



TeamUp5G Workshop on Ethics and Inclusiveness for Telecommunications Engineers

ENTREPRENEURIAL LEADERSHIP OF WOMEN RESEARCHERS (PAIDI2020.AT17.6085)

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- Activities



Why we need to talk about the role of women in KT activities?



Knowledge Transfer Evaluation in Spain

- Fewer women than men apply.
 - Of the total number of applications submitted, only 34% were submitted by women.
- When women apply, they have significantly lower success rates than men (12,5% lower)







32,4%

44,9%

28%

48%

All the fields (average)

Business Management



Women academics and the Third Mission (knowledge transfer activities)



SCIENCE TECHNOLOGY

INNOVATION

PRODUCTS

SERVICES

PROCESS

The third mission of universities refers to the social, enterprise, and innovative activities that universities perform in addition to teaching and research tasks

INDUSTRY

SOCIETY

PUBLIC SERVICES





Classical ways of knowledge transfer

- Patents
- Licensing
- Contracts (Art. 83 of LOU, in Spain)
- Consultancy
- University spin-offs

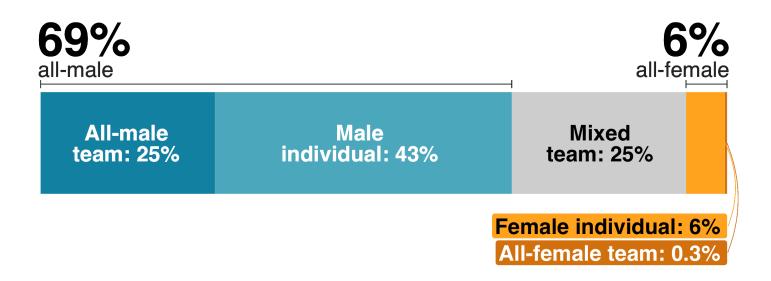




Two-thirds of applications still all-male

Most patents come from just men

Gender breakdown of new patents submitted in 2017 where gender could be inferred by name



N.B Numbers may not add up to 100 due to rounding

Source: IPO analysis of PATSTAT data

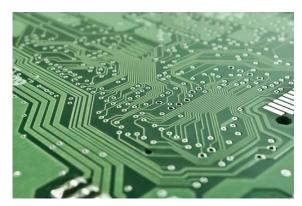




Patents* by disciplines







BioTech

Pharma

Electrical engineering

53%

52%

<10%

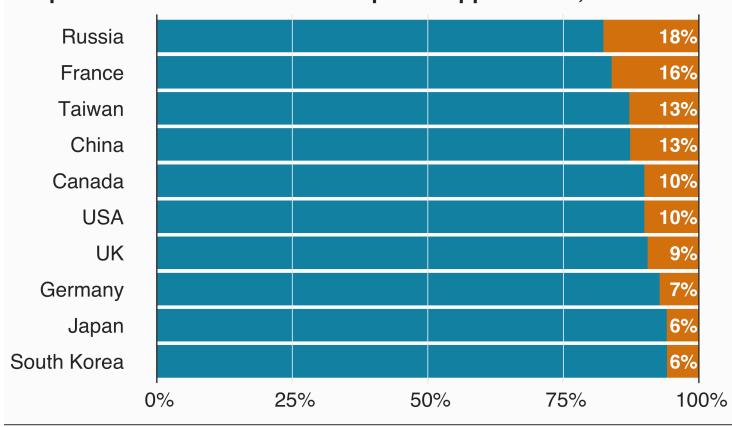
^{*}patents that have at least one female inventor.





Patents by countries

Russia has higher share of women inventors Proportion of men and women in patent applications, 1998-2017



