Wage-setting Institutions and Outcomes 2004 OECD Employment Outlook Chapter 3

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Overview of presentation

Wage-setting institutions:

- Updating the OECD indicators of union density and bargaining coverage.
- Updating the OECD indicators of the concentration and coordination of wage bargaining.
- Other dimensions and developments (governability, optout clauses, social compacts).

Implications for economic performance:

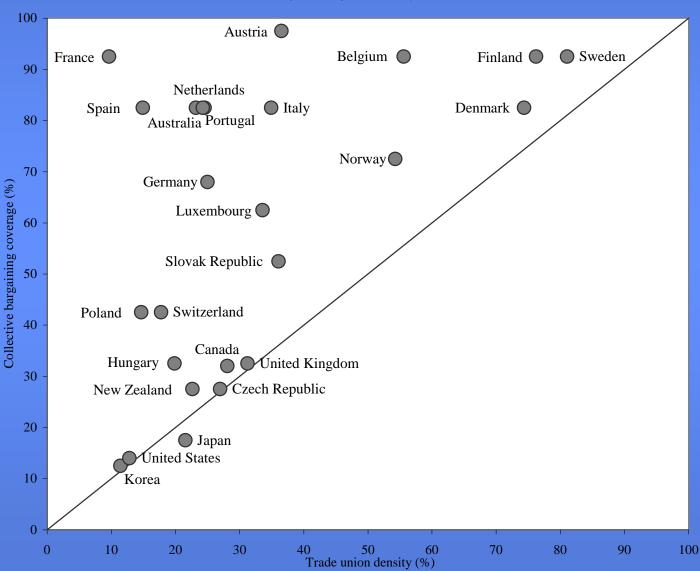
- Is there a robust link between the CB indicators and labour market performance?
- Broader survey of wage outcomes and their association with employment performance.
- 2006 reassessment of the OECD Jobs Strategy will revisit these issues.

Trade union density and collective bargaining coverage in OECD countries, 1990-2000

	Tra	Collecti	ve bargain	ing covera	ge (CBC)			
	19	90	200)0	19	90	2000	
	%	Ranking	%	Ranking	%	Ranking	%	Ranking
Australia	40	8	25	10	80+	4	80+	5
Austria	47	6	37	5	95+	1	95+	1
Canada	33	11	28	8	38	13	32	14
Denmark	75	2	74	3	70+	8	80+	5
Finland	72	3	76	2	90+	2	90+	2
France	10	19	10	19	90+	2	90+	2
Germany	31	13	25	9	80+	4	68	11
Hungary	63	4	20	14			30+	12
Ireland	51	5	38	4				
Italy	39	10	35	6	80+	4	80+	5
Japan	25	15	22	13	20+	14	15+	15
Korea	17	16	11	18	20+	14	10+	17
Mexico	43	7	18	15				
Netherlands	25	14	23	12	70+	8	80+	5
Portugal	32	12	24	11	70+	8	80+	5
Spain	11	18	15	16	70+	8	80+	5
Sweden	80	1	79	1	80+	4	90+	2
United Kingdom	39	9	31	7	40+	12	30+	12
United States	15	17	13	17	18	16	14	16
OECD unweighted average	40	-	32	-	66	-	60	-
Coefficient of variation	54	-	68	-	38	-	48	-
OECD weighted average	26	-	20	-	40	-	36	-

