

UDA IKASTAROAK / CURSOS DE VERANO / SUMMER COURSES



# On being a (trans)scientist: no guides, no limits

UDA IKASTAROAK  
CURSOS

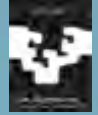
DE VERANO

SUMMER

COURSES

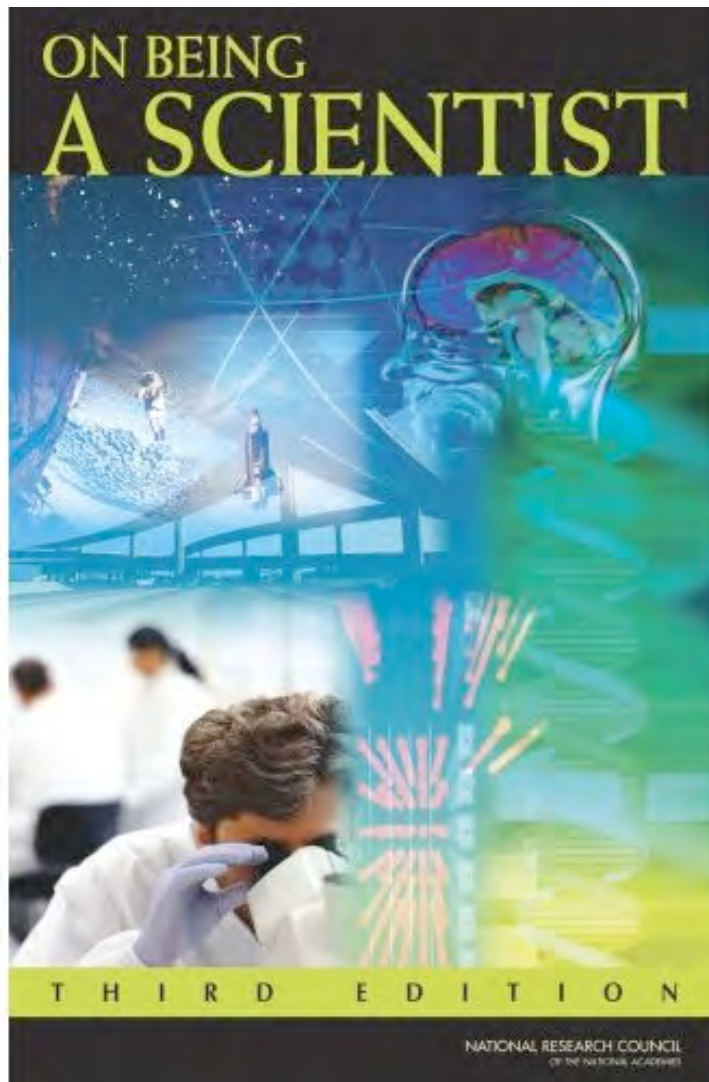
UPV / EHU

**Leire ESCAJEDO SAN-EPIFANIO**  
**University of the Basque Country (Bilbao, Spain)**



# 01. By way of introduction





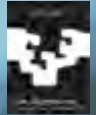
**1<sup>st</sup> - 1988**

**2<sup>nd</sup> - 1995**

**3<sup>rd</sup> - 2009**

**The future of science** requires **taking care of the research space,**  
so that **science keeps feeding on talent and energy.**

*As in previous times in history, **scientific and technological development still depend largely on attracting and holding creative and hard-working people.***



# 02.

From multidisciplinary  
to *trans*disciplinary:  
a fad, a revolution or a  
necessity?





- ① Bachelor of Laws (Univ. Deusto, 1996)
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- ③ Position as Adjunct Professor of Constitutional Law
- ④ PhD in Law (2004). UBQ.
- ⑤ Habilitation and Position as Associate Professor (T.U.). Dept of Constitutional Law



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← 1997-2010. Associate **Researcher** at the Chair in *Law and the Human Genome.*

← .... (\*)

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← *\*\*\*Punctual, first research on Non-Human Biotechnologies (1999).*

← **International Award on Bioethics (2007). Towards a Healthy and Sustainable Use of Technologies.**  
International Society on Bioethics.



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- ← Lecturer at the Master's of **Food Quality and Safety** (2007- .. )
- ← **Executive Committee of EurSAFE** (2010- ....)





