

# Scholarly Books and their Evaluation Context in the Social Sciences and Humanities

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## Classification model of Spanish scientific journals in social sciences and humanities

Elías Sanz Casado

Carlos III University of Madrid  
Research Institute for Higher Education and Science, (INAECU-UC3M-UAM)

## What are we going to see?

- Evolution of the publication characteristics of Spanish researchers of Social Sciences and Humanities (CSyH)
- Classification model of Spanish scientific journals in social sciences and humanities

## **Evolution of the publication characteristics of Spanish researchers of Social Sciences and Humanities (SSH)**

The publications in Social Sciences and Humanities (CSyH) present some strong differences in comparison with other areas:

- ❖ **Language: vernacular**
- ❖ **Research scope: Local or national**
- ❖ **Collaboration patterns: Research teams are very small and the institutional collaboration is very weak**
- ❖ **Types of documents: books, chapters of books and journals**

The visibility and impact of SSH research is much lower than in other scientific areas. Great part of its research is not collected in international (or national) databases.

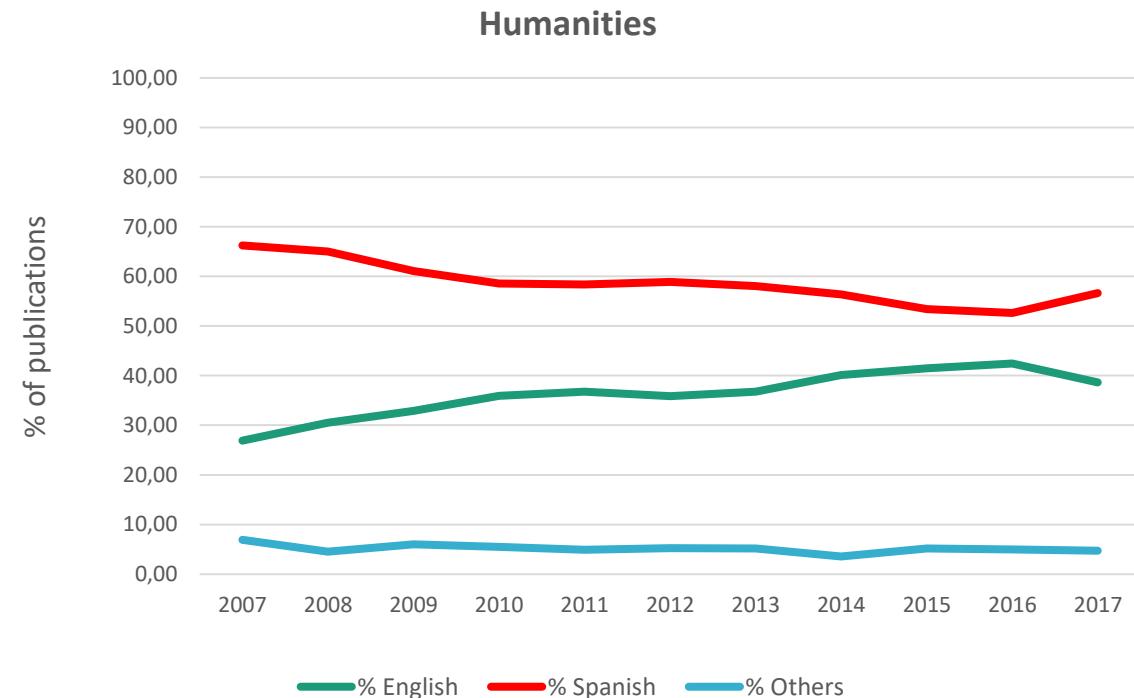
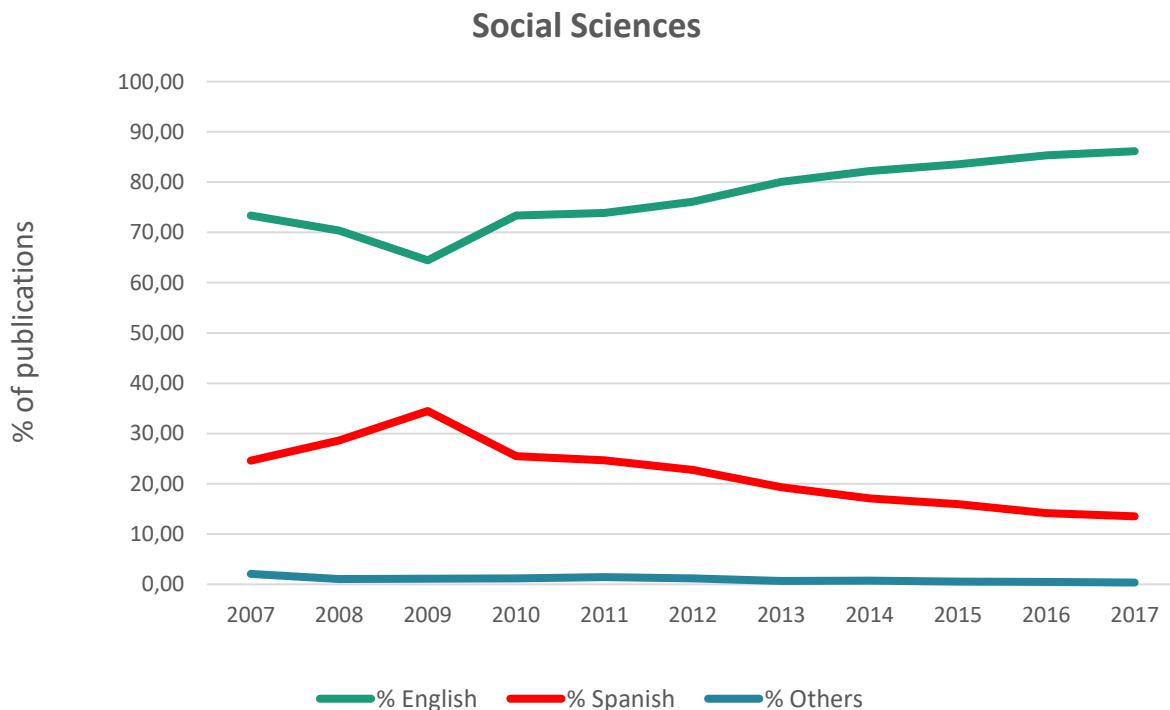
## **How have the research habits in social sciences and humanities changed?**