Union density and coverage, 2000

Percentage of wage and salary earners



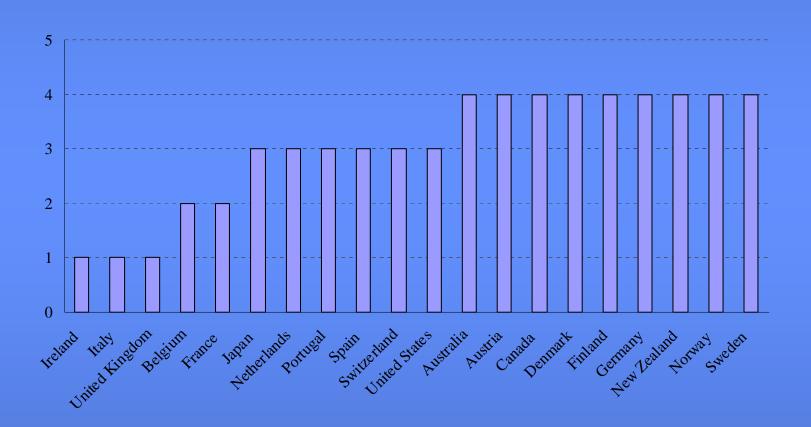
Wage-setting institutions in OECD countries, 1970-2000

		Centralisatio	n	(Co-ordinatio	nn
		Cittalisatic			20-01umatic	
	1970-74	1980-84	1995-2000	1970-74	1980-84	1995-2000
Australia	4	4	2	4	(4.5)	2
Austria	3	3	3	5	(4.5)	4
Belgium	4	3	3	4	(4)	(4.5)
Canada	1	1	1	1	1	1
Denmark	5	3	2	5	3	(4)
Finland	5	(4)	5	5	(4)	5
France	2	2	2	2	2	2
Germany	3	3	3	4	4	4
Hungary			1			1
Ireland	4	1	4	4	1	4
Italy	2	(3.5)	2	2	(3.5)	4
Japan	1	1	1	4	4	4
Korea	1	1	1	1	1	1
Netherlands	3	3	3	3	(4.5)	4
New Zealand	3	3	1	4	4	1
Norway	(4.5)	(3.5)	(4.5)	(4.5)	(3.5)	(4.5)
Portugal	5	3	4	5	3	4
Spain	5	4	3	5	4	3
Sweden	5	(4.5)	3	4	(3.5)	3
United Kingdom	2	1	1	(3)	1	1
United States	1	1	1	1	1	1

Degree of collective bargaining centralisation in the 1970's and 1990's

			Predominant bargaining level in the 90's								
			Relatively centralized		zed	Intermediate	Relatively decen	tralized			
			(5)		(4)	(3)	(2)	(1)			
		(5)	Finland			Sweden	Denmark				
70	Relatively			Norway	Portugal	Spain					
- 70's	centralized	(4)			Ireland		Australia				
in the						Belgium					
Predominant bargaining level in the 70's	Intermediate	(3)				Austria Germany Netherlands	Switzerland	New Zealand			
domina		(2)					France Italy	United Kingdom			
Pre	Relatively decentralized	(1)						Canada Japan Korea United States			

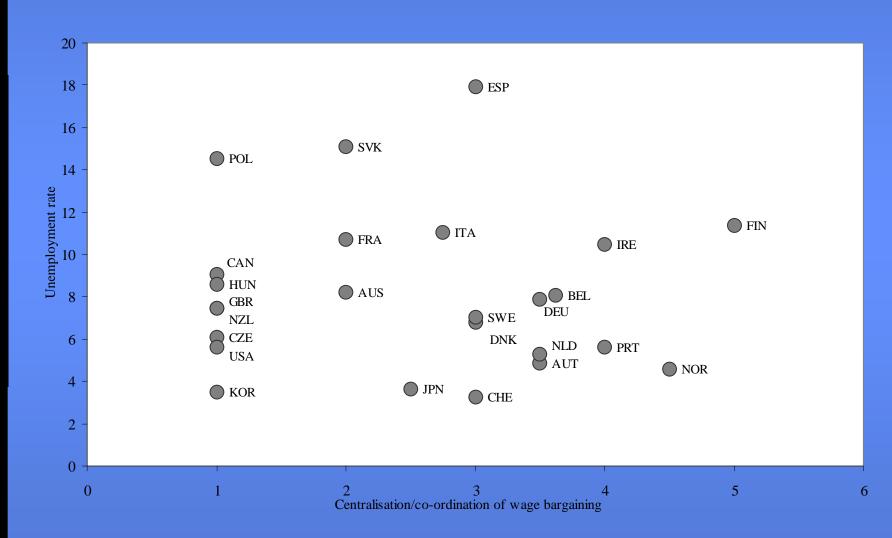
Bargaining governability in OECD countries, 2000



