Contents

Acknowledgments vi								
Lis	t of a	bbrevia	tions			ix		
1.	Introduction							
	1.1	Devel	opment o	of the acade	emic publishing market and			
		the se	rials crisi			1		
	1.2	Сору	Copyright protection in academic publishing					
	1.3							
2.	The	acaden	nic publisl	hing marke	t	10		
	2.1							
		2.1.1 The reward structure in science						
		2.1.2	The org	anization of	of academic publishing	12		
	2.2		academic journal publishing market					
			The supply side					
					ristics of journal publishers	16		
			2.2.1.2		ristics of different research			
				fields		21		
		2.2.2	The der	nand side: j	ournal prices and the serials			
			crisis			23		
	2.3	The open access movement						
		2.3.1	Open access publishing: an overview			29		
			2.3.1.1	The gold	road	29		
			2.3.1.2	The green	road	39		
		2.3.2 Recent developments				44		
					levelopment	44		
			2.3.2.2	Policy development		48		
				2.3.2.2.1	-			
					parliaments and governments			
					and by the European			
					Commission	48		
				2.3.2.2.2	Support by research funders	52		
				2.3.2.2.3	Support by universities and			
					research institutes	53		
	2.4	Prelin	ninary res	ults		55		

3.	An i	nternational survey analysis	57			
	3.1 Research setting					
		3.1.1 Research questions	57			
		3.1.2 Conducting the survey	58			
	3.2	Descriptive statistics	59			
		3.2.1 A general overview	59			
		3.2.2 By research field	62			
		3.2.2.1 The gold road	62			
		3.2.2.2 The green road	64			
		3.2.2.3 Conclusions	65			
		3.2.3 By country	67			
		3.2.3.1 The gold road	67			
		3.2.3.2 The green road	70			
		3.2.3.3 Conclusions	71			
	3.3	Empirical analysis	72			
		3.3.1 Method	72			
		3.3.2 The gold road	73			
		3.3.3 The green road	88			
	3.4	General conclusions	96			
4.	Poli	cy implications and the way forward	97			
	4.1	Alternative policy instruments	97			
	4.2	The financial viability of a large-scale transition to				
		gold OA	98			
	4.3	Limits to OA	102			
		4.3.1 Limits to gold OA	102			
		4.3.2 Limits to green OA	107			
	4.4	Fundamental requirements for an efficient transition				
		to OA	107			
		4.4.1 Proper incentives for academic publishers	108			
		4.4.2 Quality assurance	109			
		4.4.3 Proper assessment of scholars	112			
		4.4.4 Guarantee of academic freedom	114			
	4.5	Conclusions	115			
5.	Sun	nmary and outlook	117			
Ар	pendi	x 1 The academic journal market	123			
	The data					
	Jou	Journals in different fields of research				

Appendix 2 Open access journals	128
The DOAJ data	128
OA journals in different fields of research	130
Appendix 3 An international survey analysis	131
Descriptive statistics	131
Empirical results	133
Appendix 4 The questionnaire	137
Part A: Personal questions	137
Part B1: Gold road of OA (i.e. OA journals)	139
Part B2: Rating of OA journals	140
Part C1: The green road (OA repositories)	141
Part C2: Rating of OA repositories	143
References	144
Index	153

Contents

vii