We have analysed the publications of Spanish researchers working in Social science and humanities in international journals from 2007 to 2017.

The source used: WOS

# Evolution of Spanish publications in Arts & Humanities and Social Sciences

## Language of Spanish publications in Social Sciences and Humanities (WOS 2007-2017)

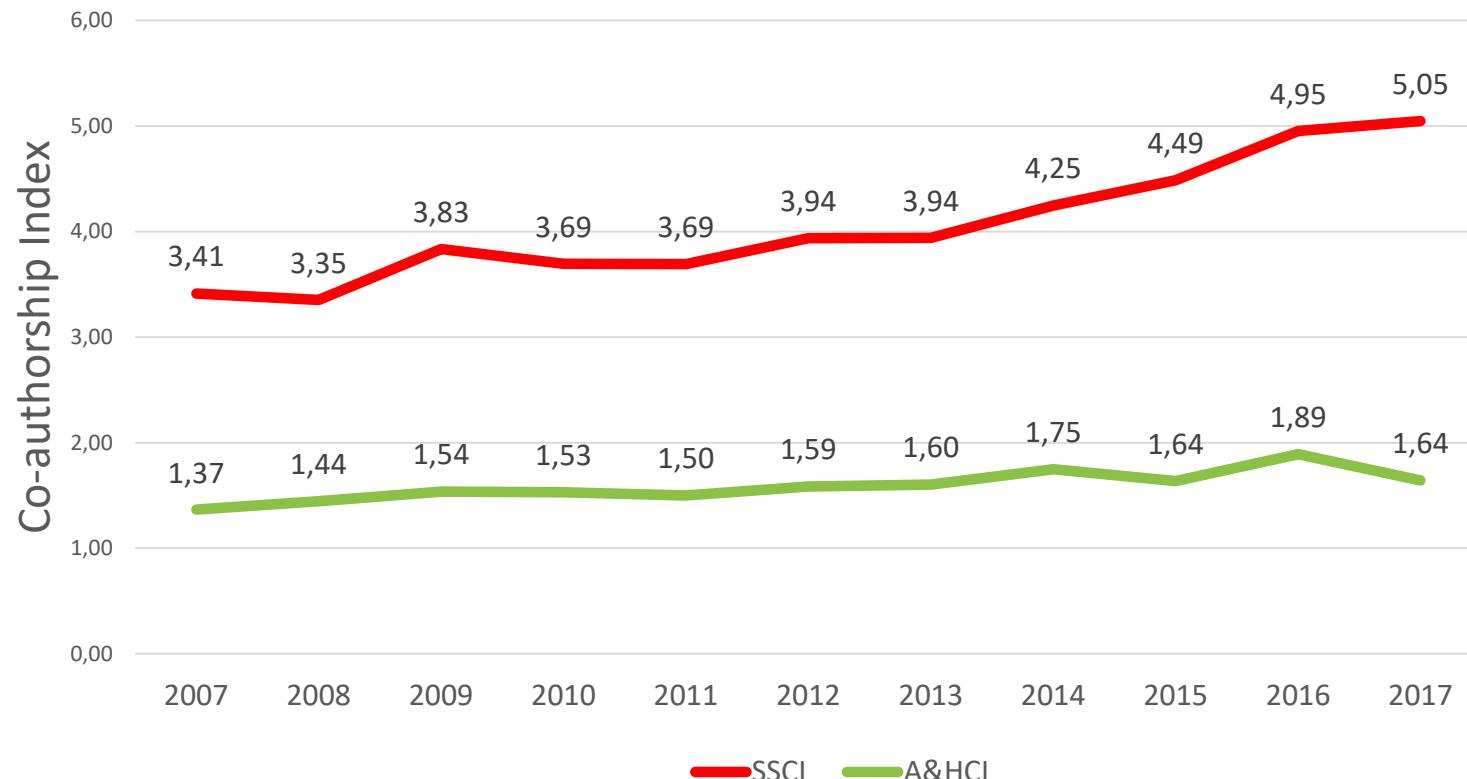


Source, WOS

