

# Quality Assurance in Technological Transfer from Universities

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BISITE Research Group - University of Salamanca - Spain



**BISITE** Research Group

Next conferences

- (ISAm) 9th International Symposium on Ambient Intelligence  
20th-22nd June, 2018
- (ICCC) 9th International Conference On Computational Creativity  
25th - 28th June, 2018
- (ISTA) International Symposium on Intelligent Systems Technologies and Applications  
September 19-22, 2018
- (MobISPC) The 15th International Conference on Mobile Systems and Pervasive Computing  
August 13-15, 2018
- (ICAME) 2nd International Conference on Automation and Mechatronics Engineering  
9-11 Nov, 2018

Events

- Deadline for special issue submission  
30 Sep, 2018  
Wireless Sensors Networks in Activity Detection and Context Awareness
- Deadline for special issue submission  
30 Sep, 2018  
Artificial Intelligence and Machine Learning in Sensors Networks
- Deadline for manuscript submissions  
30 Nov, 2018  
Intelligent Transportation Systems: Technologies, Models and Applications

MASTERS Pre-registration open for year 2018/2019

Limited places

#animadigital #ISD  
#stockchain #IoT  
#remanzbas #proyectos #TIC  
#seguridad #webinteligencia  
#ZySystem #industrial4.0  
#socialmedia

COURSES Enroll now! Registrations will be admitted until all places are taken

Who we are

DIGIS3, led by the Institute for Business Competitiveness of Castilla y León (ICE), has emerged as a result of the continuous growth of the existing DIHs in the region and is formed by the following entities:

- The AIR Institute technology center, as a center of competence in Artificial Intelligence of IoT DIH. Digital Innovation Center focused on the use of IoT technologies in production processes, products and services of companies.
- The DIHBU association, Digital Innovation Center expert in Industry 4.0, formed by industrial companies, knowledge centres, and developers in Industry 4.0 solutions in Castilla y León.
- The DIH-LEAF association, Digital Innovation Center oriented to the livestock, environmental, agricultural and forestry sectors, involving, among others, universities and technology centres, companies and producer associations, in order to respond to the challenge of digitization and technological innovation of this broad productive sector.
- The Castilla y León Supercomputing Center Foundation (SCAYLE), as an expert partner in supercomputing.
- The University of León as an expert partner in supervision, control and automation of industrial processes and critical infrastructures as well as in Industry 4.0, Internet of Things, Data Science, Artificial Intelligence, Computer Vision, Robotics, Additive Manufacturing or Aerospace Technology.

Logos: AIR INSTITUTE, DIHBU, SCAYLE, DIH-LEAF, Universidad de León

VIDEO: DIGIS3

MENU: Home, Who we are, Objectives, Infrastructures

COLABORATORS

IoT DIGITAL INNOVATION HUB

BECOME A MEMBER

COORDINATED BY AIR INSTITUTE

SERVICES

TECHNICAL ADVICE AND MENTORING

The IoT DIH provides technical advice and mentoring to SMEs that wish to integrate IoT into their processes

WORK OPPORTUNITIES

- Full Stack Developer  
Minimum requirements: REST APIs, NoSQL databases, Javascript (ES5, ES6), Angular, etc.  
22 JAN
- Cloud Developer  
Minimum requirements: REST APIs, NoSQL databases, AWS, etc.  
22 JAN

Máster en Ciberseguridad

Máster en Ciberseguridad

Los alumnos deberán cursar la parte general de máster y podrán especializarse en una de las siguientes ramas, pudiendo realizar la otra de forma optativa.

- RAMA TÉCNICA**  
Para perfiles relacionados con ciencias, ingenierías y arquitecturas
- RAMA JURÍDICA**  
Para perfiles de ciencias sociales y jurídicas

UNIVERSIDAD DE SALAMANCA

CIBER WALL ACADEMY 2021-2022

CIBER WALL ACADEMY 2021-2022

Programa Formativo Gratuito

- Programa formativo coordinado por la Universidad de Salamanca y la Policía Nacional.
- Plazas limitadas, hasta completar el cupo.

¡Síguenos vía web o por app!

Accede desde e4iCIBU, App Store, Google Play

SORTIDO DE DOS MATRÍCULAS EN EL MÁSTER DE TRANSFORMACIÓN DIGITAL DE LA USAL.

SORTIDO DE CINCO MATRÍCULAS EN EL MÁSTER DE SEGURIDAD EN INTERNET DE LA USAL.

¡OBTÉN TU DIPLOMA CIBERWALL ACADEMY EXECUTIVE!

AIR Artificial Intelligence Research Institute

Logos: ISAAC, INNOVATION, ice, Junta de Castilla y León, COTI, European Union, Spanish Government



