



Meeting Etiquette

- Please turn off your microphone and Video if you are not speaking
- If you want to speak please raise your electronic hand
- ...or post a chat message
- We welcome interaction...



Bernd Liepert
President euRobotics



David Bisset

Executive Director

euRobotics

An Executive Summary of the

Why develop a new roadmap?

- Address the changes since 2014
 - Al and Big Data
 - New societal goals
- Map new robotics uptake
- Highlight new challenges
- Identify and promote European strengths









Why a roadmap is important...



Input to Work
Programme and Strategy



Sets scope for euRobotics



Eco-System

European Roadmap

Frames Topic Groups

Basis for Strategic Connections to Stakeholders

Seeds

Workshops

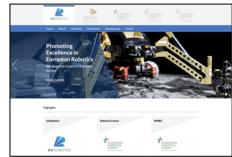
Provides a framework

EUROPEAN ROBOTICS FORUM

Brought to you by SPARC

Provide content

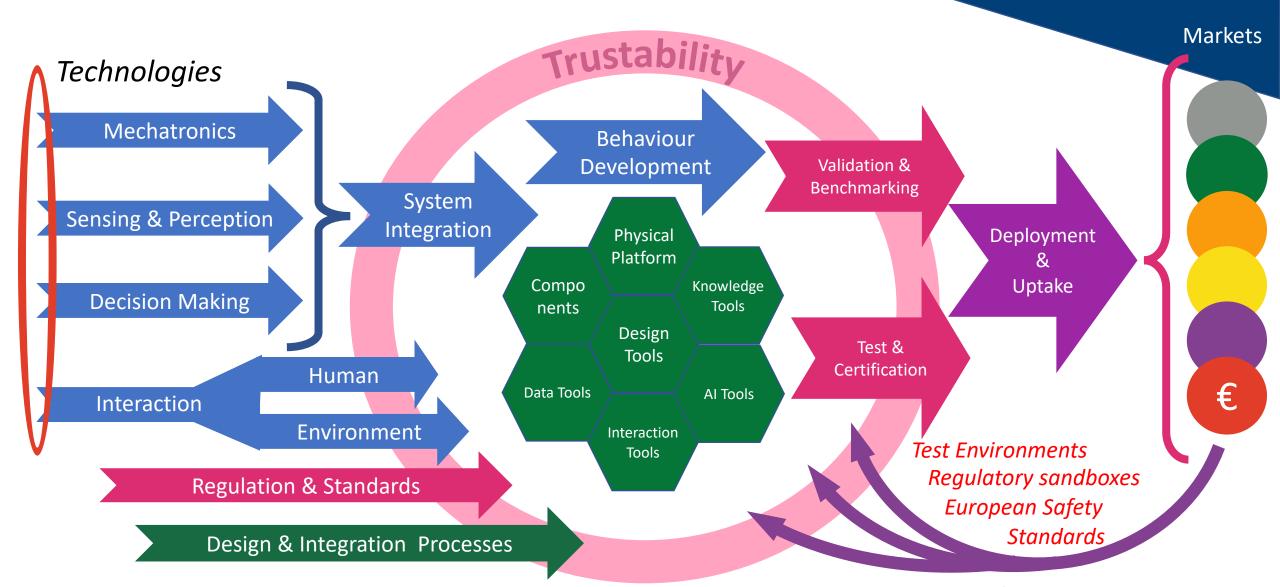
focus





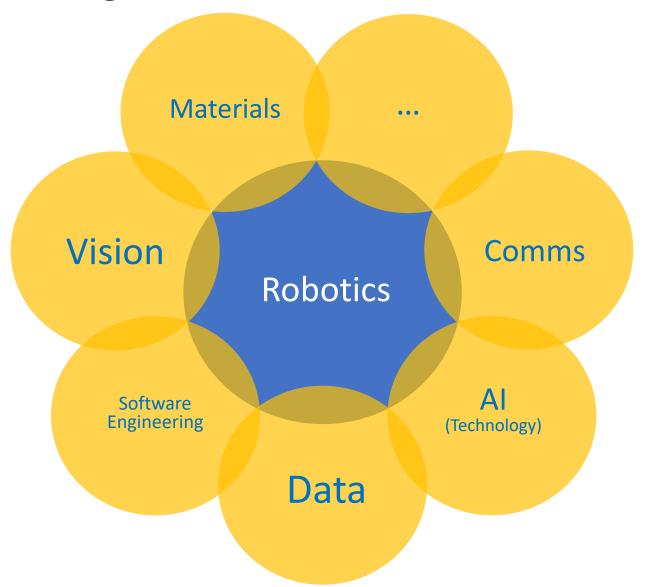
Roadmap scope...





