

20th Triple Helix Conference

Governing new and traditional partnerships
for innovation and development
in the post-pandemic world



**Florence
Italy**

2022
27 JUNE
29 JUNE

 **TRIPLEHELIX**
UNIVERSITY INDUSTRY GOVERNMENT association



UNIVERSITÀ
DEGLI STUDI
FIRENZE
Scuola di
Economia e
Management

UNIVERSITÀ
DEGLI STUDI
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DISEI
DIPARTIMENTO DI
SCIENZE PER L'ECONOMIA
E L'IMPRESA

www.triplehelixconference2022.org

20th Triple Helix Conference

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WELCOME TO FLORENCE!

We are living in a time of tremendous changes. The Covid-19 has disrupted our way of life and has exacerbated the economic, societal, and environmental challenges we were already facing. The recent war in Ukraine is another tragic factor of disruption. We firmly believe that the co-creation of knowledge and the collaboration mechanisms among different actors embedded in innovation (eco)systems are crucial to build new sustainable paths of development for the wellbeing of our society.

The 20th Triple Helix Conference has the aim to bring together leading scholars, policy makers and practitioners from different fields and sectors to advance the understanding of the dynamics between science, the social sector, industry and governmental institutions under the contemporary challenges.

Enjoy the Conference!



Marco Bellandi
2022 Conference Chair

A handwritten signature in black ink, appearing to read 'Marco Bellandi'.



Josep Pique
THA President

A stylized handwritten signature consisting of a vertical line and a horizontal line intersecting.

COMMITTEES

SCIENTIFIC COMMITTEE MEMBERS

Marco Bellandi (University of Florence, Italy) – 2022 Conference Chair
Josep Pique (La Salle - Ramon Llull University, Spain) – THA President
Monica Barni (University for foreigners of Siena, Italy)
Andrea Bonaccorsi (University of Pisa, Italy)
Guido Bortoluzzi (University of Trieste, Italy)
Yuzhuo Cai (Tampere University, Finland)
Mario Calderini (Polytechnic University of Milan, Italy)
Annalisa Caloffi (University of Florence, Italy)
Elisabetta Cerbai (LENS, Italy)
Dimitri Corpakis (Former EU official, Belgium)
Chiara Di Guardo (University of Cagliari, Italy)
Fulvio Esposito (University of Camerino, Italy)
Emanuele Fiore (National Research Council - CNR, Italy)
Christiane Gebhardt (Drees & Sommer, Switzerland)
Marcelo Goncalves do Amaral (Fluminense Federal University, THA Executive Committee Member, Brazil)
Rosa Grimaldi (University of Bologna, Italy)
Donato Iacobucci (Polytechnic University of Marche, Italy)
Lelio Iapadre (University of l'Aquila, Italy)
Caterina Meglio (Materias CEO, Italy)
Emilio Paolucci (Polytechnic University of Turin, Italy)
Andrea Piccaluga (Sant'Anna School of Advanced Studies, Italy)
Marco Pierini (University of Florence, Italy)
Adrian Solomon (SEERC, Greece)
Branca Terra (Federal University of the State of Rio de Janeiro, Brazil)
Emanuela Todeva (Past President, Research Centre for Business Clusters, Networks and Economic Development, UK)
Lorenzo Zanni (University of Siena, Italy)

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Monica Barni (University for foreigners of Siena, Italy)
Marco Bellandi (University of Florence, Italy)
Andrea Bonaccorsi (University of Pisa, Italy)
Elisabetta Cerbai (LENS, Italy)
Andrea Piccaluga (Sant'Anna School of Advanced Studies, Italy)
Marco Pierini (University of Florence, Italy)
Lorenzo Zanni (University of Siena, Italy)

LOCAL ORGANIZING COMMITTEE - UNIVERSITY OF FLORENCE

Marco Bellandi
Mario Biggeri
Annalisa Caloffi
Letizia Donati
Amir Maghssudipour

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KEYNOTE SPEAKERS



Prof. Jerome S. Engel
(UC Berkeley University, USA)



Prof. Louise Kempton
(Newcastle University, UK)



Prof. Luigi Nicolais
(Materias s.r.l., Italy)



Prof. Josep Pique
(La Salle - Ramon Llull University, Spain)



Prof. Daria Tataj
(University of Manchester, UK)

TIMETABLE

	Monday, 27 June 2022	Tuesday, 28 June 2022	Wednesday, 29 June 2022
08:50-09:50		Parallel Special Sessions SSe.1 SSe.2 SSe.3 SSe.4	Parallel Ordinary Sessions OS.10 OS.11 OS.12 OS.13
10:00-11:00		Parallel Ordinary Sessions OS.1 OS.2 OS.3 OS.4	Parallel Special Sessions SSe.9 SSe.10 SSe.11 SSe.12
11:00-11:20		Coffee break	Coffee break
11:20-12:20		Parallel Ordinary Sessions OS.5 OS.6 OS.7 OS.8 OS.9	Parallel Ordinary Sessions OS.14 OS.15 OS.16 OS.17
12:30-13:30		Parallel Special Sessions SSe.5 SSe.6 SSe.7 SSe.8	Parallel Ordinary Sessions OS.18 OS.19 OS.20 OS.21 OS.22
13:30-14:30	Registration	Lunch	Lunch
14:30-16:00	Opening & Plenary Welcome by Conference Chair Marco Bellandi and THA President Josep Pique ----- Keynote speech by Luigi Nicolais Introduction by Henry Etzkowitz	Plenary (Keynote dialogue) Jerome Engel Daria Tataj	Plenary (Keynote dialogue) Louise Kempton Josep Pique
16:00-16:20	Coffee break	Coffee break	Coffee break
16:20-17:50	Semi Plenary 1 EC JRC presents Partnerships for Regional Innovation (PRI) Semi Plenary 2 Triple Helix Master Class	Semi Plenary 3 Helixes for Peace (H4P) Semi Plenary 4 ACEEU Triple E Awards and Accreditation Ceremony	Semi Plenary 7 Ecosystems for Social Innovation and Urban Regeneration in Italy Semi Plenary 8 TT Meet the Editors [open online]
18:00-19:00	Time for transfer to Innovation Center Auditorium - Fondazione CR Firenze	Semi Plenary 5 The Evaluation of the Social Impact of the University: the Italian experience (National Agency for the Evaluation of Universities and Research Institutes) Semi Plenary 6 Cluster of Innovation in the Age of Disruptions (Book presentation)	Award Ceremony Conclusions and launch of the next edition
19:15-20:15	Plenary at Innovation Center Auditorium- Fondazione CR Firenze: Italian Banking Foundations as Institutional Intermediaries in Local Development and Innovation Processes		
20:30	Technical Tour and Aperitif at the Innovation Center with visit to Nana Bianca business accelerator and other spaces	Gala dinner (information, reservation and payment on site)	

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MONDAY, 27 JUNE 2022

13:30 Registration
14:30

ROOM D6.018

14:30 Opening & Plenary
16:00

14:30 Welcome by Conference Chair, **Marco Bellandi**, and THA President, **Josep Pique**

14:45 Welcome Messages by **Andrea Paci** (*President of the School of Economics and Management, University of Florence, Italy*),
Giorgia Giovannetti (*Delegate to International Relations, University of Florence, Italy*)
Thorsten Kliewe (*ACEEU, Accreditation Council for Entrepreneurial and Engaged Universities*)