# Artificial Intelligence

Cybersecurity

Data Science

Machine Learning

IoT

Bioinformatics

Neuro Science

Blockchain

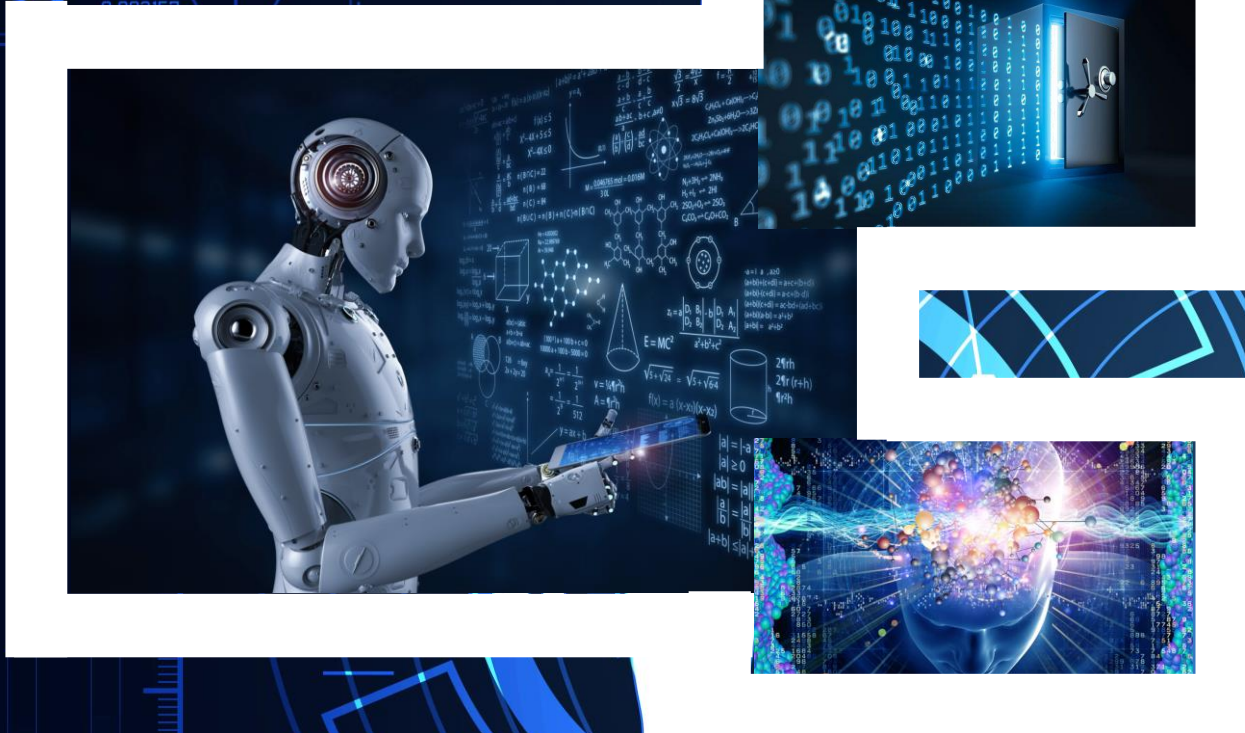
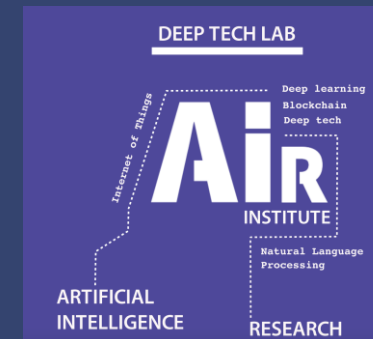
Fintech

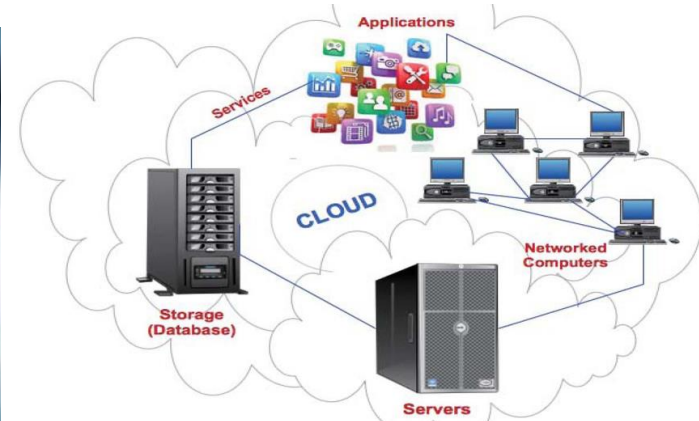
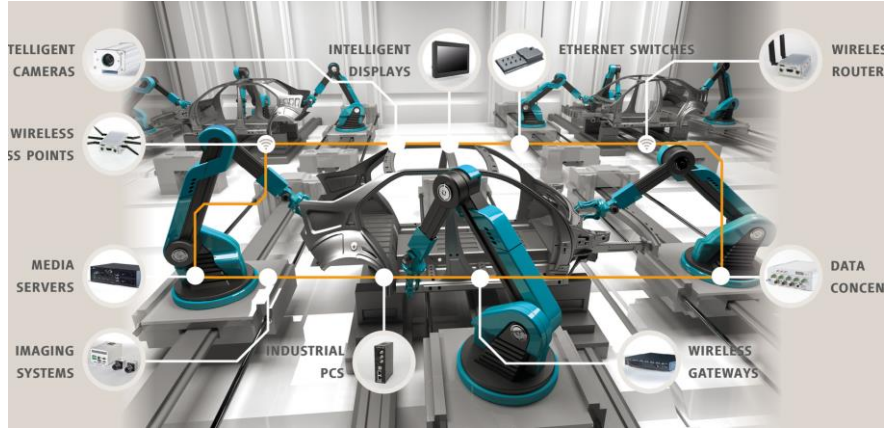
Intelligent Textile

