

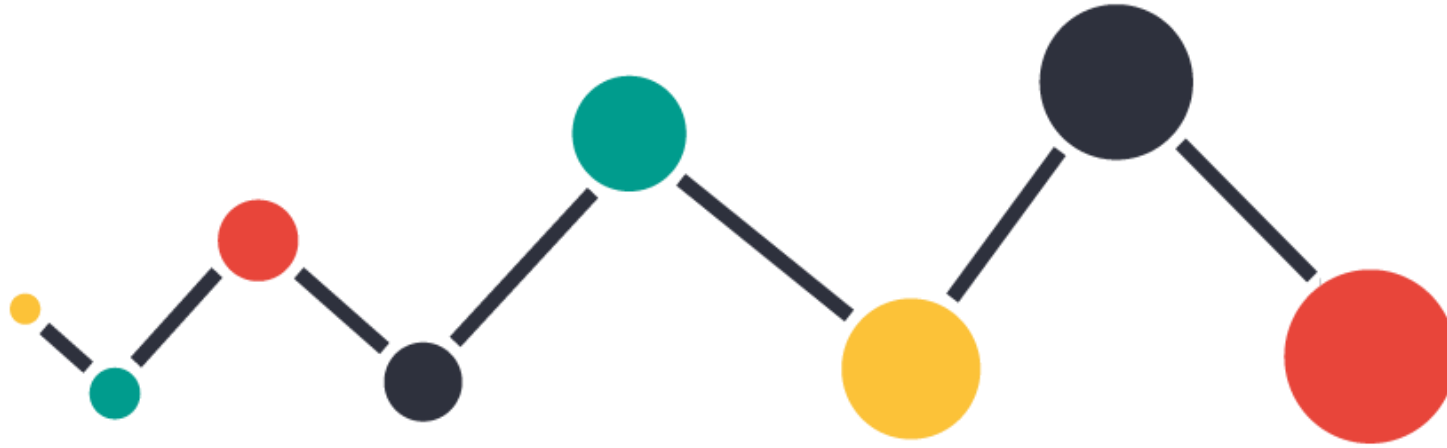


Sant'Anna  
School of Advanced Studies – Pisa



European  
Commission

Horizon 2020  
European Union funding  
for Research & Innovation



# TERRINet

The European Robotics  
Research Infrastructure Network

**TERRINet** is a **European Research Infrastructure Network of stakeholders in Robotics** from both Academia and Industry.

TERRINet offers Trans-National Access to **top-quality robotics platforms, excellent research services, and training** to users in Europe and worldwide.



# Vision

The TERRINet Project represents the effort made by Europe:

- to maintain **European leadership in Robotics**, by focusing on research
- to offer **top-quality infrastructures, excellent research services and training** to a large number of academic and industrial users
- to **grow and educate a new generation of researchers in Robotics** able to design, develop and manage the Robots of the Future

# Mission

1. To share **top-level platforms and know-how**
2. To foster **reproducibility and replicability in Robotics**
3. To deliver **platform-specific technical training**
4. To enable users **upgrading** their **knowledge and skills**

# Infrastructures and Partners Consortium



**15** Infrastructures in **7** different EU countries (including the UK) + **1** Associated Country (Switzerland)



Project Starting Date: December 1, 2017  
End Date: November 30, 2022

TERRINet - H2020-INFRAIA-2017-1-two-stage  
GA n. 730994

# Let's introduce ourselves..

Scientific Coordinator

Managing Coordinator

Project Manager



SSSA  
Paolo Dario



SSSA  
Calogero Oddo



SSSA  
Rossella Raso

Research Staff at SSSA




Top ranked  
Research Centers



Forefront Research  
projects



European Research Council  
Established by the European Commission

 <b>CEA</b> Christophe Leroux	 <b>LAAS-CNRS</b> Philippe Soueres	 <b>KIT</b> Tamim Asfour	 <b>KIT</b> Fabian Peller-Konrad	 <b>TUM</b> Alois Knoll	 <b>TUM</b> Marie-Luise Neitz	 <b>TUM</b> Dinesh Paudel	 <b>IIT</b> Giorgio Metta	 <b>IIT</b> Marco Maggiali	 <b>IIT</b> Luca Tricerr	 <b>Imperial</b> Ferdinando Rodriguez y Baena	 <b>Imperial</b> Robert Merrifield
 <b>UT</b> Stefano Stramigioli	 <b>UT</b> Wesley Roozing	 <b>UPC</b> Alberto Sanfeliu	 <b>UPC</b> Ana Maria Puig-Pey	 <b>USE</b> Anibal Ollero	 <b>USE</b> Begoña Arrue	 <b>EPFL</b> Dario Floreano	 <b>EPFL</b> Auke Ijspeert	 <b>UWE-BRISTOL</b> Chris Melhuish	 <b>UWE-BRISTOL</b> Farid Dailami	 <b>UL</b> Marko Munih	 <b>UL</b> Tina Starsgard

