



**Foundations of Trustworthy AI – Integrating Reasoning, Learning and Optimization**  
**TAILOR**  
**Grant Agreement Number 952215**

## **D.12.3 Communication Material v.2**

<b>Document type (nature)</b>	Report
<b>Deliverable No</b>	12.3
<b>Work package number(s)</b>	12
<b>Date</b>	Due M30 28.02.2023
<b>Responsible Beneficiary</b>	#UNIBO
<b>Author(s)</b>	Michela Milano, Martina Bacaro
<b>Publicity level</b>	Public
<b>Short description</b>	Communication material (flyer, poster, video, etc.) v.2

History			
Revision	Date	Modification	Author
1.0	17.02.2023	first version	Michela Milano, Martina Bacaro

Document Review		
Reviewer	Partner ID / Acronym	Date of report approval
Giuseppe De Giacomo	UNIROMA1, ID #6	01.03.2023
Trine Vikinge	LiU, ID #1	08.03.2023

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## Summary of the report

The Deliverable (12.3) consists in the creation and development of communication materials for the general image of the TAILOR project. The communication materials have been developed using the logo and graphical elements previously developed due M6 (Appendix A - Brand Manual).

## Organisation

The following people have been involved in the Deliverable:

<b>Partner ID / Acronym</b>	<b>Name</b>	<b>Role</b>	<b>other factor</b>
#10, UNIBO	Michela Milano	WP12 leader	-
#10, UNIBO	Martina Bacaro	WP12 member	-

## Posters

### Poster n.1 - project

After the reviews of D.12.2, the poster was amended and the cities on the map were adjusted in their locations. It can be printed for social events or shared as a content on social media. The poster consists in a A2 sheet, only front, having the following structure:

- TAILOR Logo;
- Scientific vision;
- Scientific sections with Icons (Trustworthy AI, Paradigms and Representations, Acting, Social AI, Auto AI), each of them with its own objectives;
- Work Packages with WP leaders and affiliation;
- Partners and Members;
- Industry;
- Connectivity Fund;
- SRIR (Strategic Research and Innovation Roadmap);
- Network Activities (AI-Powered Collaboration Tools, Training Platform and Material, PhD Training Programme, Summer Schools and other training events, Yearly TAILOR Conference);
- Trustworthy AI Repository Icon;
- Affiliate Projects (Vision, AI4EU, CLAIRE);
- Contacts (Coordinator, Website, Social Networks);
- EU Fundings Acknowledgement.



DEVELOPING THE SCIENTIFIC FOUNDATIONS FOR **TRUSTWORTHY AI** THROUGH THE  
 INTEGRATION OF LEARNING, OPTIMISATION AND REASONING



**WORKPACKAGES**

- 1 **Management, Governance and Assessment** - Fredrik Heintz (LIU, SE)
- 2 **Strategic Research and Innovation Roadmap** - Marc Schoenauer (INRIA, FR)
- 3 **Trustworthy AI** - Fosca Giannotti (CNR, IT)
- 4 **Integrating AI Paradigms and Representations** - Luc De Raedt (KU Leuven, BE)
- 5 **Deciding and Learning How to Act** - Giuseppe De Giacomo (UNIROMA, IT)
- 6 **Learning and Reasoning in Social Contexts** - Ana Paiva (IST, PT)
- 7 **Automated AI** - Holger Hoos (ULEI, NL)
- 8 **Industry, Innovation and Transfer program** - Philipp Slusallek (DFKI, DE)
- 9 **Network collaboration** - Peter Flach (UNIBRISTOL, UK)
- 10 **Connectivity Fund** - Joaquin Vanschoren (TU/e, NL)
- 11 **Coordination with AI on Demand platform** - Barry O'Sullivan (UCC, IE)
- 12 **Dissemination and Outreach** - Michela Milano (UNIBO, IT)
- 13 **Ethics requirements** - Fredrik Heintz (LIU, SE)

**PARTNERS**

**OBJECTIVES**

- 01 ESTABLISH**  
 Establishing the European network on Trustworthy AI.
- 02 DEFINE AND MAINTAIN**  
 Define and maintain a unified strategic research and innovation roadmap for the Foundations of Trustworthy AI.
- 03 CREATE**  
 Create the capacity and critical mass to develop the scientific foundations for Trustworthy AI.
- 04 BUILD**  
 Build sustained collaborations with academic, industrial, governmental, and community stakeholders on the Foundations of Trustworthy AI.
- 05 PROGRESS**  
 Progress the Scientific State-of-the-Art for the Foundations of Trustworthy AI.
- 06 INCREASE**  
 Increase Knowledge and Awareness of the Foundations of Trustworthy AI across Europe.