Smart Cities

Smart Grids

Industry 4.0









**Predictive Maintenance**



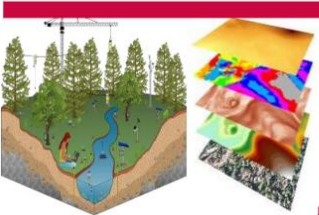
**Energy Saving Smart Grid**



**High-Confidence Transport and Asset Tracking**



**Improve Productivity**



**Enable New Knowledge**



**Intelligent Buildings**



**Enhanced Safety & Security**



**Improve Food and H<sub>2</sub>O**



**Healthcare**



**Smart Home**



The screenshot shows a web browser window displaying the BISITE website. The browser's address bar shows the URL [bisite.usal.es/en/training/masters](https://bisite.usal.es/en/training/masters). The website header includes the BISITE logo, navigation links for 'WHO ARE WE?', 'GROUP', 'R&D+i', 'TRAINING', and 'CONFERENCES', and the Universidad de Salamanca logo. A search bar is also present.

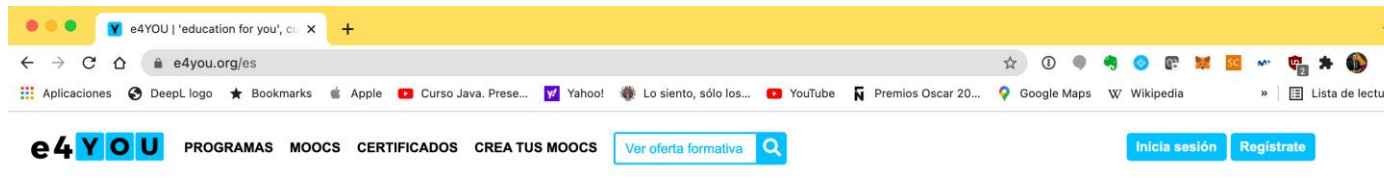
The 'TRAINING' dropdown menu is open, listing the following Master's programs:

- Master in 3D Printing
- Master in Blockchain and Smart Contracts
- Master in Digital Animation
- Master in Digital Intelligence
- Master in Digital Transformation
- Master in Fintech
- Master in Industry 4.0
- Master in Internet Security
- Master in Management of Information Systems
- Master in Multiplatform Mobile Application Development
- Master in Smart Cities & Intelligent Buildings
- Master in Social Media
- Master in the Internet of Things
- Master's Degree in Knowledge Transfer and R&D Management

The main content area features a grid of program cards. Each card includes a representative image, the program name, and learning mode options (Online or Blended learning). The visible cards are:

- MASTER IN SOCIAL MEDIA**: Online, Blended learning
- MASTER IN MULTIPLATFORM MOBILE APPLICATION DEVELOPMENT**: Online, Blended learning
- MASTER IN DIGITAL INTELLIGENCE**: Online, Blended learning
- MASTER IN FINTECH**: Online, Blended learning
- MASTERS DEGREE IN KNOWLEDGE TRANSFER AND R&D MANAGEMENT**: Online, Blended learning

The URL <https://bisite.usal.es/en/training/masters> is visible in the bottom left corner of the browser window.



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Formación a tu medida con los mejores expertos

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## MOOCs más recientes

- AVANCES EN INNOVACIÓN**  
Avances en Innovación (35 horas)
- AVANCES EN INNOVACIÓN: Metodología Playbook**  
Avances en Innovación: metodología Playbook (35 horas)
- AVANCES EN INNOVACIÓN: Metodologías para el siglo XXI**  
Avances en Innovación: metodologías para el siglo XXI (35 horas)
- CIBER WALL Módulo 0 BLOCKCHAIN Y CRIPTOMONEDAS**  
Blockchain y criptomonedas CIB3RWALL Academy - Módulo 0
- CIBER WALL Módulo 1 REDES Y ARQUITECTURAS**  
Redes y arquitecturas CIB3RWALL Academy - Módulo 1




Videos - NOIXION

noixion.tv


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**NOIXION** HOME STREAMING MOOCS


**RECOMMENDED**




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kudamon  
113 views / 1 year ago  
Advertisement




**Auronplay y Biyin confirman ...**  
ClipsTwitch  
56 views / 9 months ago  
Free Video




**Jojo Rabbit Trailer Official**  
Trailers  
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**Discusiones en el Counter**  
ClipsTwitch  
28 views / 8 months ago  
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**Trailer - Space Jam: Nuevas L...**  
News365  
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**Hackathon DeepINT**  
corchadajm  
7 views / 5 months ago  
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**TRENDING**




**365 dni #FuLLMoVIE# watch ...**  
ibhavishnene  
54154 views / 2 years ago  
Free Video




**El tiempo según Gila**  
Vetton  
2034 views / 10 months ago  
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**Watch Loving In Tandem (201...**  
Movies Streaming Online  
1475 views / 1 year ago  
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**Cuando buscas pelea fes vs ...**  
ClipsTwitch  
28 views / 8 months ago  
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**My Hero Academia Heroes Ri...**  
raizemint29  
2887 views / 1 year ago  
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**Dothraki Beats.. Cyberpunk..**  
Dothraki  
148 views / 1 year ago  
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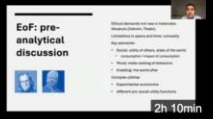
**RECENTLY ADDED**




**MIS4TEL 3**  
susanavazquez  
1 view / 3 days ago




**ISAMI 2**  
susanavazquez  
1 view / 3 days ago




**DECON 3**  
susanavazquez  
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**MIS4TEL WS TEL4FC**  
susanavazquez  
1 view / 3 days ago