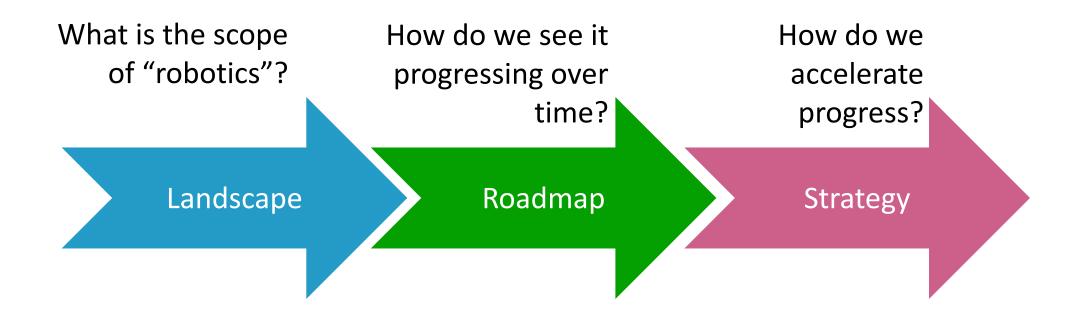


Co-technologies



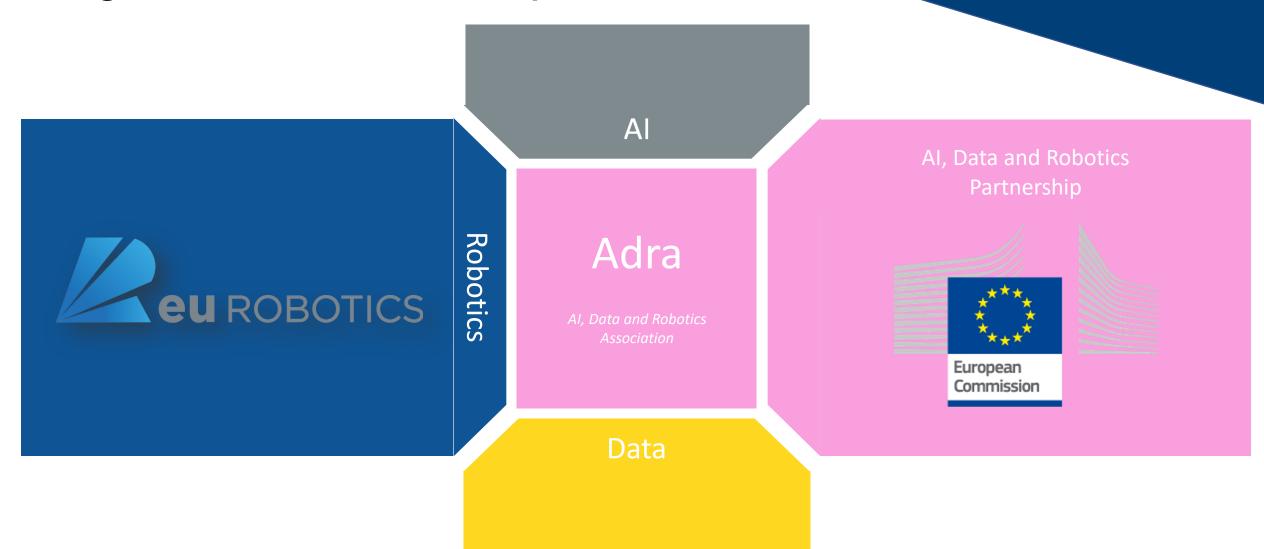


Strategic components





Organisational landscape



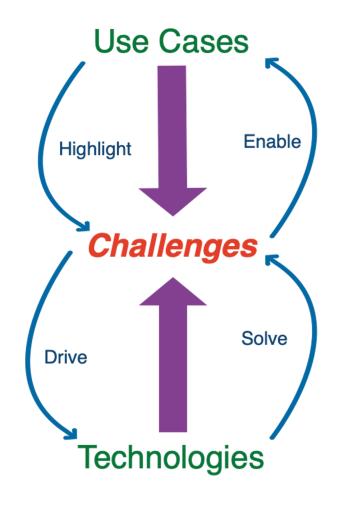


Content Framework

Markets and Sectors

Applications

Modalities (Marine, Aerial etc.)



