Digital Innovation Hubs in Healthcare Robotics (DIH-HERO)

Jesús Pablo González
EURECAT

ACC10 Brokerage, October 31st 2019
The Challenge
Our Mission and Objectives
The Project
The Benefits
Upcoming Events

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DIH-HERO
The Challenge

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DIH-HERO
Our Mission

- A pan-European network for Healthcare Robotics
- Improving the quality of care for European Citizens while building global market potential
- Connect stakeholders and enable them to develop innovative products

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DIH-HERO Objectives

- Collect and harmonize industry led standard
- Cross border certification
- Testing facilities and living labs
- Formation of supply chains
- Technology transfer
- Brokerage Events
- Regional Infodays
- DIH-HERO Networking Events
- DIH Knowledge Conferences
- DIH-HERO Online Portal
- Financial Support
- Access to knowledge and services
- Connecting innovators
- Collaboration opportunities
- Share best practices
- Connecting innovators
- Collaboration opportunities

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DIH-HERO
Our Services

Technology Services
Access to prototyping, research and manufacturing know-how and a technology catalog to speed-up your product development

Business Capital and Incubation
Links to public and private funding services to transform your technology into a market-ready product

Certification and Go-to-Market Services
Resources to help you understand customer segments, regulations and value chains to create a perfect market entry strategy

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Our Services

Test Infrastructure Services
DIH-HERO offers you access to specialized labs and realistic test environments to validate and refine your product or services.

Training and Education Services
DIH-HERO offers healthcare professionals and robotic developers access to knowledge resources for competence building and life-long learning.

Data Validation
DIH-HERO supports you in the process of gathering, validating and exploiting the data you need.

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Key Facts

- 17 core partners
- 11 countries
- 4 years
- €16m
- €8m
- 5 calls

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Major application domains

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**Main application domains in Healthcare Robotics**

<table>
<thead>
<tr>
<th>Domain</th>
<th>Applications</th>
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<tbody>
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<td>Diagnostic Robotics</td>
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<td>Interventional Robotics</td>
<td>e.g. Surgical robotics; Image guided Robotics; Training robots</td>
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<td>Rehabilitation Robotics</td>
<td>e.g. wearable exoskeletons; Stationary devices; Mobile training devices</td>
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<td>Robotics supporting patients</td>
<td>e.g. functional support robots; Robot Assistants; Communication robots</td>
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<tr>
<td>Robotics supporting healthcare professionals</td>
<td>e.g. ergonomical robots; Telepresence robots; Workflow optimization</td>
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Financial Support

Travel Vouchers

Technology Demonstrators

Technology Transfer Experiment

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**Financial Support**

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**Funding Scheme:** Innovation Action. 70% (except for non-profit legal entities, where a rate of 100% applies)

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Financial Support: General Definition of SME

According to the general SME definition stated in article 2 of the annex to Recommendation 2003/361 EC

“To count as an SME, your organisation must be engaged in an economic activity and must have:

- fewer than 250 employees and
- an annual turnover of no more than €50 million and/or a balance sheet of no more than €43 million

Whether you count as an SME may depend on how you count your workforce, turnover or balance sheet. Please note that you must take account of any relationships you have with other enterprises. Depending on the Category in which your enterprise fits, you may then need to add some, or all of the data.”

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Financial Support: General Definition of slightly larger companies

According to the European Commission

To count as a slightly larger company than an SME, your organisation must be engaged in an economic activity and must have:

- fewer than 500 employees and
- an annual turnover of no more than €100 million

Whether you count as a slightly larger company than an SME may depend on how you count your workforce and turnover. Please note that you must take account of any relationships you have with other enterprises. Depending on the category in which your enterprise fits, you may then need to add some, or all of the data.
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Financial Support: Travel Voucher (TV) call

Purpose

The 200 travel vouchers for cross-border travelling up to a maximum amount of €2,000 per voucher should:

- Reduce barriers jeopardizing connectivity
- Stimulate knowledge exchange

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Financial Support: Technology Demonstrator (TD) call

Purpose

- Stimulate cross-border collaboration

- Accelerate the development of Healthcare Robotics by demonstrating the feasibility of new, innovative and enhanced robotic solutions in healthcare application domains.