**MIS4TEL WS GaLePro**  
susanavazquez  
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**Workshop on Deep Learning ...**  
susanavazquez  
2 views / 2 days ago



The screenshot shows the News 365 website interface. At the top, there are navigation elements including a search bar, a language selector (Spain), and a 'SELECCIONA EDICIÓN' button. The main navigation menu includes categories like Sociedad, C1b3rWall, Covid, Economía, Cultura, Deportes, Ciencia, Tecnología, Política, Sucesos, Opinión, and Vídeos. The main content area features a grid of news articles:

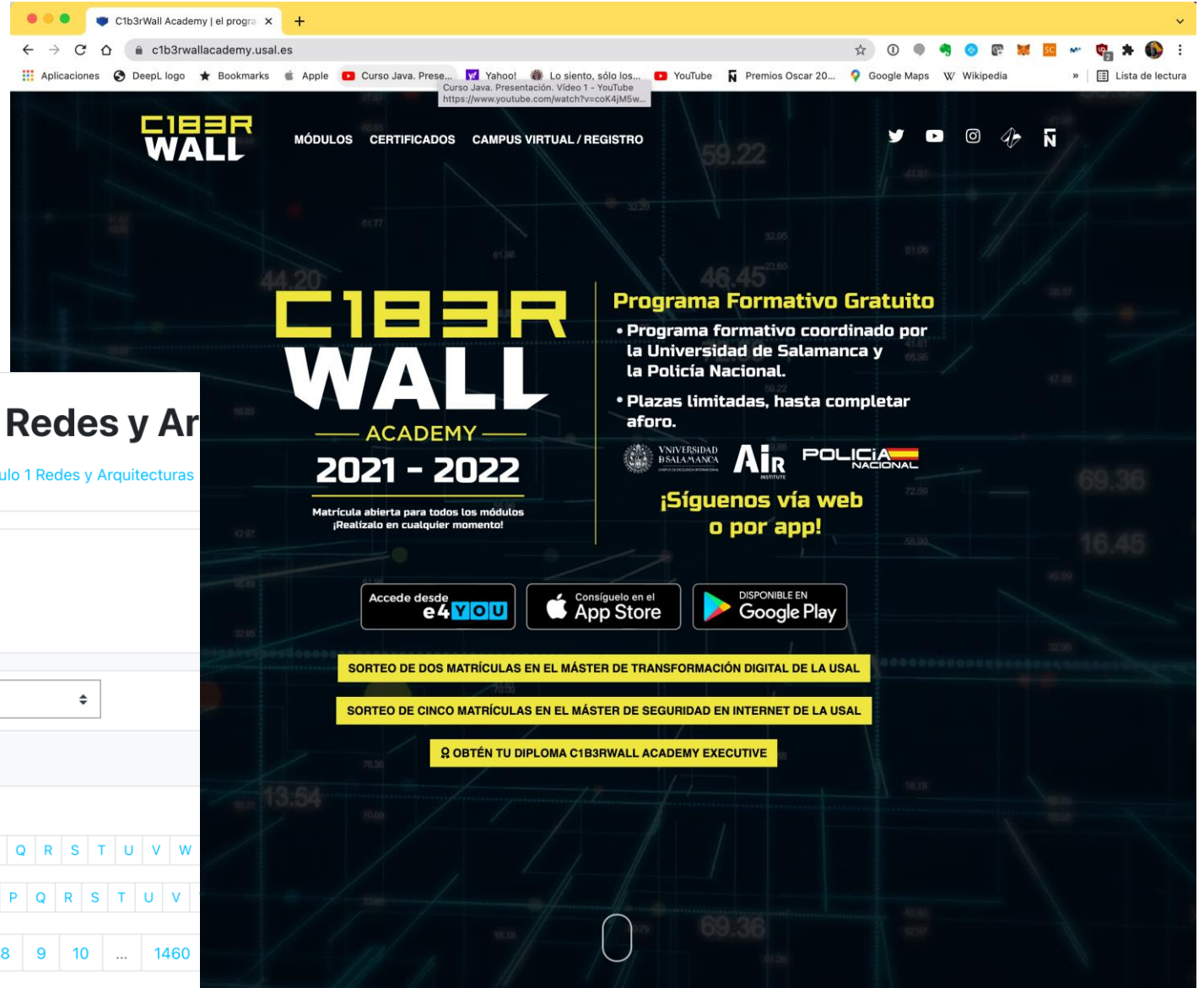
- Política:** Joe Biden, año uno: ¿en qué punto se encuentra la relación entre EE UU y la UE?
- Cultura:** Por qué la educación física es clave para prevenir el acoso escolar
- Tecnología:** Subvenciones de 92,7 M€ para la transformación digital y la modernización de las entidades locales con más de 50.000 habitantes. El Gobierno convoca subvenciones de 93 millones de euros para transformación digital.
- Sucesos:** Detenido en Sevilla por distribuir imágenes pedófilas de su propia hija.
- Sociedad:** El MITECO presenta Marco de Actuaciones Prioritarias para la regeneración ambiental en el Mar Menor. Inversión de 382 millones de euros para la regeneración ambiental en el Mar Menor.

At the bottom, there is a 'SOCIEDAD' section with a large article about the 382 million euro investment for environmental regeneration in the Mar Menor. To the right, there is a 'NOIXION Cine & TV' advertisement and a 'SÍGUENOS EN LAS REDES' section with Facebook and Twitter links. A 'ACCIONES DE MERCADO' section is partially visible at the bottom right.

