

Ciencia en el  
Parlamento




#CienciaenelParlamento:  
when Science spread through Parliament

constituc4ón

Eduardo Oliver, PhD  
*Coordinator and Vice-President*





“ Countries do not invest on science because they are rich: **they are rich because they invested in science...**

... but, it's not just a matter of money, **we need a cultural change!** ”

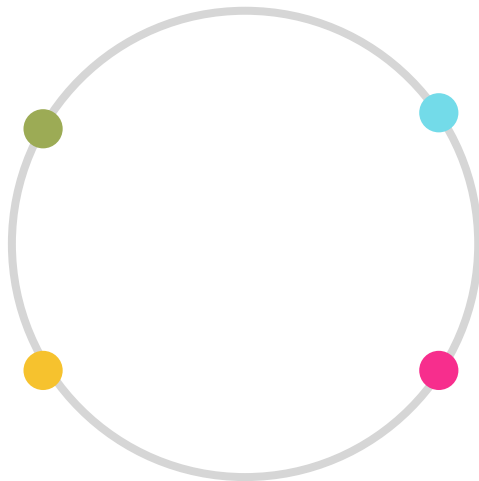
“The most prosperous societies use science in their day to day”



SCIENCE  
for Health



SCIENCE  
for better quality of life



SCIENCE  
for basic needs



SCIENCE  
for human curiosity

# ... so, why don't we use **Science for Policy?**”



**SCIENCE  
for Health**



**SCIENCE  
for better quality of life**



**SCIENCE  
for Policy Makers**



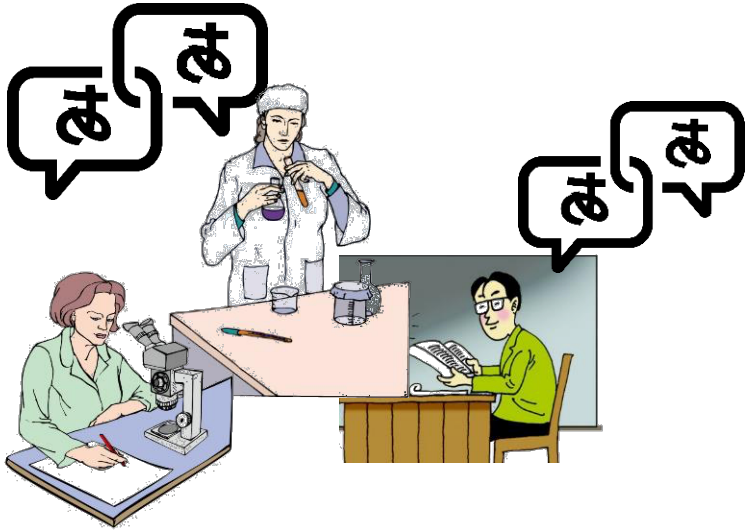
**SCIENCE  
for basic needs**



**SCIENCE  
for human curiosity**

# Different worlds and languages

## Expert Scientist



## Policy makers



However...

## Science

from Latin *scientĭa* 'knowledge'



## Policy

from Latin *politicus* 'for citizens'