15:10 Keynote speech
NEXT GENERATION EU AND THE NEED OF MULTI-LEVEL INNOVATION ECOSYSTEMS - AN ITALIAN PERSPECTIVE
Luigi Nicolais (*President of Materias srl and Professor Emeritus, University of Naples, Federico II, Italy*)

15:50 Triple Helix Micro foundations and Ethics
Henry Etzkowitz (*Founder Triple Helix Association, co-founder and CEO International Triple Helix Institute (ITHI), Silicon Valley*)

16:00 Coffee break
16:20

ROOM D6.013

16:20 Semi Plenary 1. “EC JRC presents Partnerships for Regional Innovation (PRI)”

17:50 Chairs: **Luc Soete** (*UNU-MERIT and Maastricht University, The Netherlands*),

Daria Tataj (*University of Manchester, UK, Vice-President THA*),

Mikel Landabaso (*Director, EC JRC, Sevilla, Spain*) (keynote)

Monika Matusiak (*EC JRC Sevilla, Spain*)

Marina Ranga (*EC JRC Sevilla, Spain, and University of Warsaw, Poland*)

Organized by the Joint Research Center of the European Commission in Sevilla, the session will present the last JCR Report on Partnerships for Regional Innovation, and it will invite discussion on relations with TH approaches and experiences.

MONDAY, 27 JUNE 2022

ROOM D6.018

16:20 Semi Plenary 2. "Triple Helix Master Class"

17:50 Chairs: **Marcelo Amaral & Tariq Durrani** (*University of Strathclyde, UK*)

Marcelo Amaral (*Fluminense Federal University, Brazil*)

Emanuela Reale (*CNR-IRCRES, Italy*)

Alessandro Monti (*Fondazione per la Ricerca e l'Innovazione, Italy*)

Mario Calderini (*Polytechnic University of Milan*)

17:50 Time for transfer to Innovation Center Auditorium - Fondazione CR Firenze

19:00

INNOVATION CENTER AUDITORIUM by Fondazione CR Firenze

19:15 Plenary

20:15 "Italian banking foundations as institutional intermediaries in local development and innovation processes"

Alberto Francesco Anfossi (*Fondazione Compagnia di San Paolo, Torino, Italy*)

Gabriele Gori (*Fondazione CR Firenze, Italy*)

Roberto Saro (*Fondazione Cariparo, Italy*)

Chair: **Mario Calderini** (*Polytechnic University of Milan, Italy*)

Organized by Fondazione CR Firenze, the main partner of THC 2022, the session will put together the experiences of three important Italian banking foundations in supporting helical partnerships in their territories.

20:15 Aperitif and technical tour at the Innovation Center

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TUESDAY, 28 JUNE 2022

ROOM D6.001

08:50 SPECIAL SESSION 1

09:50 NEW APPROACHES TO START-UPS' SUPPORT AND FUTURE SCENARIO TO BOOST SUSTAINABLE DEVELOPMENT WITHIN INNOVATION ECOSYSTEMS

Chair: **Emanuele Fiore** (*National Research Council-CNR, IPCB and THA Executive Committee, Italy*)

Florence innovation ecosystem: actors, actions, achievements and future ahead

Alessandro Monti (*Fondazione Ricerca e Innovazione*)

Ecosystems of Innovation: the path to grow

Josep Pique (*La Salle - Ramon Llull University, Spain*)

Materias: a new model for developing innovative science-based technologies

Caterina Meglio (*Materias srl*)

Regional innovation poles and knowledge diffusion in Italy: the case of the Abruzzo region

Lelio Iapadre (*University of L'Aquila, Italy*)

ROOM D6.007

08:50 SPECIAL SESSION 2

09:50 THEORETICAL FOUNDATION AND EMPIRICAL EXPLORATION OF THE ECOSYSTEM CONCEPT IN INNOVATION AND ENTREPRENEURSHIP STUDIES - NEW APPLICATIONS AND DIRECTION FOR FUTURE RESEARCH

Chair: **Letizia Donati** (*University of Florence, Italy*)

Entrepreneurial ecosystem governance: the role of public platforms for innovation

Jasna Pocek (*Lund University, Sweden*)

A Triple helix boundary spanner organisation: developing a digital innovation hub in a peripheral area in Italy

Letizia Donati (*University of Florence, Italy*)

Innovation ecosystems as multidimensional adaptive systems

Erica Santini (*University of Trento, Italy*)

The virtual space as a tool for place-branding of entrepreneurial ecosystems

Claudia Vecciolini (*King's College London, UK*)

ROOM D6.013

08:50 SPECIAL SESSION 3

09:50 CLUSTERS AND SUSTAINABLE REGIONAL DEVELOPMENT: A META-ORGANISATIONAL APPROACH

Chair: **Evgeniya Lupova-Henry** (*University of Applied Sciences Utrecht, The Netherlands*)

Clusters as collective actors in (new) sustainable path development: an evolutionary framework

Evgeniya Lupova-Henry (*University of Applied Sciences Utrecht, The Netherlands*)

Meta-organizing clusters as agents of transformative change through 'responsible actorhood'

Martine Gadille (*LEST CNR Aix Marseille Université, France*)

Innovation clusters as an ecosystem kick starter: strategy-driven MO in place-based Innovation policy

Christiane Gebhardt (*Drees & Sommer SE, Switzerland*)

Are North American clusters transitioning to clean technologies?

Francesco Cappellano (*University of Eastern, Finland*)

TUESDAY, 28 JUNE 2022

ROOM D6.004

08:50 SPECIAL SESSION 4

09:50 CULTURAL AND CREATIVE INDUSTRIES AND THE CHALLENGE OF SUSTAINABLE DEVELOPMENT: OPPORTUNITIES FOR UNIVERSITIES, POLICY, INDUSTRIES AND COMMUNITIES

Chairs: **Elisa Salvador** (*ESSCA School of Management, France*),
Roberta Comunian (*King's College, London, UK*)

How intermediaries support circular economy transitions: the case of fashion industry in New York City
Younghyun Kim (*Columbia University, USA*)

Sustainable creative ecologies and the role of higher education institutions. Lessons from two small-sized UK cities: Dundee and Chatham
Tamsyn Dent (*King's College London, UK*)

Universities as a last resort of sustainable development in the creative city. An inquiry of Venice
Mariangela Lavanga (*Erasmus University Rotterdam, The Netherlands*)

French publishing industry facing sustainable issues: the pressing need to reinvent future
David Piovesan (*Lab. Magellan University Lyon 3, France*)

ROOM D6.013

10:00 ORDINARY SESSION 1

11:00 Chair: **Sandrine Labory** (*University of Ferrara, Italy*)

10:00 200 - PLACE-BASED EDUCATION FOR REGIONAL DEVELOPMENT IN A TRANSFORMING WORLD
S. Labory* (*University of Ferrara, Italy*), **V. Mini, J. Al Sahily**

10:15 116 - INSTITUTIONAL INNOVATION IN UNIVERSITY-BASED EXPERIMENTAL SPACES: THE CASE OF EDUCATIONAL LAB IN FINLAND
V. Pokidina* (*Oulu Business School, Finland*), **J. Tuunainen, T. Mainela**