## **European Society for Agricultural and Food Ethics**

(independent, multidisciplinary, plural)



**Ethical futures:  
bioscience  
and food horizons**

edited by:  
Kate Miller  
Paul Harrison West  
Angela Nestor



**Global  
food security:**  
ethical and legal challenges

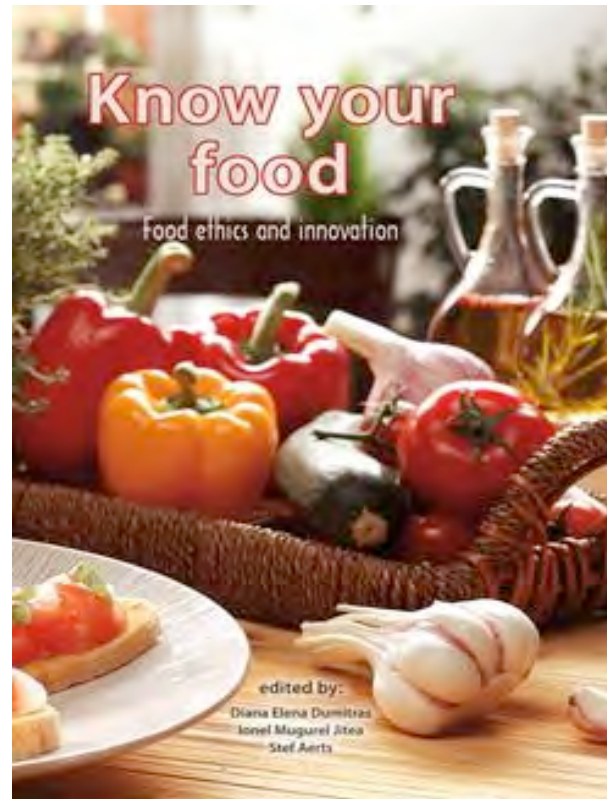
edited by  
Carlos M. Romeo Casabona  
Leire Escajedo San Epifanio  
Aitziber Emeraldi Cirión

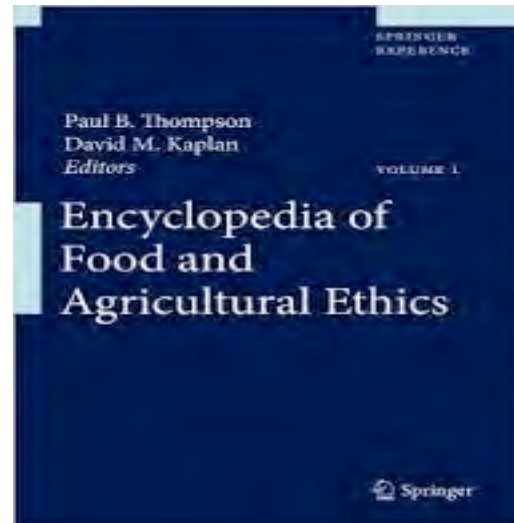


**Climate change  
and  
sustainable development**

Ethical perspectives on land use and food production

edited by:  
Thomas Potthast  
Simon Meisch





J Agric Environ Ethics (2015) 28:435–454  
DOI 10.1007/s10806-015-9543-1

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ARTICLES

**Challenging Food Governance Models: Analyzing the Food Citizen and the Emerging Food Constitutionalism from an EU Perspective**

L. Escajedo San-Epifanio<sup>1</sup>

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⑤ **Habilitation** and Position as Associate Professor (T.U.). 2011.

← Posgraduate Student at the Biotech. Department (2008-2011)

← In charge of the Teaching Unit in Law and Ethics in the Biosciences (2010 - ....)

← PhD in Biological Sciences (2015)





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← **PhD in Biological Sciences (2015)**

# Current research areas

1) **Constitutional Law and Governance.** At the Department of Constitutional Law: research activities within the classic field of knowledge



2) **URBAN ELIKA platform. Cross-disciplinary studies Towards a responsible Food System**

