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The Norwegian model in practice in a

Swedish university

Evaluation of the scientific publishing of the Faculty of Social Science,
Uppsala University

13th Nordic workshop on Bibliometrics and Research Policy

Leif Eriksson, Uppsala University



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Bibliometric models in research evaluation

- Has mostly been used on a national level
- Citation analysis (Australia, UK, Sweden?)
- Publication channel analysis (Norway, Denmark, Finland?)
- Can the models work on a faculty level?



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Background

Faculty of Social Sciences

- New model for distribution of resources for research
- Increase the significance of quality indicators
- Introduce a measurement on scientific output (e.g. publishing)
- Create incentives for improving research quality



The new model

- 111 milj SKr (2008)=ca 12 milj €
- Post-graduate study (53%)
- Research (47%)
 - Professors wages (21%)

Remaining is divided between:

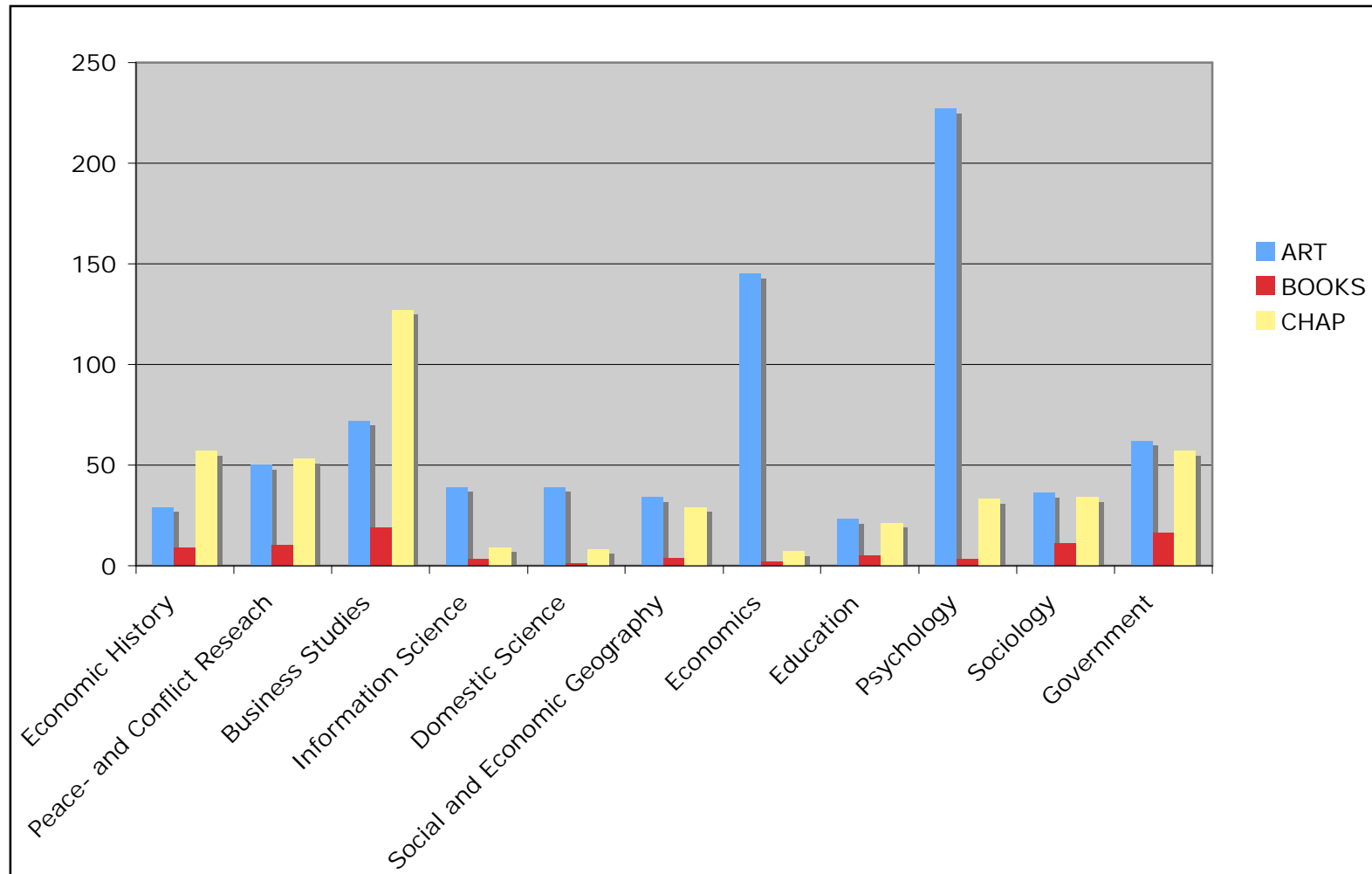
- competence of teaching staff (1/3)
- external funding (1/3)
- publishing (1/3)= ca10% of total budget



