

Estrategias Pùblicas para la incorporación de la perspectiva de género en la ciencia, la tecnología y la innovación

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Ministerio de Economía y Competitividad

Comunicación de la Comisión Europea sobre el ERA, julio 2012

El género es una de 5 prioridades clave:

Sistemas nacionales de investigación más efectivos

Cooperación y competencia transnacional óptimas

Respecto a agendas comunes, grandes retos e infraestructuras

Un mercado laboral abierto para los investigadores

Facilitando la movilidad, apoyando la formación y asegurando el atractivo de las carreras

Igualdad de género y género en el contenido de la investigación

Apoyando la diversidad de género para promover la excelencia científica y la relevancia

Circulación y transferencia óptimos de conocimiento científico

Para garantizar a todos el acceso al conocimiento

Horizonte 2020

Art 15 y otros

- Mujeres en ciencia, tecnología e innovación
- Cambio estructural de las instituciones y modernización de la gestión de los recursos humanos
- Dimensiones de sexo y género en la investigación y la innovación

Ley de la Ciencia

- Elaborar y publicar estadísticas
- Representación equilibrada de hombres y mujeres en comités
- Mecanismos para reducir sesgos de género y cegar CVs cuando sea posible
- Planes de igualdad en OPIs
- Incorporación del género en el contenido de la investigación, en todas las fases del proceso
- Refuerza estudios de género y de las mujeres

Estrategia Española de Ciencia y Tecnología y de Innovación

Uno de siete principios básicos:

La dimensión de género, para evitar la pérdida de talento, diversificar los puntos de vista y promover la excelencia. Este principio supondrá la adopción de medidas activas para el cambio estructural de las organizaciones científicas, así como la integración de la dimensión de género en el contenido de la investigación y la innovación.

Acciones y planes

Desarrollo de la Ley de la Ciencia:

- Convocatorias del Plan Nacional
- Apoyo a planes de igualdad en OPIs
- Estadísticas españolas y europeas
- Estudios

Actuaciones interministeriales:

- Plan de Igualdad en la Sociedad de la Información
- Agenda Digital / Smart Cities
- Plan de Igualdad de la AGE
- Red de Igualdad de los Fondos Estructurales



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CIENTÍFICAS EN CIFRAS 2011
*Estadísticas e indicadores
de la (des)igualdad de género
en la formación y profesión
científica*

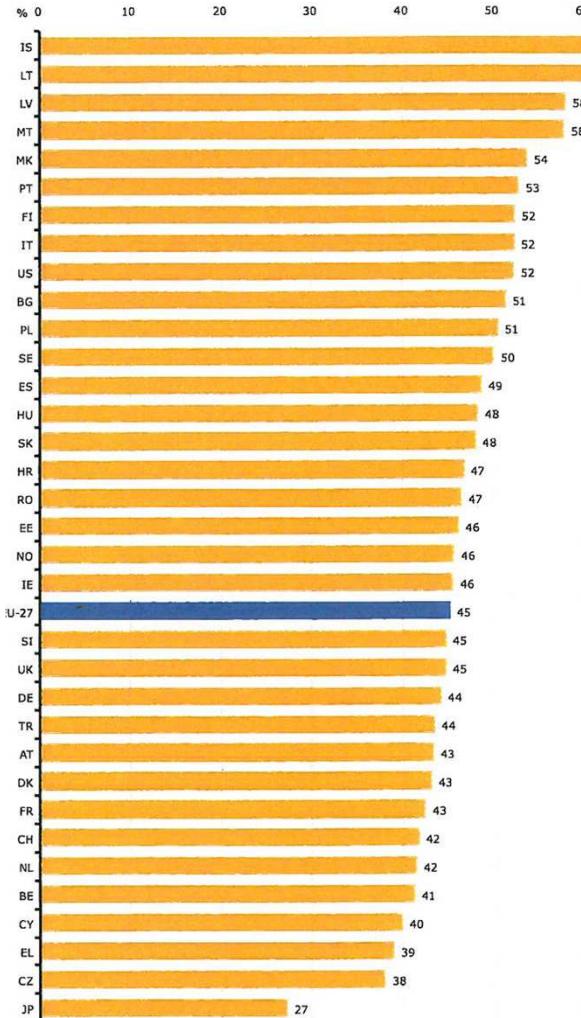
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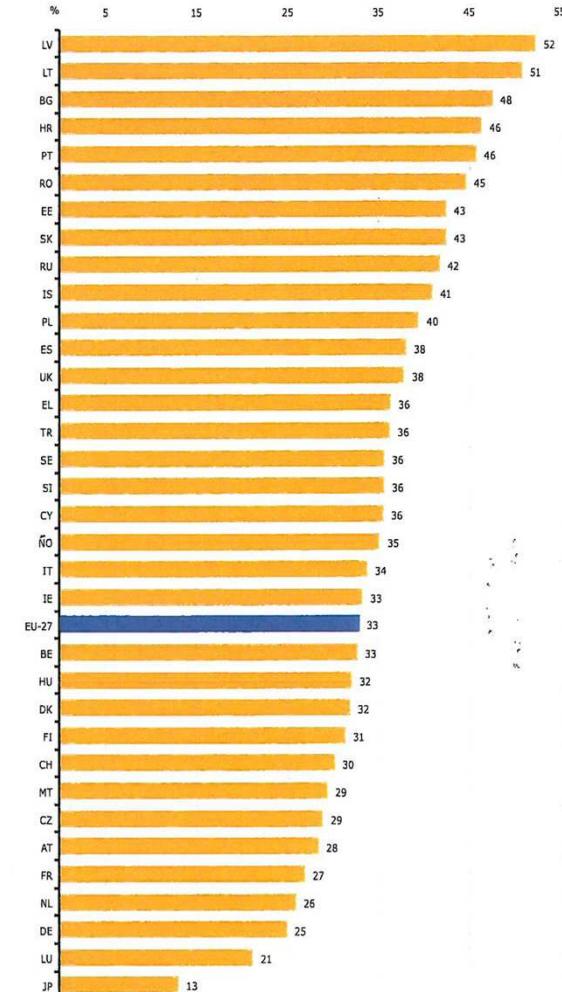