Usamos cookies. Si continua navegando, acepta su uso.

Inversión de 382 millones de euros para la regeneración ambiental en el Mar

Alerta por nieve, fuertes vientos y oleaje de hasta 14 metros en varias zonas de



## C1b3rWall Academy: Módulo 1 - Redes y Arq

[Página Principal](#) / [Mis cursos](#) / [C1b3rWall Academy](#) / [C1b3rWall Academy: Módulo 1 Redes y Arquitecturas](#)

### Participantes

Coincidir

+ Agregar condición

29182 participantes encontrados

Nombre  A B C D E F G H I J K L M N Ñ O P Q R S T U V W

Apellido(s)  A B C D E F G H I J K L M N Ñ O P Q R S T U V

...

<input type="checkbox"/>	Nombre / Apellido(s) ^	Dirección de correo	Roles	Grupos
<input type="checkbox"/>				

C1b3rWall Academy:  
Módulo 1 Redes y  
Arquitecturas

Participantes

Certificaciones

Cursos

Certificados

Seguridad en  
Redes y Arquitecturas

Seguridad y  
Comunicaciones

Infraestructuras Críticas

Página Principal

Perfil personal

Calendario

Archivos privados

Inicio de contenido





# What is innovation?

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- “Creation or modification of a product and its introduction into a market”. (**RAE**)
- “Implementation of a new or significantly improved product (good or service), or process, a new marketing method, or a new organisational method in business practices, workplace organisation or external relations”. (**Oslo Manual, OECD, 2005**)
- Innovation literally means the action and effect of innovating through new processes and inventions and their economic implementation. (Wikipedia)





## What is innovation?

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IN SUMMARY, INNOVATION MAY BE CONSIDERED AS:

*“the process of turning an idea or invention into a good or service that creates added value and that customers are willing to pay for”*

# What is innovation?

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- But....is **Inventing** the same as **Innovating**?

**NO!**



An invention or discovery cannot  
be directly considered as an  
innovation!

**... an economic return is necessary**



# Types of innovation

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- Where do we innovate?
- Innovation in processes
- Innovation in products or services
- Innovation in business models
- Innovation in design and marketing



# Types of innovation

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## ■ How do we innovate?

- Closed Innovation
- Open Innovation

- Radical Innovation
- Incremental Innovation

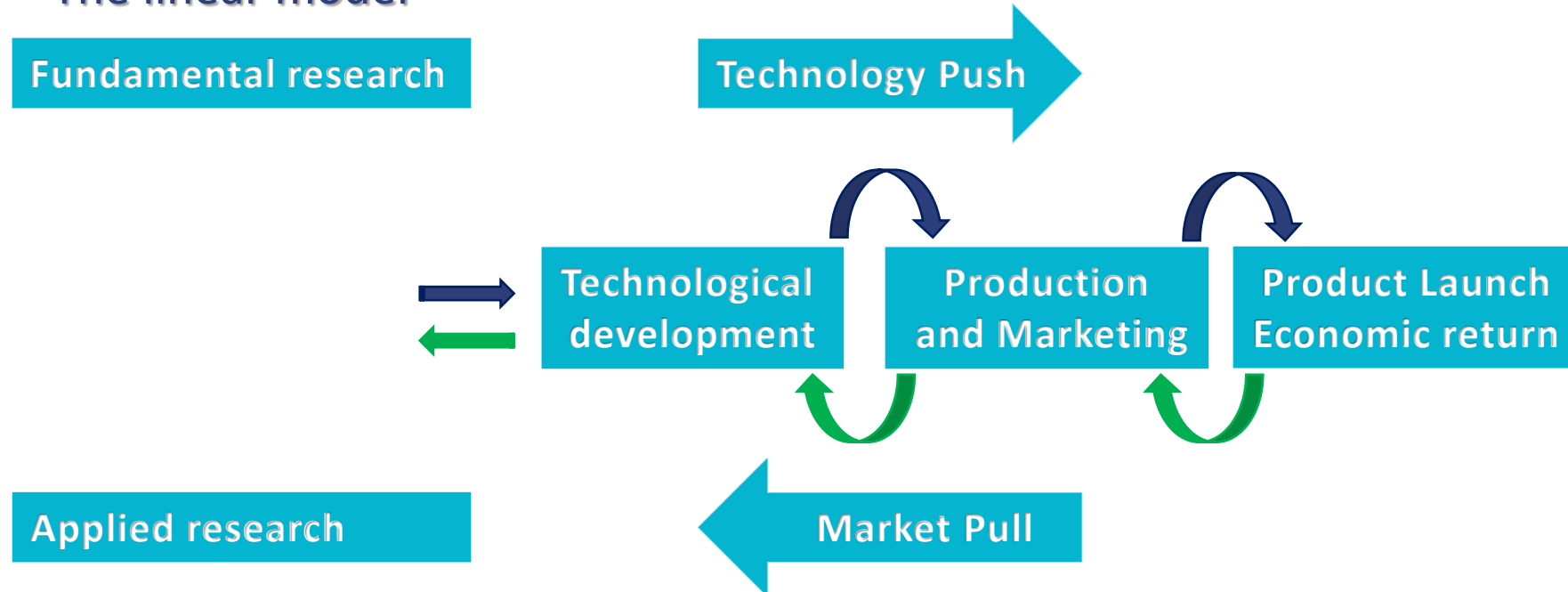
- Casual Innovation
- Systematic Innovation