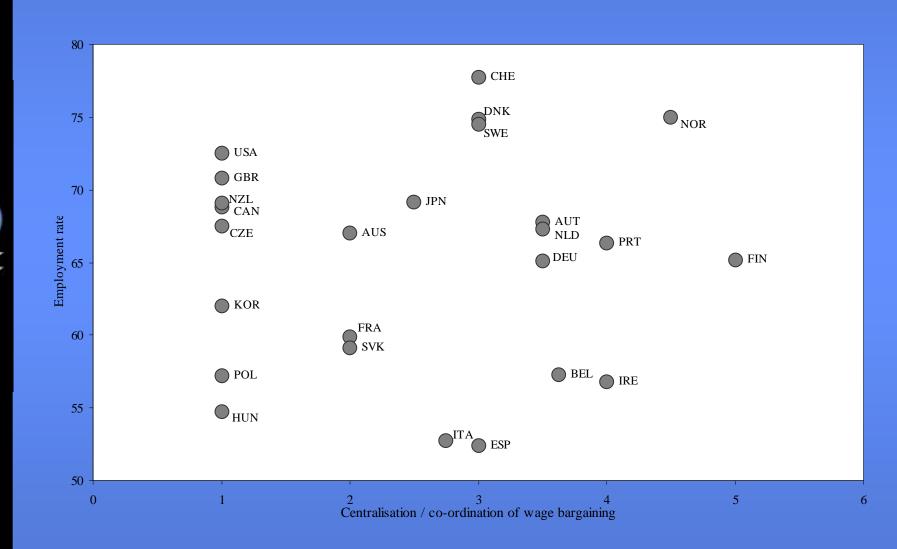
Wage and nonwage outcomes

- Wage-setting institutions and outcomes:
 - Bivariate associations between the CB indicators and labour market outcomes
 - Simple regression analysis
- Broader review of wage outcomes and their implications for employment performance:
 - A trend towards aggregate wage restraint?
 - What's happened to wage dispersion?
 - Have differences in how wages developed mattered for employment performance?
- 2006 Jobs Strategy Reassessment will revisit these issues and their implications for policy.

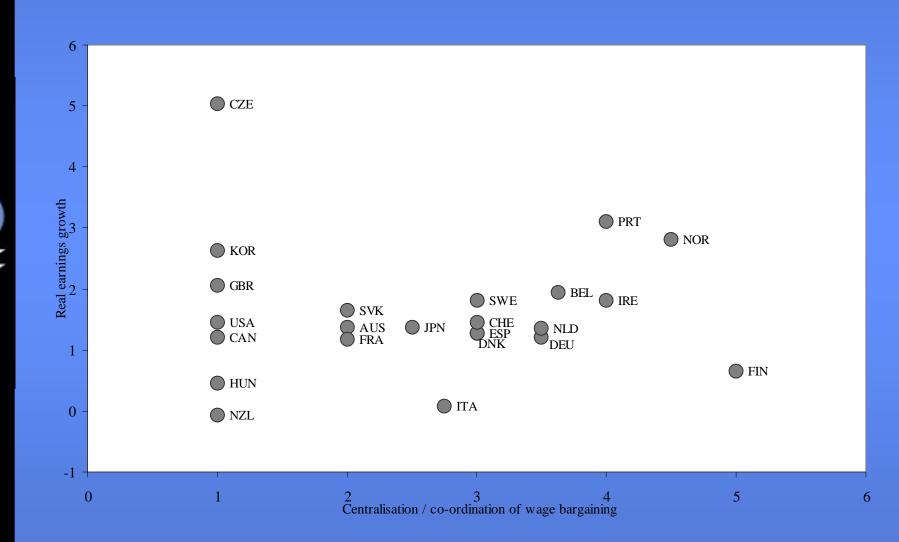
Centralisation/co-ordination (CC) of wage bargaining has not been a good predictor of unemployment (1990-2002)