<https://tailor-network.eu/network/network-members/>



**INDUSTRY**

Involvement through a strategic research and innovation roadmap, benchmarks, challenges and theme development workshops.



**CONNECTIVITY FUND**

Connecting Europe's top AI labs: the TAILOR network includes many of Europe's top AI lab, and we want to reach out to the many other excellent labs and organizations across Europe to work together and create new breakthroughs in AI. We especially aim to support young researchers to gain valuable experience and nurture the next generation of AI researchers.

**NETWORK ACTIVITIES**

- AI-Powered Collaboration Tools.
- Training Platform and Material.
- PhD Training Programme.
- Summer Schools and other training events.
- Yearly TAILOR Conference.

**SRIR - Strategic Research and Innovation Roadmap**

The TAILOR network will define a roadmap on the foundations of Trustworthy AI for the years 2020-2030. The TAILOR roadmap will be the result of a collaborative effort between TAILOR participants and network members, strongly focusing on AI research that can be either curiosity-driven or application-driven.



[tailor-network.eu](https://tailor-network.eu)



Coördinator: Fredrik Heintz, [fredrik.heintz@liu.se](mailto:fredrik.heintz@liu.se) | Project Manager: Trine Vikinge, [trine.vikinge@liu.se](mailto:trine.vikinge@liu.se)

In collaboration with



TAILOR is an ICT-48 Network of AI Research Excellence Centers funded by EU Horizon 2020 research and innovation programme GA No 952215

## Poster n. 2 - Connectivity fund

The Connectivity Fund (WP10) provides financial support to AI researchers from all over Europe to visit host institutions within the network or vice versa. It mobilizes excellent researchers to collaborate on key AI topics, including those that cannot be envisioned beforehand, enables young researchers to gain experience in top European AI labs, helps unite Europe's fragmented AI research community, brings in additional expertise, and reinforces Europe's image as an open, inclusive research powerhouse for AI. Within ICT-48 as a whole, the connectivity fund provides an effective mechanism to facilitate exchanges between different networks of excellence, for which we will coordinate with VISION CSA.

This poster has been created to promote the dissemination of the initiative in social events, on the website and social networks (LinkedIn and Twitter).


  
**TAILOR**
  

# CONNECTIVITY FUND

### Connecting all of Europe's top AI labs

The TAILOR network includes many of Europe's top AI labs, and we want to reach out to the many other excellent labs and organizations across Europe to work together and create new breakthroughs in AI. We especially aim to support **young researchers** to gain valuable experience and nurture the next generation of AI researchers.



## For a Truly Vibrant Network of Excellence

**DEADLINES ANY YEAR: March 15 – July 15 – November 15**

### Research Visits

We support research visits between 1 and 12 months. We will pick up the bills so that you can focus on doing excellent AI. You must either be from a non-TAILOR lab visiting a TAILOR lab, or vice versa.

### Workshops

We support workshops that bring people all across Europe together to solve hard problems in an open atmosphere. Workshops should explicitly bring TAILOR and Non-TAILOR researchers together.

More info? [www.tailor-network.eu](http://www.tailor-network.eu)



### Great! Can I apply?

The connectivity fund is open to all European AI researchers. You should be able to demonstrate that you live in Europe and are active in AI through your publication record, or using other proof of involvement in AI research projects. You need a great idea to do excellent AI research, and have an invitation letter from your hosting lab. The focus lies on connecting TAILOR and non-TAILOR labs. Hence, you should be from a non-TAILOR lab and interested in visiting a TAILOR lab. Or, you should be from a TAILOR lab, and be invited by a non-TAILOR lab. Workshops can be hosted by either TAILOR or non-TAILOR labs, but only non-TAILOR attendants can receive funding.