PROPORTION OF WOMEN PhDS, RESEARCHERS, FULL PROFESSORS



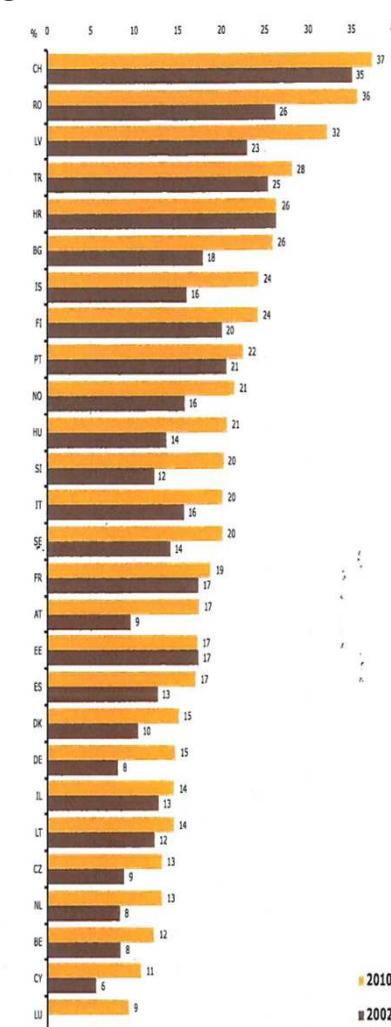
Source: Education Statistics (Eurostat).

Exceptions to the reference year: EL, IT: 2008. Data estimated: EU-27 (by Eurostat).



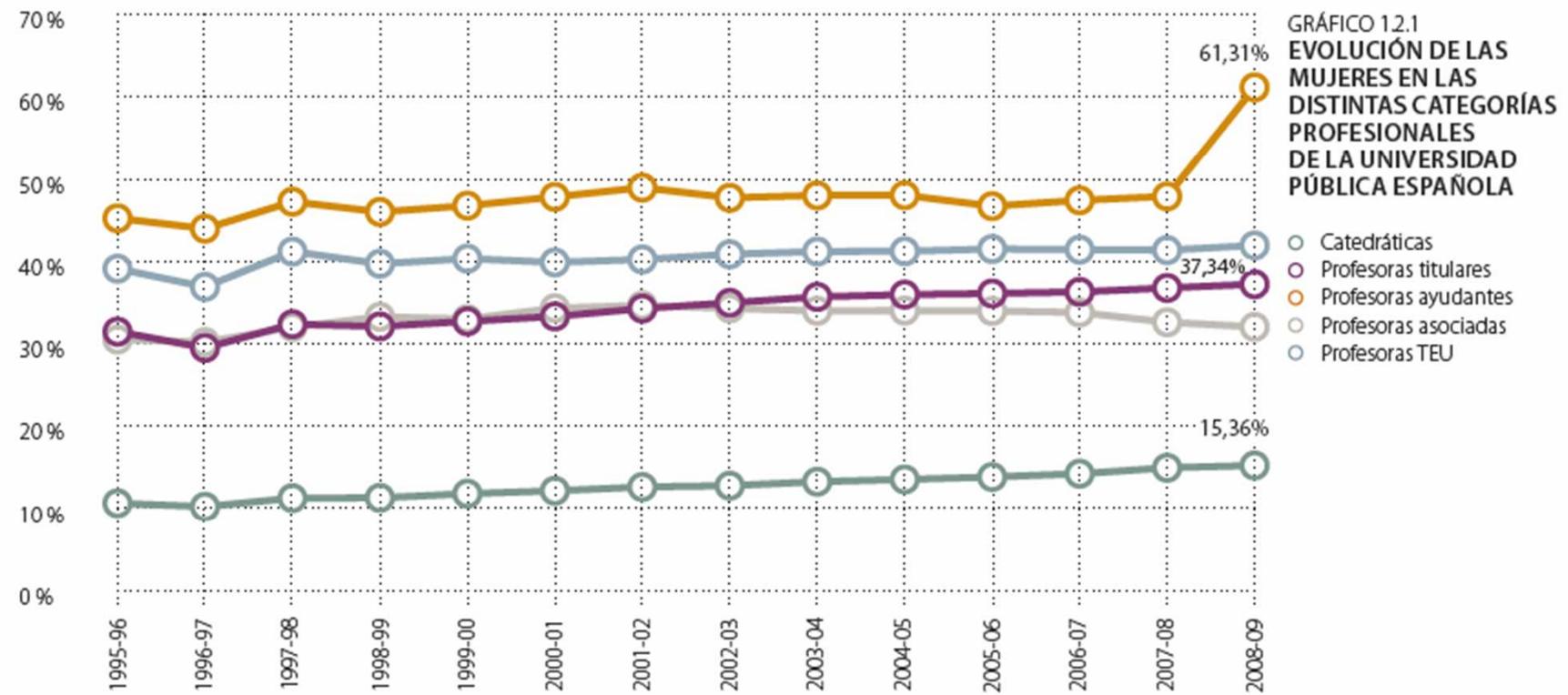
Source: Education statistics (Eurostat).