10:30 198 - IMPROVING STARTUP-TEAMS SUPPORTS IN VCL SCENARIO: THE ROLE OF E-MENTORING
L. Raeisy* (*Shiraz University, Iran*)

10:45 191 - TOWARD A SYNERGETIC EDUCATIONAL MODEL VIA UNIVERSITY-INDUSTRY COLLABORATION
R. Outamha* (*University of Hassan II, Casablanca, Morocco*)

ROOM D6.007

10:00 ORDINARY SESSION 2

11:00 Chair: **Devrim Goktepe-Hulten** (*Lund University, Sweden*)

10:00 16 - VALORISATION OF SUSTAINABLE RESEARCH AND INNOVATION INFRASTRUCTURES IN REGIONAL INDUSTRIAL ECOSYSTEMS
H. Puurtinen* (*Tampere University of Applied Sciences, Finland*), **P. Pohjola**

10:15 199 - INVESTIGATING THE DETERMINANTS OF THE ENVIRONMENTALLY-SUSTAINABLE ENTREPRENEURIAL ORIENTATION OF UNIVERSITY STUDENTS IN ITALY
C. Giglio* (*Mediterranean University of Reggio Calabria, Italy*)

10:30 56 - INNOVATION AND COMPETITIVE ADVANTAGE IN ITALIAN CLUSTERS: THE PAPER SECTOR IN TUSCANY
G. Vitali* (*Consiglio Nazionale delle Ricerche, Moncalieri, Italy*)

10:45 40 - KNOWLEDGE MANAGEMENT IN INNOVATIVE COMPANIES IN THE INDUSTRIAL POLE OF MANAUS: A CASE STUDY
E. Yaskara de Melo Jinkings, R. Sbragia* (*University of Sao Paulo, Brazil*)

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TUESDAY, 28 JUNE 2022

ROOM D6.004

10:00 ORDINARY SESSION 3

11:00 Chair: **Virginia Trigo** (*ISCTE, University Institute of Lisbon, Portugal*)

10:00 51 - THE ROLE OF NATIONAL ACADEMIES IN EXPLOITING THE TRIPLE HELIX PARADIGM TO CATALYSE RESPONSE, RECOVERY AND RESILIENCE TO COVID-19
T. Durrani* (*University of Strathclyde, United Kingdom*), **S. Forbes**

10:15 85 - THE HEALTHCARE ACTOR AS AN INNOVATOR IN MEDICAL DEVICE DEVELOPMENT
F. Salie* (*University of Cape Town, South Africa*)

10:30 94 - ENTREPRENEURIAL EDUCATION IN A MEDICAL CONTEXT - THE EFFECT OF ENTREPRENEURIAL ORIENTATION ON THE PERFORMANCE OF DIGITAL HEALTH STARTUPS
P. Schuh* (*Westfälische Wilhelms-Universität Münster, Germany*), **P. Rasche**

10:45 20 - APPROACHING E-HEALTH CONCEPT: ADVANTAGES, DISADVANTAGES, AND FUTURE DEVELOPMENT
B. Nieves-Soriano, J. Uribe-Toril, J. Ruiz-Real* (*University of Almeria, Spain*)

ROOM D6.001

10:00 ORDINARY SESSION 4

11:00 Chair: **Amir Maghssudipour** (*University of Florence, Italy*)

10:00 37 - DISSEMINATION STRATEGY
L. Affatato* (*IPCB, Pozzuoli, Italy*)

10:15 146 - A TRIPLE HELIX ACCELERATION PROGRAM FOR START-UP: A CASE STUDY BASED IN FLORENCE
L. Donati, A. Maghssudipour* (*University of Florence, Italy*), **M. Bellandi**

10:30 123 - HOW DOES THE LOCALIZATION OF INNOVATIVE START-UPS NEAR THE UNIVERSITIES INFLUENCE THEIR PERFORMANCE?
A. Micozzi* (*Universitas Mercatorum, Rome, Italy*), **V. Giannini**

10:45 153 - THE RELATION BETWEEN ECO-INNOVATION AND BUSINESSES: A BIBLIOMETRIC ANALYSIS
L. Vaz* (*Universidade da Beira Interior, Covilhã, Portugal*), **L. Ferreira, M. Madeira, V. Trigo**

11:00 *Coffee break*

11:20

ROOM D6.013

11:20 ORDINARY SESSION 5

12:20 Chair: **Marco Bellandi** (*University of Florence, Italy*)

11:20 118 NESTED MULTI-LEVEL AND MULTI-HELIX INNOVATION DYNAMICS
L. De Propris*, M. Bellandi (*University of Florence, Italy*)

11:35 55 - TRIPLE HELIX 'INFORMED' INDUSTRIAL TRANSFORMATIONS: THREE EXAMPLES IN AMERICAN HISTORY
M. Best* (*Old Marston, Oxford, United Kingdom*)

11:50 134 - MULTIDIMENSIONAL PROXIMITY AND COOPERATIVE INNOVATION: EVIDENCE FROM CHINA'S HIGH-TECH INDUSTRY
M. Xiao* (*China University of Geosciences, Wuhan, China*)

12:05 127 - INNOVATION AND PARTNERSHIPS IN TACKLING THE COVID-19 PANDEMIC: REPORTS FROM THE BRAZILIAN INNOVATION SYSTEM
F. Lefevre, R. Faria, R. Pinheiro-Machado, P. Pereira Peralta, S. Carvalho* (*National Institute of Intellectual Property Rio de Janeiro, Brazil*)

TUESDAY, 28 JUNE 2022

ROOM D6.007

11:20 ORDINARY SESSION 6

12:20 Chair: **Alexander Heichlinger** (*GovInsight - Member of the Board of the THA, Spain*)

11:20 113 - INNOVATIVE CAPACITY IN TRIPLE HELIX PLATFORMS: AN ASSESSMENT OF NETWORK EFFICIENCY AND SOCIAL LEARNING

H. Mudde* (*Maastricht School of Management, The Netherlands*), **A. Deresse**

11:35 168 - FACULTY'S MOTIVATION TO PARTICIPATE IN UNIVERSITY-INDUSTRY COLLABORATION: EMPIRICAL ANALYSIS FROM CHINESE UNIVERSITIES

H. Fan* (*East China University of Science and Technology, Shanghai, China*)

11:50 169 - EMBRACING HETEROGENEITY ACROSS KIE FIRM TYPES FOR THE EVALUATION OF SBIR-LIKE PROGRAMS: EVIDENCE FROM BRAZIL

S. Salles-Filho* (*University of Campinas, Brazil*), **B. Fischer, Y. Juk, F. Colugnati**

12:05 188 - ACADEMIC-CORPORATE COLLABORATION: THE BRAZILIAN CENTER FOR RESEARCH IN ENERGY AND MATERIALS PROJECT CASE

S. Salles-Filho, A. Bin* (*University of Campinas, Brazil*), **A. Spatti, Y. Juk**

ROOM D6.005

11:20 ORDINARY SESSION 7

12:20 Chair: **Virginia Trigo** (*ISCTE, University Institute of Lisbon, Portugal*)

