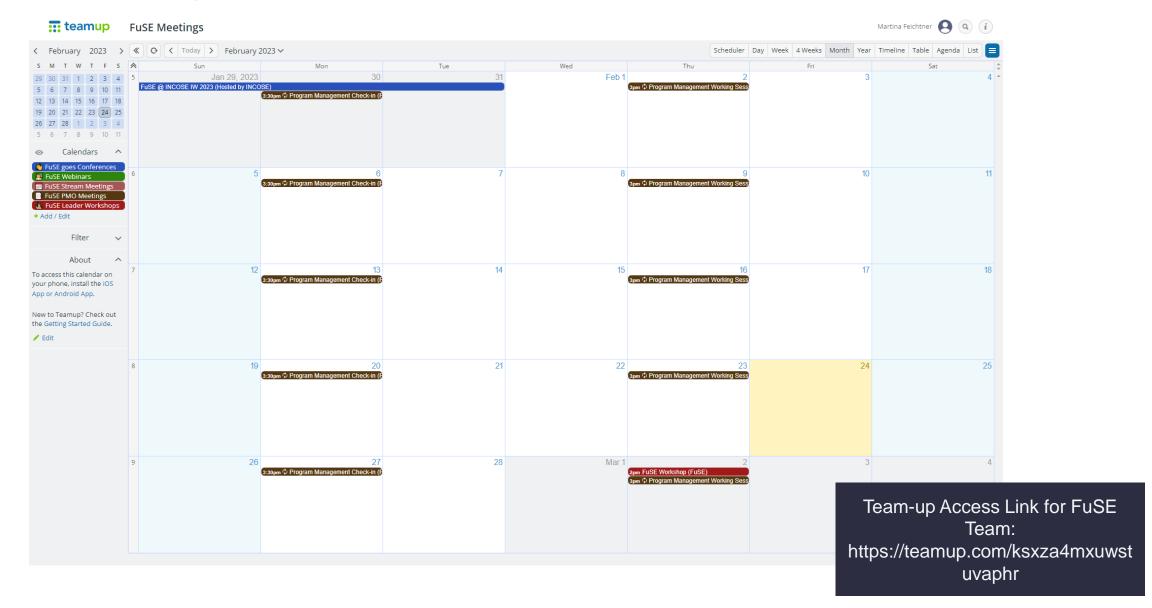
Duration: 1,5 h

# Team-up for FuSE Meetings.





## **FuSE Meeting Landscape**

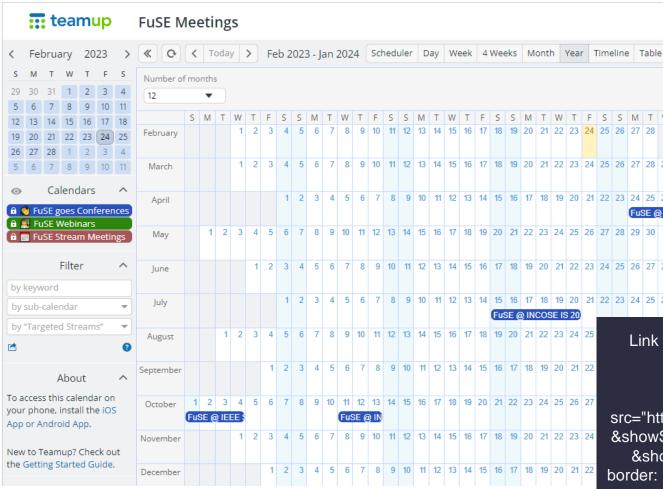




## How to engage with FuSE? – FuSE Calender Set

As shared on FuSE Website.

Where to engage with FuSE.



Link to FuSE calendar for communication and external access: https://teamup.com/ksmjrgcg6swvjtt52g

Q

Embedded link: <iframe

src="https://teamup.com/ksmjrgcg6swvjtt52g?showProfileAndInfo=0 &showSidepanel=1&showAgendaHeader=1&showAgendaDetails=0 &showYearViewHeader=1" style="width: 100%; height: 800px; border: 1px solid #cccccc" loading="lazy" frameborder="0"></iframe>