**Funded by the  
European Union**

# TAILOR

TAILOR is an ICT-48 Network of AI Research Excellence Centers funded by the EU Horizon 2020 research and innovation programme under grant agreement No 952215

## Poster n.3 - Competitions

Data challenges and competitions are coordinated by WP2. This poster has been created to promote the dissemination of the initiative on the website and social networks (LinkedIn and Twitter), to spread information about the platforms employed for competitions, and to provide useful contacts for proposing a competition to the network. In addition, each challenge is disseminated with dedicated contents on social media, on the website and throughout the newsletter. Challenges' guideline can be found in D2.2 and on TAILOR website.


  
**TAILOR**
  

# DATA COMPETITIONS

INDUSTRIAL USE CASES TURNED INTO EXCITING DATA COMPETITIONS

## CHALLENGES HACKATONS BENCHMARKS

### Our competitions

TAILOR scientists, in particular industrial partners and network members, are actively involved in the preparation of challenges (competitions, benchmarks, hackathons). Several challenges will be run during the TAILOR project, either academic, deepening a fundamental research question, or based on an industrial use-case (*that could be yours!*). All competitions are announced on the TAILOR website and in TAILOR newsletters.

### Codalab

Codalab is an open-source platform hosted by LISN@University Paris-Saclay. It provides an ecosystem for conducting computational research in an efficient, reproducible, and collaborative manner. Codalab competitions bring together the entire community to tackle the most challenging data and computational problems today. You can either participate in an existing competition or host a new competition.



**Cross-Domain  
MetaDL**

**More info?**

[www.tailor-network.eu](http://www.tailor-network.eu)





**Submit your  
industrial use-case!**



**READY TO  
OUTPERFORM  
THE G.O.A.T.?**



**L2RPN**  
Learning to Run a Power Network  
2022

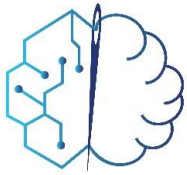


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## TAILOR

## Roll-up






The roll-up has been created to be displayed in social events as an alternative format to the general poster (poster n.1 - project).




# TAILOR

DEVELOPING THE SCIENTIFIC FOUNDATIONS FOR  
**TRUSTWORTHY AI** THROUGH THE INTEGRATION OF  
 LEARNING, OPTIMISATION AND REASONING



### RESEARCH AREAS

-  **TRUSTWORTHY AI**  
 TO DEVELOP THE FOUNDATIONS FOR TRUSTWORTHY AI
-  **PARADIGMS AND REPRESENTATIONS**  
 TO COMBINE AND INTEGRATE LEARNING, REASONING AND OPTIMISATION
-  **ACTING**  
 LEARNING AND REASONING TO PLAN, ACT AND MONITOR BEHAVIOR
-  **SOCIAL AI**  
 LEARNING AND REASONING FOR MULTI-AGENT INTERACTIONS AND HUMAN AI COLLABORATION
-  **AUTO AI**  
 TO AUTOMATE DEVELOPMENT AND DEPLOYMENT OF AI SYSTEMS  
 TO DEMOCRATISE ACCESS TO STATE-OF-THE-ART TECHNOLOGY

Read more and join the network:  [www.tailor-network.eu](http://www.tailor-network.eu)

### MAIN INSTRUMENTS

- 1** A STRATEGIC RESEARCH AND INNOVATION ROADMAP
- 2** A RESEARCH PROGRAMME TO ADDRESS GRAND CHALLENGES
- 3** A CONNECTIVITY FUND
- 4** NETWORK ACTIVITIES

