

CONTENTS

Communication from the Commission	1
Part I: Assessing the first 10 years	15
Summary of main findings	17
1. Introduction	25
2. Macroeconomic performance	27
2.1. Introduction	27
2.2. Inflation performance	27
2.3. Growth, jobs and productivity	31
2.4. Resilience in the face of shocks	37
2.5. The euro exchange rate	41
3. Business cycle synchronisation	43
3.1. Introduction	43
3.2. Measuring business cycle synchronisation	43
3.3. Recent correlation developments and stylised business cycle facts	46
3.4. Has the common currency spurred synchronisation in the euro area?	49
3.5. Concluding Remarks	51
4. The adjustment experience	52
4.1. Introduction	52
4.2. Stylised developments	53
4.3. The core mechanisms at work	55
4.4. Gauging the competitiveness channel	55
4.5. Gauging the real interest rate channel	61
4.6. Concluding remarks	62
5. Macroeconomic policies and the policy mix	64
5.1. Introduction	64
5.2. The conduct of monetary policy	65
5.3. The conduct of fiscal policies	69
5.4. The macroeconomic policy mix	76
6. Reforms of social systems and labour and product markets	78
6.1. Introduction	78
6.2. Labour market reform	78
6.3. Ageing-related reform	82
6.4. Product market reform	85
6.5. The determinants of structural reform in EMU	88
7. Financial market integration	94
7.1. Introduction	94
7.2. Some measurement caveats	94
7.3. The Impact of EMU on financial markets	94
7.4. The impact of EMU ON financial-market infrastructures	97
7.5. The Impact of EMU on the banking sector	99
7.6. Promoting further financial integration in EMU	101
8. Catching-up within the euro area	106
8.1. Introduction	106
8.2. The Stylised facts of convergence	106
8.3. Growth accounting evidence	108
8.4. The risk premium shock	109
8.5. The role of public finances	110
8.6. A closer look at Spain and Portugal	112

8.7.	Concluding remarks	115
9.	Trends in the international role of the euro	117
9.1.	Introduction	117
9.2.	Trends in the international use of the euro by function	117
9.3.	Regional patterns	124
9.4.	Concluding remarks	131
10.	The evolution of economic governance	133
10.1.	Introduction	133
10.2.	Fiscal governance	133
10.3.	Governance of structural policy	138
10.4.	International Governance	141
10.5.	High-quality statistics for EMU	146
Part II:	Goals and challenges	149
	Summary of main findings	151
1.	Introduction	157
2.	A changing world landscape	159
2.1.	Introduction	159
2.2.	Longer-term global trends	159
2.3.	Economic implications	161
2.4.	Emerging policy issues	165
3.	Promoting growth and employment	167
3.1.	Introduction	167
3.2.	Long-term projections	167
3.3.	Raising employment rates	168
3.4.	Raising productivity growth	171
3.5.	Concluding remarks	176
4.	Ensuring efficient adjustment and stabilisation	178
4.1.	Introduction	178
4.2.	A changing typology of shocks	178
4.3.	The role of product and labour markets	180
4.4.	The role of financial markets	184
4.5.	The role of fiscal policy	194
5.	Quality and sustainability of public finances	195
5.1.	Introduction	195
5.2.	Fiscal sustainability	195
5.3.	The quality of public finances	198
5.4.	Overall Assessment	202
6.	Enlarging the euro area	203
6.1.	Introduction	203
6.2.	The path towards euro adoption	203
6.3.	Progress with real convergence	204
6.4.	Benefits from euro adoption	208
6.5.	Challenges during the transition	210
6.6.	Implications of enlargement for the euro area	215
6.7.	Concluding remarks	216
7.	Managing the euro-area's growing international role	218
7.1.	Introduction	218
7.2.	The euro's international potential	218
7.3.	Benefits and costs of an international currency	221
7.4.	The euro area and global stability	225