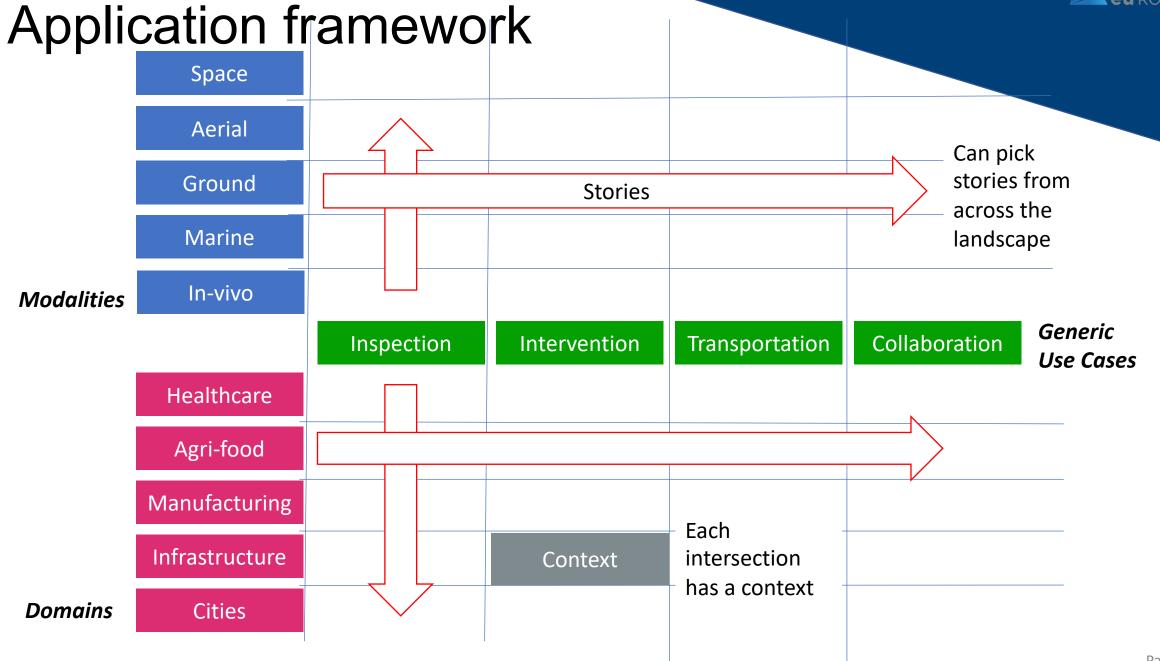
Impact

Infrastructure

Skills and training

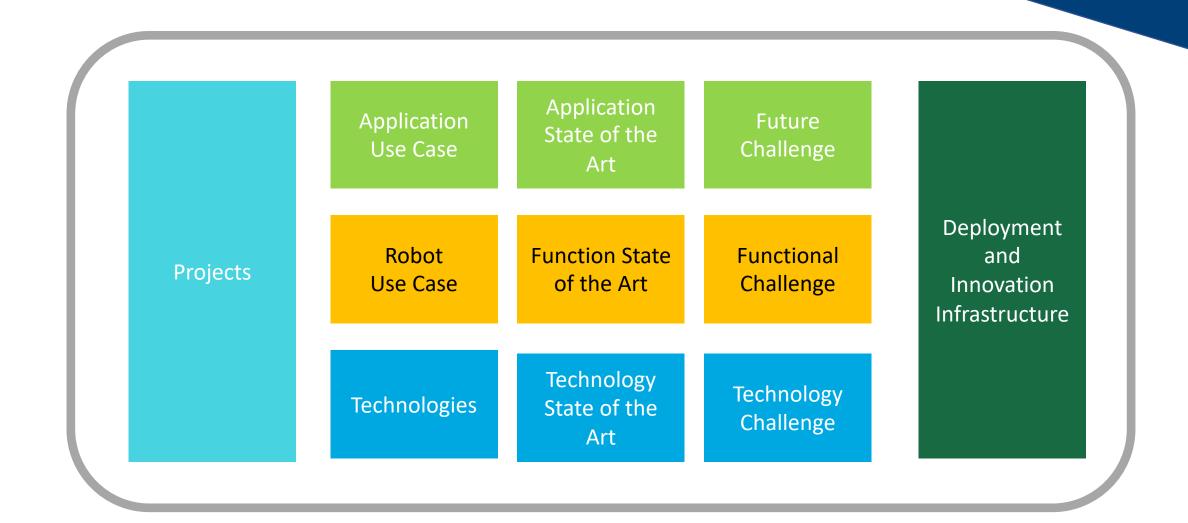
Policy, Regulation, Certification and Standards