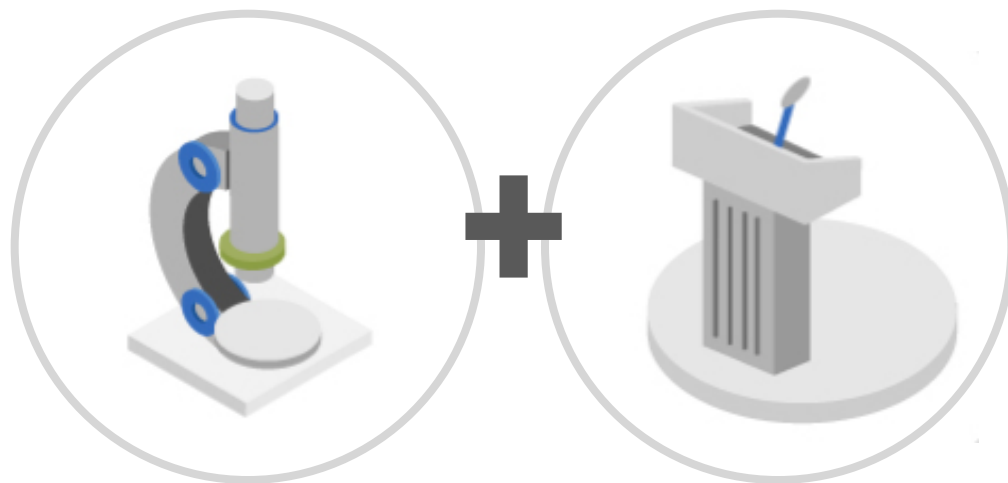


# Vision

Getting our country to bet on knowledge and innovation as the driving force of society.

# Mission

**#CienciaenelParlamento's** mission is to put science and scientific knowledge at the disposal of public management.



# Policy for Science

Management of Science and Academic system.  
Distribution of R&D funding.  
Grants, Bureaucracy, and Academic career.



# Science for Policy

**#CienciaenelParlamento** aims at promoting **scientific advise** to the legislative power.



# Evidence-informed Policy-making



**Legislative power  
(Parliament)  
DECISIONS**

Sources of  
information

**Executive power  
(Government)  
ACTIONS**



**SCIENCE  
for Policy Makers**

**Scientific Advise  
EVIDENCES**

**Policy assessment agencies  
EVALUATION**

Science and Innovation  
System



# Evidence-informed Policy-making



**Legislative power  
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**SCIENCE  
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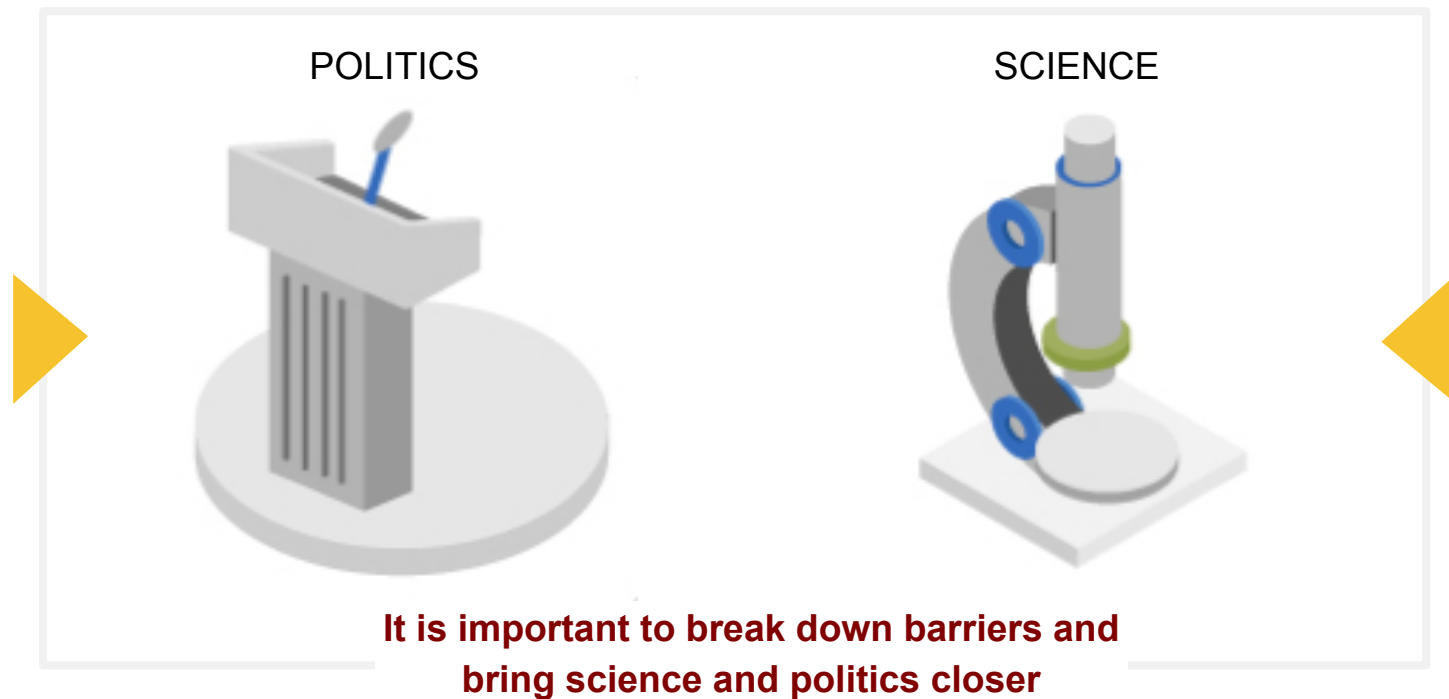
**Scientific Advise  
EVIDENCES**