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Publishing in the Social Sciences 2002-06

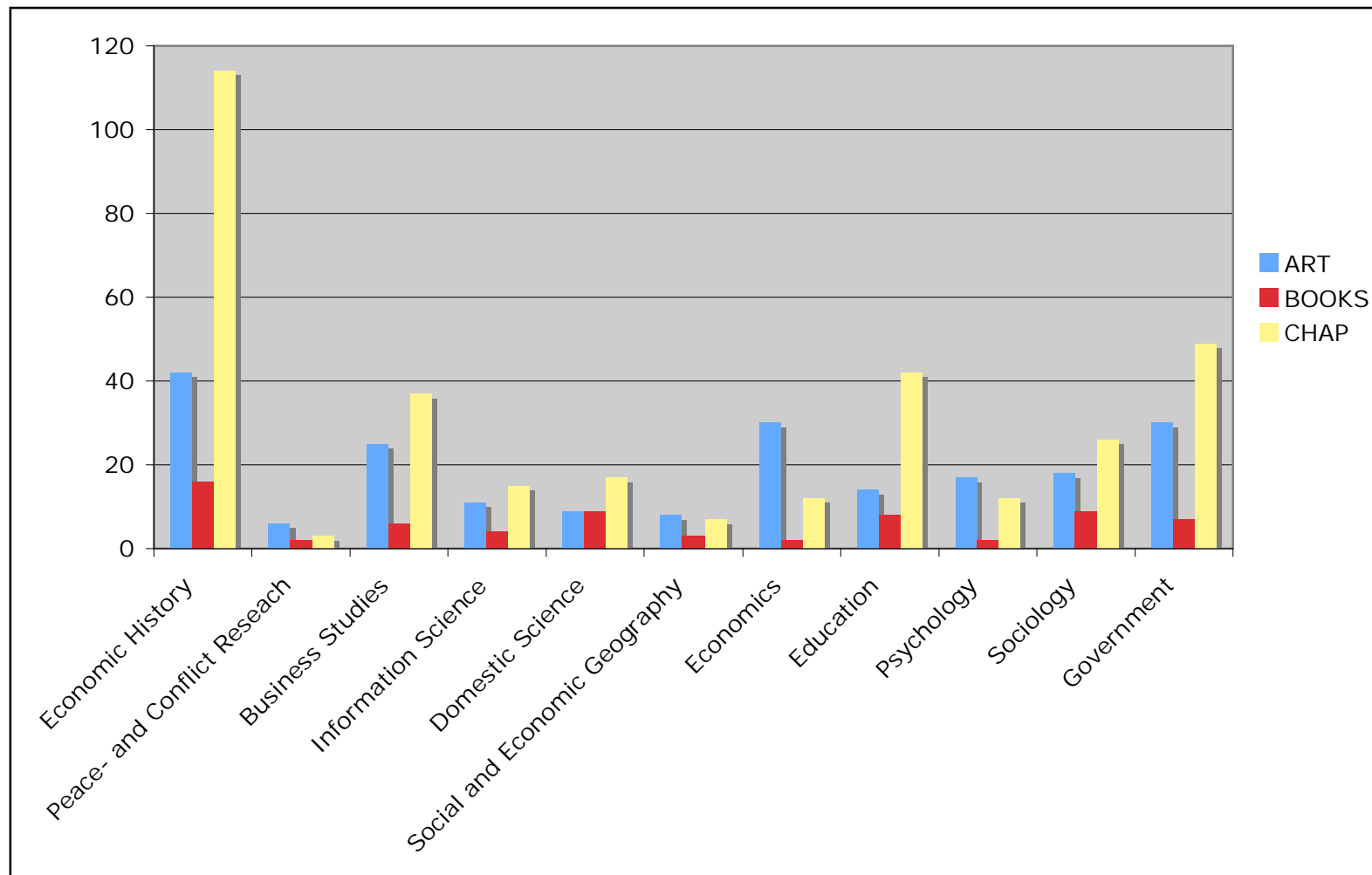
English





Publishing in the Social Sciences 2002-06

Swedish





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Web of Science coverage

Table from the bibliometric study in Quality and Renewal 2007 performed by CWTS, Leiden University