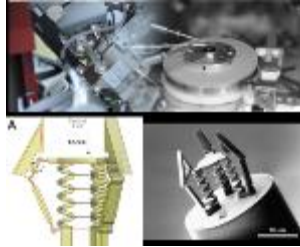
# The TERRINet offering:

1. Trans-National Access
2. Training
3. Research services

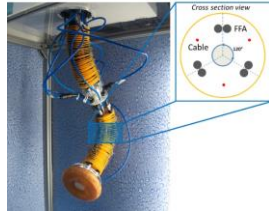
# Trans-National Access (TNA) to 100+ top-level robotic platforms



Azzurra hand, SSSA



Micro-Robot Fabrication and Characterisation, IMPERIAL



I-Support, SSSA



Stiff-Flop, SSSA

## Soft Robotics



eBee drone, EPFL

## Drones and aerial facilities

Flying Arena, UWE-BRL



## Industrial Robotics

COMAU Dual arm robot, SSSA



Optitrak indoor, UPC



Amuse, USE

## Surgery and Prostheses



Microsurgical Robot, TUM



Neuromorphic Artificial Touch Sensors, SSSA

Human Motion Analysis with Vicon, KIT



LOPES, UT

## Humanoids

Armar 6, KIT



iCub, IIT



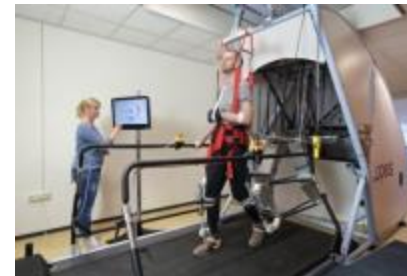
Kawada Robotics HRP-2, LAAS-CNRS

Haption ABLE, CEA



## Rehabilitation Robotics

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# TERRINet Open Calls - Eligibility

TERRINet selects users by an **Open Call-based mechanism**. **First come, first served**: proposals are evaluated upon receipt. Results are notified within 30 days. We expect to receive short project proposals to implement by using one of the 100+ TERRINet platforms.

## Who can apply?






**Researchers** from Academia and Industry



**Students**: school students, undergraduate, graduate, PhD, Master



**Entrepreneurs**

		
<b>Students</b> school students, undergraduate, graduate, PhD, Master	<b>Industrial researchers</b> and Academics including postdoctoral	<b>Entrepreneurs</b> Micro and SMEs, Mid-Caps, Large industries

# Do not know where to apply?

[www.terrinet.eu](http://www.terrinet.eu)

European Commission

TERRINet

Infrastructures Platforms Access Industries Training Dissemination Project Contacts

DIVERSITY IN ALL PARTS

## Discover all the Robotic Platforms

See here all the Robotic Platforms of our Infrastructures!

START SEARCHING

### Platform search

Welcome to the TERRINet Platform search tool. You can use this search tool to search for specific platforms, infrastructures or keywords. The search input field also accepts regular expressions (e.g. categoryA|categoryB).

Please enter a search query or click on a robotic category

Humanoid Robotics Aerial Robotics Industrial Robotics Wearable Robotics Mobile Robotics Soft Robotics

Search query for platform search

Invia

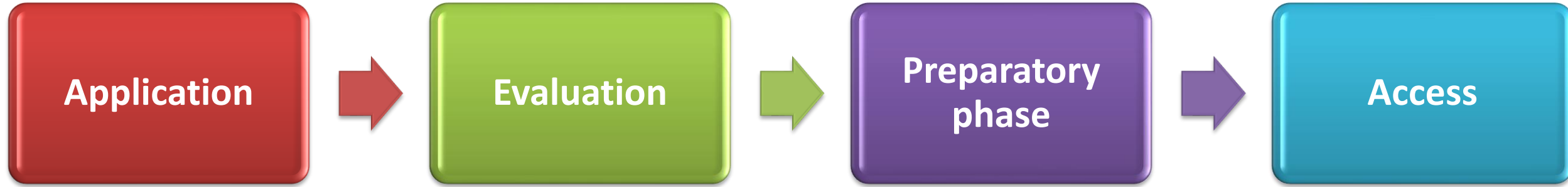
# Grant eligibility

Users of the European Member States<sup>1</sup>, including UK, Associate countries<sup>2</sup>, and Overseas countries eligible for funding<sup>3</sup>.

TERRINet emphasises European admissions, nevertheless **we are glad to welcome users from non-eligible countries** (for a 20% maximum of the total users) at their own costs.