11:20 109 - KNOWLEDGE ECONOMY FOR SOCIAL DEVELOPMENT INITIATIVE

D. Piaggese* (*Knowledge for Development (K4D), Alexandria, USA*)

11:35 131 - APPROPRIABILITY OF SOCIAL INNOVATIONS BY INTELLECTUAL PROPERTY RIGHTS: THE CASE OF A SUSTAINABLE BRAZILIAN COMPANY

F. Lefevre* (*Federal Institute of Professional Education in Science and Technology, Rio de Janeiro, Brazil*)

11:50 141 - BUILDING LONG-TERM PROSPERITY FOR A METROPOLITAN'S PERIPHERY

P. Tero* (*Swinburne University, Melbourne, Australia*)

12:05 185 - CASE: PRO_MOVE LAJEADO, AN INNOVATION CITY MOVEMENT FOSTERED BY THE TRIPLE HELIX

C. Fortes Zanin* (*AGIL - Agencia de Inovação Local / Vale do Taquari - RS, Lajeado, Brazil*)

ROOM D6.004

11:20 ORDINARY SESSION 8

12:20 Chair: **Mario Biggeri** (*University of Florence, Italy*)

11:20 5 - A JUSTICE-BASED GOVERNANCE APPROACH FOR TRIPLE-HELIX PARTNERSHIP

R. Dill Zuquetto* (*Universidade do Vale do Rio dos Sinos, Porto Alegre, Brazil*), **B. Volkmer Martins**

11:35 21 - UNIVERSITY SOCIAL ENTREPRENEURSHIP AND TRIPLE HELIX

M. Coletti* (*Grenoble Ecole de Management, Grenoble, France*), **M. Fink, D. Maresch**

11:50 78 - A COMPREHENSIVE MODEL FOR INNOVATION ECOSYSTEMS

C. Toth* (*ZalaZONE Science Park Ltd., Zalaegerszeg, Hungary*), **A. Hary**

12:05 97 - REDESIGNING BUSINESS SCHOOLS FOR THE WEB 3.0 ECONOMY: EXPLORING THE IMPLICATIONS AND PERTINENCE OF THEORY U

D. Gopalkrishnan* (*Middlebury College, San Francisco, USA*), **N. Jackson**

20th Triple Helix Conference

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TUESDAY, 28 JUNE 2022

ROOM D6.001

11:20 ORDINARY SESSION 9

12:20 Chair: **Annalisa Caloffi** (*University of Florence, Italy*)

11:20 88 - QUADRUPLE AND QUINTUPLE HELICES: A SCIENTIFIC PRODUCTION OVERVIEW
P. Rosa, R. Sartori* (*UniCesumar, Maringá, Brazil*), **H. Machado**

11:35 69 - MAPPING INNOVATION INTERMEDIARIES' TYPES AND FUNCTIONS: A COMPUTATIONAL REVIEW OF THE LITERATURE
A. Caloffi* (*University of Florence, Italy*), **A. Colovic, V. Rizzoli, F. Rossi, M. Russo**

11:50 144 - OPEN INNOVATION TEST BEDS AS INNOVATIVE TRANSNATIONAL COOPERATIVE ASSOCIATIONS TO FOSTER INNOVATIONS AND TECHNOLOGY TRANSFERS: THE NEWSKIN OITB CASE
R. Herault* (*ALPHA-RLH, Talence, France*), **C. Del Castillo, I. Tovenca Pecault**

12:05 10 - TOWARDS AN ENTREPRENEURIAL UNIVERSITY? THE ANALYSIS OF THE FLUMINENSE FEDERAL UNIVERSITY INITIATIVES
T. de Sá Carvalho Veasco* (*Universidade Federal Fluminense, Volta Redonda, Brazil*), **E. dos Reis Carraro, M. Amaral**

ROOM D6.007

12:30 SPECIAL SESSION 5

13:30 DEEPENING UNDERSTANDING ON INNOVATION AND ENTREPRENEURSHIP FROM AFRICA: TRANSFORMATIONS, TRIPLE HELIX ACTORS INTERACTIONS, AND GOVERNANCE
Chair: **Chux Daniels** (*University of Sussex, UK*)

Operationalising multi-country innovation and entrepreneurship support programmes in Africa. What does it take?
Flora Ismail Tibazarwa (*Ecotek Limited, Tanzania*)

Advancing innovation and entrepreneurship in Africa: a focus on ecosystem strengthening and inclusion of women and girls in digital technologies
Diyé Dia (*ARISTARC Consultancy Ltd, Dakar, Senegal*)

Innovation policies for transformation in Africa: indicators, measurements, and impacts
Michael Kahn (*Stellenbosch University, South Africa*)

Governing innovation and technology ecosystems for transformative change in Africa: perspectives from Nigeria
Abiodun Egbetokun (*National Centre for Technology Management, Ile-Ife, Nigeria*)

ROOM D6.001

12:30 SPECIAL SESSION 6

13:30 ENTREPRENEURSHIP EDUCATION IN THE CONTEXT OF TH APPROACHES
Chairs: **Rosa Grimaldi** (*University of Bologna, Italy*),
Donato Iacobucci (*Polytechnic University of Marche, Italy*)

Entrepreneurial education in European universities
Rosa Grimaldi (*University of Bologna, Italy*), **Donato Iacobucci** (*Polytechnic University of Marche, Italy*)

Knowledge, Innovation and entrepreneurship opportunities: the experience of Italian contaminationLabs
Maria Chiara Di Guardo (*University of Cagliari, Italy*)

Entrepreneurial education within OECD: a focus on assessment schemes
Raffaele Trapasso (*OECD, France*)

Entrepreneurial education within Italian public research organizations: the NETVAL perspective on raising entrepreneurial awareness within TTOs
Giuseppe Conti (*NETVAL and IUSS, Pavia, Italy*)

TUESDAY, 28 JUNE 2022

ROOM D6.004

12:30 **SPECIAL SESSION 7**

13:30 ENTRETIME - TIME TO BECOME MORE ENTREPRENEURIAL UNIVERSITIES, TEACH THROUGH ENTREPRENEURSHIP AND CONNECT LOCAL ENTREPRENEURIAL ECOSYSTEMS INTERNATIONALLY

Chair: **Audrey Stolze** (*Strascheg Center for Entrepreneurship, HM Hochschule München University of Applied Sciences, Germany*)

What is universities role in society and why quadruple helix dynamics matter

Slavica Singer (*University of Osijek, Croatia*)

From learning to acting inside the classroom: Entrepreneurial coaching for creating business models

Milena Stoycheva (*Junior Achievement, Bulgaria*)

The future of Entrepreneurial Universities and why we must connect ecosystems internationally

Klaus Sailer (*Strascheg Center for Entrepreneurship, HM Hochschule München University of Applied Sciences, Germany*)

ROOM D6.013

12:30 **SPECIAL SESSION 8**

13:30 A NEW INTERVENTION LOGIC MOBILISING INNOVATION ECO-SYSTEMS, UNIVERSITIES AND PLACES: TOWARDS A NEW FORM OF REGIONAL INTELLIGENCE

Chair: **Dimitri Corpakis** (*Friends of Smart Specialisation, former EU official, Belgium*)

Using regional competitive intelligence to design result-oriented innovation strategies

Christian Saublens (*former CEO of EURADA-European Association of Development Agencies, Belgium*)

Governance creating novel and complex innovation ecologies

Fatime Barbara Hegyi (*former Joint Research Centre, European Commission, Spain*)