57% of publications in Humanities and 20% in Social Sciences are in Spanish. The percentages decrease throughout the period, in Social Sciences from 24% to 13% and in Humanities from 66% to 56%.

# Evolution of Spanish publications in Humanities and Social Sciences

Co-authorship index of Spanish publications in Social Sciences and Humanities (2007-2017)

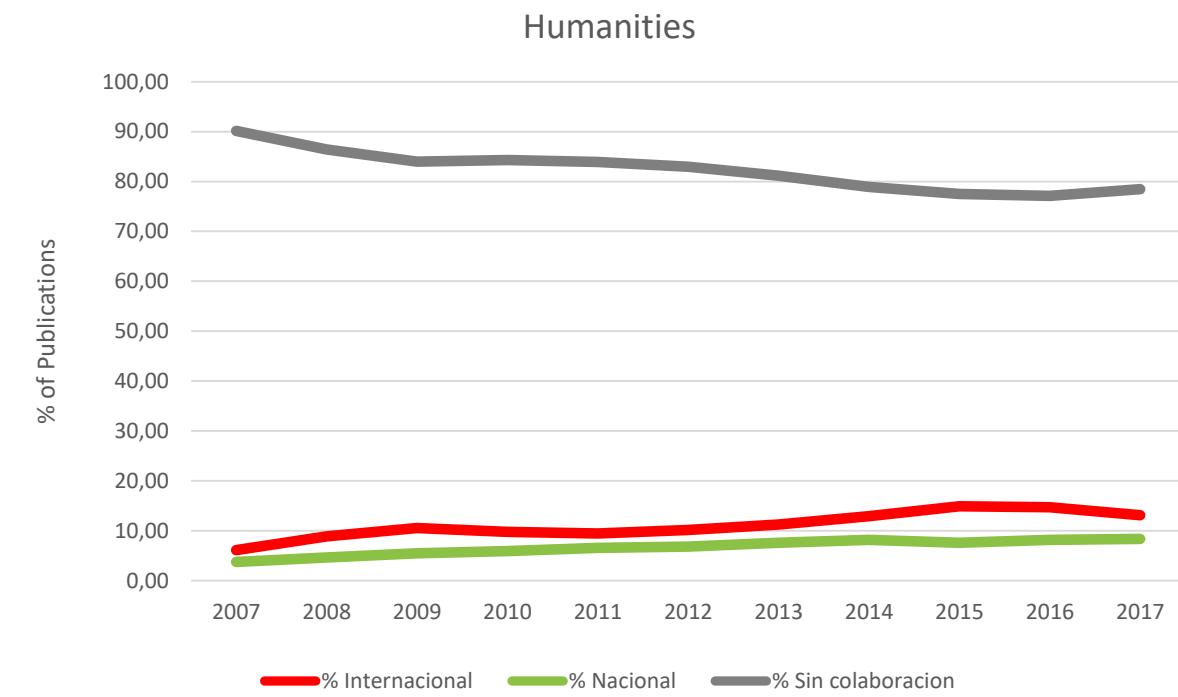
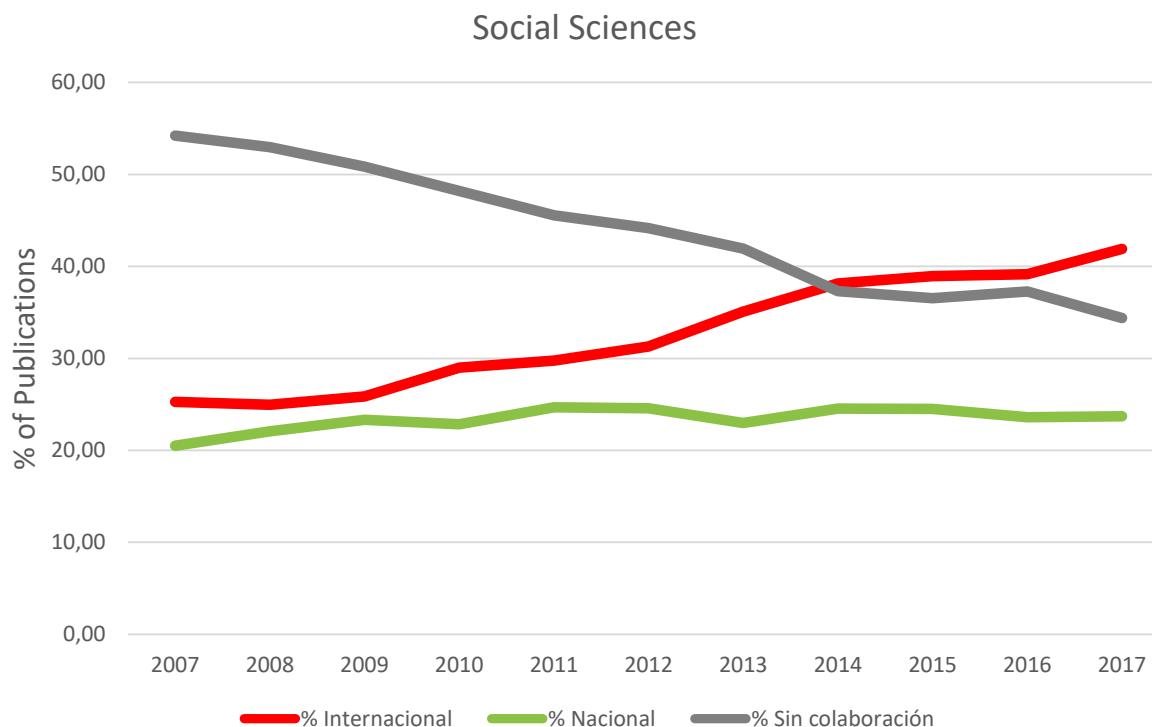