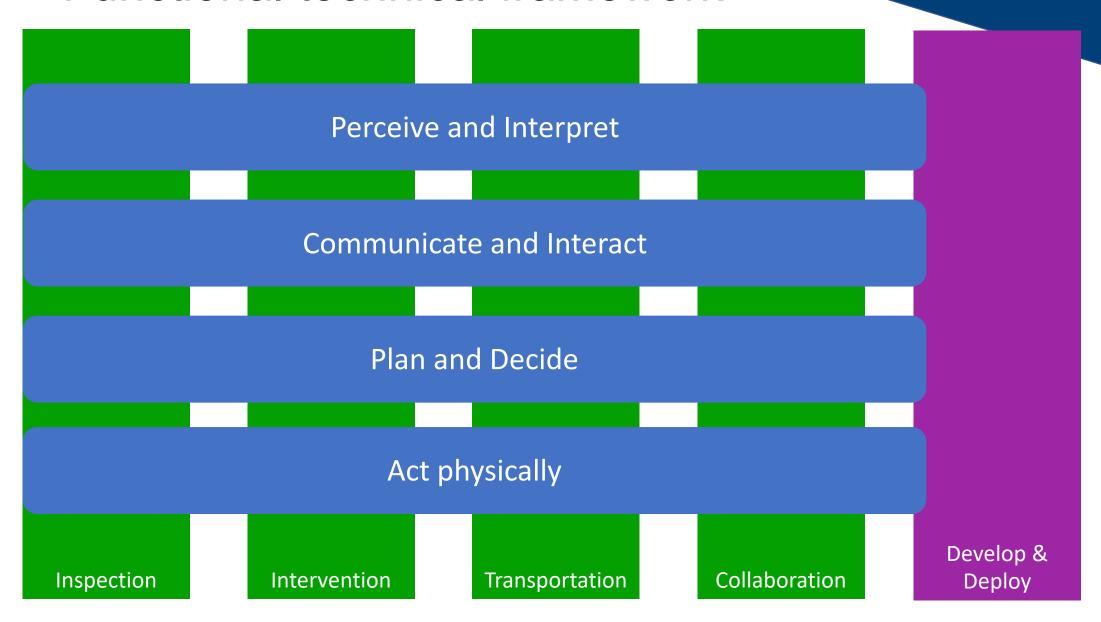


Application framework: Context





Functional technical framework





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The story so far...

TG-Agriculture

TG-Healthcare

TG-Sustainability

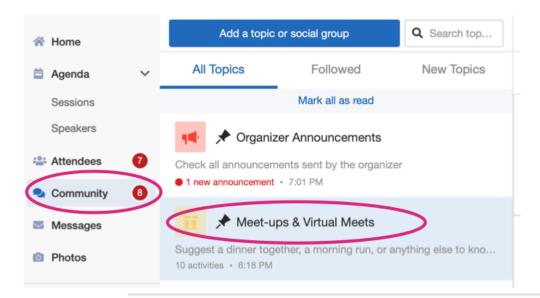
TG-Miniature Robotics

TG-Al and Cognition



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How do I join a Meet-up?





A cluster of topic groups that enable the use of robotics at an industrial scale. TG-Cybersecurity + TG-Software and Systems + TG-Mechatronics + TG-Safety + TG-Benchmarking and Competitions + TG Standardisation + TG-Industrial Robotics + TG-Cloud...

Wed Oct 27 10:15 am



3 attending

RSVP

Details >

Morning: Industrial Scale Enablers Cluster

A cluster of topic groups that enable the use of robotics at an industrial scale. TG-Cybersecurity + TG-Software and Systems + TG-Mechatronics + TG-Safety + TG-Benchmarking and Competitions + TG Standardisation + TG-Industrial Robotics + TG-Cloud Robotics.