7.5.	Concluding remarks	231
8.	Exploiting policy synergies and the benefits from coordination	233
8.1.	Introduction	233
8.2.	Policy synergies and trade-offs	234
8.3.	Issues of policy coordination	236
8.4.	Concluding remarks	242
Part III:	Policies and governance of the euro area	243
	Summary of main findings	245
1.	Introduction	250
2.	Domestic agenda	251
2.1.	Rationales	251
2.2.	Deepening budgetary surveillance	252
2.3.	Broadening macroeconomic surveillance	256
2.4.	Integrating structural reforms in EMU coordination framework	263
A.1.	Monitoring intra-area competitiveness	276
3.	Enhancing the global role of the euro area	279
3.1.	Introduction	279
3.2.	New global challenges and responsibilities	279
3.3.	Why consolidate external representation?	281
3.4.	Strengthening bilateral dialogues with strategic partners	283
3.5.	Concluding remarks	283
4.	More effective governance	285
4.1.	Introduction	285
4.2.	Improving economic governance in EMU	286
4.3.	Stronger coordination and dialogue for better governance and greater legitimacy	290
4.4.	Changes in the future system of economic governance in the euro area	291
	References	294

LIST OF TABLES

I.1.	Macroeconomic performance indicators	19
I.2.1.	Inflation performance in the euro area	28
I.2.2.	Inflation performance by decade: UK, SE and US	29
I.2.3.	Two indicators of the severity of downturns (1)	37
I.2.4.	Volatility of quarterly nominal effective exchange rates against 24 industrial countries	42
I.3.1.	Mean euro-area business cycle correlation in recoveries and recessions	48
I.3.2.	Mean intra-euro-area correlation in consecutive cycles	49
I.3.3.	EA-correlation with outside countries (GDP)	50
I.5.1.	Fiscal policy stance ex post, 1999-2008	75
I.5.2.	Fiscal policy stance ex post, 1989-1998	75
I.5.3.	Fiscal policy stance ex ante, 1999-2008	75
I.6.1.	Reform data	90
I.6.2.	Recommendations and implementation scores in the Broad Economic Policy Guidelines 2000-2005	90

I.6.3.	Determinants of structural reform scores based on BEPGs	91
I.6.4.	Determinants of structural reform scores based on alternative sources	93
I.8.1.	Potential growth and its components	108
I.8.2.	Explaining the investment-capital stock ratio	109
I.8.3.	Fiscal consolidation and the size of the public sector	111
I.8.4.	The tax mix, public investment and structural funds	111
I.8.5.	Public debt and its burden (% of GDP)	112
I.9.1.	Functions of an international currency	118
I.9.2.	Currency distribution of foreign exchange market turnover	119
I.9.3.	Share in international trade invoicing/settlement (1)	120
I.9.4.	Countries and territories with exchange rate regimes linked to the euro	122
I.9.5.	Direction of Trade in Main Latin American Regions, 2006	131
I.10.1.	Constituencies in the IMF (as of 13 February 2008)	143
I.10.2.	Timeliness of economic indicators	148
II.3.1.	Long-term potential Growth Rates and their Components	168
II.3.2.	Decomposition contributions to participation rates	170
II.4.1.	Average duration over which prices/wages remain fixed (in quarters)	180
II.4.2.	Frequency of consumer price changes by product type (% of prices that change in a month)	182
II.4.3.	Competitiveness, adjustment, and labour and product market institutions	183
II.4.4.	Financial integration and risk sharing. A survey of recent evidence	186
II.5.1.	Sustainability gap indicators	196
II.5.2.	Overall risk classification	196
II.5.3.	Influence of fiscal rules on the primary cyclically adjusted balance (EU-25, 1990-2005)	200
II.5.4.	Difference between the observed and planned increase in real primary expenditure EU-15 explained, 1990-2006	201
II.6.1.	The sources of differences in per capita GDP vis-à-vis the EU15 in 2006	206
II.7.1.	Key characteristics of main economies, 2006	218
II.7.2.	Inflation, Fiscal Balance and Current Account Balance	219
II.7.3.	Selected Indicators on the Size of the Capital Markets, 2006	219
II.7.5.	Volatility of macroeconomic variables	227
II.7.4.	Quarterly interest rate volatility (standard deviation)	228
II.7.6.	Correlation of long-term interest rate	231

LIST OF GRAPHS

I.2.1.	Inflation: level and volatility	28
I.2.2.	Volatility of GDP growth	28
I.2.3.	Contributions to euro area overall HICP inflation	30
I.2.4.	Volatility of wage growth	30
I.2.5.	Volatility of import price changes	30