Research unit	Wos papers	Journal papers	Journal coverage	Total papers	Total paper coverage
Uppsala	8502	11403	75%	16436	52%
Arts	61	567	11%	1089	6%
Biology	1265	1383	91%	1528	83%
Chemistry	911	951	96%	1072	85%
Earth sc.	340	433	79%	711	48%
Educational sciences	8	60	13%	174	5%
Engineering	622	679	92%	1223	51%
Languages	23	412	6%	839	3%
Mathematics Comp. sc.	453	595	76%	1161	39%
Medicine	3556	4078	87%	4396	81%
Pharmacy	763	815	94%	872	88%
Physics	1057	1194	89%	1689	63%
Social sciences	380	1083	35%	2476	15%





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Citation analysis 2002-06

Faculty of Social Sciences


Institution	Papers WoS 2002-06	Citations	Crown indicator CPP/FCSm
Economic history	-	-	-
Peace- and conflict res	<20	?	?
Business studies	21	44	1,23
Information science	31	347	2,40 
Domestic science	25	84,7	0,79
Social and econ geog	<20	?	?
Economics	41	75	0,85
Education	<20	?	?
Psychology	149	549	0,99
Sociology	<20	?	?
Government	27	54	1,13
TOTAL	380	1549	1,26

Table from the bibliometric study in Quality and Renewal 2007 performed by CWTS, Leiden University



Publication channel analysis "Norwegian model"

- Includes articles in refereed journals, books and chapter in books from established publishers
- Does not include dissertations, local publishing channels
- Weighting system depending on panel reviews of publication channels (journals, publishing firms)
- Does not include impact from single articles (citations)



Norwegian model

Publication channels on two levels

Level 2 consists of specific publication channels nominated by the national councils in each research field.

These publication channels may not publish more than 20 % of the publications in the field.

Level 2:

20 % of the publications generates higher value

Level 1:

80% of the publications generates normal value



Norwegian model Publications points

Publication form	Level 1	Level 2
Books	5	8
Articles in journals and series	1	3
Chapter in books	0,7	1

Fractionalised count is used; the institutions share of the authors is multiplied with the figure in the table



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Norwegian model Special for Uppsala University

- Publication data is collected from the university publication database (OPUS)
- Registration by the researchers
- An author has to be active at least 30% in one of the faculty's department
- Does not include articles from Swedish journals (unless they have been evaluated by the Norwegian panel)



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Publication points

Social sciences

Institution	Points 2003-06	Level 1 %	Level 2 %	Articles %	Chapter in books %	Books %
Economic history	80,4	77,7	22,3	10,9	34,9	54,2
Peace- and conflict research	62,6	22,3	77,7	47,3	25,6	27,1
Business studies	115,3	84,1	15,9	26,3	23,7	50,0
Information science	21,7	79,3	20,7	68,8	17,8	13,4
Domestic science	25,1	84,7	15,3	59,7	9,7	30,6
Social and econ geography	71,3	22,4	77,6	67,3	18,3	14,4
Economics	195,5	29,1	70,9	91,9	5,4	2,7
Education	30,4	62,9	37,1	43,2	23,5	33,3
Psychology	280,7	33,1	66,9	92,9	7,1	0,0
Sociology	61,4	84,1	15,9	26,3	23,7	50,0
Government	152,3	61,6	38,4	38,1	19,9	42,0



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Shares of resources Social sciences

Shares of resources

Institution	Publ. points	Shares SKr	Shares %
Economic history	80,4	750 139	7,3
Peace- and conflict res	62,6	584 064	5,7
Business studies	115,3	1 075 759	10,5
Information science	21,7	202 463	2,0
Domestic science	25,1	234 135	2,3
Social and econ geog	71,3	665 235	6,5
Economics	195,5	1 824 033	17,8
Education	30,4	283 635	2,8
Psychology	280,7	2 618 956	25,6
Sociology	61,4	572 868	5,6
Government	152,3	1 420 973	13,9
Total	1097	10 232 310	100,0



Who benefits from this model?

- Institutions which publish substantially in international recognized journals or publishing firms
 - Psychology
high output, high share of articles in level 2
 - Economics
high output, high share of articles in level 2
 - Government
high output, high share of books in level 2



The new model Conclusions

- The model is suitable for comparing disciplines with different publishing traditions
- Has clear incentives towards international publishing
- Simple, transparent and easy to communicate
- Introduced in a three-year-period, fully implemented 2011, method evaluation