Exceptions to the reference year: JP, CH, RU: 2008; EL: 2005. Data estimated: EU-27 (by Eurostat), UK, IE. Head count.



Source: WIS database (DG Research).

Exceptions to the reference years: EE (2004-2002); LT (2007-2002); CZ (2008-2002); RO, PT, SE, FR, AT, DK, CY (2009-2002); NO, NL (2010-2003); IL (2010-2006); CH (2010-2007); HR (2010-2008). Head count.





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Who's the Scientist?

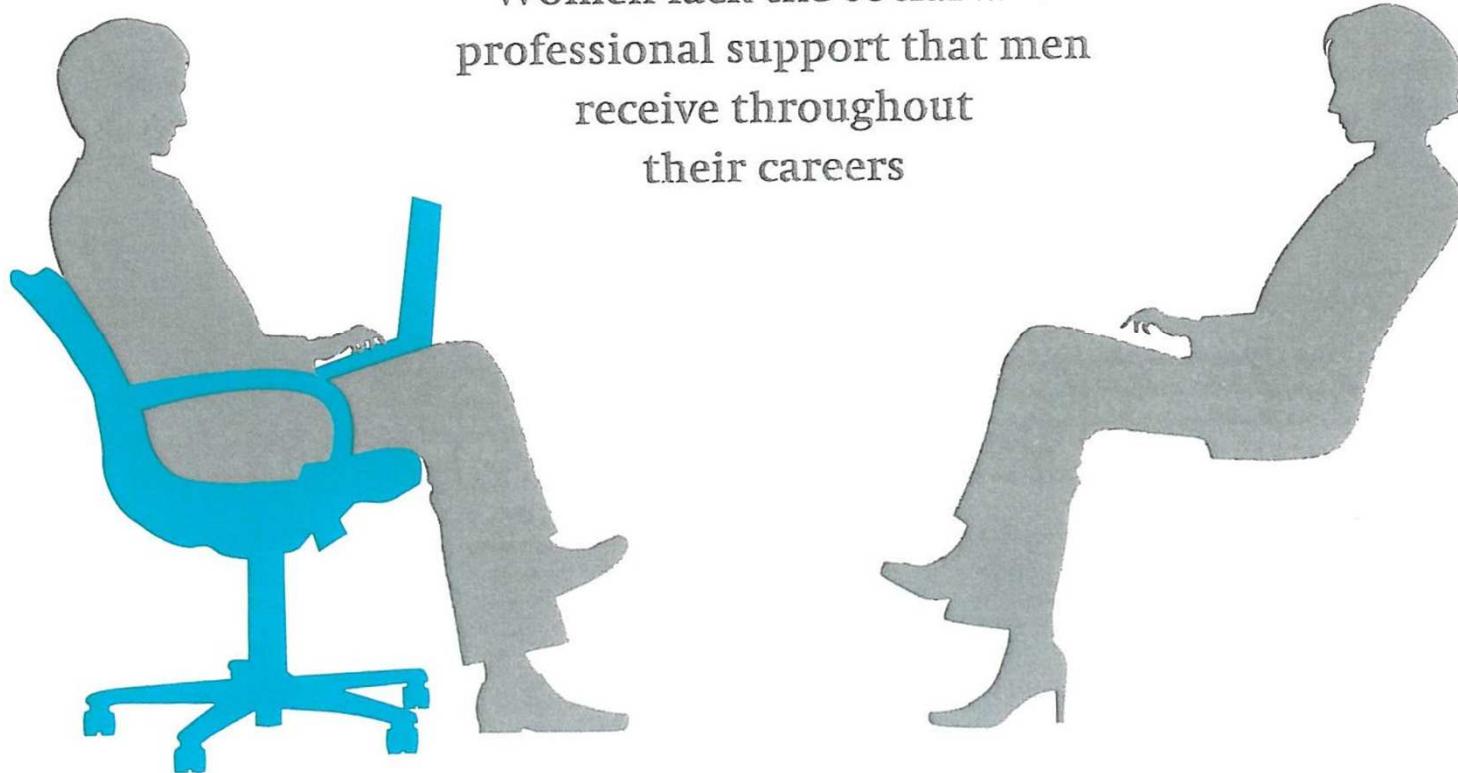
Seventh graders describe scientists before and after a visit to Fermilab:
<http://ed.fnal.gov/projects/scientists/amy.html>



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Women lack the social and
professional support that men
receive throughout
their careers



Project Implicit®



Demonstration

The demonstration site for the Implicit Association Test (IAT). Click the button above to learn about implicit associations and try out various IATs. Or, go directly to our featured task: [Decision 2012](#).