...nor of the employment-population ratio... (1990-2002)



...nor of real wage growth (1990-2002)



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Descriptive regressions relating characteristics of the collective bargaining system to wage outcomes (1970-2000, panel regressions without controls)

	Real hourly earnings growth	Efficiency wage growth	Wage share	Earnings inequality	Relative earnings of youths	Relative earnings of older workers	Relative earnings of women
Trade union density	0.0011	-0.0099	-0.0006	-0.0096 **	0.0027 ***	-0.0001	0.0013 *
Trade union density	(0.0097)	(0.0091)	(0.0004)	(0.0041)	(0.0004)	(0.0008)	(0.0006)
Centralisation	-0.0376	-0.0831	-0.0023	-0.2040 ***	-0.0058	0.0228 *	0.0092
/co-ordination	(0.1619)	(0.1560)	(0.0059)	(0.0644)	(0.0067)	(0.0125)	(0.0101)
Period dummies	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Country dummies	No	No	No	No	No	No	No
Number of observations	112	97	121	70	44	42	46
R-squared	0.37	0.25	0.21	0.40	0.62	0.40	0.43
F-Statistic	8.71 ***	4.20 ***	4.41 ***	5.89 ***	8.49 ***	3.28 ***	4.03 ***

Descriptive regressions relating characteristics of the collective bargaining system to non-wage outcomes (1970-2000, panel regressions without controls)

	Unamploy	Unemploy Employment rate		Growth in real	Relative	Relative	Relative
	-ment rate			GDP per hour	employment of	employment of	employment of
	-ment rate		(GDP deflator)	worked	youths	older workers	women
Trada union density	-0.0195	0.1583 ***	0.0527 ***	-0.0046	0.0019 ***	-0.0001	0.0042 ***
Trade union density	(0.0206)	(0.0412)	(0.0198)	(0.0073)	(0.0007)	(0.0008)	(0.0007)
Centralisation/co-ordination	0.0529	-0.6771	-0.9492 ***	-0.0017	-0.0125	-0.0073	-0.0149
	(0.3382)	(0.6767)	(0.3231)	(0.1214)	(0.0118)	(0.0125)	(0.0117)
Period dummies	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Country dummies	No	No	No	No	No	No	No
Number of observations	105	105	125	114	105	105	105
R-squared	0.20	0.15	0.44	0.14	0.11	0.16	0.48
F-Statistic	3.51	2.46 **	12.89 ***	2.52 **	1.68	2.62 **	12.93 ***

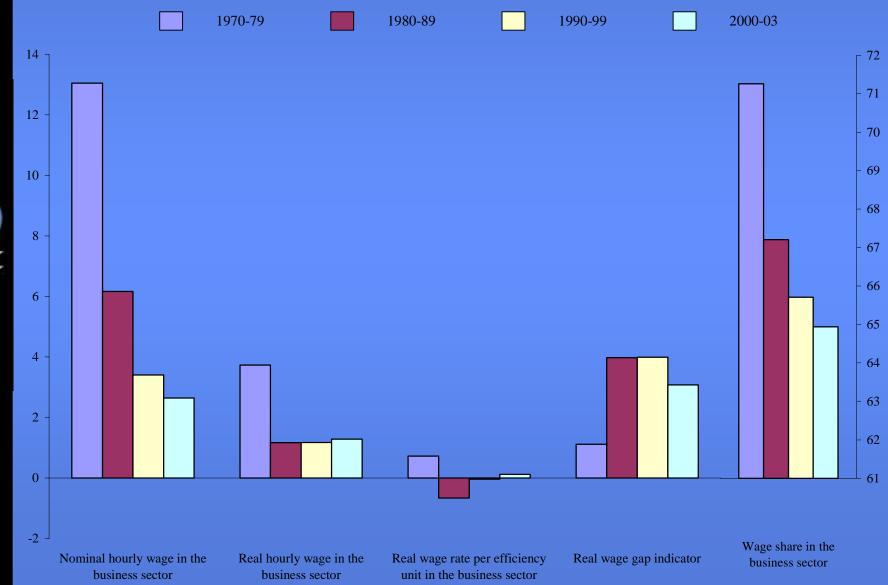
Collective bargaining and the relative employment of youths, older persons of working age, women and the low skilled