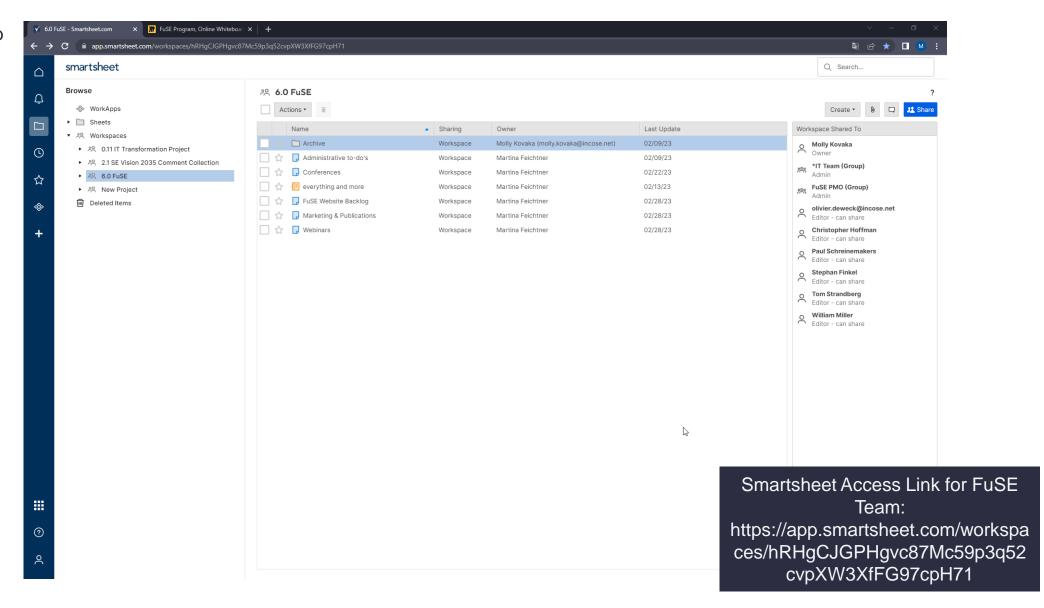
## Smartsheet.





## **Smartsheet**

**Current Setup** 



## Events.

- Webinar Series
- INCOSE Events

## Webinars



## What online session can FuSE offer until EMEA WSEC

#### **IDEAS**

- IW was in-person, what is an IW-like, but virtual optimized experience?
- Webinar: What happened at IW?
- Webinar: What to expect at EMEA / IS / OASEC?
- Cross stream session to synchronize / align new team members
- FuSE webinar series (scheduled with INCOSE events team)

#### **KEY CHARACTERISTICS**

- Online
- Webinars to be promoted 3 weeks in advance
- Possible Objectives:
  - 1: Inform & get feedback on IW
  - 2: Similar experience than IW

Option 1: Participate to hear and give feedback Option 2: Actively work → Pre-read required

- Active setup / Foster engagement
- Prerequisite to participate e.g., information meeting (rather not suitable)

#### **NEXT STEPS**

- Socialize with INCOSE Events Team to share planned WS series → Get scheduling right with events team ( time e.g., 17:00)
- Submit events (and ask for promotional support from marketing)
- LINK: https://app.smartsheet.com/b/form/8755a 0e866854485b7ffb8b9ec9aa02c
- Provide content for information session (CW 8)
- Identify content for stream sessions (CW 9-12) in IW
- Other formats to place FuSE online sessions:
  - INCOSE cafés

#### **Possible Schedule:**

	CW 8	CW 9	CW 10	CW 11	CW 12
WS	Information	Stream 1 (2h)	Stream 2 (2h)	Stream 3 (2h)	Stream 4 (2h)
Cascade	FuSE Overall (2h)	Working Session	Working Session	Working Session	Working Session
Weekly	Content:	Topic:	Topic:	Topic:	Topic:
Sessions	wrap up session	To be identified at IW			

## First FuSE Webinar Series



#### Submit content to event team by MAR 10



#### Photo Documentation









## First FuSE Webinar Series

Date	Topic / Responsibility	Content / Description
CW 13	FusE Overall / Bill	Based on IW
CW 14	Vision & Roadmaps / Paul	Based on IW
CW 15	Methodologies / Chris	Based on IW
CW 16	Application Extensions / Tom	Based on IW
tbd	Foundations / tbd	Based on IW

#### Next Steps and To-Do's:



- Rach out to possible presenters (Tom)
- Create description based on IW / IS and EMEA sessions
- Submit as mini event: (link)
- Create slide deck (based on IW presentation)
- Create miro board