Research

The research site for Project Implicit. Click the button above to participate in on-going research measuring implicit associations for a variety of topics.

Try out the [Implicit March Madness bracket!](#)

New: [Project Implicit Mental Health!](#)



中文 (China), Български език (Bulgaria), Czech (České republiky), Deutsch (Austria, Germany, Switzerland), English (Aus, Can, Ind, Ire, SAf, UK), Español (Colombia, Mexico, Argentina, Spain), Flemish (Belgium), Français (Canada, France, Switzerland), Magyar (Hungary), עברית (Israel), Italiano (Italy), 日本語 (Japan), 한국어 (South Korea), Latvian (Latvia), Nederlands (Netherlands), Norwegian (Norway), Polski (Poland), Português (Portugal, Brazil), Română (Romania), Русский (Russia), Srpski (Serbia), Svenska (Sweden), Thai (Thailand), Türkçe (Turkey)



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LEAN IN

Meet The Community
Learn From Experts
Connect With Peers



FROM OUR BLOG



You Don't Need a Job to Lean In
By Jordan Carlin | April 16, 2010

This is a story about other people in my class calling me bossy (the 'b' word). One time in class, our senior supervisor for the assignment was teaching us how to...

Comisión Europea

Desarrollo de las recomendaciones del Expert Report Structura Change, CE 2011

Ines Sanchez de Madariaga (*Chair*),
Tiiia Raudma (*Rapporteur*), Thomas
Eichenberger, Alice Hogan, Elizabeth
Pollitzer, Teresa Rees, Martina
Schraudner, Sophie Sergent

Structural change in research institutions: Enhancing excellence, gender equality and efficiency in research and innovation

Recomendaciones

1. Transparencia en la toma de decisiones
2. Supresión de sesgos inconscientes en las prácticas institucionales
3. Promover la excelencia a través de la diversidad
4. Mejorar la calidad y validez de la investigación integrando la perspectiva de género
5. Modernizar la gestión de los recursos humanos y el entorno laboral



Gendered Innovations

in Science,
Health & Medicine,
Engineering, and
Environment

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Public Transportation: Rethinking Concepts and Theories

The Challenge

Categories used in transportation surveys—and, hence, the way statistics are gathered and analyzed—may not properly account for caring work—that is unpaid labor performed by adults for children or other dependents, including labor related to the upkeep of a household. Public transport systems are typically designed around the needs of commuters (people traveling between their homes and places of paid employment). The mobility associated with caring work, including childcare and elder care, has typically not figured into transportation design.

Method: Rethinking Concepts and Theories

The innovative concept “mobility of care” provides a perspective for “recognizing and revaluing care work” (Sánchez de Madariaga, 2009). Incorporating “caring work” into user surveys helps to identify the significant number of trips that women and men make for this purpose. Understanding gender differences in public transportation is important for understanding [climate change](#) and planning efficient [housing and neighborhoods](#).

Gendered Innovations:

1. Adding the concept, “mobility of care,” to data collection variables may render public transportation more responsive to users’ needs.
2. Understanding gender differences in travel has led to the concept of “trip chaining,” with ramifications for the design of public transport systems.
3. Gathering data disaggregated by sex and other [factors](#) intersecting with sex and gender (such as income, family status, etc.) improves transportation research and policy.

[Go to Full Case Study](#)



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<http://genderedinnovations.stanford.edu/case-studies/transportation.html>

Method: Rethinking Language and Visual Representations

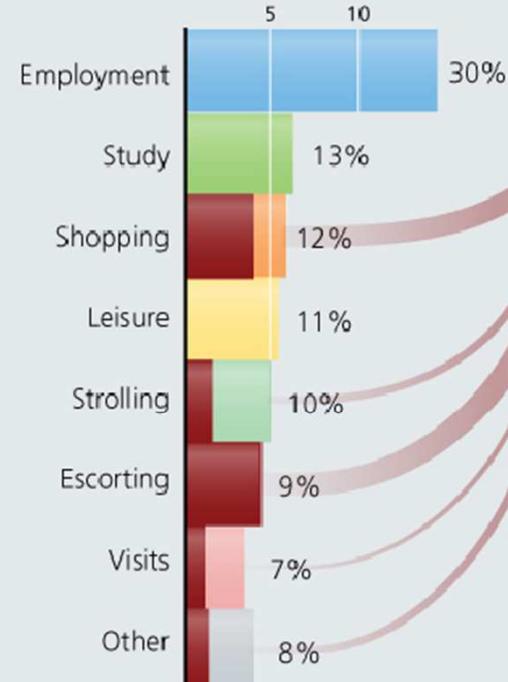
The innovative concept "mobility of care" reveals significant travel patterns otherwise concealed in data collection variables (Sánchez de Madariaga, 2012; Sánchez de Madariaga, 2009). The charts below represent public transportation trips made in Spain in 2007. The first chart (left) graphs transportation data as traditionally collected and reported. It privileges paid employment by presenting it as a single, large category. Caring work (shown in red) is divided into numerous small categories and hidden under other headings, such as escorting, shopping, leisure, etc.