Wed Oct 27 11:15 am



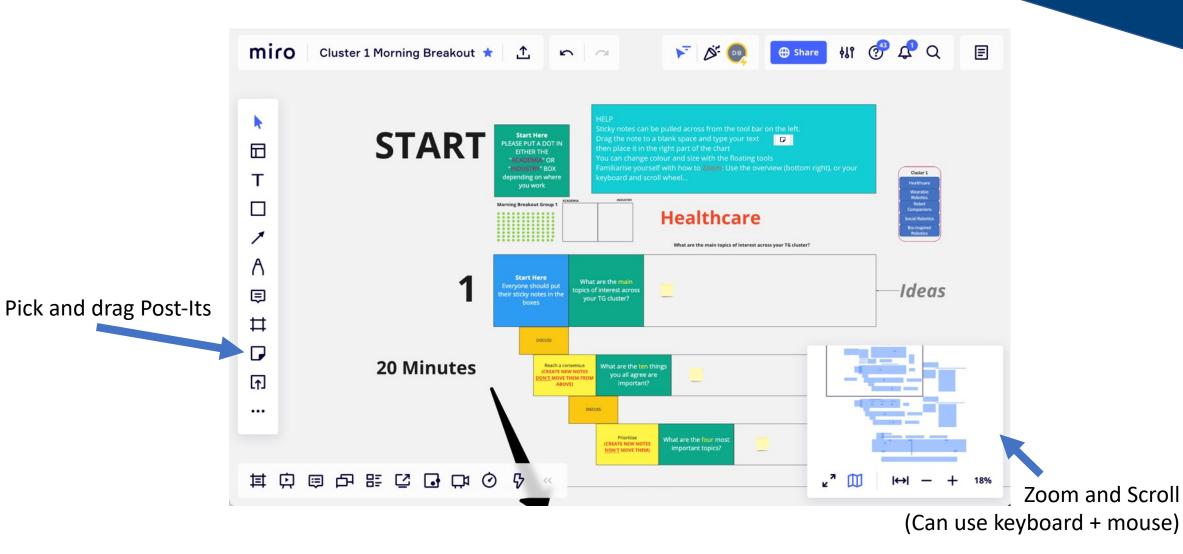
3 attending

Join

Details >



How to use Miro

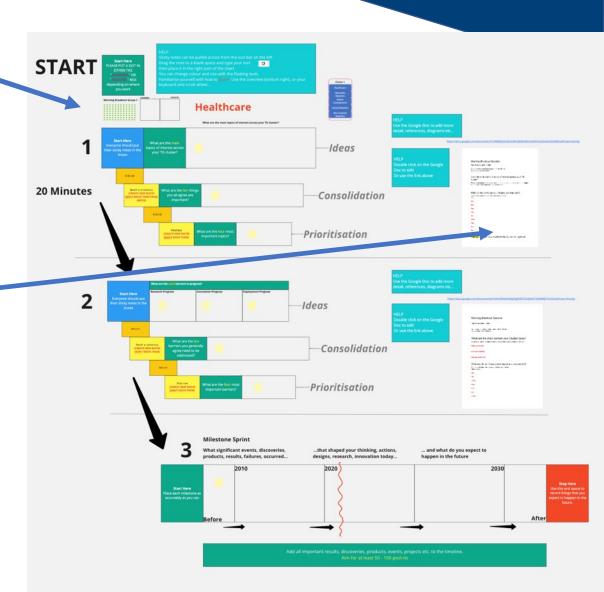


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Miro Boards

- Put a dot where you belong
- Use the links to the Miro Baords
- Use them along side the video call.
 - Don't screen share them
- Edit the board by adding Post-it notes
- Google Docs can also be used.
- Double click to edit





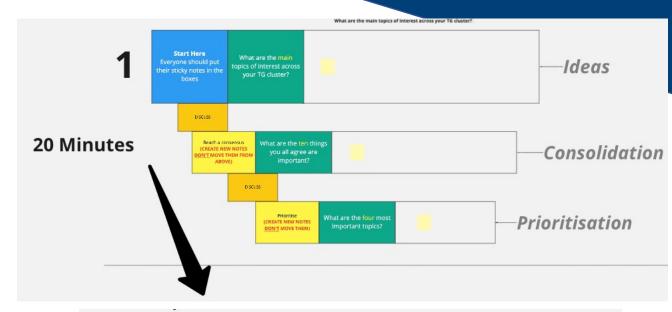
Three tasks

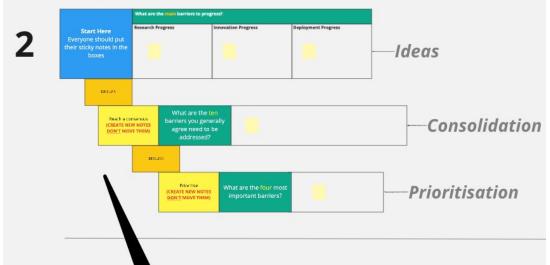
Task 1:

- What is important across your cluster?
 - Discuss
- Consolidate
 - Top Ten
- Prioritise
 - Four key priorities
 - Most should agree

Task 2

- What are the main barriers?
- Discuss, Consolidate and Prioritise

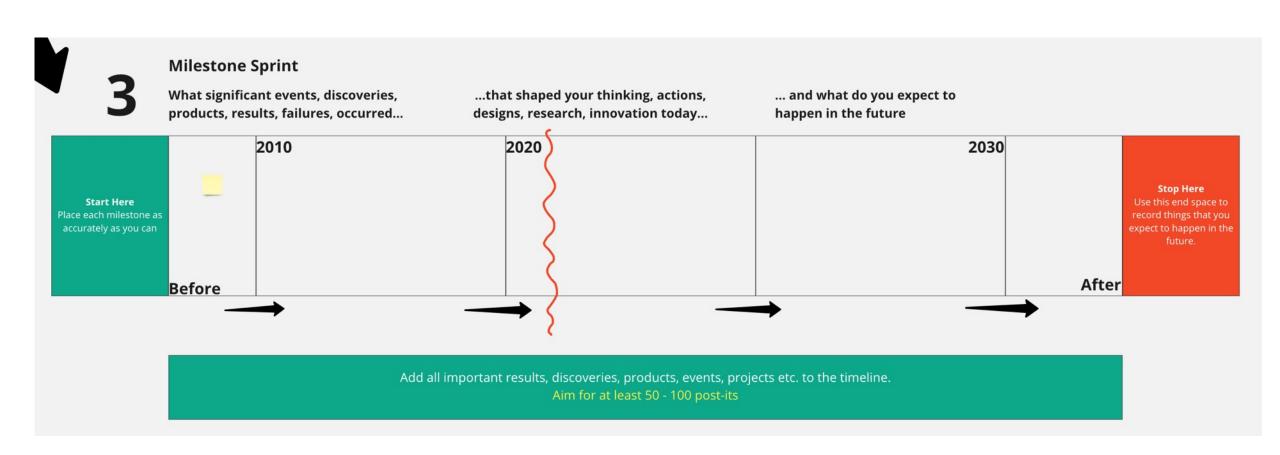






Milestone Sprint

50-100 Post-it notes across the time line in 10 minutes Use the past to predict the future.





Be Heard! Be Seen!

This is your chance to shape the Strategy and Roadmap

Take time to contribute to the Miro Boards

But also discuss...

Topic Group Coordinators will act as Rapporteurs

There will be a Plenary feedback session

You can switch meetings in between

Miro Board Links can be Found In the Handouts Section under Agenda

Cluster 1	Cluster 2	Cluster 3	Cluster 4	Cluster 5				
Healthcare	Cybersecurity	Autonomous Navigation	Ethical Legal and Societal	Miniaturised Robotics				
Wearable Robotics	Software & Systems	Logistics and Transport	Al and Cognition	Laboratory Robotics				
Robot Companions	Mechatronics	Agriculture	Perception	Harsh Environment Robotics				
Social Robotics	Safety	Construction		Inspection and Maintenance				
Bio-Inspired Robotics	Benchmarking and Competitions	Sustainability		Tele-Robotics				
	Standardisation			Marine Robotics				
	Industrial Robotics			Aerial Robotics				
	Cloud Robotics			Space Robotics				
Entrepreneurship								
		Education						



Cluster 1 – Healthcare

Cluster 2 – Industrial Scale Enablers

Cluster 3 – Large Scale Robotics

Cluster 4 – Perception, Cognition and Al

Cluster 5 – All the Robot Modalities



12:55 - 13-25



Keynote:

Breakout Topics:

euRobotics Discussion:





Cécile Huet

Acting Head DG-CNECT Unit A1:

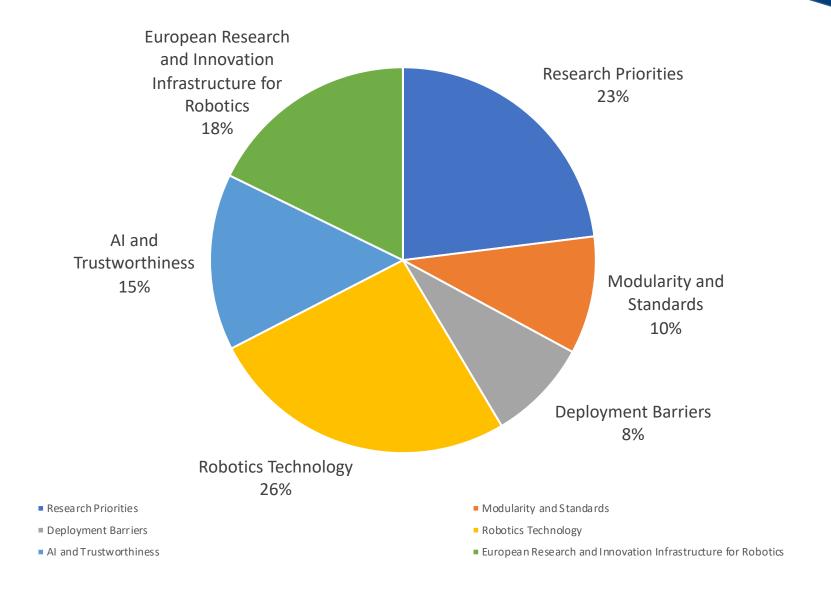
Robotics & Artificial Intelligence Innovation and Excellence



David Bisset
Executive Director
euRobotics



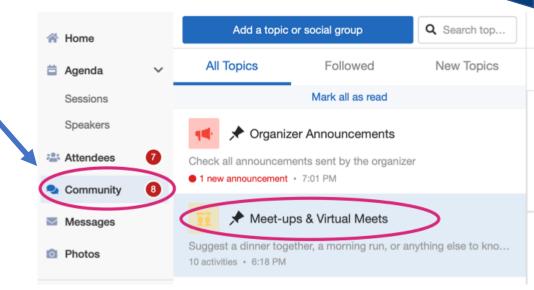
Topic Choice: From votes...





Breakouts

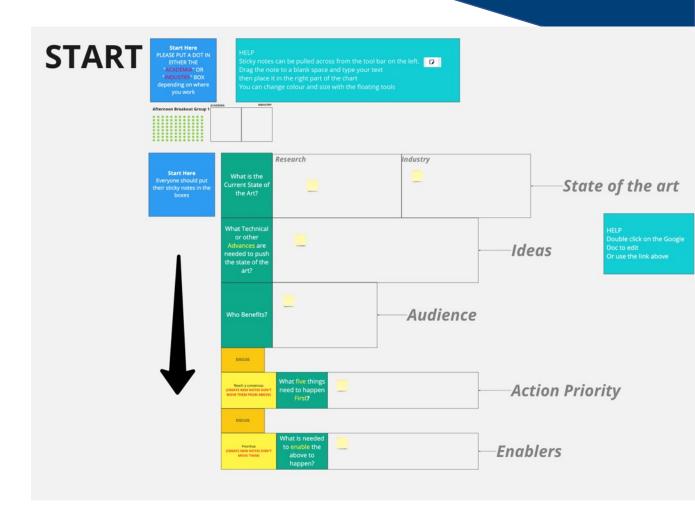
- Join Meet-ups through "Community"
- No predefined Topic Group clusters.
- Use Miro Boards and Google docs
- Join the group you are most interested in:
- Group 1: Robotics Technology
- Group 2: Research Priorities
- Group 3: Al and Trustworthiness
- Group 4: Modularity and Standards
- Group 5: Innovation Infrastructure





Afternoon Task

- Common to each group
- What is the State of the Art?
- What advances are needed?
- Who benefits?
- Five Priorities
- Enabling factors
 - Framework conditions
- You can add new questions.
- Plenary feedback.





Group 1 – Robotics Technology

Group 2 – Research Priorities

Group 3 – Al and Trustworthiness

Group 4 – Modularity and Standards

Group 5 – Innovation Infrastructure

Feedback from the Breakout

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Group 1 – Robotics Technology

Group 2 – Research Priorities

Group 3 – Al and Trustworthiness

Group 4 – Modularity and Standards

Group 5 – Innovation Infrastructure





Open Session

- euRobotics wants to fully support TGs
- What can we do better?
- What do you need?
- How can we support your work?
- How can we build on what you do?
- How should we organise the TG Summit 2022?