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 the European Union**

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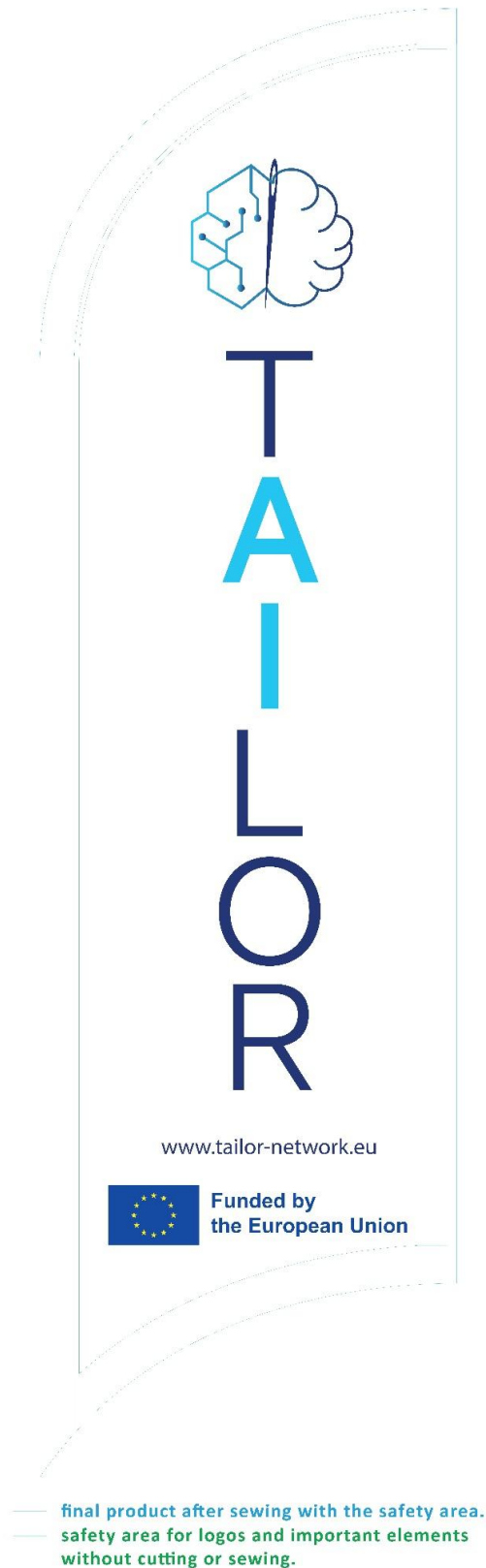
## Map

The map represents the locations in Europe of all the partners involved in TAILOR. After the review of D12.2, some of the geographic locations that were found to be inaccurate have been relocated in the right position.



## Flag

The flag has been created to be shown in social events. It contains the TAILOR logo (vertical), the TAILOR website, the EC logo, and some instructions for folding after print.



## Website

On the website, communication material is produced continuously, e.g. illustrations, images, pictures. After the general review, consistent changes were implemented on the website:

- each WP has its dedicated webpage on the TAILOR website; different pages for WPs were eliminated or incorporated in the general website; separate workspaces for WP were maintained only for internal scope.
- The newsfeed was updated to show also older news, and an index of news items by month has been placed at the side of the general list to facilitate browsing.
- The list of events now includes also expired events in order to show past activities.
- A subscription form has been included on the side of each news item to make it easier to subscribe to the newsletter
- Two webpages with the lists of partners and network members have been created; the list of network members is constantly updated with new members after they submit their request, undergo the formal procedure, and give the requested information (name of the institution, website address, contact person). These lists can be found in the “About” category of the TAILOR website homepage.
- New webpages have been created which are dedicated to “Results”; this category of the TAILOR website homepage includes: Roadmap, Handbook, Scientific Publications, and Deliverables.
- New webpages have been created which are dedicated to “Fundings”; this category of the TAILOR website homepage includes: Connectivity Fund, Collaboration Exchange Fund (CEF), and Scientific Board.

All the communication material can be seen on <https://tailor-network.eu/>. Below, some examples are listed:

- For TAILOR open meetings:
  - First version



- Second version



- For the 2nd TAILOR Summer School (Barcelona 2022)



- For the #WeAreTAILOR series



## SRIR (dissemination version)

The Communication materials and the graphics for the dissemination version of the Strategic Research and Innovation Roadmap has been developed, e.g., graphic elements, layout, front page, headline, banner. TAILOR Strategic Research and Innovation Roadmap (SRIR) aims to boost research on Trustworthy AI by clearly defining the major research challenges. The dissemination versions have been created to ease the dissemination of the document and to make it circulate within and outside the network. TAILOR SRIR was written in a joint effort of many, and finalised and edited by the Roadmap Editorial Board (REB, the list of members can be found on the TAILOR webpage “Roadmap”) from dedicated partners. Two versions of SRIR have been developed; both can be found on the TAILOR website (<https://tailor-network.eu/research-overview/strategic-research-and-innovation-roadmap/>):

- A **Full version**, which gives a detailed program of the Roadmap. The target audience consists in specialized researches, but it can also be enjoyed by motivated laypersons. Here below the frontpage of the Full version:



# STRATEGIC RESEARCH & INNOVATION ROADMAP OF TRUSTWORTHY AI

The Scientific Foundations of Trustworthy  
AI in Europe for the Years 2022-2030



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the European Union**

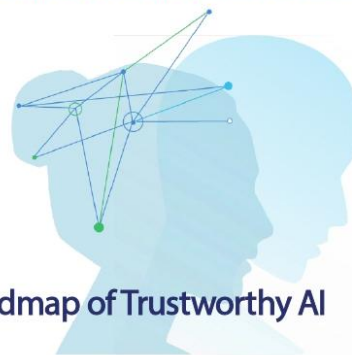
- A **Short version**, which is a 2-page document ideal for a short read or for using as hand-out to a mixed audience. Here below the short version:



2022-07-21

Short extract, V1

Foundation of Trustworthy AI:  
 Integrating Learning, Optimisation and Reasoning



## Strategic Research and Innovation Roadmap of Trustworthy AI

The Strategic Research and Innovation Roadmap (SRIR) for Trustworthy AI will define the foundations of Trustworthy AI for the years 2022-2030. It aims to boost research on Trustworthy AI by clearly defining the major research challenges.

### Objectives



PROVIDING GUIDELINES FOR STRENGTHENING AND ENLARGING THE PAN-EUROPEAN NETWORK OF RESEARCH EXCELLENCE CENTRES ON THE FOUNDATIONS OF TRUSTWORTHY AI



DEFINING PATHS FOR ADVANCING THE SCIENTIFIC FOUNDATIONS FOR TRUSTWORTHY AI AND TRANSLATING THEM INTO TECHNICAL REQUIREMENTS TO BE ADOPTED BROADLY BY INDUSTRY.



IDENTIFYING DIRECTIONS FOR FOSTERING COLLABORATIONS BETWEEN ACADEMIC, INDUSTRIAL, GOVERNMENTAL, AND COMMUNITY STAKEHOLDERS ON THE FOUNDATIONS OF TRUSTWORTHY AI

### Recommendations

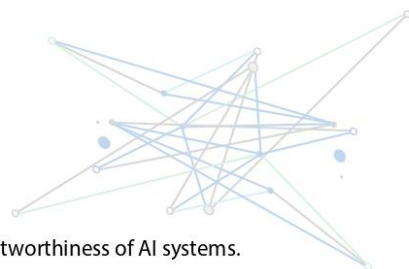
#### Measure and assess Trustworthy AI dimensions

##### Short term

- Develop methods for measuring and evaluating the trustworthiness of AI systems.

##### Long term

- Develop tools for continuously auditing and adapting Trustworthy AI systems: monitoring, dynamically identifying issues, and mitigating them.





## Scientific challenges

### *Short term*

- Develop human interpretable formalisms to enable synergistic collaboration between humans and machines with regards to the criteria of being explainable, safe, robust, fair, accountable; and develop standards and metrics to quantify the grade to which these criteria are satisfied.
- Develop methods for integrating model-based and data-driven approaches to autonomous acting.
- Develop a broad range of AutoAI benchmarks to facilitate development and critical assessment of AutoAI techniques and systems.
- Expand current AutoAI techniques to better meet the demands of real-world applications, including multiple interacting design objectives (with aspects of trustworthiness), scalability, scope and ease of use.
- Develop integrated representations and frameworks for learning, reasoning and optimisation based on probability, logic, neural networks, ontologies, knowledge graphs and constraints.

### *Long term*

- Develop the science, techniques and tools for adjustable autonomy for autonomous AI agents. In particular, equip autonomous agents with the ability to understand when certain decisions that it could take on its own are questionable or unethical, and human supervision should be required.
- Develop a computational theory of mind that considers mental attitudes such as beliefs, knowledge, goals, intentions, capabilities, emotions, and integrates them in a computational effective fashion into autonomous acting.
- Enable the broad, safe, and efficient use of AutoAI techniques across all sectors of industry and society, especially in contexts where limited AI expertise is available.
- Develop a unifying theory and framework of learning, reasoning and optimisation that bridges the gap between the data- and knowledge-driven and the symbolic and subsymbolic approaches in AI.

## Innovation

### *Short term*

- Develop generic operational models of hybrid approaches allowing their reuse in various domains and propose metrics/benchmarks for validating these models.
- Consider that transparency (incl. explainability) targets different kinds of users: developers, domain experts, regulators, "users" (citizens, patients, etc.).