The second chart (right) reconceptualizes public transportation trips by collecting care trips under one category. Visualizing care trips in one dedicated category emphasizes the importance of caring work and allows transportation engineers to design systems that work well for all segments of the population, improve urban efficiency, and guard against global warming (Sánchez de Madariaga, 2011).

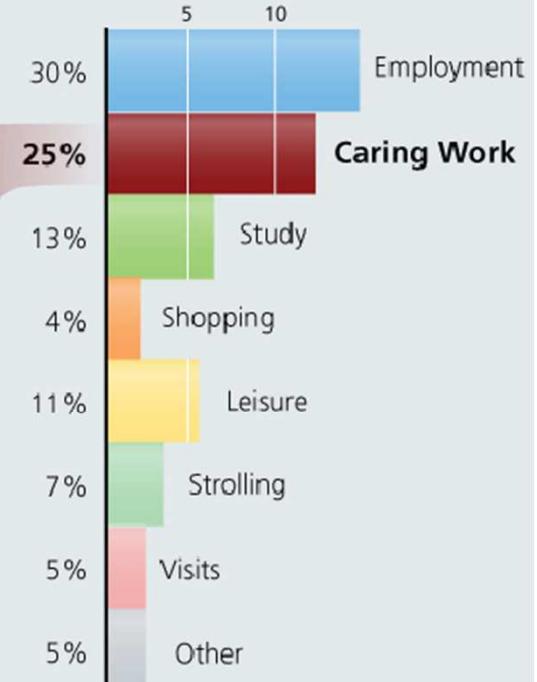
Public Transportation Trips by Purpose

2006-2007, Spain

Data As Traditionally Collected



Data Collected Using the Concept "Mobility of Care"



Care-related Trips

Care-related trips are concealed within several travel categories

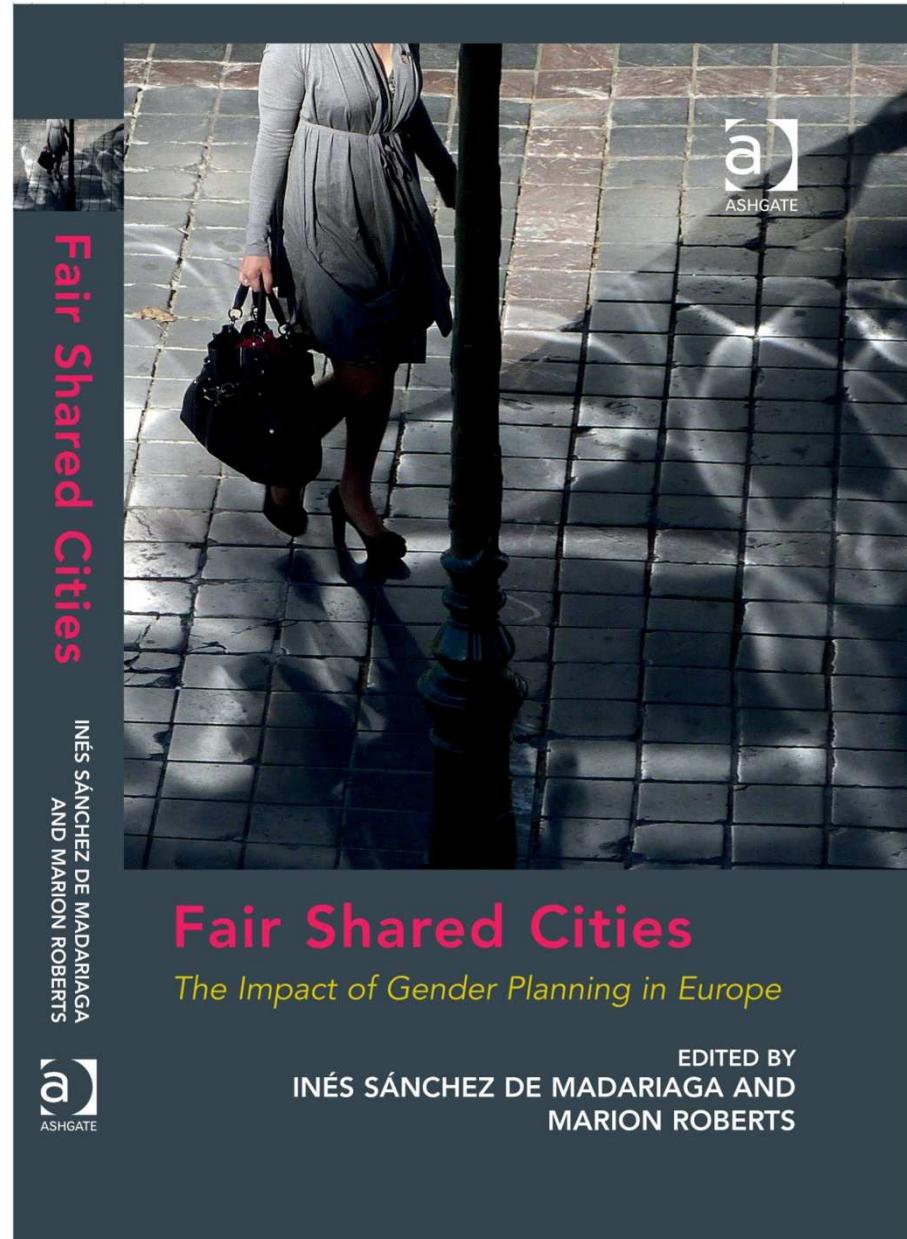
When identified as a dedicated category, caring work accounts for a full quarter of all public transportation use