**Policy assessment agencies  
EVALUATION**

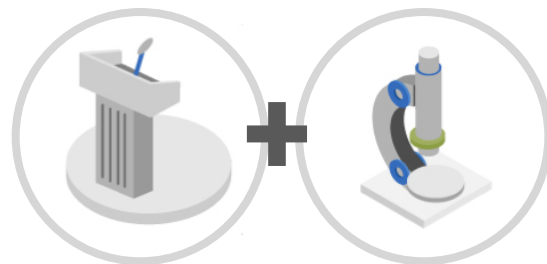
Science and Innovation  
System



# How to approach **science to public management?**



# How to approach **science to public management?**



**Regular meetings**  
between policy makers and  
scientist

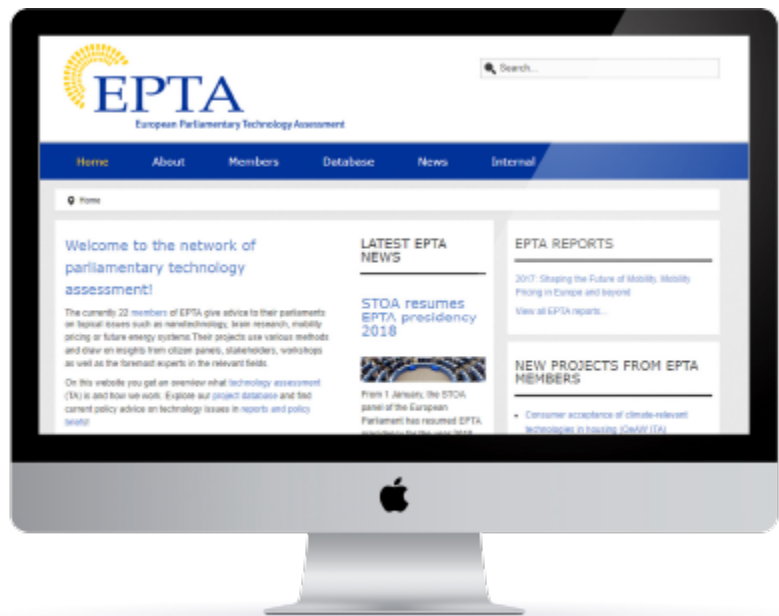


**Shadowing programs**  
between policy makers and  
scientist



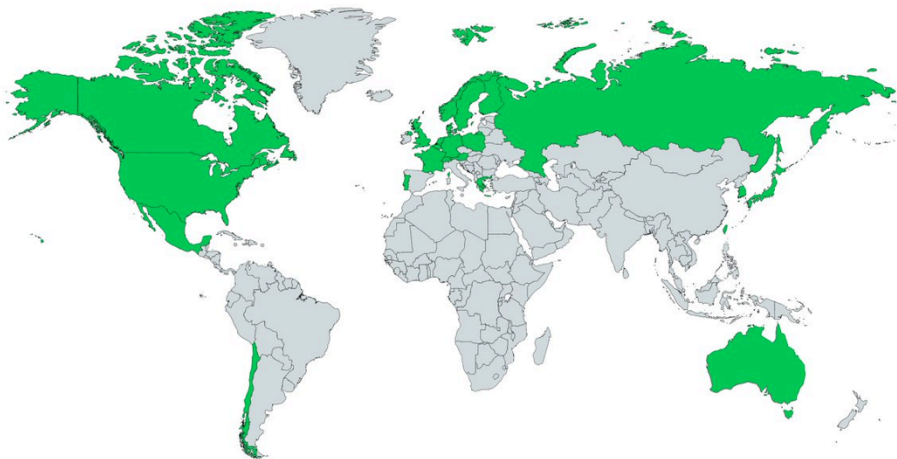
Independent  
**Scientific Advice**

# Evidence-informed Policy-making. It's not a new idea!



Spain is one of the few European countries that is not part of the European network of scientific advice offices.