(1985-2000, panel regressions with controls)

	Random effects, GLS								
	Relative employment of Relative employment of lyouths older workers		Relative employment of women		Relative employment of low-skilled workers				
Union density	0.004 ***	0.001	0.001	0.001	0.004 ***	0.001	0.001	0.001	
Bargaining coverage	-0.002 *	0.001	-0.003 ***	0.001	0.002 ***	0.001	0.002 ***	0.001	
Centralisation / co-ordination index	-0.063 ***	0.016	0.008	0.011	-0.025 ***	0.008	-0.027	0.017	
F-test	99.7 ***		85.8 ***		195.7 ***		65.4 ***		
B-P LM test	683.0 ***		364.8 ***		178.9 ***		532.2 ***		
Hausman test	2652.0 ***		13.3		9.3		25.1 ***		
Simulated effect of a 1-standard deviation increase in the 3 collective bargaining variables	-0.043		-0.055		0.118		0.027		
No. of observations	276		184		135		211		
No. of countries	19		18		15		19		
No. Of control variables	7		7		10		7		

Recent trends in aggregate earnings suggest considerable wage restraint

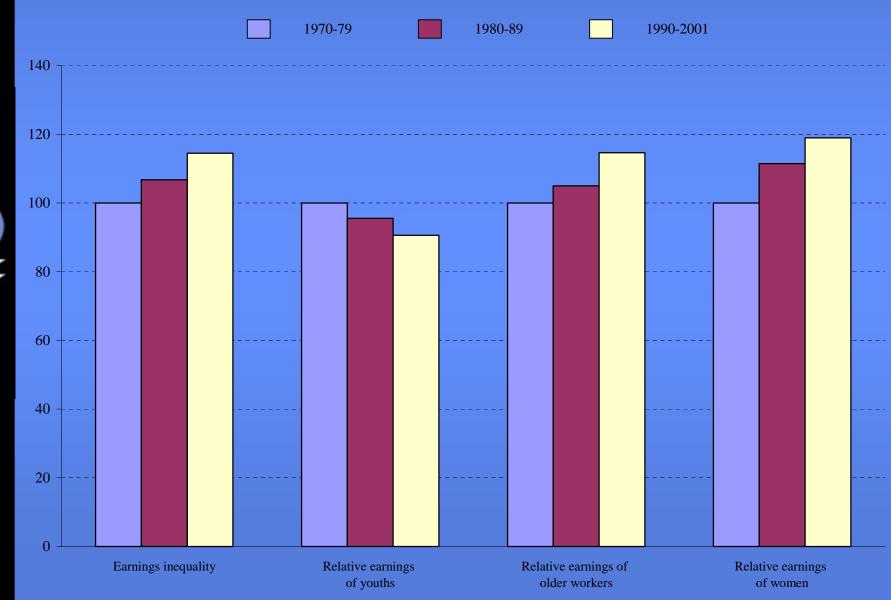
Employment-weighted averages for selected OECD countries, 1970-2003