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The image shows the homepage of the genderSTE website. The header features the 'genderSTE' logo with the subtitle 'Science, Technology, Environment' and a navigation bar with links to 'Structural change', 'Gender in research', 'Cities', 'Transport', 'Climate change', 'Innovation in industry', 'Activities', and 'Login'. The main content area has a dark background with a blue and green abstract graphic on the right. On the left, there are three main sections: 'What we do' (with a 'Add a story >>' link), 'Who we are', and 'Why we do it' (with a 'Reasons for action >>' link). A central box titled 'what is genderSTE' provides a brief description of the network's mission and members. Below this, a timeline shows events for April: '3 Apr 7:00pm Dan Ariely: The Problem of Self-Control', '8 Apr 6:00pm Office Hours: Ask Your Questions Live!', '15 Apr 6:00pm Office Hours: Ask Your Questions Live!', '17 Apr 7:00pm Adrian Drake: Engineering, Space & LEGO', and '22 Apr 6:00pm Office Hours: Ask Your Questions Live!'. The footer contains logos for the Spanish Government, the Ministry of Economy and Competitiveness, UMYC, COST, Politécnica de Madrid, and the European Union.

genderSTE
Science, Technology, Environment

Structural change Gender in research Cities Transport Climate change Innovation in industry Activities Login

What we do
Add a story >>

Who we are

Why we do it
Reasons for action >>

what is genderSTE

genderSTE is a network of policy makers and experts committed to promoting a fairer representation of women and better integration of gender dimensions in research and innovation. We disseminate state of the art know-how on structural change of institutions and on methods for gendered analysis in research. We aim at advancing the state of knowledge in the specific fields of cities, transport, energy and climate change. Our members represent government bodies, research organizations, universities, non-profits, and SMEs from over 30 countries, in Europe and beyond.