Towards a future-oriented regional development

Lucia Seel (*Independent Expert, Austria*)

Presenting a study on prioritisation in smart specialisation strategies in the EU

Jan-Philipp Kramer (*EU-Services at Prognos AG, Belgium*)

13:30 Lunch

14:30

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TUESDAY, 28 JUNE 2022

ROOM D6.018

14:30 Plenary (Keynote dialogue)

16:00 NEW PARTNERSHIPS FOR INNOVATION AND DEVELOPMENT FACING CONTEMPORARY GLOBAL CHALLENGES

Chair: **Virginia Trigo** (ISCTE, University Institute of Lisbon, Portugal)

Jerome Engel (UC Berkeley University, USA) The clusters of innovation and the need of a culture of multi-actor collaboration: an USA perspective

Daria Tataj (University of Manchester, UK, Vice-President THA) Network Intelligence (nIQ). How to make innovation partnerships actually thrive

16:00 Coffee break

16:20

ROOM D6.013

16:20 Semi Plenary 3. "Helixes for Peace (H4P)"

17:50 Chair: **Alexander Heichlinger** (GovInsight - Member of the Board of the THA, Spain)

Elias Carayannis (George Washington University, USA)

David Campbell (University of Vienna, Austria)

Giorgia Giovannetti (Delegate for international relations of the University of Florence and EUNIWELL networks, Italy)

Promoted by the board of the THA, it will discuss how the triple helix framework incorporating, together with novelty production, value creation in markets, and public regulation, also environmental sustainability and democratic participation, may give insights and the foundation for guidance for social progress, well-being strategies, and peace as precepts and prerequisites for smart, sustainable and inclusive growth.

ROOM D6.018

16:20 Semi Plenary 4. "Triple E Awards and Accreditation Ceremony"

17:50 Chair: **Thorsten Kliewe** (ACEEU, Accreditation Council for Entrepreneurial and Engaged Universities)

The Accreditation Council for Entrepreneurial and Engaged Universities will announce and present the winners of the ACEEU Triple E Awards 2022.

It is time to celebrate excellence! In the Triple E Awards Ceremony, leaders, practitioners and academics, who are driving entrepreneurship and engagement in higher education, will be recognised as finalists and winners of the European version of the Awards. See also at <https://www.aceeu.org/>

ROOM D6.013

18:00 Semi Plenary 5. The evaluation of the social impact of the university: the Italian experience (VQR Third Mission, ANVUR)

19:00

Chair: **Rosa Grimaldi** (University of Bologna, Italy)

Antonio Felice Uricchio (President of National Agency for the Evaluation of Universities and Research Institutes, Italy)

Sauro Longhi (Polytechnic University of Marche, Italy)

Brigida Blasi (Head of Third mission and Societal Impact Office ANVUR, Italy)

Sandra Romagnosi (Third mission and Societal Impact Office ANVUR, Italy)

Organized by the National Agency for the Evaluation of Universities and Research Institutes - ANVUR, it will present the result of an upgraded exercise of evaluation of the quality of the third mission of the Italian Universities.

ROOM D6.018

18:00 Semi Plenary 6. Cluster of Innovation in the Age of Disruptions (Book presentation)

19:00

Chair: **Jerome Engel** (UC Berkeley University, USA)

Aline Figlioli (University of Brighton, UK)

Josep Pique (La Salle - Ramon Llull University, Spain)

Virginia Trigo (Iscte University Institute of Lisbon, Portugal)

The book (Clusters of Innovation in the Age of Disruption), and its contributing authors on this panel, present a fascinating series of country-specific "case studies" that show the potential and the difficulties associated with growing innovation and entrepreneurial clusters in an era of economic, social, and political disruption.

WEDNESDAY, 29 JUNE 2022

ROOM D6.001

08:50 ORDINARY SESSION 10

09:50 Chair: **Lorenzo Zanni** (*University of Siena, Italy*)

- 08:50 74 - PATHWAY TOWARDS TRIPLE HELIX: TECHNOLOGY DEVELOPMENT EVALUATION IN ETHIOPIAN SCIENCE AND TECHNOLOGY UNIVERSITIES
A. Braun Strelcova* (*Max Planck Institute for the History of Science, Berlin, Germany*), **M. Barekew Liche**
- 09:05 66 - CAN MARKETING BE USEFUL IN IMPROVING RELATIONS BETWEEN ACTORS ON THE INNOVATION SCENE?
A. Jasiński* (*University of Warsaw, Poland*)
- 09:20 170 - TRIPLE HELIX AND INDUSTRY 4.0: A BIBLIOMETRIC ANALYSIS AND SYSTEMATIC LITERATURE REVIEW
N. Fiorini, E. Casprini, T. Pucci, G. Bortoluzzi, L. Zanni* (*University of Siena, Italy*)
- 09:35 87 - IMPLEMENTING THE SCIENCE AND TECHNOLOGY AGENDA THROUGH STATE PROGRAMS FOR THE DEVELOPMENT OF TECHNOLOGIES AND INNOVATIONS WITH THE PARTICIPATION OF TRIPLE HELIX ACTORS
L. Kobzeva* (*National Research Tomsk State University, Tomsk, Russian Federation*), **E. Gribov, M. Snigireva, V. Raevskaya**

ROOM D6.013

08:50 ORDINARY SESSION 11

09:50 Chair: **Mario Biggeri** (*University of Florence, Italy*)

- 08:50 130 - UNCERTAINTY MANAGEMENT IN INNOVATION ECOSYSTEMS
A. Rosa Souza Luz* (*La Salle - Ramon Llull University, Spain*), **K. Faccin, J. Pique**
- 09:05 136 - IMPLEMENTATION OF TRIPLE HELIX RELATIONS FOR SUSTAINABLE CITIES: FUTURE BY LUND
D. Göktepe-Hulten* (*Lund University, Sweden*)
- 09:20 90 - PROPENSITY OF ACADEMICS TO TAKE PART IN THE THIRD MISSION – INDIVIDUAL, ORGANISATIONAL, AND SOCIETAL PREDICTORS OF SOCIO-ECONOMIC ENGAGEMENT
V. Karlsdóttir* (*University of Iceland, Reykjavik, Iceland*)
- 09:35 154 - PROPOSING A FRAMEWORK FOR DEVELOPING INNOVATION DISTRICTS: A PERFORMANCE ASSESSMENT
C. Rapetti* (*La Salle - Ramon Llull University, Spain*), **J. Pique, H. Etzkowitz, J. Duran Encalada, D. Grimaldi, F. Miralles**

ROOM D6.004

08:50 ORDINARY SESSION 12

09:50 Chair: **Monica Barni** (*University for foreigners of Siena, Italy*)