<http://www.eptanetwork.org/>



# Support of the congress board and all the parliamentary groups for the organization of the **1st conference of #CienciaenelParlamento.**

01/01/2018



TWITTER  
#CienciaenelParlamento

31/01/2018



**COTEQ**  
FUNDACIÓN  
COTEQ  
PARA LA INNOVACIÓN

07/02/2018



  
CONGRESO DE LOS DIPUTADOS

22/02/2018



constituc**4**ón

11/2018



EVENT  
#CienciaenelParlamento

#CienciaenelParlamento  
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# Sponsors and collaborators

Since January 1st, 2018

#CienciaenelParlamento has obtained the support of:

- More than 180 institutions
- More than 3000 people registered



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COTEQ FUNDACIÓN PARA LA INNOVACIÓN



FECYT FUNDACIÓN ESPAÑOLA PARA LA CIENCIA Y LA TECNOLOGÍA

#CienciaenelParlamento ya ha conseguido el apoyo de:

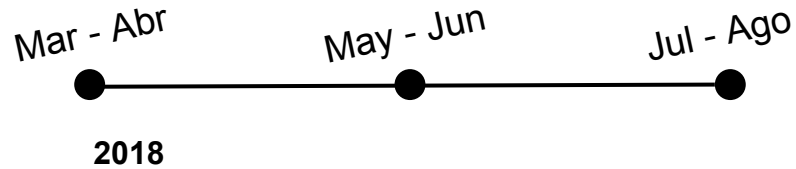


#CienciaenelParlamento  
constituc4ón



# Making #CienciaenelParlamento2018 true

## How did we get in?



Open submission for  
Subjects  
& People



Identifying  
subjects

# 12 Scientific subjects of political interest

- Open call to society
- 4 areas covering all sciences
- More than 150 proposals
- 50 pre-selected based on evidences
- 12 selected by a mixed board based on political interest



Temáticas para los coloquios del día 6 de noviembre



Ciencias biológicas y de la salud

Envejecimiento y salud: de la nutrición a las terapias avanzadas.



Ciencias físicas, matemáticas e ingenierías

Inteligencia artificial y big-data.



Ciencias de la tierra, medioambientales y de la energía

Cambio climático y futuro energético.



Ciencias sociales y humanísticas

Conciliación familiar y social.

Temáticas para los coloquios del día 7 de noviembre



Ciencias biológicas y de la salud

Prevención activa del suicidio.

Retos de las enfermedades infecciosas.



Ciencias físicas, matemáticas e ingenierías

Ciberseguridad, datos abierto y e-democracia.

Tecnologías emergentes en el transporte y las comunicaciones.



Ciencias de la tierra, medioambientales y de la energía

La contaminación por plásticos.

Gestión del agua.



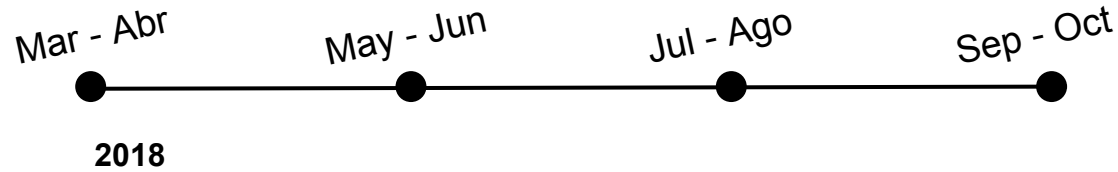
Ciencias sociales y humanísticas

Educación basada en la evidencia: las matemáticas como motor de la sociedad.

Inclusión social, migraciones y refugiados.

