



IASP 2022
Seville

39th IASP World Conference
on Science Parks
& Areas of Innovation

Green and digital change powered by innovation

The role of innovation ecosystems



PROGRAMME

27-30 september | Cartuja Science and Technology Park

WELCOME

Dear IASP World Conference delegates,

I'm delighted to welcome you to our upcoming World Conference, which will take place from 27-30 September 2022 in Seville, Spain.

The main theme of our 39th IASP World Conference on Science Parks and Areas of Innovation is "Green and digital change powered by innovation: The role of innovation ecosystems". This theme goes to the heart of how we achieve sustainable development, intensifying the focus on climate change and the need for action and innovative solutions for future generations to come.

Our conference will explore how both green technologies and increasing digitalisation have a role to play in combating climate change, and what our community can do to bring innovative companies together to develop and prioritise solutions, helping us move towards a carbon neutral future. By connecting people locally and internationally and driving innovation, our community can help us achieve sustainable prosperity in our climate goals.

Thank you to Cartuja Science and Technology Park for hosting this great international event, where I am sure we will all make new connections and expand our knowledge of how science and technology parks and areas of innovation can advance green and digital change.



Herbert Chen
IASP President

Dear delegates,

After two years of online conferences, and a virtual journey where technology helped us all stay connected, I am thrilled to return to a physical event, with all the buzz, networking and direct knowledge sharing that we all remember so well from past IASP events. IASP 2022 Seville will be no exception.

In addition to a rich scientific programme, where we will feature our global community's ability to provide green and digital solutions powered by innovation, we'll also have the opportunity to catch up, learn from each other, and connect with new partners from around the world, as well as discovering the historic city of Seville and its innovation ecosystem. A city full of UNESCO World Heritage sites, Seville also offers rich gastronomic tradition and local culture, as well as a unique local host – Cartuja Science and Technology Park.

As the first international example of reworking the legacy of a World Exhibition – the Seville Expo '92 – to transform it into a space connecting universities, science, and corporations, they'll make sure we discover the best their city and region has to offer, and introduce us to its innovation hotspots and cultural gems.

We have all missed international travel as much as we have missed those spontaneous meetings that only face to face events can offer, and I am delighted to welcome you all to Seville as we explore the city, together.

Ebba Lund
IASP CEO



Dear colleagues, dear delegates,

We are delighted to invite you to the 39th IASP World Conference in Seville, Spain, at our Science and Technology Park Cartuja.

It is a great honour for us to host the IASP World Conference in our home city, where we will all have the chance to discuss and debate topics under the main theme “Green and digital change powered by innovation: The role of innovation ecosystems.”

Here in Seville this green and digital focus is firmly embedded in everything we do. Our city is an exciting European hub, leading the way with eCity initiatives, ever-growing pedestrian zones and bicycle paths, stylish shops and restaurants, and the largest historical centre in Europe. We will do our best to show you that Seville, and our region of Andalusia, have more to offer than culture, tourism and gastronomy: our science and technology parks are home to innovation, with cutting-edge research centres, innovative startups and established companies, where highly skilled teams and individuals come together to thrive.

It gives us great pleasure to welcome you to our beautiful, vibrant city, a place that is open to innovation and progress, where tradition and modernity come together. It is intimately linked to its role in history and to its extensive cultural heritage; over the past few years, Seville has transformed itself, creatively blending the value of tradition with generous doses of fresh innovation, while still maintaining its unique personality, joy, and openness to visitors.

Welcome to our city, and I hope you enjoy the conference!



Luis Pérez

*General Manager of Science
and Technology Park Cartuja*

SPONSORS & PARTNERS

GLOBAL SPONSORS



Nanoracks



VOYAGER
SPACE

INNOVATION SPONSORS



KNOWLEDGE SPONSORS AND PARTNERS



COLLABORATORS



Spanish Technology Platform for
Disruptive Technologies

With funding from:



Technical secretariat:



OFFICIAL TRANSPORT PARTNERS



THE BUILDER OF INNOVATION ECOSYSTEM NETWORK THE ENGINE OF STRATEGIC EMERGING INDUSTRIES



Colleagues from TusPark in China send their congratulations to the 39th IASP World Conference in Seville! Although Chinese colleagues cannot attend this first offline conference post-pandemic in person, they hope all the participants will enjoy this conference.