Source: IPO analysis of PATSTAT data



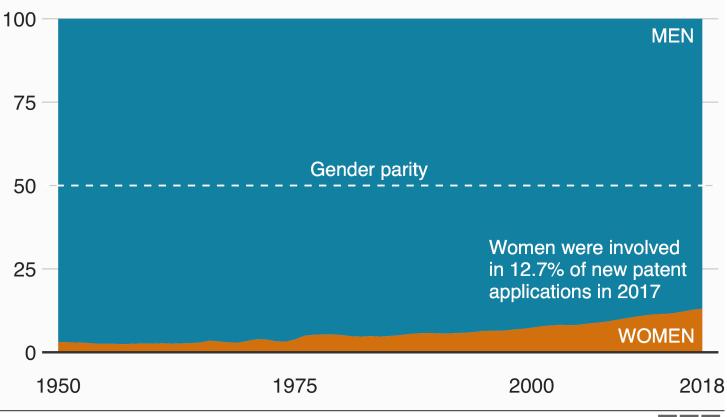




Parity by 2070

Proportion of women inventors is rising slowly

Gender breakdown of names in patent applications





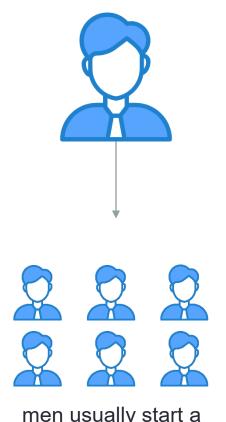
Women in University spinoffs

- 2015 UK: women represented 8,3% of main founders or co-founders (<u>UK Enterprise Research Centre</u>: sample of 350 spin-out companies).
- 2011 Spain: 14% of companies had female academic participation (Fuentes et al., 2011: sample of 896 TBCs and spinoffs).
- 2020 Spain: it has been estimated that women represent
 30% of spinoff founders in Spain since 2012
 (Observatorio de Mujeres, Ciencia e Innovación)

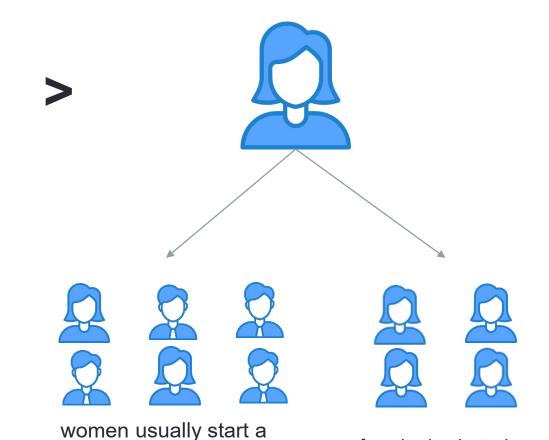




Characteristics of the founders of spinoffs by gender (Spain)



men usually start a business with other men



business in diverse team

female-dominated areas

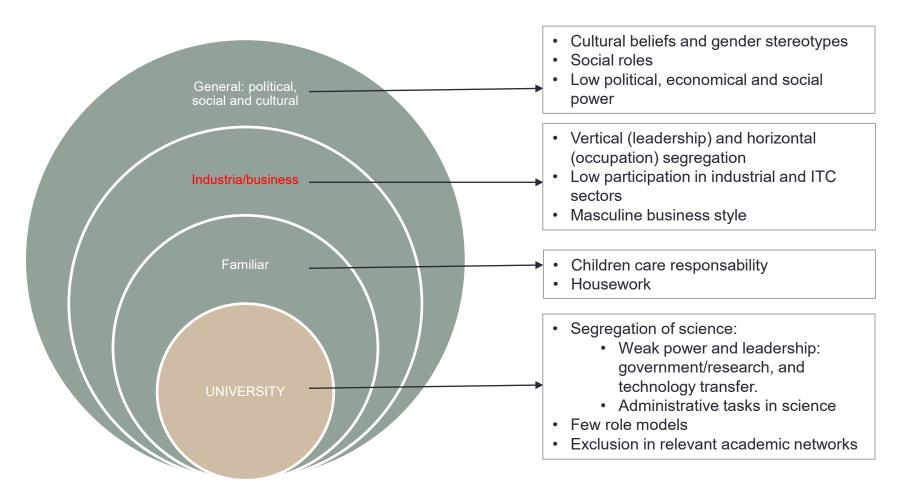


Why academic women are barely present in knowledge transfer activities?