- 08:50 50 - UNIVERSITY ALLIANCES: HOW TRANSNATIONAL COLLABORATION FACILITATES AND/OR INHIBITS REGIONAL RELEVANCE
L. Zenkiene* (*TU Dortmund University, Dortmund, Germany*), **L. Leisyte**
- 09:05 95 - TRIPLE HELIX AND LEADERS OF THE WORLD: A MODEL FOR INTERNATIONAL ENGAGEMENT IN EDUCATION, INDUSTRY, GOVERNMENT, NONPROFIT INSTITUTIONS, AND COMMUNITIES
J. Williams* (*Virginia Polytechnic Institute and State University, Hertford, USA*)
- 09:20 121 - CHALLENGES AND STRATEGIES FOR THE INTERNATIONALIZATION OF HIGHER EDUCATION IN AFRICA TO CONNECT TO GLOBAL KNOWLEDGE
M. Moshtari, A. Safarpour* (*Tampere University, Finland*), **M. Taheriruh**
- 09:35 182 - ACADEMIC DIASPORA ENGAGEMENT TO ENHANCE INTERNATIONALIZING OF HIGHER EDUCATION INSTITUTIONS
M. Moshtari, M. Ghorbani* (*Sharif University of Technology, Tehran, Iran*)

20th Triple Helix Conference

Governing new and traditional partnerships for innovation and development in the post-pandemic world

WEDNESDAY, 29 JUNE 2022

ROOM D6.007

08:50 ORDINARY SESSION 13

09:50 Chair: **Daria Tataj** (*University of Manchester, UK*)

08:50 183 - UNIVERSITY-INDUSTRY COOPERATION WITHIN THE TUSCAN WINE SECTOR: SOCIAL INNOVATION IMPLICATIONS

J. Cammeo* (*University of Siena, Italy*), **L. Zanni**, **E. Casprini**

09:05 28 - BARRIERS OF ENTRY FOR FEMALE ENTRENEURSHIP: THE EXPERIENCE OF THE INLAND RURAL AREAS IN ALMERÍA (SPAIN)

J. Uribe-Toril* (*University of Almeria, Spain*), **J. de Pablo Valenciano**, **J. Milan García**, **N. Rueda López**

09:20 67 - AHEAD OF - NOT BEHIND THE PANDEMIC: SINGAPORE' STRATEGIES IN THE AQUACULTURE SECTOR TOWARD FOOD SECURITY

R. Kamondetdacha* (*School of Agricultural Resources, Bangkok, Thailand*)

ROOM D6.004

10:00 SPECIAL SESSION 9

11:00 S&T PARKS FOR TRIPLE HELIX GROWTH

Chair: **Emanuela Todeva** (*Research Center Business Clusters, Networks & Economic Development, London UK*)

Role of S&T parks in the technological equality in the world

Rahmat Ullah (*Sialkot Technology Park, University of Sialkot, Pakistan*)

Role of S&T parks and technology diffusion: policy for industrial clusters

Emanuela Todeva (*Research Center Business Clusters, Networks & Economic Development, London UK*)

ROOM D6.007

10:00 SPECIAL SESSION 10

11:00 DESIGN, INNOVATION AND CITIES: WHAT CHALLENGES FOR POLICY MAKING

Chair: **Grazia Concilio** (*Politecnico di Milano, Italy*)

Cities as farms of innovation epiphanies. Evidence from the playground

Francesco Molinari (*designscapes.eu Project Manager, ANCI Toscana, Italy*)

Building capacity through collaborative reflection with successful projects

Ingrid Mulder (*TU Delft, Participatory City Making lab, The Netherlands*)

What challenges for cities and design?

Grazia Concilio (*Politecnico di Milano, Italy*)

From missions to cities through design: what goals for policy making?

Nicola Morelli (*Aalborg University, Denmark*)

WEDNESDAY, 29 JUNE 2022

ROOM D6.013

10:00 SPECIAL SESSION 11

11:00 THE TRIPLE HELIX MODEL AT REGIONAL LEVEL: HOW TRIPLE HELIX CHAPTERS FACILITATE POST COVID RECOVERY: IDEAS, ACTIONS, RESEARCH AND POLICY RECOMMENDATIONS

Chair: **Aline Figlioli** (*University of Brighton, UK*)

Triple Helix Chapter Kazakhstan: the new matrices of economic systems
Elmira Eralina (*Turan University, Kazakhstan*)

Examples of the Triple Helix model implementation as a response to the pandemic: rethinking regional economy specializations, mass retraining for people who have lost their jobs, designing a new city district.
Liana Kobzeva (*Tomsk State University, Russia*)

Mobilisation and integration of research & development in Nigeria using Triple Helix
Abdulmalik Halilu (*Nigerian Content Development and Monitoring Board - NCDMB, Nigeria*)

ROOM D6.001

10:00 SPECIAL SESSION 12

11:00 PATHS TOWARDS A COMMON SUSTAINABILITY AGENDA

Chair: **Mario Biggeri** (*University of Florence, Italy*)

Shared agendas for sustainability and social change in the Catalonian region
Alejandra Boni (*Universitat Politècnica de València, Spain*)

Reshaping sociotechnical systems to achieve societal challenges: the role of systemic meta-intermediaries

Elena Prodi (*University of Bologna, Italy*)

Industrial policy, structural change sustainability and the role of innovation agencies
Lorenzo Cresti (*Sant'Anna School of Advanced Studies, Pisa, Italy*)

The engine of quadruple helix for sustainable human development: the role of civicness and spirituality
Mario Biggeri (*University of Florence, Italy*)

11:00 Coffee break

11:20

ROOM D6.013

11:20 ORDINARY SESSION 14

12:20 Chair: **Annalisa Caloffi** (*University of Florence, Italy*)

11:20 124 - NEO-TRIPLE HELIX MODEL OF INNOVATION ECOSYSTEMS: INTEGRATING TRIPLE, QUADRUPLE AND QUINTUPLE HELIX MODELS

Y. Cai* (*Tampere University, Finland*)

11:35 164 - THE TRIPLE HELIX RELATIONSHIPS: A PARADIGM FOR FUTURE STUDIES AND TECHNOLOGY FORESIGHT
E. Martini* (*G. Fortunato University, Benevento, Italy*)

11:50 76 - THE INHIBITORS TO THE COMMERCIALIZATION OF UNIVERSITY INVENTIONS
E. Ughetto* (*Polytechnic University of Turin, Italy*), **E. Paolucci**, **D. Battaglia**

12:05 189 - THE TRIPLE HELIX MODEL EVOLUTION: A SOCIAL NETWORK ANALYSIS
M. Schocair* (*São Paulo University, Brazil*), **G. Porto**, **A. Dias**, **S. Galina**, **M. Amaral**

20th Triple Helix Conference

Governing new and traditional partnerships for innovation and development in the post-pandemic world

WEDNESDAY, 29 JUNE 2022

ROOM D6.001

11:20 ORDINARY SESSION 15

12:20 Chair: **Josep Pique** (*La Salle - Ramon Llull University, Spain*)

11:20 73 - STRUGGLE OR FAST VICTORY? A COMPETENCE-BASED APPROACH TO SPIN-OFF FIRMS ACTIVE IN ENERGY INVENTIONS, WITH A FOCUS ON LOCAL UNIVERSITY ECOSYSTEMS.
M. Van Geenhuizen* (*Delft University of Technology, The Netherlands*), **N. Razieh**

11:35 167 - HETEROGENEOUS EFFECTS OF SPINOFF FOUNDATIONS ON THE MEANS OF TECHNOLOGY TRANSFER: THE ROLE OF PAST ACADEMIC-INDUSTRY COLLABORATIONS
L. Rubini* (*University of Ferrara, Italy*), **C. Pollio**, **G. Gaeta**, **E. Barbieri**