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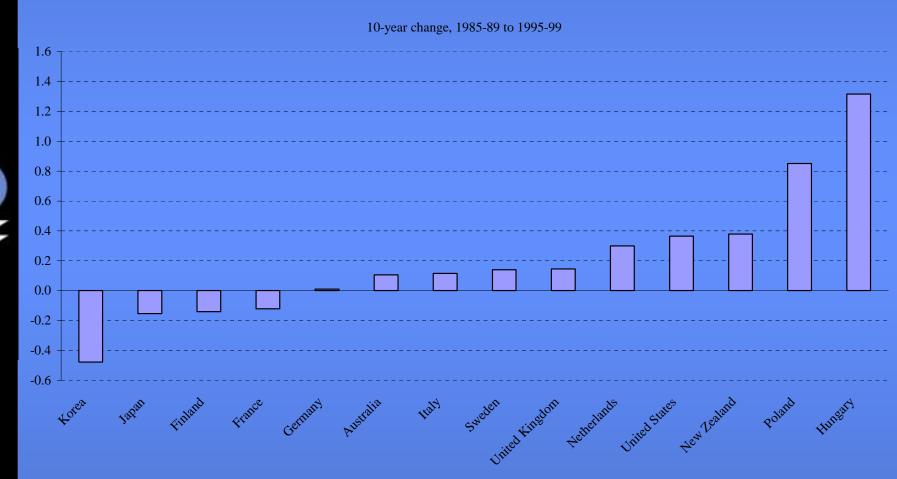
An overall trend toward rising dispersion, but also gains for women

Employment-weighted averages for selected OECD countries, 1970-79=100



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10-year changes in earnings inequality

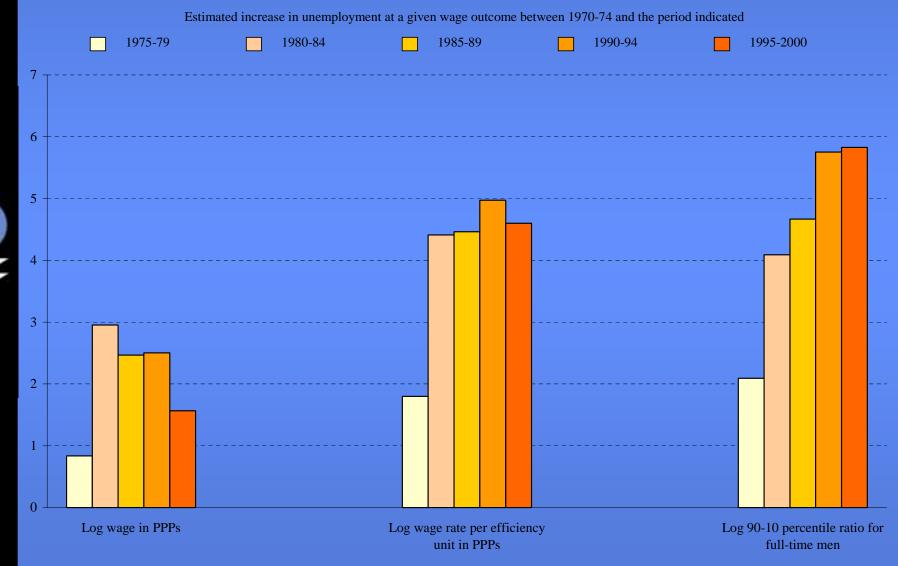


Correlations between wage and employment measures suggest possible trade-offs

Five-year-averaged data for 1970-2000 in selected OECD countries, after removing period and country effects

	Employment measures								
	Aggr	egate	Relative employment rates						
Wage measures:	Unemployment Employment-population ratio		Young men (under 25 years)	Older men (55-64 years)	Prime-age women (25-54 years)				
Log real hourly wage in the business sector (PPPs)	0.20 *	-0.42 ***	-0.48 ***	-0.03	-0.23 **				
Log efficiency wage in the business sector (PPPs)	0.12	-0.17	-0.12	-0.01	-0.60 ***				
Earnings dispersion	-0.44 ***	0.45 ***	0.57 ***	0.44 ***	0.25 *				

Shifts in the apparent "trade-off" between wages and unemployment, 1970-2000



Summary and conclusions

Wage-setting institutions are evolving:

- Union density and bargaining concentration have declined quite strongly, while bargaining coverage and coordination have been more stable.
- Much (rising?) diversity across OECD countries.

Implications for economic performance:

- The impact of bargaining structure on outcomes appears to be contingent on other factors...
- except that strong unions and centralised/coordinated bargaining reduce wage inequality.
- Recent trends towards greater wage restraint and rising wage dispersion...
- yet strong evidence that employment performance benefited is still lacking.