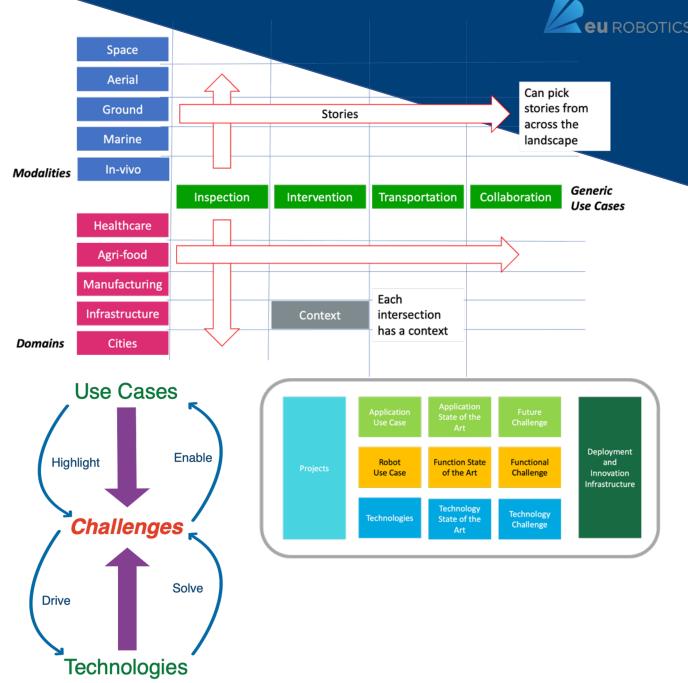
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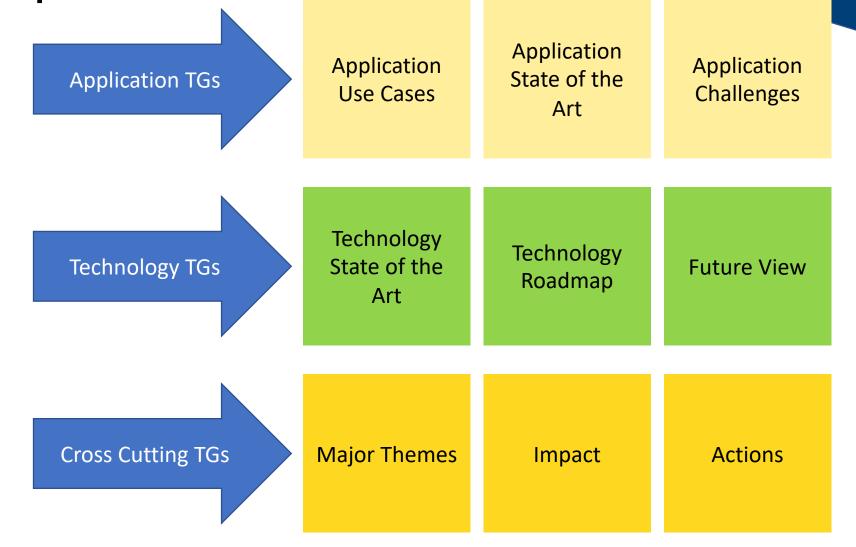
Frameworks

- Frameworks shape content
- We need good stories
- We also need good images and videos





TG Input



Roadmap Output

Highlights	Overview	Landscape	Future		
Detail	Application Impact	Application State of the Art	Innovation	Deployment	Technical Overview
Dynamic	Market Projections	State of the Art Applications (Videos)	Innovation (Interviews) (Showcase)	Deployment (interviews) (Showcase)	Future Roadmap



Time Line (TBD)

Milestone	Date	
TG Summit	27 th October	
Final TG inputs	End November	
1st Draft full document	Jan 2022	
Final TG/BoD feedback	Feb 2022	
Final Draft for ERF	March 2022	
Top level overview first draft	March 2022	
Initial Publication	April 2022	



Website and Portal

- The euRobotics website is being updated.
 - Topic Groups will get more visibility
 - New top level tab
- The portal will be updated
 - Latest platform version (Feb 2022)
 - Better resource
 - Content updated to new frameworks







See you at the European Robotics Forum!

https://www.eu-robotics.net



Thank you!