- Market Innovation
- Company Innovation



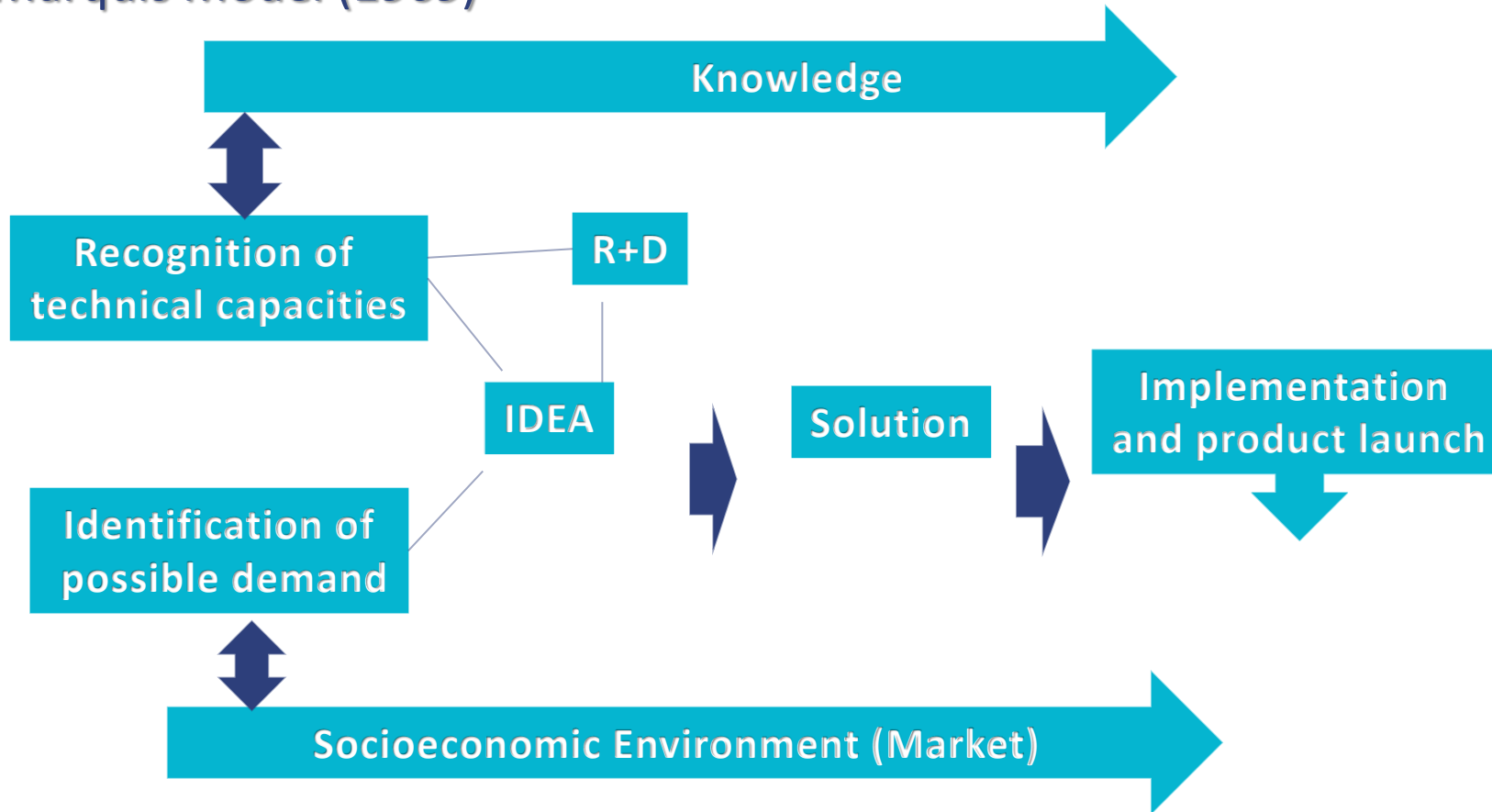
## Ways to innovate: What innovation models are there?