# Making #CienciaenelParlamento2018 true

## How did we get in?



Open submission for  
Subjects  
& People



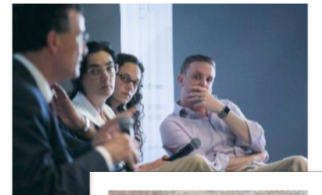
Identifying  
subjects



Selection and training of  
teamwork

# Making #CienciaenelParlamento2018 true...

The basis of Scientific Advice and Spanish *Cortes Generales*

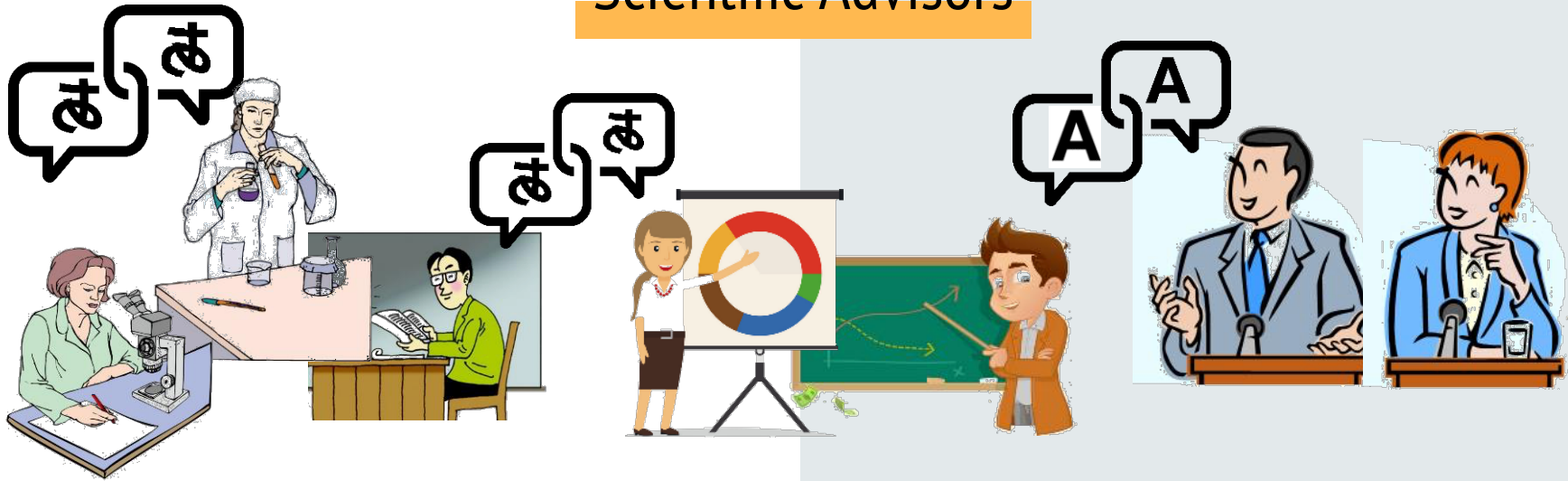


# MEDIATORS OF SCIENTIFIC KNOWLEDGE

Expert Scientist

Policy makers

Scientific Advisors



# How to become a good **Scientific Advisor**



- **Understanding Policy & Science.** Understand the policy process, adapt to context, and anticipate what evidence will be needed in the future.
- **Interpersonal Skills.** Being able to interact well with others.
- **Synthesising Research.** Provide robust and fit-for-purpose evidence.
- **Managing Collaborative Expert Communities.** Manage experts, develop networking and facilitation skills, through digital and physical interactions.
- **Communicating Scientific Knowledge.** The communication of research tailored to a non-scientific audience.
- **Advising Policymakers.** Identifying options and providing policy advice from a scientific viewpoint.
- **Engaging with Citizens & Stakeholders.** Engagement with citizens, organisations will increase the relevance and impact of the scientific evidence provided.
- **Monitoring & Evaluation Framework.** Needed to continuously improve the impact of evidence on policymaking.

# Examples of topics covered by the Parliamentary Office for Scientific and Technological advice of the UK

Aging and health system

Electricity interconnection

Levels of the rising sea

Big data and data protection

Social networks and fakenews



Summary in 4 pages of double-checked scientific evidence.