Source, WOS

The co-authorship index in Humanities was **1.59** and in Social Sciences **4.05**. The co-authorship index in both areas increased in all period specially in Social Sciences.

# Evolution of Spanish publications in Humanities and Social Sciences

## Institutional Collaboration in Spanish publications of Social Science and Humanities (2007-2017)

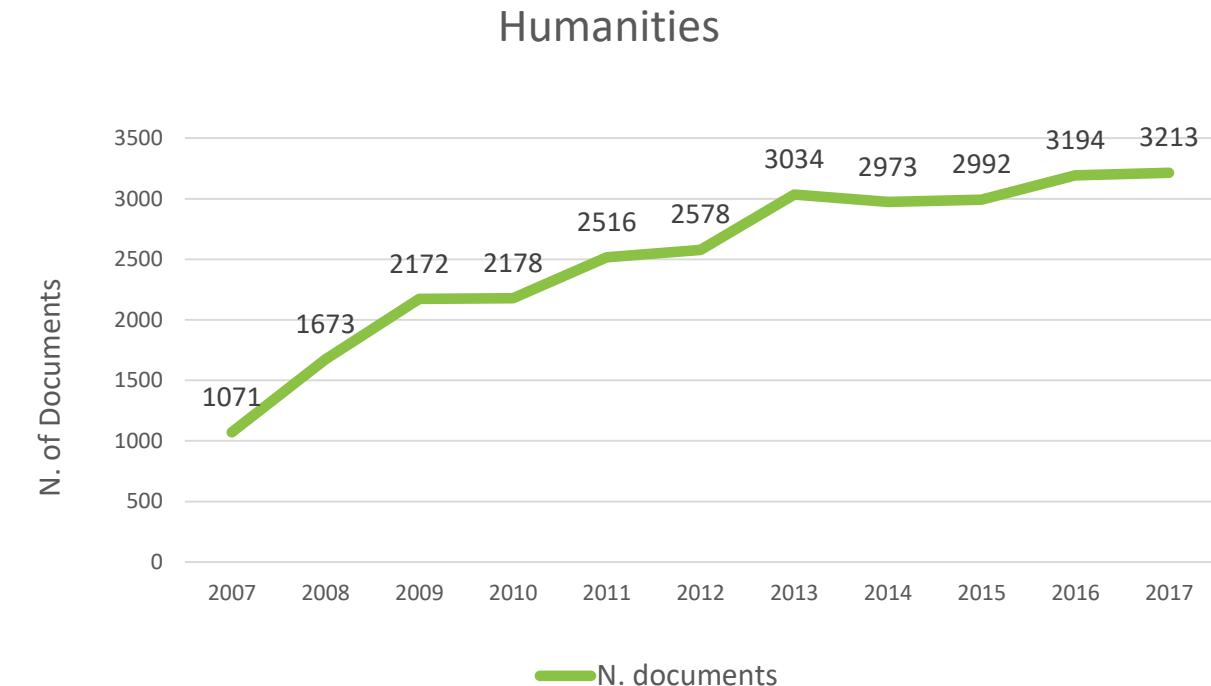
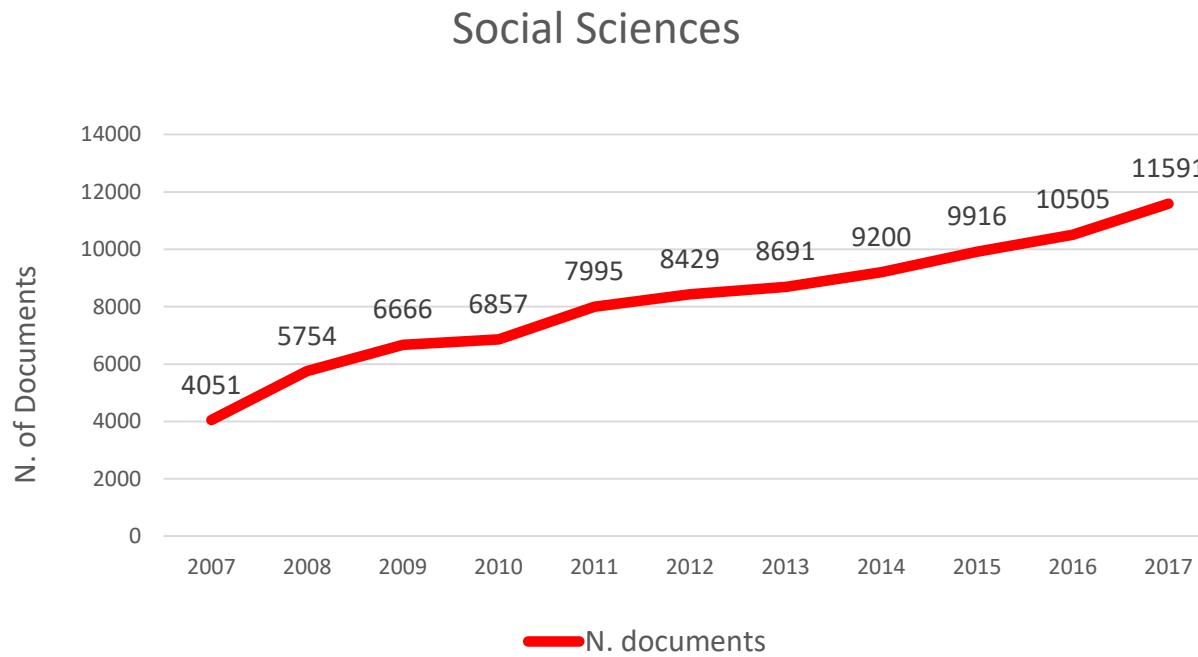


Source, WOS

Papers in **collaboration** increased more than **13%** in **Humanities** and **25%** in **Social Sciences**. The international collaboration increased more than national one.

# Evolution of Spanish publications in Humanities and Social Sciences

## Number of Spanish publications in Social Sciences and Humanities (2007-2017)



Source, WOS

The number of Spanish publications in **Social Sciences** grew **186%** and **200%** in **Humanities**, during the period.

# Classification model of Spanish scientific journals in SCH

**COORDINATION AND FUNDING:** By Spanish Foundation for Science and Technology (FECYT)

**RESEARCHERS:** Daniela De Filippo, Rafael Aleixandre Benavent and Elías Sanz-Casado

**BACKGROUND:** All journals included in the study had overcome the accreditation procedures of FECYT: quantitative criteria (17 indicators) and qualitative criteria (peer review evaluation)

The model was checked in  
298 Spanish journals

Fields
Social Sciences, Political Sciences, and Education
Economic and Business Sciences
Law
History, Geography and Arts
Philosophy, Philology and Linguistics

# Classification model of Spanish scientific journals in SCH

## Why this project?

- The Spanish researchers in Social Science and Humanities publish more and more journal articles
- The Spanish researchers in SSH need to be evaluated with the same criteria than their colleagues from Natural Sciences, when they publish in journals
- The Spanish evaluation agencies need to know the quality of the research/publications of these scientists that they are not publishing in international journals (with impact and visibility indicators)