- The linear model



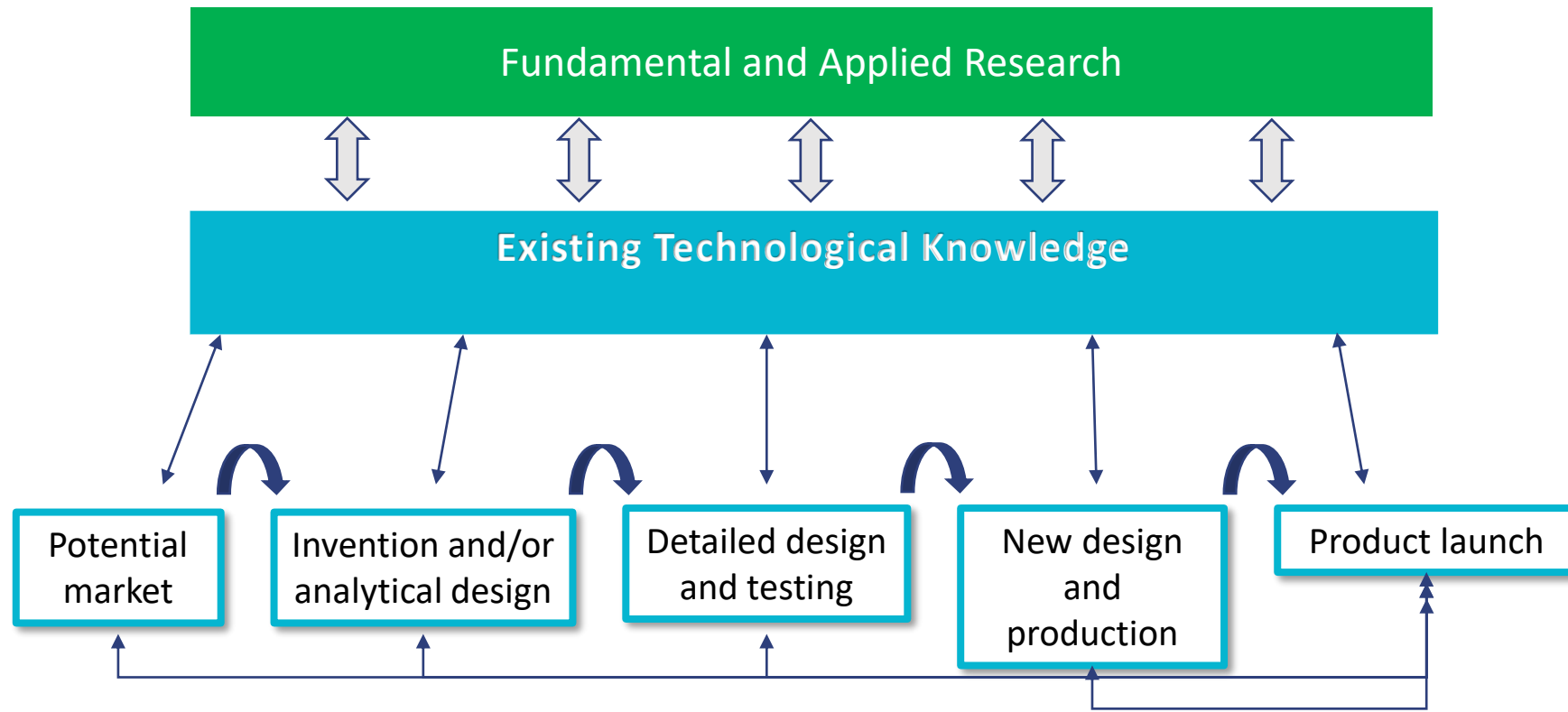
## Ways to innovate: What innovation models are there?

- Marquis Model (1969)



## Ways to innovate: What innovation models are there?

- Kline and Rosenberg Model (1986)





## Ways to innovate: What innovation models are there?

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- Open Innovation

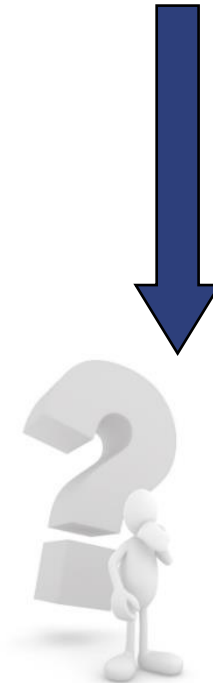
*“Using ideas both internal and external to the organization as a source of innovation”. Prof Henry Chesbrough*



## Innovation methodologies

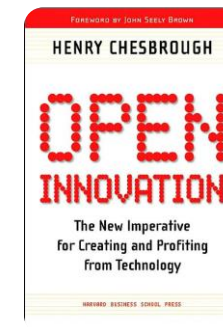
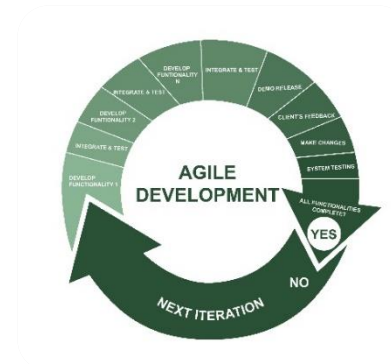
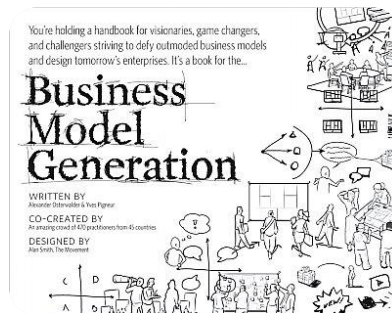
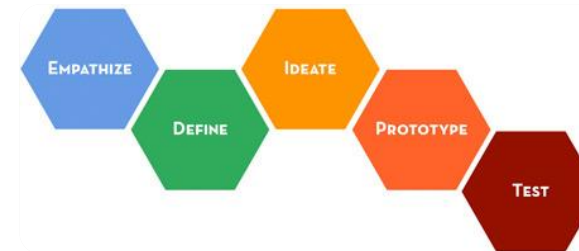
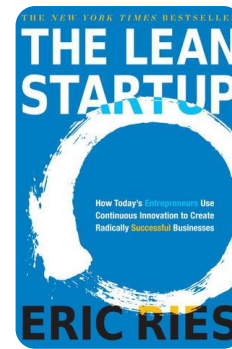
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- Innovation methodologies as a tool.
- Where are we and where do we want to go?
- What are our surroundings?
- The ideas to resolve our problems?
- A team to take our idea towards a solution?
- How do I make my solution reach its target?