Events

3 Apr 7:00pm Dan Ariely: The Problem of Self-Control

8 Apr 6:00pm Office Hours: Ask Your Questions Live!

15 Apr 6:00pm Office Hours: Ask Your Questions Live!

17 Apr 7:00pm Adrian Drake: Engineering, Space & LEGO

22 Apr 6:00pm Office Hours: Ask Your Questions Live!

UMYC

COST

POLITÉCNICA DE MADRID

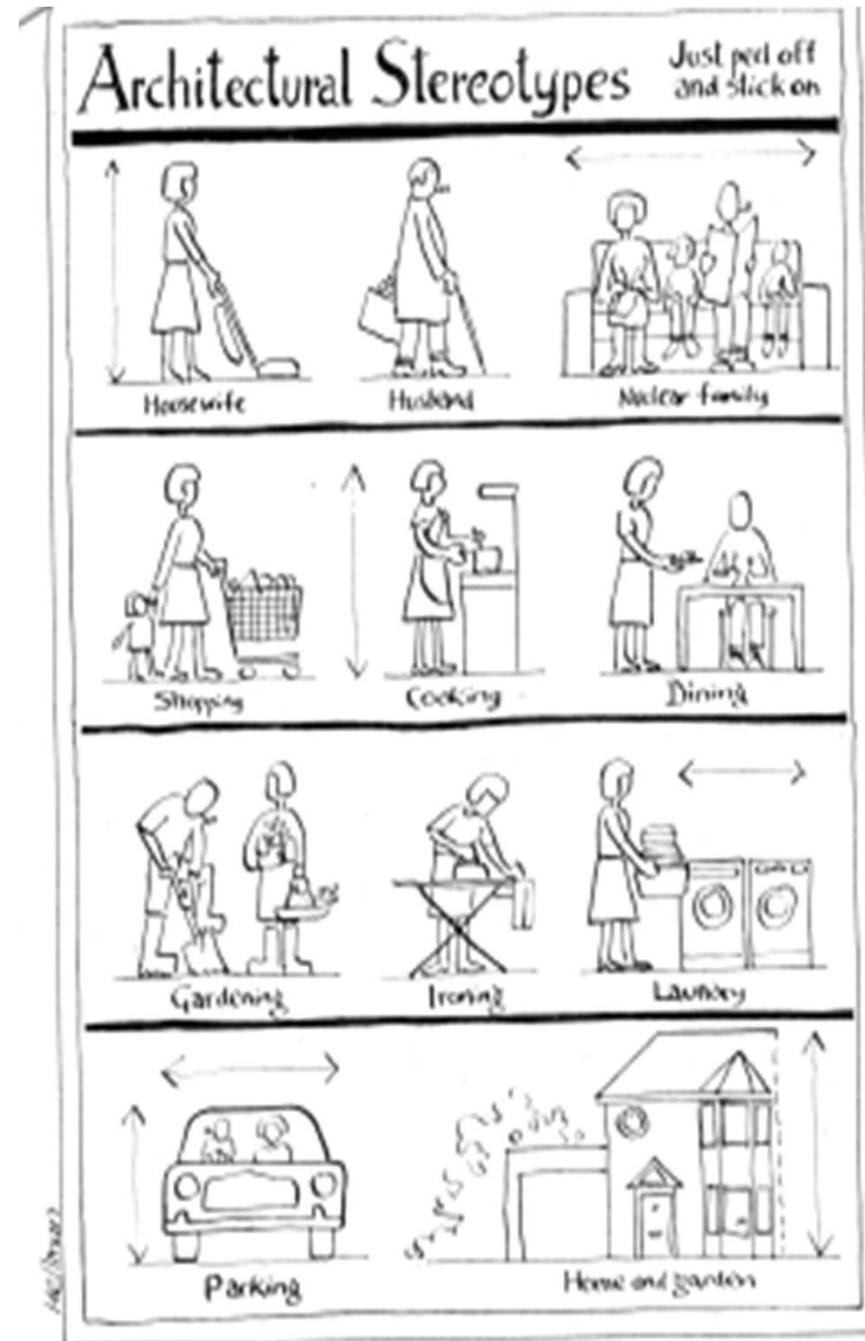
CAMPUS DE EXCELENCIA INTERNACIONAL

COST is supported by the EU's Horizon 2020 Research and Innovation Programme



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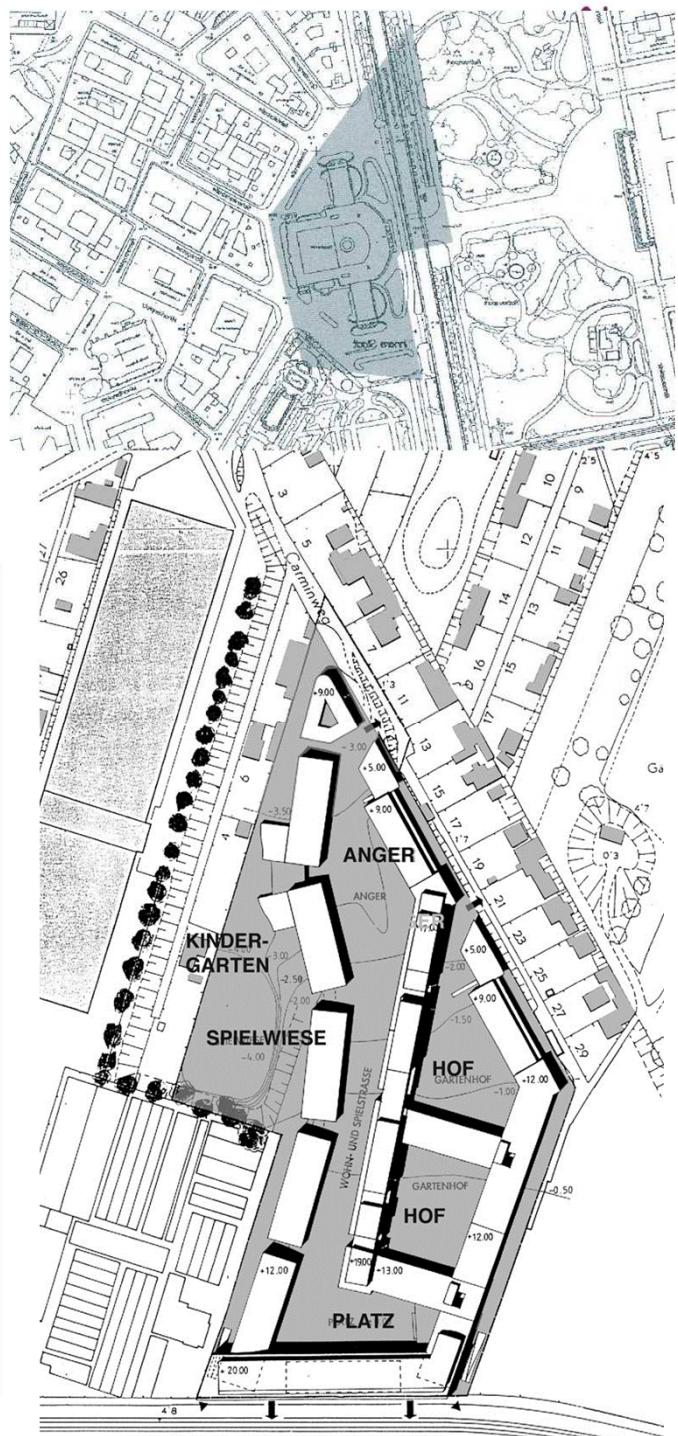
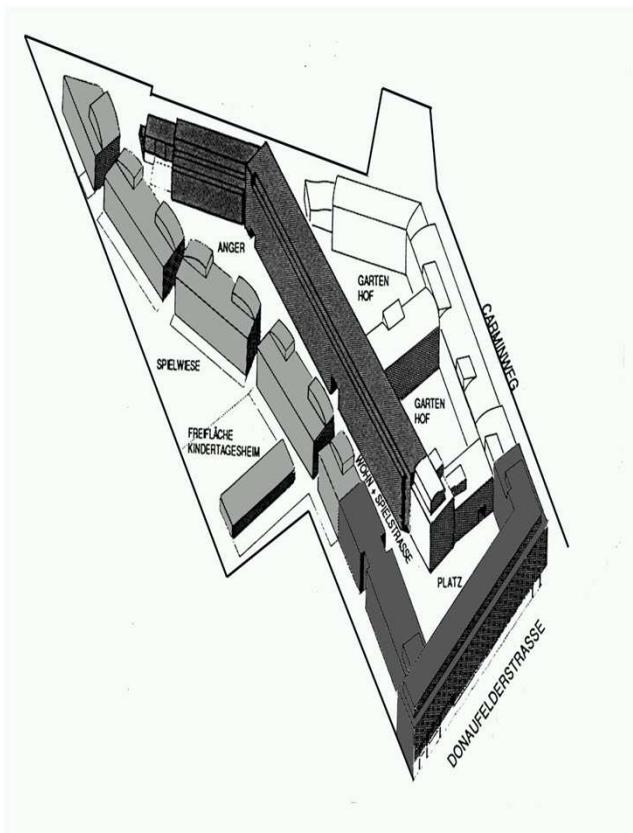