The flagship product of TusHoldings, TusPark has more than 1500 tenant companies settled in its total area of 770,000 square meters. At present, TusPark is a gathering place for R&D headquarters of multi-national corporations, headquarters of Chinese technological enterprises as well as innovative startups. It has become an important platform of Tsinghua University to serve society and promote regional innovation, and has developed into a famous brand in the science park industry of China and even the world.

TusHoldings operates a network of over 300 innovation bases worldwide, including science parks and incubators in the UK, Belgium, Thailand, and Malaysia that welcome international visits. Delegates can meet their international staff from the UK and Belgium at TusHoldings booth in the exhibition area, or find out more at en.tusholdings.com

EXHIBITORS



27TH SEPTEMBER 2022

Venue: Hotel Barceló Renacimiento

08:15

Registration

18:00

09:00

IASP
Pre-conference
Seminar

16:45

14:00

IASP
International
Board Meeting
(IASP Board
members only)

16:15

18:00

Technical tour

19:30

19:15

New2IASP
reception
(by invitation only)

20:00

20:00

Welcome
Reception
VENUE: Hotel Barceló

22:00

28TH SEPTEMBER 2022

Venue: Hotel Barceló Renacimiento

09:00 Opening Ceremony and Keynote Address

Opening formalities

Opening Keynote / Sergio Oslé, Telefónica (Spain)

IASP Highlights / Ebba Lund (IASP)

10:15 Coffee Break

11:00 Plenary session 1 - Leading the way to sustainability: STPs & AOs at the cutting edge

MOD: Adam Fields

Becoming the most sustainable campus in Europe (High Tech Campus Eindhoven)
/ Ingelou Stol (The Netherlands)

When infrastructure and innovation collide - the role of innovation ecosystems in building sustainable designs / ITy J. Shattuck (Canada)

Seeds and Stars - Building Infrastructure for Sustainability with the World's First In-Space Science Park / David Marsh (USA)

12:00 Plenary session 2 - Innovation for a greener future: external perspectives

MOD: Adam Fields

Panel discussion

/ Gonzalo De La Cámara (IE Centre of Water and Climate Adaptation)

/ Elisa García (Airbus)

/ Paola Simonian (Oracle)

12:40 Lunch

14:00 Sustainability initiatives and network opportunities

14:15 Plenary session 3 - Towards carbon zero: tools and strategies for innovation ecosystems

MOD: Adam Fields

Future Cities: Your life in #eCitySevilla in 2025
/ Rafael Sánchez (Spain)

Patent and trademark database analyses as guides for the efficient deployment of resources for green technology development / Mariella Massaro (Finland)

Forming a climate-leading process industry in Sweden - bringing organizations together in co-creation
/ Hanna Paradis (Sweden)

Supercities: Cities as innovation ecosystems / Alfonso Vegara (Spain)

15:15 Coffee Break



28TH SEPTEMBER 2022

Venue: Hotel Barceló Renacimiento

16:00

Focus talk	Focus talk	Focus talk
Gregorio Serrano (EY)	Mikel Landabaso (JRC) / Partnerships for Regional Innovation	Josep Piqué (Spain) / Digital Twin Parks for Sustainability

16:15

1 - Driving sustainable mobility: new solutions for a greener society	2 - Green and digital change through collaboration: STPs and AOs as connectors	3 - Digital strategies and solutions for STPs and AOs
MOD: Maria Oscott (Sweden)	MOD: Salvatore Majorana (Italy)	MOD: Olivier Zephir (Luxembourg)
A roadmap to sustainable mobility: harvesting the low-hanging fruits while investing to achieve net zero emissions / Fabio Morea (Italy)	Pre-study Regional Lighthouse Project / Lena Miranda (Sweden) Mission-Oriented Policies in the Context of Science Parks: The Case of the International Hub for Sustainable Development / Rodrigo Bolliger (Brazil)	Green transformation as the trigger to use, test and implement digital solutions at Tallinn Science Park Tehnopol / Ragmar Saksing (Estonia)
How to achieve behavioural change towards bicycle and sustainable mobility? P4Trans project results. / Justyna Adamska (Poland)	Transfiere forum: the alliance of the innovation ecosystem working towards sustainability and its contributions to the SDGs / Yvonne Flores (Spain)	Incubator network operation based on RCEP framework to promote regional digital economy and digital transformation / Chen Yaohui (Malaysia)
Using gamification to accelerate the adoption of sustainable mobility in science and technology parks / Gregorio Magno Toral Jiménez (Spain)	Change. We make it green. Case study of Matopolska Region ecosystem collaboration. / Monika Machowska (Poland)	Science Technology Park role in the Knowledge Triangle Model / Sima Valizadeh (Sweden)
ZalaZone innovation ecosystem: scene of researches & solutions for sustainable mobility / András Háry (Hungary)		AI-Related Technology as GPT in the Advanced Services / Tzameret Rubin (UK)