# Innovation methodologies

- Types of methodologies





# The Playbook for Strategic Foresight and Innovation Methodology



# Introduction to the Methodology

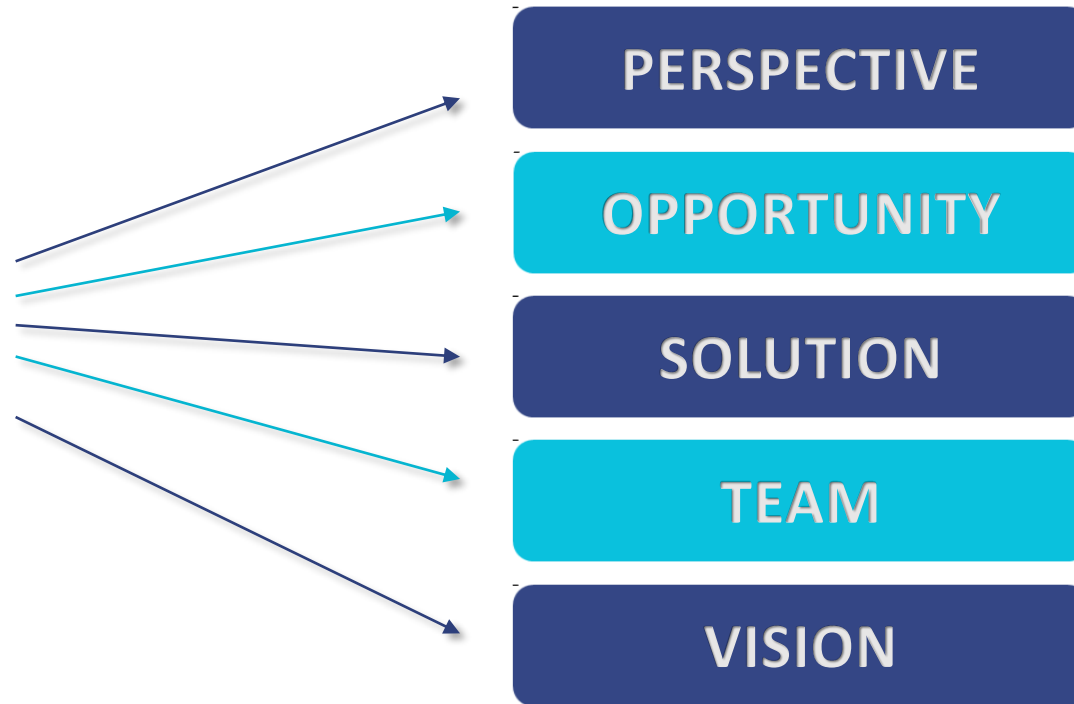
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## WHAT IS THIS GUIDE FOR?

- Creating a radical idea and turning it into a new business, product or service.
- Inspiring organizations to support and implement continuous development of innovation.



# 5 phases for the strategic planning of innovation





# 5 phases for the strategic planning of innovation

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## PERSPECTIVE

### *Strategy in the long term and R&D cycles*



#### Context Maps

What is the big picture?



#### Progression Curves

What was done in the past?



#### Janus Cones

What patterns can we anticipate?

# 5 phases for the strategic planning of innovation

## OPPORTUNITY

### *Discovering the path toward our innovation*



#### Generational Arcs

What changes in people matter?



#### Future User

How are our future customers?



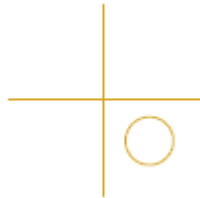
#### Futuretelling

How can we excite our audience?

# 5 phases for the strategic planning of innovation

**SOLUTION**

*...the prototype of the innovation*



**White Spots**

Where is the untapped market?



**Paper Mockups**

What is our first prototype?



**Dark Horse**

What is essential about our idea?



**Change Paths**

What action should we do next?



# 5 phases for the strategic planning of innovation

## TEAM

### *Surrounding ourselves with innovators*



#### Buddy Checks

How do we find good partners?



#### VOICE Stars

What leadership do we need?



#### Crowd Clovers

How can we use our network?

# 5 phases for the strategic planning of innovation

**VISION**

*A shared vision*



**Vision Statement**

What is a good vision?



**DARPA Hard Test**

How can we test our vision?



**Path Finders**

How can our vision succeed?

## How do we use the Playbook?

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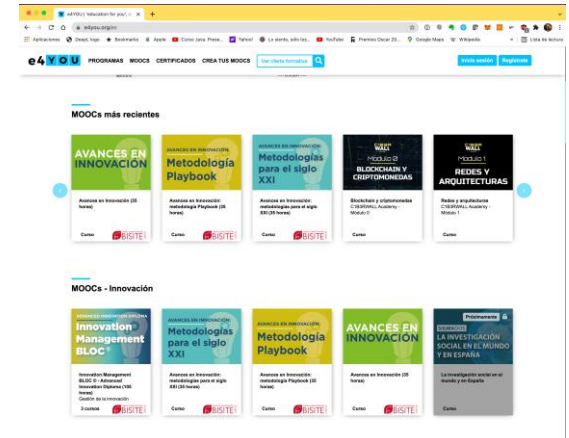


- We can start at any point in the guide.
- For the widest and most complete idea of strategic innovation planning, it is advisable to start from the beginning.

# How do we use the Playbook?

*For quicker and more comprehensible reading, the guide is structured as follows:*

- General Information
- Overview of method, tips, and other items that require attention
- Schema with annotations and insights
- Step-by-step instructions and proposals to encourage innovation







Co-funded by the  
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of the European Union



# Thanks



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