Document prepared after debate and review of more than 30 independent experts in the field.

# How does a **Parliamentary Office for Science advice** works?



**Board of Scientists and Politicians** identifies a topic in which science could help in public management



**Scientific advisors** compile a first draft of the evidence document



**Scientific advisors** meets with 25-30 **Expert Scientist**



**Scientific advisors** summarize scientific evidences in 4-5 pages



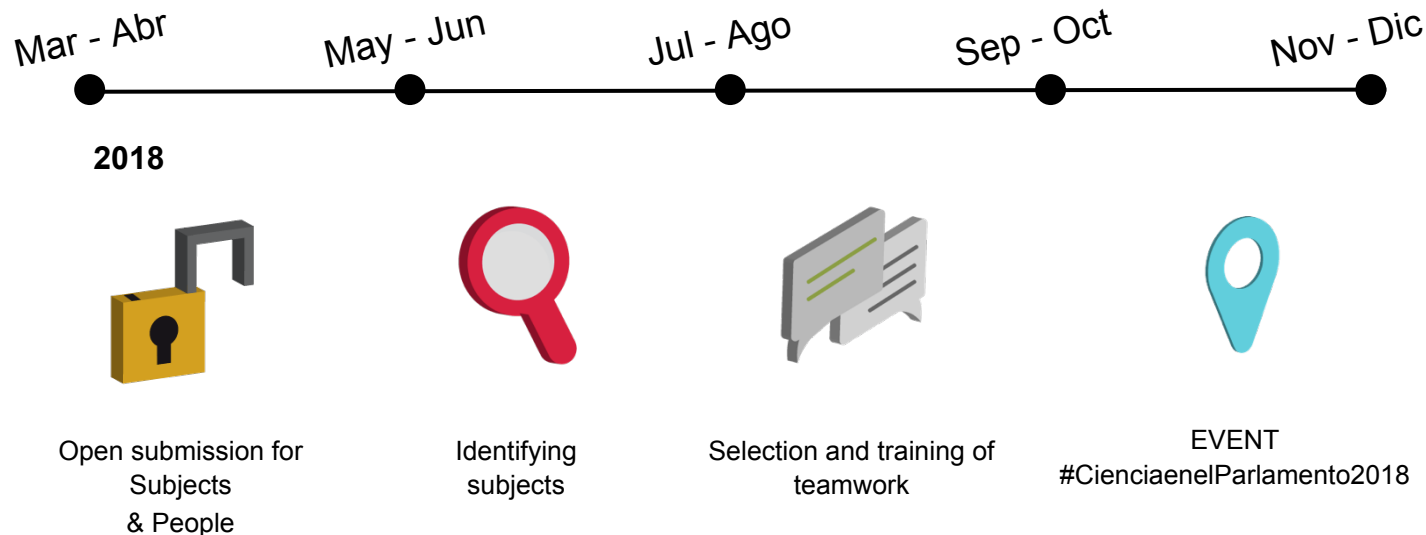
The written report of scientific evidences is **peer reviewed by independent experts**



The final version of the **Report of Scientific Evidences** is presented to politicians and publically available

# Making #CienciaenelParlamento2018 true

## How did we get in?





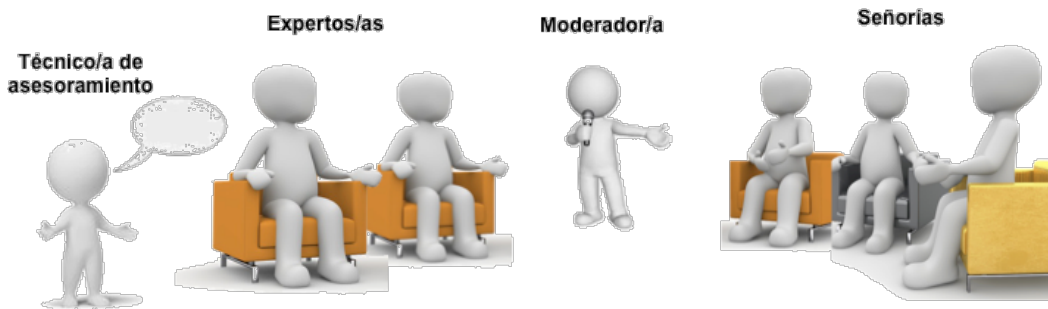
# 1st conference #CienciaenelParlamento2018