# Classification Model for Spanish scientific journals in SSH: METHODOLOGY

## DIMENSIONS AND INDICATORS

- **Impact**
  - Citations
  - H-Index
  - Quartiles
- **Visibility**
  - MIAR: Secondary Composite Index Broadcasting (ICDS)  
<http://miar.ub.edu/>

## SOURCES



[Scimago Journal & Country Rank](#)



# Classification Model for Spanish scientific journals in SSH: METHODOLOGY

Dimension I: Impact	
Indicators	weighting
Citations	
WoS (citations)	
Scopus (citations)	
Scielo (citations)	
ESCI (citations)	
Total Weight	60%
H-Index	
WOS (H-index )	
SJR (H-index)	
Google S.Metrics (h5-Index)	
Total Weight	10%
Quartiles	
JCR	Q1=100; Q2=75; Q3=50; Q4=25
SJR	Q1=12; Q2=9; Q3=5; Q4=3
Total Weight	10%
<b>Total weight: IMPACT</b>	<b>80%</b>

Dimension II: Visibility	
Indicator	weighting
MIAR- (ICDS)	20%
<b>TOTAL II</b>	<b>20%</b>

# Classification Model for Spanish scientific journals in SSH: METHODOLOGY

## Calculation of citation indicators

- Collecting the citations of each journal in the databases.
- Sum of all citations of each journal.
- Descending order of journals based on the total number of citations.
- Rescaled citations values of journals based on the maximum weight of the dimension (60%). The most cited journal has 60 points and the other ones are assigned points based on it
- Example: Low (21 journals)

JOURNAL	Citations WOS	Citations SCOPUS	Citations ESCI	Citations SCIELO	TOTAL CITATIONS	RESCALED VALUES (60%)
Revista de Estudios Políticos	58	549	15	7	629	60,00
Revista Española de Derecho Constitucional	69	408	14	10	501	47,79
Teoría y Realidad Constitucional	58	227	20	8	313	29,86
Revista de Administración Pública	86	200	16	2	304	29,00
Revista de Derecho Comunitario Europeo	20	190	5	3	218	20,79
Revista de Derecho Político	11	150	21	3	185	17,65
Revista Española de Ciencia Política (RECP)	22	102	8	7	139	13,26
Historia Constitucional. Revista Electrónica de Historia Constitucional	11	104	9	2	126	12,02
Revista Catalana de Dret Públic	5	97	13	5	120	11,45
Sociología del Trabajo	5	78	16	4	103	9,83
Anuario de Psicología Jurídica	13	64	4	13	94	8,97
Revista de Llengua i Dret	5	77	6	0	88	8,39
Historia. Instituciones. Documentos	6	69	9	1	85	8,11
Anuario de Filosofía del Derecho	0	48	10	1	59	5,63
Derechos y Libertades	3	34	9	2	48	4,58
Cuadernos Electrónicos de Filosofía del derecho	1	30	8	4	43	4,10
Revista Crítica de Derecho Inmobiliario	2	26	10	3	41	3,91
Revista General de Derecho Administrativo	1	27	12	0	40	3,82
Doxa. Cuadernos de Filosofía del Derecho	1	22	4	2	29	2,77
Anuario Español de Derecho Internacional Privado	4	8	6	0	18	1,72
CIRIEC-España. Revista Jurídica de Economía Social y Cooperativa	0	5	5	0	10	0,95

# Classification Model for Spanish scientific journals in SSH: METHODOLOGY

## Calculation of the H-index indicators

- Collecting the H-index of each journal from the databases.
- The total score of each journal is calculated by adding the values of the journal in each of the databases.
- Final scores are calculated rescaling the journal value regarding the total weight of the dimension (10%).

Journal	H-Index WoS	H Index SJR	Google S.Metrics (h5-Index)	TOTAL SCORE	FINAL SCORE (10%)
Revista de Estudios Políticos	2	3	7	12	10,00
Revista de Derecho Comunitario Europeo	0	4	5	9	7,50
Revista Española de Ciencia Política (RECP)	0	1	8	9	7,50
Revista Española de Derecho Constitucional	1	2	5	8	6,67
Teoría y Realidad Constitucional	0	2	6	8	6,67
Revista de Llengua i Dret	0	2	5	7	5,83
Doxa. Cuadernos de Filosofía del Derecho	0	0	7	7	5,83
Historia Constitucional. Revista Electrónica de Historia Constitucional	0	1	5	6	5,00
Revista Catalana de Dret Públic	0	0	6	6	5,00
Revista de Derecho Político	0	1	3	4	3,33
Revista de Administración Pública	0	0	4	4	3,33
Revista General de Derecho Administrativo	0	0	4	4	3,33
Revista Crítica de Derecho Inmobiliario	0	0	4	4	3,33
Cuadernos Electrónicos de Filosofía del derecho	0	0	3	3	2,50
Derechos y Libertades	0	0	3	3	2,50
Anuario de Psicología Jurídica	0	2	0	2	1,67
Anuario Español de Derecho Internacional Privado	0	0	2	2	1,67
Historia. Instituciones. Documentos	0	0	0	0	0,00
Sociología del Trabajo	0	0	0	0	0,00
Anuario de Filosofía del Derecho	0	0	0	0	0,00
CIRIEC-España. Revista Jurídica de Economía Social y Cooperativa	0	0	0	0	0,00