- Improve and broaden the uptake of robotics solutions and increase future investments in robotics in healthcare.
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Financial Support: Technology Transfer Experiment (TTE) call

Purpose

- Stimulate cross-border collaboration
- Stimulate the transfer of innovative technology from outside the robotics and healthcare domains
- Solve unanswered clinical questions
- Contribute to overcome implementation hurdles that hinder generating new business for the healthcare robotics industry
- Create new links inside the value chain, thereby enabling the societal & economic impact

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Financial Support: Travel Voucher (TV) call

Basic Framework

- The first 200 submitted proposals considered eligible will be awarded a TV of max. €2,000.
- All applications will have to execute a SME self-assessment test.
- Only legal entities being SMEs and operating in the healthcare and/or robotics sector within the EU and its associated countries (EEA) are considered eligible.
- Every entity is only allowed to submit one proposal per call via the portal.
- The TV can be used during a period of 12 months after awarding.
- Payment will be made on reimbursable basis.

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Evaluation criteria

Evaluation will be done according to the First-come-first-served principle.

The submitted proposals will be reviewed upon:

- The date and time of the proposal submission online
- The proposals eligibility for travel vouchers
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Financial Support: Travel Voucher (TV) call

Qualifying activities

Cross-border traveling in order to visit:

➢ the DIH-HERO brokerage event taking place in 30-31st October 2019 in The Netherlands, and/or

➢ DIH-HERO conferences / network meetings and/or

➢ Digital Innovation Hubs of the DIH-HERO consortium in another country to make usage of their services.

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Financial Support: Technology Demonstrator (TD) and Technology Transfer Experiments (TTE) call

Framework

Technology Demonstrator and Technology Transfer Experiments must be tailored towards at least one of the following application domains in Healthcare Robotics:

- Diagnostic Robotics
- Interventional Robotics
- Rehabilitation Robotics
- Robotics supporting patients
- Robotics supporting healthcare professionals

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Financial Support: Technology Demonstrator (TD) and Technology Transfer Experiments (TTE) call

Framework

- Only legal entities being SMEs and slightly larger companies from EU and its associated countries (EEA) are eligible for FSTP funding.
- Proposals must clearly state the clinical relevance of and demand for this solution, have a clear linkage to the end-user and should make use of the expertise / services of the DIH-HERO network
- The maximum amount granted per project is:
  - €100,000 for Technology Demonstrators
  - €200,000 for Technology Transfer Experiments
- Payment will be made in instalments

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Financial Support: Technology Demonstrator (TD) and Technology Transfer Experiments (TTE) call

Framework

- A consortium must at least consist of:
  1 SME/ slightly larger company and 1 end-user from 2 different countries or
  2 SMEs/ slightly larger companies from 2 different countries

- The eligible proposals that have been submitted via the portal will be evaluated by external reviewers and ranked upon excellence, impact and implementation.

- For TD: The 35 highest ranked proposals will be awarded
- For TTE: The 20 highest ranked proposals will be awarded

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Financial Support: Travel Voucher (TV) call

Timeline of the call

- Call opening on July 15th 2019
- The call will be open 3 months
- The TV can be used during a period of 12 months after awarding.

DIH-HERO BREAKING NEWS: THE DEADLINE FOR THE FIRST TRAVEL VOUCHER CALL HAS BEEN EXTENDED UNTIL THE 15TH OF DECEMBER 2019! APPLY NOW!

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Financial support Travel Voucher Call

Case 1: A Polish SME is planning to participate in the DIH-HERO brokerage event taking place in the Netherlands at the end of October 2019.

Answer: This proposal is eligible for a TV of DIH-HERO, as an SME is planning to execute an activity qualifying for an TV up to €2,000.
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Financial support Travel Voucher Call

Case 2: A Danish Midcap wants to visit a German digital innovation hub (DIH) to make use of the services it offers.

Answer: Not eligible for a travel voucher of DIH-HERO since although this company wants to visit a DIH in another European country, only SMEs will be awarded a travel voucher in this call.

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Financial support Travel Voucher Call

Case 3: A German company being an SME according to the criteria would like to use the voucher to take part in a DIH-HERO conference taking place in München.

Answer: Not eligible for a travel voucher of DIH-HERO since although this company is an SME the intended travel is not cross-border.
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**DEADLINE**: December 15<sup>th</sup> 2019

**DEADLINE**: December 31<sup>st</sup> 2019

To be opened in winter 2019/2020.

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Thank you for your attention!

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EURECAT

For further information:
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