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Vivienda. FrauenWerkStadt, Viena





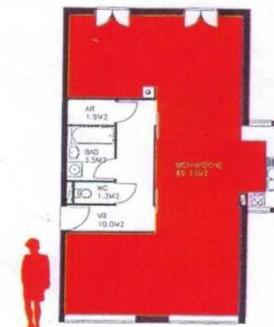
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Viviendas adaptables



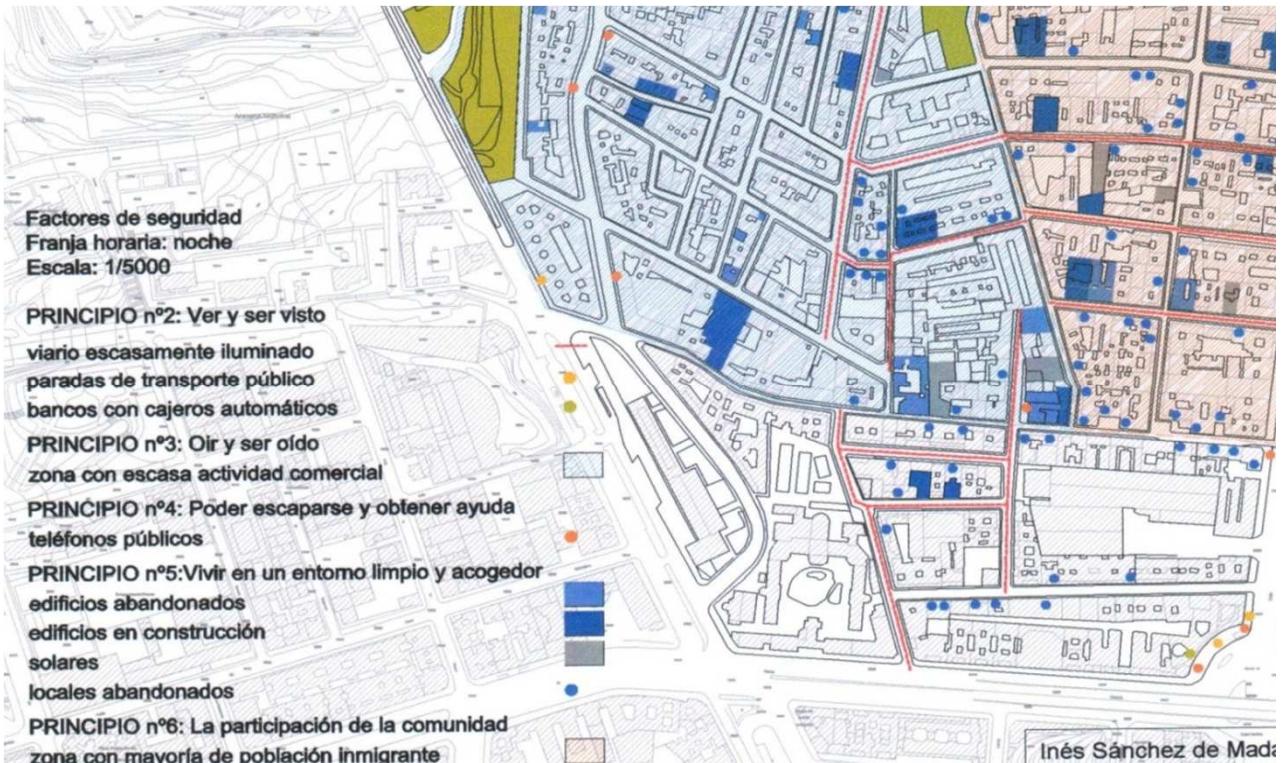


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Seguridad y calidad del espacio público

Principios aplicados en
Toronto y Montreal
Franja horaria noche



Smart Cities para todos

- ¿Qué preguntas habría que hacer?
- ¿Qué datos manejar?
- ¿Qué servicios, espacios, ...,, diseñar?

Temas a tener en cuenta

- Vida cotidiana
- Cuidado
- Seguridad
- *User-driven design*: preferencias H+M/ ergonomía