17:15

	IASP European division meeting (IASP members only)	
--	--	--

20:00

Informal dinner - VENUE: Pabellón de la navegación

OPPORTUNITY MEETINGS

29TH SEPTEMBER 2022

Venue: Hotel Barceló Renacimiento

09:30

Focus talk

Paolo Canfora (JRC) /
Circular Economy:
closing the loop towards
sustainability

Focus talk

Luis Sanz (IASP) /
What's in a name: the
taxonomy of innovation
support projects

Focus talk

Ralf Nöcker & Markus
Dreus (ESPG) /
Committing to
a sustainable future
– how science parks
will help Europe fulfil
its green goals

09:45

**4 - Green
infrastructure and
interdependence:
global sustainability
approaches**

MOD: Cristina Andrés
(Spain)

Green is not just the color
of money

/ Ken Marcus (USA)

Sustainable water use for
irrigation of green areas
in Erciyes University
Technology Development
Zone

/ Serhat Dalkılıç (Turkey)

/ Paul Jansen
(Innovation Area
Development Partnership,
The Netherlands)

Innovation ecosystems and
the circular economy

/ Bilal Topcu (Turkey)

**5 - Developing
innovation districts
and knowledge
environments**

MOD: Claudio Marinho
(Brazil)

Successfully designing a
knowledge environment

/ Roy Pype (The
Netherlands)

City science: data analysis
enabling regional
innovation from science
parks.

/ Peter Baird (UK)

Proposing a framework
for developing Innovation
Districts: A performance
assessment.

/ Carina Rapetti (Spain)

Innovation environment
optimization: a literature
review of select IASP
articles from 1999 to 2009
– bridging practitioners
and research academics

/ Mary Spaeth (USA)

**6 - STPs, AOs and
companies: best
practices for a green
and digital transition**

MOD: Jernej Pintar
(Slovenia)

Towards a greener society:
three case studies from
the Itü Ari Technopark in
Istanbul, Turkey

/ Bengi Atun (Turkey)

The role of Isfahan Science
& Technology Town in
implementing green and
digital changes to tackle
climate change

/ Mozghan Yazdianpour
(Iran)

A service innovation
ecosystem for small and
medium-sized enterprises

/ Björn Westling (Sweden)

China innovation systems

/ Carol Lau (China)

OPPORTUNITY
MEETINGS

10:45

Coffee Break



29TH SEPTEMBER 2022

Venue: Hotel Barceló Renacimiento

11:30

Focus talk	Focus talk	Focus talk
Juan-Carlos Ciscar (JRC) / Climate risks, challenges and innovation opportunities	Jeffrey Manber Voyager Space (USA) / Cross-Discipline Opportunities for the Emerging Space Ecosystem - in conversation with Eduardo Braun	Luna Moreno (Spain) / Science and Technology Parks as innovation engines for Smart Cities: the case of Ingelectus, STP Cartuja and eCitySevilla