11:50 129 - STARTUPS DYNAMIC CAPABILITY: A PATH TO FOSTER COLLABORATION WITH LARGE COMPANIES IN OPEN INNOVATION PROJECTS
A. Rosa Souza Luz* (*La Salle - Ramon Llull University, Spain*), **M. Adan De Manuel**, **J. Pique**

12:05 150 - FIOCRUZ AND ASTRAZENECA - A SUCCESS CASE IN AN ADVERSE SCENARIO
A. Goncalves* (*Instituto Nacional de Propriedade Intelectual, Rio De Janeiro, Brazil*), **M. Vieira Da Luz**

ROOM D6.007

11:20 ORDINARY SESSION 16

12:20 Chair: **Devrim Goktepe-Hulten** (*Lund University, Sweden*)

11:20 155 - INDIVIDUAL AND ORGANIZATIONAL FACTORS IN ACADEMIC ENGAGEMENT: A LABORATORY-LEVEL ANALYSIS
L. Dantas* (*São Paulo University, Brazil*), **A. Dias**

11:35 91 - EXPERIENCE OF UNIVERSITIES IN PHARMACEUTICAL UNIVERSITY-INDUSTRY R&D COOPERATION: THE CASE OF ISTANBUL
İ. Güneş* (*Istanbul University, Turkey*)

11:50 22 - THE LOCALIZED EXPLORATION TOWARDS THE THIRD MISSION IN BRAZILIAN ENTREPRENEURIAL UNIVERSITIES
A. Stolze* (*Strascheg Center for Entrepreneurship, Munich, Germany*), **M. Amaral**, **A. Ferreira**

12:05 192 - TRIPLE HELIX IN INNOVATION IN THE MANAUS FREE TRADE ZONE: AMAZONAS STATE UNIVERSITY AND THE UNIVERSITY-STATE-COMPANY PARTNERSHIP IN THE DEVELOPMENT OF INNOVATION PROJECTS TO FACE THE COVID-19 PANDEMIC.
J. Matias* (*São Paulo University, Brazil*), **M. Oliveira jr.**

ROOM D6.004

11:20 ORDINARY SESSION 17

12:20 Chair: **Marco Bellandi** (*University of Florence, Italy*)

11:20 165 - THE SUSTAINABLE TRIPLE HELIX: OPERATIONALIZING THE SUSTAINABILITY AGENDA IN THE GERMAN NORTHERN BLACK FOREST NATIONAL PARK
C. Gebhardt* (*Drees & Sommer SE, Zürich, Switzerland*), **M. Almeida**, **H. Etzkowitz**

11:35 117 - THE EVOLUTIONARY EMERGENCE OF A QUINTUPLE HELIX LOGICS: A CASE STUDY OF PLACE-BASED AGRONOMIC INNOVATION
G. Stefani* (*University of Florence, Italy*), **L. Donati**, **M. Bellandi**

11:50 111 - DIGITAL ENABLERS OF SUSTAINABLE RURAL DEVELOPMENT: A CASE STUDY OF A SOCIAL ENTERPRISE'S SUCCESS
C. Ravetti* (*Polytechnic University of Turin, Italy*), **P. Taticchi**

12:05 187 - INNOVATION FOR A SUSTAINABLE WORLD: AMAZON STARTUPS
K. Pinto, **C. Fernandes**, **M. Oliveira jr.*** (*São Paulo University - SP, Brazil*)

WEDNESDAY, 29 JUNE 2022

ROOM D6.005

12:30 ORDINARY SESSION 18

13:30 Chair: **Josep Pique** (*La Salle - Ramon Llull University, Spain*)12:30 186 - CREATING A COOPERATION NETWORK AS A DIRECTION OF ENTREPRENEURIAL DISCOVERY PROCESS DEVELOPMENT. IMPLICATIONS FOR EU REGIONS
G. Bednarczyk* (*University of Łódź, Poland*)12:45 99 - ON THE NAME CHANGING OF AREAS OF INNOVATION
A. Giglio Hirtenkauf* (*La Salle - Ramon Llull University, Spain*)13:00 80 - ACROSS DISCIPLINES, TO MAKE AN IMPACT.THE TECHNOLOGICAL IMPACT OF BOUNDARY-SPANNING RESEARCH PROJECTS
L. Toschi* (*University of Bologna, Italy*), **F. Munari**, **H. Morais Righi**

ROOM D6.001

12:30 ORDINARY SESSION 19

13:30 Chair: **Emanuele Fiore** (*National Research Council - CNR, IPCB and THA Executive Committee, Italy*)12:30 60 - EMERGE AMAZÔNIA: UNIVERSITY-INDUSTRY RELATIONSHIP TO LEVERAGE SCIENCE-BASED STARTUPS FROM AMAZON BIODIVERSITY
D. Pimentel* (*Emerge Consultoria e Treinamentos LTDA, São Paulo, Brazil*), **L. Delgado**12:45 57 - THE CHALLENGES AND TRENDS OF INNOVATION IN THE POST-COVID WORLD AND THE LESSONS FOR RIO DE JANEIRO STATE: AN ANALYSIS BASED ON THE "INNOVATION DIALOGUES – 2021" SERIES OF EVENTS
G. de Oliveira Santos* (*UFRJ - Grupo de economia da inovação, Rio de Janeiro, Brazil*), **J. Bloomfield Gama Zardo**, **C. Tourinho Jaguaribe**, **E. Moreira Pacheco**13:00 31 - EUE2030: BUILDING GIPUZKOA'S UNIVERSITY-BUSINESS COOPERATION 2030 STRATEGY
M. Vivar-Simón* (*Mondragon Unibertsitatea, Arrasate-Mondragón, Spain*), **N. Zabaleta**, **A. Basañez**, **J. De la Torre**, **A. Urruzuno**13:15 142 - TECNIO AS A POLITICAL ACTION ON TH MODEL IN CATALONIA: A COMMERCIAL MISMATCH BETWEEN GOVERNMENT'S POLICY AND TECHNOLOGY GENERATOR'S REALITY
R. Vidal* (*Polytechnic University of Catalonia (UPC), Terrassa, Spain*), **E. García Álvarez**, **J. Simón Guzmán**

ROOM D6.013

12:30 ORDINARY SESSION 20

13:30 Chair: **Daria Tataj** (*University of Manchester, UK*)12:30 11 - MICRO AND SMALL BUSINESS INNOVATION INDICATORS IN BRAZIL: A META-SYNTHESIS MODEL BUILDING
J. Souza Maia, **E. dos Reis Carraro**, **M. Amaral*** (*Universidade Federal Fluminense, Volta Redonda, Brazil*)12:45 62 - WHO DOES LEAD INNOVATION IN AUTOMOTIVE LIVING LABS? COMPARING EXPERIENCES IN THE EUROPEAN LANDSCAPE
S. Della Santa* (*University of Modena and Reggio Emilia, Italy*), **G. Tagliazucchi**, **G. Marchi**13:00 181 - RESEARCH, INNOVATE AND EMERGE (RIEM): LESSONS FROM A PROGRAMME FOR STRENGTHENING THE CAPACITY FOR BUSINESS-UNIVERSITY COLLABORATIVE RESEARCH AND INNOVATION IN THE UK
M. Joseph* (*Brunel University, London, United Kingdom*)13:15 158 - SOUTH AFRICA'S RESEARCH UNIVERSITIES - SOCIAL CONTRACT, THIRD MISSION AND COLLABORATION
M. Kahn* (*University of Stellenbosch, South Africa*)

