Innovation Journey

2nd Edition

-Supercomputing for business innovation and entrepreneurship-

- October 1st - November 12th -

Organisers:

EuroCC SPAIN RES

Barcelona Supercomputing Center
Centro Nacional de Supercomputación

the United Kingdom, France, the Netherlands, Belgium, Luxembourg, Slovakia, Norway, Switzerland, Turkey, Republic of North Macedonia, Iceland, Montenegro

Content

Introduction

Innovation Journey is a workshop series that aims to promote collaboration between research personnel in need of entrepreneurship management skills; and industry and SME professionals searching for new ventures in the field of High-Performance Computing, Big Data and AI.

The goal is to accompany researchers as they make their first contact with the private sector and to foster the use of HPC technologies in industry and SME initiatives.

The seven-session program will offer business training through interactive workshops and an approach to the implementation of practical solutions in the market, as well as mentoring and guidance by entrepreneurs, which will be established through a rigorous curriculum.

What to expect?

1. Immersion in a multidisciplinary team of scientists, researchers and entrepreneurs

2. Immersion in the ecosystem of start-ups, spin-offs and small and medium-sized enterprises (SMEs) in general

3. Exploration of different business models that enhance the implementation of HPC technologies

4. Understanding how products fit in the market and how to anticipate the needs of customers

5. Connections with private companies and with the main players in the technological ecosystem

6. Empowerment around the process of creating a company from scratch or implementing innovation in existing companies

7. Development of innovation projects based on the use of HPC technologies

8. Monitoring of sustainable go-to-market strategies, with emphasis on the creation of licensing agreements.

Who is it intended for?

The 2021 edition of the Innovation Journey has a dual **mission**, on the one hand:

● It will promote entrepreneurship among BSC-CNS and EuroCC Spain research staff. All this to support the materialization of potential technological developments that start from technology that has matured or is maturing in research centres.

● On the other hand, it will promote the implementation of solutions based on Artificial Intelligence and Supercomputing among small and medium-sized companies that will participate in the project.

Objectives

To this end, the Innovation Journey is born for the creation of a collaborative space between academia/research and the private/business/corporate sector that:

● Incentivizes the entrepreneurial vision in HPC researchers in Spain.

● Encourages the application of HPC technologies in the business/private sector.

● Increases the scope of HPC technologies, a strategic sector at the state level

● Encourage synergies between researchers and SMEs:

  ○ On the one hand, allowing the former to present concrete solutions for the challenges faced by the latter.

  ○ On the other hand, the SMEs will be mentors in matters of entrepreneurship and market development of the technology presented by the research personnel.

Structure

The program will consist of seven sessions that will combine theoretical training in entrepreneurship issues, with a 'Hands on' methodology in which teams formed by researchers and companies will have the opportunity to develop joint solutions based on Artificial Intelligence/HPC in the ecosystem of small and medium enterprises.

The sessions will be 7, of mandatory attendance, and will take place in consecutive weeks, on Fridays, from October 1st until November 12th.

Format:

9:30 a 14:00 – Executive Seminars + Key players talks

The theoretical part of the program where the main topics and trends of each session will be exposed. Internal facilitators and Invited Guests experts on each topic will be guiding the Executive seminars. Talks of key players on the Spinoff and Startup Ecosystem. All sessions will be conducted in English.

14:00 a 15:30 - Networking

Time for lunch and networking with The Spinoff Journey Community. Sharing projects and knowledge to get to know the other departments and colleagues' experiences.

15:30 a 17:00 - Teams: SMEs + Researchers || Researchers + Program Facilitators

Practical sessions in which the knowledge will be applied in each real project with the guidance of internal facilitators, it will be the time to work together with representatives of SMEs.

We will work together, in groups of teams formed by companies and researchers, to 1) solve specific challenges that arise within the private ecosystem, and 2) explore the different value propositions presented for the construction of specific spin-offs.

I'm a company. How can I apply?

Please see the requirements for your application **here** and follow the instructions, any application that does not follow the set criteria will be discarded.

- ★ You should send your application by the end of June 30th 2021 (GMT+2).
- ★ Should you have any doubt please contact: eurocc@res.es

I'm a researcher. How can I apply?

Please see the requirements for your application **here** and follow the instructions, any application that does not follow the set criteria will be discarded.

- ★ You should send your application by the end of June 30th 2021 (GMT+2).
- ★ Should you have any doubt please contact: techtransferoffice@bsc.es

Program

Innovation Journey Bootcamp: 1st October - 12th November 2021

strategy map

	DAY 1. IDENTIFYING A GOOD IDEA	DAY 2. FROM IDEA TO BUSINESS	DAY 3. HOW TO APPROACH THE MARKET
WORKSHOPS	METHODOLOGIES: IDEA AND TECH. VALIDATION' PROTOTYPING AND DESIGN THINKING	LEAN STARTUP METHODOLOGY. BUSINESS MODEL CANVAS: STRATEGY AND PLANNING VALUE PROPOSITION	STRUCTURES AND LEGAL FORMULAS: PATENTS, LICENSES, BSC MODEL B2B VS. B2C
GUEST	DESIGN THINKING EXPERT AND ENTREPRENEUR FROM VENTURE BUILDER	ENTREPRENEUR SEED/SERIES A	LEGAL EXPERT BSC REPRESENTATIVE BSC SPINOFFS
HANDS ON	TEAMWORK SME + RESEARCHERS - RESEARCHERS + PROGRAM FACILITATORS		

	DAY 4. FUNDRAISING	DAY 5. ORGANIZATIONAL MANAGEMENT	DAY 6. PITCH AND RECAP	DAY 7. CLOSING EVENT
WORKSHOPS	FUNDING STRATEGIES: PUBLIC VS. PRIVATE. SUBSIDIES AND GRANTS: THE FIRST RESOURCES.	SKILLSET DIAGNOSTIC: WHO I AM AS A LEADER? SHAREHOLDERS AGREEMENT CORE TEAM - PROJECT MANAGEMENT	PREPARING FOR THE FINAL SESSION "THE PITCH: INVESTORS, PARTNERS, CLIENTS" RECAP OF THE JOURNEY.	PRESENTATION OF THE MVPs
GUEST	BUSINESS ANGEL/ VENTURE CAPITAL/ PUBLIC REP./ BSC REPRESENTATIVE	ECOSYSTEM KEY PLAYERS: TECH CITY, BARCELONA ACTIVA, ETC...	PITCH EXPERT	PRESENTATION OF THE ACTION PLANS FOR THE NEXT MONTHS
HANDS ON	TEAMWORK SME + RESEARCHERS - RESEARCHERS + PROGRAM FACILITATORS			CLOSING CEREMONY

What's next?

Future action plans **after the completion of the program** may include:

- Access to HPC resources (via Spanish Supercomputing Network calls)

- Testing of HPC applications on testbed (provided by the EuroCC Spain consortium) within its services will offer to the companies interested, the possibility to test their solutions.

- Other services provided by EuroCC Spain: access to HPC knowledge/experts; training courses; HPC-related events; networking opportunities; etc.

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EuroHPC Joint Undertaking