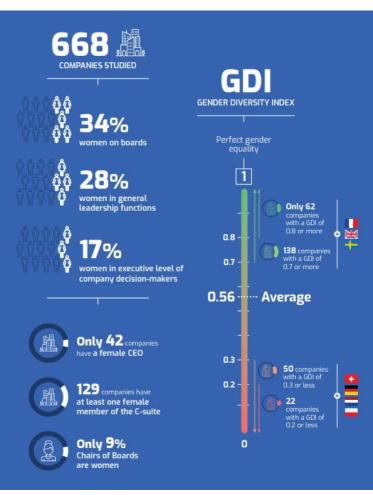
Academic women context







Business context (Economic power)



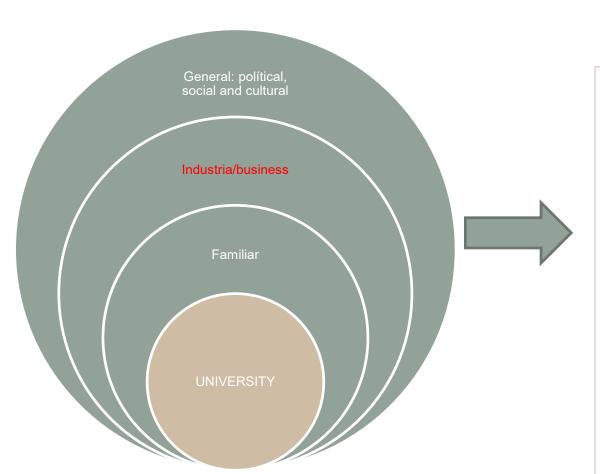
- Vertical (leadership) and horizontal (occupation) segregation
- Low participation in industrial and ITC sectors
- Masculine business style

Source: European Women on Boards Gender Diversity Index 2020





Academic women context



Lower resources:

- Reserch team
- Access to finance
- Business networks

Less credibility

Barriers: life cycle of motherhood, family-work balance...





Entrepreneurial Leadership of Women Researchers

Objetives

VISIBILITY
AND
ROLE MODELS

INTERCONNECTION
AND
NETWORKING

INFORMATION AND POLICIES

Activities

Website SonPioneras Training: business, entrepreneurship and leadership

Reserch about indicators by gender in KT

Talks and thematic panels

Workshop Business-Women academics >> Innovation





https://www.sonpioneras.es/



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Talks and Thematic panels





Mujer, Ciencia y Transferencia 9 de Febrero de 2021 a las 16:30 horas



María del Carmen Llasat

Catedrática de Física de la Atmósfera. Premiada por la Universidad de Barcelona con de la UB a las mejores actividades de divulgación científica y humanística

Mesa redonda: «Experiencias de emprendimiento académico en Biosalud»



Germaine **Escames** Catedrática de Fisiología y Co-Fundadora de Pharmame



Rosario Sánchez Profesora de Química Farmacéutica y Orgánica y Chief of the Advisory Board de Nanogetic



Concepción Calvo Catedrática en Microbiología de la Universidad de Granada v Co-Fundadora de /itaNtech Biotechnology

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Mesa redonda: **«Salud y Deporte»** 19 de noviembre de 2020 a las 16:30 horas



Leonor **Gallardo** laoid Sportec



Virginia **Aparicio** Gestafit



Palma Chillón Biciconecta v Profitch



Eva Orantes Laboratorio

Hubema Lab

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Mesa redonda: «Transferencia de Académicas STEM»

9 de Febrero de 2021 a las 16:30h.

Mesa redonda: Tecnología y Arte. 26 de Enero de 2021 a las 16:30 horas









Rueda





Zamorano



María del Carmen Carrión

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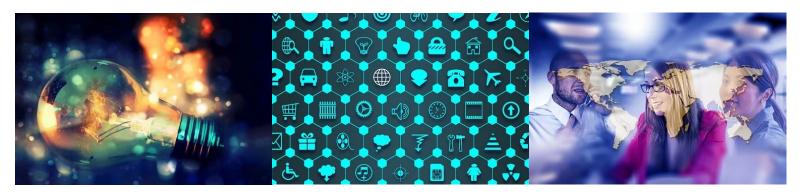
Training: business, entrepreneurship and leadership







Workshop: Women and Innovation



- 1. To showcase research done by women to the business sector.
- 2. Networking and business contacts





Reserch about indicators by gender in KT







Thank you for your attention

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