6<sup>th</sup> & 7<sup>th</sup> November 2018

**DAY 1:**

**Public roundtable 'Science for policy'**

(Sala Ernest Lluch & Streaming)



**DAY 2:**

**Work meetings**

(closed to general public)



# Two full days of Science in Parliament

*“Useful information that will help to make better decisions”*

*“Need for a permanent space for Science-Policy interaction”*

*“Consensus before scientific evidences”*



*“A bottom-up civil initiative from volunteer Scientist to Society”*

# Closing the gap between Scientist and Policy Makers





“Science is not perfect. It’s often misused; It’s only a tool, but it’s the best tool we have. Self-correcting, ever changing, applicable to everything: with this tool, we vanquish the impossible”

Carl Sagan

# To know more about **#CienciaenelParlamento...**



What do we want?



How Scientific advice works?



All about #CEEP2018



Why is relevant for you?



On the news!



Making off #CEEP2018

“We want #CienciaenelParlamento to be much more  
than an annual event ...

We want to

**MAKE SCIENCE TRENDIC TOPIC”**



Not only getting closer  
Science and Policy,  
but also being...

## **The Trojan horse of Science**





# How can you participate?

## Expert Scientist



## Scientific Advisors



# How can you participate?

## Support



### Registro Individual



¿Quieres estar informado de todas las actividades y convocatorias de #CienciaenParlamento?

Seas del sector de la ciencia, de la política o un/a ciudadano/a implicado, la ciencia debe estar a disposición de toda la sociedad, no dejes pasar la oportunidad.

INSCRIBIRME

### Registro Institucional

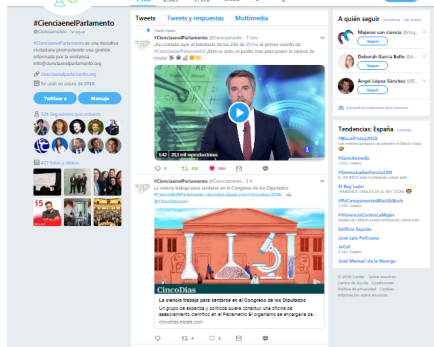


Quiere tu institución apoyar patrocinando o, por lo menos colaborando con, #CienciaenParlamento.

No dejes pasar la oportunidad de que expertos/as de vuestra institución participen en esta aventura.

INSCRIBIRME

## Dissemination





## The 2018 #CienciaenelParlamento's Team

#CienciaenelParlamento  
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# Coordinators of #CienciaenelParlamento

Andreu Climent



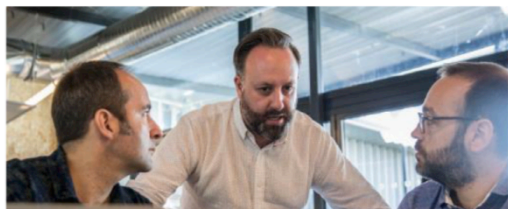
Lilian Grigorian



Lorenzo Melchor



Eduardo Oliver



Manel Souto



Cristina Giménez



Ana Elorza



Izaskun Lacunza



Ciencia en el  
Parlamento



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**SCIENCE  
IS AN  
OPPORTUNITY**



“Science and everyday life  
cannot and should not be  
separated”

Rosalind Franklin



# FOR A KNOWLEDGE-INFORMED PUBLIC POLICY MAKING, FOR A SCIENCE TO BETTER SERVE SOCIETY

MORE INFORMATION AND CONTACT:

[cienciaenelparlamento.org](http://cienciaenelparlamento.org) | [@cienciamento](https://twitter.com/cienciamento)  
[info@cienciaenelparlamento.org](mailto:info@cienciaenelparlamento.org)

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# Ciencia en el Parlamento



**THANKS TO ALL PARTICIPANT AND SUPPORTERS**