# Classification Model for Spanish scientific journals in SSH: METHODOLOGY

## Calculation of the quartile indicator

- Position of the journals in the quartiles in the 2 databases.
- The value of each quartile was normalized (Q1 = 100, Q2 = 75, Q3 = 50, and Q4 = 25)
- The total score of each journal is the result of the sum of the two partial values.
- Final scores are calculated rescaling the total journal score regarding the total weight of the dimension (10%).

titulo	quartile WoS	Cuartil SJR	TOTAL SCORE	FINAL SCORE (10%)
Revista de Estudios Políticos	Q4 (25)	Q4 (25)	50	10
Revista Española de Derecho Constitucional	Q4 (25)	Q4 (25)	50	10
Revista de Derecho Comunitario Europeo	0	Q3 (50)	50	10
Anuario de Psicología Jurídica	0	Q3 (50)	50	10
Teoría y Realidad Constitucional	0	Q4 (25)	25	5
Revista de Derecho Político	0	Q4 (25)	25	5
Revista Española de Ciencia Política (RECP)	0	Q4 (25)	25	5
Historia Constitucional. Revista Electrónica de Historia Constitucional	0	Q4 (25)	25	5
Revista de Llengua i Dret	0	Q4 (25)	25	5
Revista General de Derecho Administrativo	0	Q4 (25)	25	5
Revista de Administración Pública	0	0	0	0
Revista Catalana de Dret Públic	0	0	0	0
Historia. Instituciones. Documentos	0	0	0	0
Doxa. Cuadernos de Filosofía del Derecho	0	0	0	0
Sociología del Trabajo	0	0	0	0
Cuadernos Electrónicos de Filosofía del derecho	0	0	0	0
Revista Crítica de Derecho Inmobiliario	0	0	0	0
Derechos y Libertades	0	0	0	0
Anuario de Filosofía del Derecho	0	0	0	0
Anuario Español de Derecho Internacional Privado	0	0	0	0
CIRIEC-España. Revista Jurídica de Economía Social y Cooperativa	0	0	0	0

# Classification Model for Spanish scientific journals in SSH: METHODOLOGY

## Calculation of the visibility indicator:

- Collecting MIAR ICDS values for each journal
- Descending order of journals according to the ICDS value of each of them.
- Rescaling of the ICDS values obtained from each of the journals based on the maximum weight of the visibility dimension (20%). The journal with a higher ICDS value is assigned 20 points, and scores of the other ones are calculated with respect to this maximum value.

JOURNAL	MIAR (ICDS)	TOTAL SCORE 20%
Revista de Estudios Políticos	11	20,00
Revista Española de Derecho Constitucional	11	20,00
Revista de Derecho Comunitario Europeo	10	18,18
Revista de Derecho Político	10	18,18
Revista de Llengua i Dret	10	18,18
Revista Catalana de Dret Públic	10	18,18
Historia. Instituciones. Documentos	10	18,18
Anuario de Psicología Jurídica	9,9	18,00
Teoría y Realidad Constitucional	9,8	17,82
Revista Española de Ciencia Política (RECP)	9,7	17,64
Historia Constitucional. Revista Electrónica de Historia Constitucional	9,7	17,64
Doxa. Cuadernos de Filosofía del Derecho	8	14,55
Cuadernos Electrónicos de Filosofía del derecho	7,8	14,18
Revista de Administración Pública	6,5	11,82
Sociología del Trabajo	6,5	11,82
Revista Crítica de Derecho Inmobiliario	6,5	11,82
Anuario de Filosofía del Derecho	6,5	11,82
Derechos y Libertades	6,4	11,64
Revista General de Derecho Administrativo	4,6	8,36
Anuario Español de Derecho Internacional Privado	4,2	7,64
CIRIEC-España. Revista Jurídica de Economía Social y Cooperativa	3,9	7,09