20th Triple Helix Conference

Governing new and traditional partnerships for innovation and development in the post-pandemic world

WEDNESDAY, 29 JUNE 2022

ROOM D6.007

12:30 ORDINARY SESSION 21

13:30 Chair: **Carina Rapetti** (*La Salle - Ramon Llull University, Spain*)

12:30 128 - PROCESSING SOCIETAL EXPECTATIONS: DECISION-MAKING ON ENTREPRENEURSHIP EDUCATION IN THE ENTERPRISING RESEARCH UNIVERSITY
J. Tuunainen* (*University of Oulu, Finland*), **K. Kantasalmi**

12:45 126 - HOW RESEARCH UNIVERSITIES COULD BE FULLY ENTREPRENEURIAL? THE CASE OF THE NATIONAL UNIVERSITY OF MEXICO UNAM
L. Corona-Trevino* (*UNAM National University of Mexico, Mexico City, Mexico*)

13:00 68 - SATELLITE UNIVERSITY CAMPUSES AND STRUCTURAL CHANGE IN ITALY
P. Seri, L. Compagnucci* (*University of Macerata, Italy*)

13:15 65 - EXPLORING HOW PLATFORMS FOR HELIXES CAN COME TO BE – INVESTIGATING CROSS-SECTOR COLLABORATION IN THE CONSTRUCTION AND REAL ESTATE INDUSTRY
C. Wigren-Kristoferson, A. Thomasson, K. Staffansson Pauli* (*Malmö University, Sweden*)

ROOM D6.004

12:30 ORDINARY SESSION 22

13:30 Chair: **Lorenzo Zanni** (*University of Siena, Italy*)

12:30 75 - KNOWLEDGE CO-CREATION FOR SOCIAL INNOVATION THROUGH TRIPLE HELIX PARTNERSHIPS AND BEYOND: A CONCEPTUAL MODEL BASED ON SUSTAINABLE URBAN HOUSING PROJECTS IN SWEDEN
J. Liu* (*Malmö University, Sweden*), **C. Wigren-Kristoferson**

12:45 157 - PARTNERSHIPS FOR INNOVATION, NEW PRODUCT CO-CREATION AND LOCAL DEVELOPMENT: SUCCESSFUL EXPERIENCES OF TRIPLE HELIX IN SOUTHERN BRAZIL
P. Aloise* (*Universidade de Caxias do Sul (UCS), Brazil*), **G. Vidor**

13:00 166 - IMPLEMENTING THE TRIPLE HELIX MODEL IN THE AMAZON: ISSUES AND CHALLENGES
W. de Oliveira* (*Federal University of West of Pará, Santarém, Brazil*), **C. Lima**

13:15 125 - THE CONTRIBUTION OF ECONOMIC GROWTH AND UNIVERSITIES TO THE QUALITY OF BUSINESS PATENTS
M. Acosta, J. Azagra-Caro, D. Coronado, E. Ferrándiz* (*University of Cadiz, Spain*)

13:30 Lunch

14:30

WEDNESDAY, 29 JUNE 2022**ROOM D6.018****14:30 Plenary (Keynote dialogue)****16:00** GREAT EXPECTATIONS? THE ROLE OF UNIVERSITIES AS CIVIC ANCHORS IN PLACE-BASED INNOVATIONChair: **Marco Bellandi** (University of Florence, Italy)**Louise Kempton** (Newcastle University, UK): an international overview**Josep Pique** (THA President, La Salle - Ramon Llull University, Spain): a TH commentary**16:00** Coffee break**16:20****ROOM D6.013****16:20 Semi Plenary 7. "Ecosystems for social innovation and urban regeneration in Italy"****17:50** Chair: **Fabio Sgaragli** (Fondazione Giacomo Brodolini - Italy)**Gabriele Gori** (Fondazione CR di Firenze, Italy)**Cecilia Del Re** (Comune di Firenze, Italy)**Antonella Bonaduce** (Autorità di gestione PON Metro, Italy)**Fabrizio Barbiero** (Città di Torino, Italy)

Organized by Fondazione Giacomo Brodolini, the session will discuss the interdependencies between urban regeneration and social innovation processes under good practices of co-design and quadruple helix approaches to local innovation ecosystems.

ROOM D6.018**16:20 Semi Plenary 8. "Meet the Editors"****17:50** Chair: **Yuzhuo Cai** (Tampere University, Finland)**Marcelo Amaral** (Fluminense Federal University, Brazil)**Yuzhuo Cai** (Tampere University, Finland)**Elias Carayannis** (George Washington University, USA)**David Campbell** (University of Vienna, Austria)**Marco Bellandi** (University of Florence, Italy)

The session will give the opportunity to the delegates to get to know the Editors in Chief of the Triple Helix Journal, of the Journal of the Knowledge Economy and of the Journal of Innovation and Entrepreneurship, and to learn more on the special issues connected to the Conference and get tips on how to write good articles.

ROOM D6.018**18:00 Award Ceremony - Conclusions and launch of the next edition****19:00** **Emanuele Fiore** (National Research Council - CNR, IPCB and THA Executive Committee, Italy)**Alexander Heichlinger** (GovInsight - Member of the Board of the THA, Spain)**Marco Bellandi** (University of Florence, Italy)

During the Award Ceremony the members of the Conference Awards Committee will announce the results of the selection and present the Conference Awards to the winners in the 3 categories: Best Practical Case – Best Conference Paper – Best Early Career Researcher.

20th Triple Helix Conference

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GENERAL INFORMATION

Conference Organized by



www.triplehelixassociation.org
conferenceflorence@triplehelixassociation.org

Local Organizing Committee



Department of Economics and Management, University of Florence
Via delle Pandette, 32 - 50127 Florence (Italy)
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Organizing Secretariat



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Via del Tiratoio, 1 - 50124 Florence (Italy)
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GENERAL INFORMATION

Main Conference Venue

D6 Building - Department of Economics and Management (DISEI), University of Florence
Via delle Pandette, 32 - 50127 Florence (Italy)

Special venue for panel, technical tour and aperitif on Monday evening
Fondazione CR Firenze - Innovation Center Auditorium
Lungarno Soderini, 21 - 50124 Florence

Registration

Registration is mandatory to attend the conference, fees are as follows:

Regular	€ 440,00
Student	€ 190,00
One day	€ 183,00
Remote	€ 190,00

THA members benefit from a 10% discount for individual members and 20% discount for organizational members on their registration fee.

All the above fees include:

- Entrance to all the sessions as per program (on site or by zoom link if by remote)
- Coffee breaks and lunches as per program
- Aperitif at Innovation Center of Fondazione CR Firenze
- Congress kit (badge, program and certificate of attendance)

The certificate of attendance will be sent by email after the Conference.

You can collect your badge at the registration desk onsite, available at the following opening times:

Monday 27 June	from 13.30 to 18.30
Tuesday 28 June	from 08.00 to 18.00
Wednesday 29 June	from 08.00 to 18.00

Official Language

All the scientific sessions are in English and no simultaneous translation has been foreseen.

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