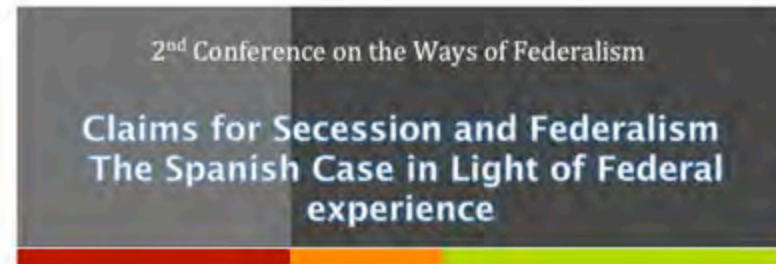
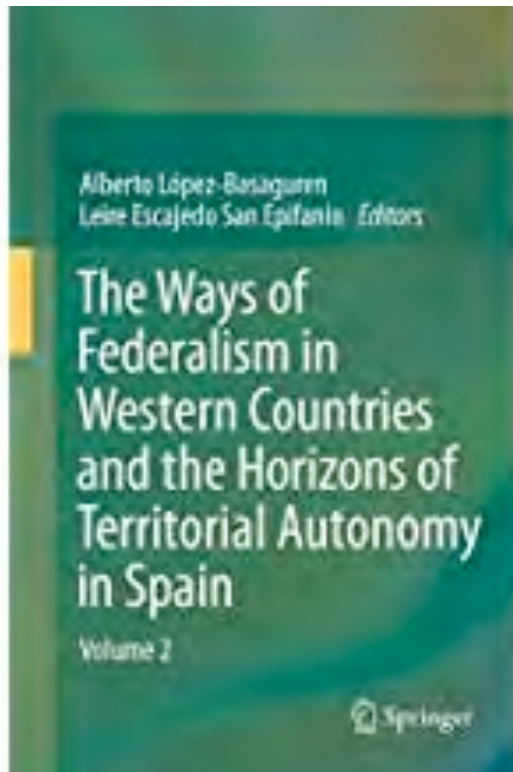
3) **ESLA Scitech platform.** Scientific, Ethical, Social and Legal Aspects of the Advances of Biosciences and Biotechnologies.



4) **Smart Cities and Smart Governance.**

Some recent outcomes

## 1) Constitutional Law and Governance



Organized by:

**Multilevel Constitutionalism Research Group**



MINECO-(cod.: DER2012-37567)



## 2) URBAN ELIKA



# Towards a more responsible food chain (sustainable, healthy, fair)



# Circular economy & value networks



Where does this company sit within the circular economy?



### 3) Esla Scitech

Fundación **BBVA**

LEGEAK 17 LEYES

Genetika eta Biomedikuntzari  
buruzko hainbat lege

Selección de leyes sobre  
Genética y Biomedicina

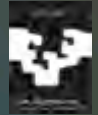


**Becas Leonardo**  
a Investigadores  
y Creadores Culturales

## 4) Smart Cities and Smart Governance







# 03.

On the idea of removing barriers to create a “single space” for knowledge, research and innovation



## Horizon 2020

*Collaboration among disciplines is no longer seen as something of “additional value”*

*Barriers are to be broken down to create a genuine **single market for knowledge, research and innovation***



## **H2020: the 7 Societal Challenges**

The EU has identified 7 priority challenges where targeted investment in research and innovation can have a real impact benefitting the citizen:

- Health, demographic change and wellbeing
- Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, environment, resource efficiency and raw materials
- Europe in a changing world - inclusive, innovative and reflective societies
- Secure societies - protecting freedom and security of Europe and its citizens.



## Responding to broader, challenge-based topics

- **Challenge based approach** generally liked by R&I community
- **The calls are attractive**, with a high demand  
But, therefore, sometimes lower success rates: 8x available budget, 5x under FP7.
  - (However, picture remains diverse)
- **Trans-disciplinarity** is encouraged in Horizon 2020 but how has it worked in practice? In particular:
  - setting up of consortia
  - interpretation by experts during evaluations
- **SSH and Gender:** Description in WP, and coverage in proposals can be enhanced

How does  
challenge-based research look like?



STEM



SSH





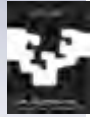
# 04.

So... what is expected  
from a (trans) scientist?







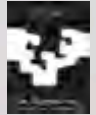
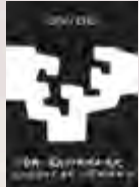


05.

Accepting vertigo,  
without guides



Trust doesn't  
come with a refill.  
Once it's gone,  
you probably won't  
get it back, and  
if you do, it will  
never be the same.  
& that's a fact.



# EVERY JOURNEY

Begins with a single step..

Thank you!



WE LOVE TRANSDISCIPLINARITY MAITE DUGU