# Classification Model for Spanish scientific journals in SSH: METHODOLOGY

## Calculation of final scores

- The final scores is the result to add the score of each dimension

JOURNAL	TOTAL CITATIONS (60%)	TOTAL H-INDEX (10%)	TOTAL QUARTILE (10%)	TOTAL MIAR-ICDS (20%)	FINAL SCORE	POSITION
Revista de Estudios Políticos	60,00	10,00	10	20,00	100,00	1
Revista Española de Derecho Constitucional	47,79	6,67	10	20,00	84,46	2
Teoría y Realidad Constitucional	29,86	6,67	5	17,82	59,34	3
Revista de Derecho Comunitario Europeo	20,79	7,50	10	18,18	56,48	4
Revista de Derecho Político	17,65	3,33	5	18,18	44,16	5
Revista de Administración Pública	29,00	3,33	0	11,82	44,15	6
Revista Española de Ciencia Política (RECP)	13,26	7,50	5	17,64	43,40	7
Historia Constitucional. Revista Electrónica de Historia Constitucional	12,02	5,00	5	17,64	39,66	8
Anuario de Psicología Jurídica	8,97	1,67	10	18,00	38,63	9
Revista de Llengua i Dret	8,39	5,83	5	18,18	37,41	10
Revista Catalana de Dret Públic	11,45	5,00	0	18,18	34,63	11
Historia. Instituciones. Documentos	8,11	0,00	0	18,18	26,29	12
Doxa. Cuadernos de Filosofía del Derecho	2,77	5,83	0	14,55	23,15	13
Sociología del Trabajo	9,83	0,00	0	11,82	21,64	14
Cuadernos Electrónicos de Filosofía del derecho	4,10	2,50	0	14,18	20,78	15
Revista General de Derecho Administrativo	3,82	3,33	5	8,36	20,51	16
Revista Crítica de Derecho Inmobiliario	3,91	3,33	0	11,82	19,06	17
Derechos y Libertades	4,58	2,50	0	11,64	18,72	18
Anuario de Filosofía del Derecho	5,63	0,00	0	11,82	17,45	19
Anuario Español de Derecho Internacional Privado	1,72	1,67	0	7,64	11,02	20
CIRIEC-España. Revista Jurídica de Economía Social y Cooperativa	0,95	0,00	0	7,09	8,04	17 21

# Classification Model for Spanish scientific journals in SSH: METHODOLOGY

**Field: Law (21 journals)**

Journals were ranked in quartiles with similar number of titles

## Quartile A (25% journals with highest scores)

Journal	SCORE
Revista de Estudios Políticos	100,00
Revista Española de Derecho Constitucional	84,46
Teoría y Realidad Constitucional	59,34
Revista de Derecho Comunitario Europeo	56,48
Revista de Derecho Político	44,16

## Quartile C (25% journals with low mean scores)

Journal	SCORE
Revista Catalana de Dret Públic	34,63
Historia. Instituciones. Documentos	26,29
Doxa. Cuadernos de Filosofía del Derecho	23,15
Sociología del Trabajo	21,64
Cuadernos Electrónicos de Filosofía del derecho	20,78

## Quartile B (25% journals with high mean scores)

Journal	SCORE
Revista de Administración Pública	44,15
Revista Española de Ciencia Política (RECP)	43,40
Historia Constitucional. Revista Electrónica de Historia Constitucional	39,66
Anuario de Psicología Jurídica	38,63
Revista de Llengua i Dret	37,41

## Quartile D (25% of journals with lowest scores)

Journal	SCORE
Revista General de Derecho Administrativo	20,51
Revista Crítica de Derecho Inmobiliario	19,06
Derechos y Libertades	18,72
Anuario de Filosofía del Derecho	17,45
Anuario Español de Derecho Internacional Privado	11,02
CIRIEC-España. Revista Jurídica de Economía Social y Cooperativa	8,04

## SOME CONCLUSIONS

- The publication patterns in Humanities and Social Sciences are changing.
  - The publications in English, the co-authorship Index and the institutional collaboration have increased in the period analyzed.
  - The use of the journals to disseminate knowledge has an important growth in both areas.
  - Great part of the research are published in scientific journals
- The national scientific journals play an important role in the transmission of knowledge in social sciences and humanities. For that reason:
  - These journals must be evaluated and ranked with a rigorous methodology that takes into account a high number of criteria.
  - The classification proposed had a great interest for Spanish evaluation agencies in order to know the visibility and impact of Spanish journals in Humanities and Social Sciences.
  - This methodology uses similar model than JCR and SCOPUS database, for that reason the result can be comparable.

# Thanks for your attention

Elías Sanz-Casado  
[elias@bib.uc3m.es](mailto:elias@bib.uc3m.es)  
[www.inaecu.com](http://www.inaecu.com)



Universidad  
Carlos III de Madrid