1. <https://www.schengenvisainfo.com/eu-countries/>
2. [https://ec.europa.eu/research/participants/data/ref/h2020/grants\\_manual/hi/3cp/h2020-hi-list-ac\\_en.pdf](https://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cp/h2020-hi-list-ac_en.pdf)
3. [https://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2018-2020/annexes/h2020-wp1820-annex-a-countries-rules\\_en.pdf](https://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2018-2020/annexes/h2020-wp1820-annex-a-countries-rules_en.pdf)

# Selection procedure



TERRINet  
The European Robotics  
Research Infrastructure Network

TERRINet Open Call - ID CALL 10

Submission deadline 2022-05-31 23:59:59 (UTC)


**Deadline:  
May 31, 2022  
23:59 CET**

**<https://opencalls.terrinet.eu/call/id/10>**

# Few simple steps

1. Register your account on the Open Call portal (<https://opencalls.terrinet.eu>)
2. Download the Application Form
3. Prepare and submit your proposal


**Application process is very quick, it doesn't take much time**



The European Robotics Research Infrastructure Network

**TERRINet Trans-national Access Application for**

Personal information			
Family Name		Nationality	
First Name		Birth year	
Gender (tick the appropriated item): <input type="checkbox"/> female <input type="checkbox"/> male			
Home Institution:			
Legal Status of Home Institution Code <sup>1</sup>		Home Institution Country Code <sup>2</sup>	
Function / Job / Title:		Position:	



The European Robotics Research Infrastructure Network

<b>Research proposal:</b>
Project title:
Main scientific field of the project:
Project objectives:
Description of the planned work:
Personal statement: expected achievements and impact* (max 500 words):
Dissemination plans* (max 500 words):
Ethics
Data processing flow* (if applicable):
Processing of data belonging to special categories* (if applicable):
Data Protection Impact Assessment* (if applicable):
References

Proposals are evaluated by an evaluation committee and **results are notified within 30 days from the deadline (by June 30, 2022).**

Access takes place starting from July 1, as soon as agreed between the user and the host infrastructure.




### Evaluation criteria

Excellence	50
Impact	30
Implementation	20

# TERRINet is more

## Research

JRA

1. Benchmarking
2. Research reproducibility and replicability
3. ELES (Ethics, Legal, Economic, Social) issues
4. Sharing of research dataset with the Community 

## Training

NA

1. Platform-specific technical training, including “TERRINet Schools”
2. Technical highlights on YouTube Learning

## Industrial benefits

NA

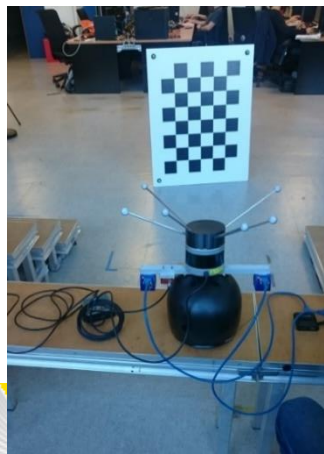
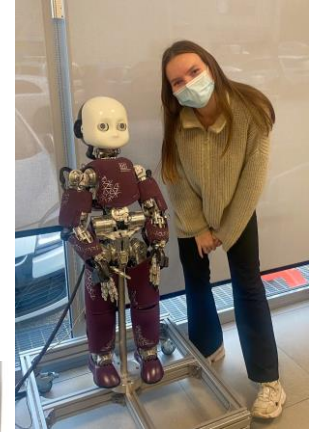
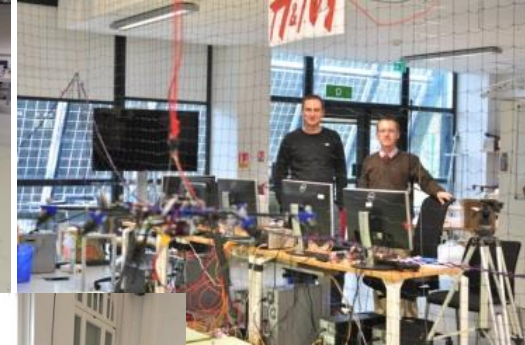
1. Testing an idea at state-of-the-art experimental facilities
2. Learning new scientific methods for possible application to industrial processes
3. Receiving training on modern robotic equipment and techniques

(NA) Networking Activity  
(TA) Trans-national Activity  
(JRA) Joint-Research Activity

# They talk about us



# Past TERRINet users



INFRAIA-2017-1-two-stage  
GA n. 730994



# Follow us!



# Thank you

**Project Starting Date:**  
December 1, 2017  
**End Date:**  
November 30, 2022



Supported by the European Commission under the Horizon2020 Programme (H2020 – INFRAIA-2017-1-two-stage Topic: INFRAIA-02-2017 Integrating Activities for Starting Communities) - GA number: 730994

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