## **INCOSE Events**





## **IS Current Status**

Photo Documentation

#### **Foundations**

Type: Panel / Invited Content Driver: Oli / Bill Title: **Description:** Panelists (optional for now):

#### Methodologies

Type: Panel / Invited Content Driver: Erika + Olivier in Systems Engineering
Panel **Description:** Status: Led by TechOps as part of the panelist or moderator, bu Panelists (optional for now): (SmartCities) Jon Wade Jimmie McEver (potential)

#### **Application Extension**

Type: Panel / Invited Content **Driver: Tom** Title: A Systems Approach to Sustainable Transport and Mobility Solutions **Description:** Panelists (optional for now):







## **IS Current Status**

**Foundations** 

Type: Panel / Invited

Content

Driver: Oli / Bill

Title:

**Description:** 

**Panelists (optional for** now):

Methodologies

Type: Panel / Invited

Content

**Driver: Erika + Olivier** 

Title:

**Description:** 

Panelists (optional for now):

**Application Extension** 

Type: Panel / Invited

Content

**Driver: Tom** 

Title:

**Description:** 

Panelists (optional for now):

Next Steps and To-Do's:



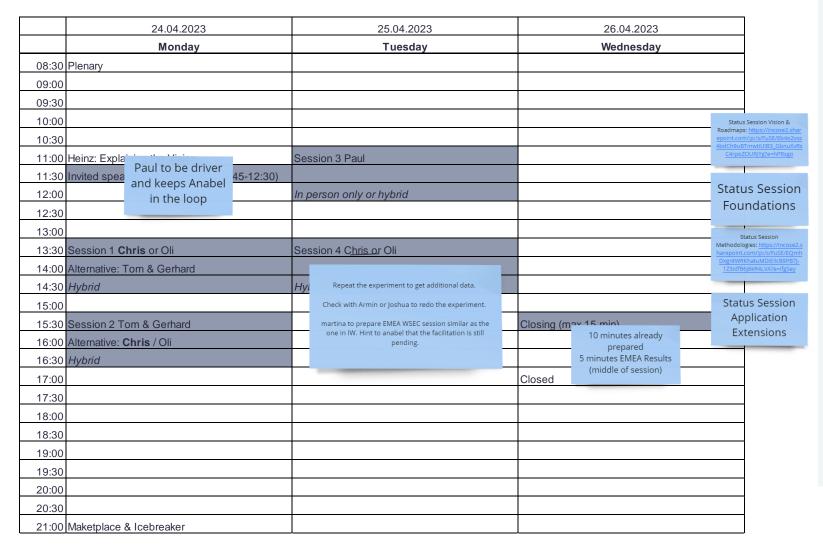
Finalize title and description and send it to David.





## **EMEA WSEC Current Status**

Draft – Timeslots might change | Photo documentation



#### Next Steps and To-Do's:



- Finalize session description in provided ppt template and send it to Martina who will forward them to Anabel.
- Confirm speaker and provide session description to Anabel (Paul)

Update: Gerhard will participate alle days
Oli won't be available to join neither
in person nor virtually





### **EMEA WSEC Current Status**

#### Draft – Timeslots might change

	24.04.2023	25.04.2023	26.04.2023
	Monday	Tuesday	Wednesday
08:30	Plenary		
09:00			
09:30			
10:00			
10:30			
11:00	Heinz: Explaining the Vision	Session 3 Paul	
11:30	Invited speaker (Jan Rotmans) (11:45-12:30)		
12:00		In person only or hybrid	
12:30			
13:00			
13:30	Session 1 <b>Chris</b> or Oli	Session 4 Chris or Oli	
14:00	Alternative: Tom & Gerhard		
14:30	Hybrid	Hybrid	
15:00			
15:30	Session 2 Tom & Gerhard		Closing (max 15 min)
16:00	Alternative: Chris / Oli		
16:30	Hybrid		
17:00			Closed
17:30			
18:00			
18:30			
19:00			
19:30			
20:00			
20:30			
21:00	Maketplace & Icebreaker		

#### Next Steps and To-Do's:



- Finalize session description in provided ppt template and send it to Martina who will forward them to Anabel.
- Confirm speaker and provide session description to Anabel (Paul)

Update: Gerhard will participate alle days
Oli won't be available to join neither in person nor virtually





## Let's connect.

Or find us on www.incose.org/fuse



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**Chris Hoffman** Stream Lead "SE Methodologies"

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**Tom Strandberg** Stream Lead "SE Application Extensions"

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