### *Long term*

- Implement Trust by Design: Enable the design and verification of trusted AI systems according to appropriate legal, social and technical criteria and aspects, focusing in particular on critical and risky applications.

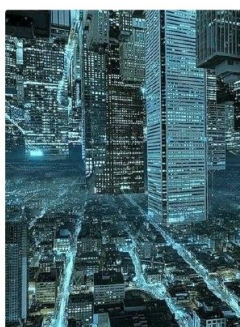
Read more: [www.tailor-network.eu](http://www.tailor-network.eu)

## Newsletter template

The newsletter is sent once a month (usually at the end of the month) and it is used for recap the news items published during the previous month and to give information of interest to the community as a whole, e.g. TAILOR initiatives (challenges, competitions, workshops, etc.), call for papers, open positions within the network, next events, reminders for activities, information and initiatives from other NoEs, etc. Currently the recipients are more than 470, which include TAILOR partners, network members and interested people who subscribed using the dedicated form. The template has been developed using the newsletter provider Mailchimp.

\*[MC:SUBJECT]\*

13/02/23, 14:56



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## Find us online

Follow us on Twitter and LinkedIn to be always updated in TAILOR initiatives!

More information also [on our site](#).



Twitter



LinkedIn



Website

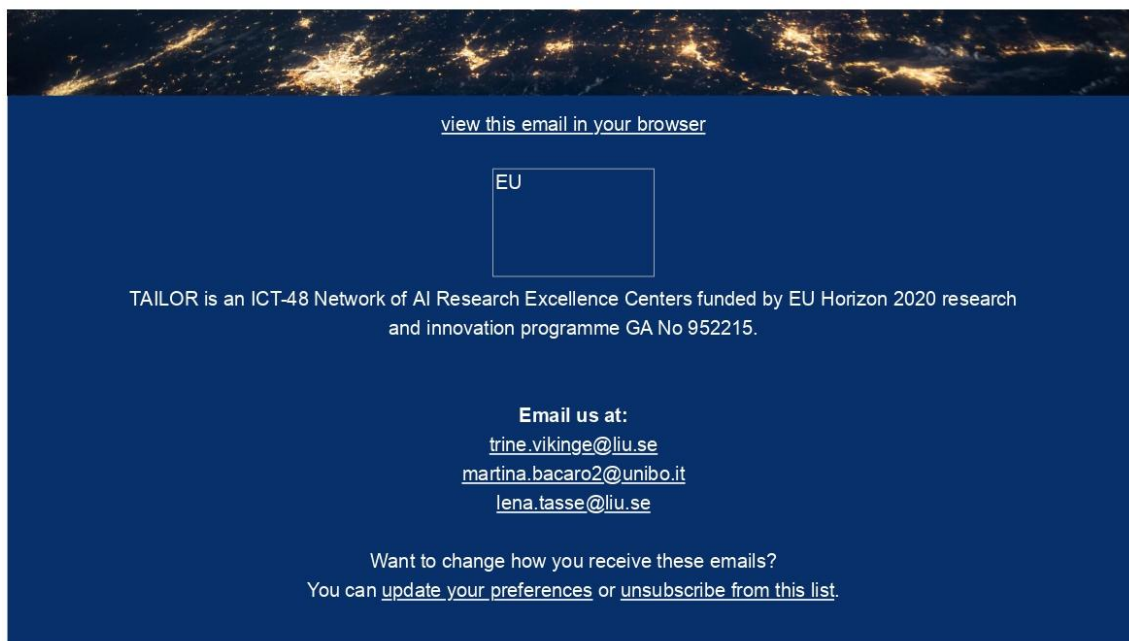
## Someone forwarded you this e-mail?

[Click here to subscribe to the TAILOR newsletter!](#)



\*[MC:SUBJECT]\*

13/02/23, 14:56



## Graphic material from TAILOR Network

Some communication materials have been developed by TAILOR partners and network members. Due to the large number of partners and members, it is possible that not all the materials has been already collected. Here below the graphics developed by a partner for Theme Development Workshops (WP7 - University of Leiden) and a network member (Kinit - Kempelen Institute of Intelligent Technologies, Slovakia)

- Theme Development Workshops (University of Leiden)



- Kinit - Kempelen Institute of Intelligent Technologies, Slovakia