11:45

7 - Energy transitions and solutions led by science parks and areas of innovation	8 - Innovation ecosystems and a multilayered approach to green and digital transformation	9 - Driving smart city development
MOD: Vincent Mauroit (Italy)	MOD: Eduardo Braun (Argentina)	MOD: Carol Stewart (Canada)
Optimization of energy consumption of old buildings and reduction of their user's carbon footprint using a twofold innovative scheme / Leila Belmerhnia (France)	The green energy revolution in northern Sweden – and the role of the innovative tech ecosystem of Luleå science park. / Sara Json Lindmark (Sweden)	How São José dos Campos technology park has established itself in the development of solutions for the construction of smart cities / Mariana Gomes (Brazil)
Public policies to support the implementation of innovation areas in Brazil and its relationship with energy efficiency public initiatives / Luiz Carlos Pinto (Brazil)	FAU Innovation and Business Development (I&BD) pipeline, an expanded footprint of services offered in 11 areas of innovation to attract international startups and business communities into the South Florida ecosystems. / Sandra Delina Marin Ruiz (USA)	Developing sustainable and scalable smart city (3s) solutions at science parks & areas of innovation: a case study of national science and technology park (NSTP) / Yaruq Nadeem (Pakistan)
Science parks, making the energy transition happen! / Oliver Ingwall King (Sweden)	Bringing small pieces of puzzle together for green changes / Milan Randjelovic (Serbia)	Smart district working at Kyoto Research Park / Shigekata Mizuno (Japan)
Energy solutions for decarbonised energy islands (Walqa technology park, Huesca (Spain)), e-land project / Pilar Gascon (Spain)	The Approach of KAUST Research & Technology Park in a Thriving Innovation Ecosystem / Nawaf Algain (Saudi Arabia)	The role of the science park in the smart city at Nakhon Ratchasima in Thailand / Narucha Tanaiutchawoot (Thailand)

OPPORTUNITY MEETINGS

29TH SEPTEMBER 2022

Venue: Hotel Barceló Renacimiento

12:45 Lunch

14:00 Plenary session 4 - Future proof jobs and skills training for the digital transition

MOD: Adam Fields

Accelerating future skills within an innovation ecosystem and across a city

/ Gavin Poole & Emma Frost (UK)

Technological professional residence: the legacy of the human capital formation model of the Porto Digital / Pierre Lucena (Brazil)

Lifelong learning for future skills / Anna Broeders (Sweden)

The role of innovation ecosystems in China and ASEAN in fostering a sustainable digital workforce / Alicia Tien (Singapore)

15:00 Coffee Break

15:45

-

IASP General Assembly (IASP members only)

17:45

20:30 Gala Dinner - VENUE: Hacienda la Soledad



30TH SEPTEMBER 2022

Venue: Hotel Barceló Renacimiento

09:30 Plenary session 5 - Startups and scaleups supporting green and digital transformation

MOD: Adam Fields

Supporting the green and digital transformation through individualized startup-grownup pilots - 4 years of A² Accelerator / Rawad Chammas (Germany)

Green and Digital Startups and Scale ups in South Africa / Billy Bokako (South Africa)

Supporting digital deep-tech startups by ScaleUp Champions PanEuropean Accelerator / Carmen Adán (Spain)

Startups and scaleups supporting green and digital transformation / Sasan Shaba (Sweden)

10:30 Coffee Break

11:00 Plenary session 6 - Building digital capacity: STPs and AOs supporting digitalisation

MOD: Adam Fields

Generating AI focused products and services – next step of digitalisation / Anu Puusaag (Estonia)

Building digital capacity: Konza Technopolis' role in supporting digitalisation / John Tanui (Kenya)

AI Labs for supporting Small and Medium Sized Enterprises in Baden-Württemberg / André Domin (Germany)

How to create healthy homes: digitalisation to identify and reduce energy poverty in Getafe City. An example of collaboration between the Getafe Municipality and the Universidad Carlos III de Madrid innovation ecosystem. / Maria José Herrero Villa (Spain)

12:00 IASP Seville takeaways - IASP Presidents' panel: Lena Miranda (Sweden), Paul Krutko (USA), Josep Piqué (Spain) | MOD: Adam Fields

12:30 Closing Ceremony, IASP 2023 appetiser and flag handover

13:00 Farewell lunch



COMING UP NEXT!
12-15 September 2023

Megatrends in Innovation Ecosystems

What are the impacts for STPs & A0Is?



Hosted by
technoport[®]
technology business incubator



IASP 2023
Luxembourg

40th IASP World Conference
on Science Parks
& Areas of Innovation