1.2.6.	Output growth	33
1.2.7.	Output growth per capita	33
1.2.8.	Employment growth	33
1.2.9.	Labour productivity growth	34
1.2.10.	Real trade in goods	35
1.2.11.	Euro-area output gap developments from peaks	37
1.2.12.	Output gap developments after the cyclical peak of 2000, euro area and US (in % of trend)	38
1.2.13.	Domestic demand after the cyclical peak, euro area (index 100 at cyclical peak)	38
1.2.14.	Investment after cyclical peaks, euro area (index 100 at cyclical peak)	38
1.2.15.	Consumption after cyclical peaks, euro area (index 100 at cyclical peak)	38
1.2.16.	Household real disposable income after cyclical peaks, euro area (index 100 at cyclical peak)	38
1.2.17.	Real short-term interest rates during major downturns, euro area (in %)	39
1.2.18.	Discretionary fiscal policy in major downturns, euro (cyclically adjusted primary balance in %)	39
1.2.19.	Euro-USD and effective exchange rates against 41 countries (monthly data; index, Jan 1999=100)	41
1.2.20.	Euro area-US short-term interest rate differential and annual percentage change in the EUR USD exchange rate	41
1.2.21.	Daily exchange rate volatility against the USD (st'dev in %)	42
1.3.1.	Standard deviation of euro-area output gaps	45
1.3.2.	Mean euro-area correlation, IP	46
1.3.3.	Euro-area business cycle phases (IP, 1975m7-2007m7)	47
1.3.4.	Mean euro-area correlation and recession phases (IP data)	47
1.3.5.	Mean euro-area correlation and recession phases (GDP data)	48
1.3.6.	Rolling correlations (GDP, 6-year window) 1	50
1.4.1.	Cumulated real per capita GDP growth relative to aggregate 1999-2007	53
1.4.2.	Cumulated consumer price inflation relative to aggregate 1999-2007	53
1.4.3.	Cumulated change in relative unit labour cost	54
1.4.4.	Current account positions	54
1.4.5.	Real interest rates	54
1.4.6.	Residential investment as a share of GDP	54
1.4.7.	Cumulated change in real house prices	54
1.4.8.	Real effective exchange rate based on unit labour costs	56
1.4.9.	Real effective exchange rate based on GDP deflator	56
1.4.10.	Real effective exchange rate based on Unit labour costs	58
1.4.11.	Real effective exchange rate based on GDP deflator	58
1.4.12.	Real effective exchange rates and the trade contribution to growth	58
1.4.13.	Determinants of cost competitiveness, 1999-2006	60

1.5.1.	Inflation in the euro area	66
1.5.2.	Official and short-term interest rates	67
1.5.3.	Money and credit growth	67
1.5.4.	Monetary conditions index	68
1.5.5.	Short term interest rate in the euro area: actual and implied by a normative Taylor rule	68
1.5.6.	Short term interest rate in the euro area: actual and implied by a positive Taylor rule	69
1.5.7.	Development of fiscal positions	69
1.5.8.	Development of gross public debt	70
1.5.9.	Change in revenue ratio to GDP	70
1.5.10.	Change in expenditure ratio to GDP	70
1.5.11.	Change in primary expenditure ratio to GDP	70
1.5.12.	Output gap estimates for the euro area	72
1.5.13.	Output gap estimates for the US	72
1.5.14.	Fiscal and monetary stance in the euro area	76
1.5.15.	Fiscal and monetary stance in the US	76
1.6.1.	The unemployment rate and the NAWRU in the euro area	80
1.6.2.	Employment rate by country	81
1.6.3.	NAWRU by country	81
1.6.4.	Labour market reform and the change in the employment rate	81
1.6.5.	Labour market reform and the change in the NAWRU	82
1.6.6.	Indicators of product market regulation	86
1.7.1.	Evolution of 3-months interbank rates (in %, annual data)	95
1.7.2.	Evolution of 10-year government bond yields (in percent, annual data)	96
1.7.3.	Gross issuance of euro denominated bonds since 1999 (in EUR bn)	96
1.7.4.	Euro area and US shock spillover intensity in the equity market	97
1.7.5.	Number of payment systems in the euro area	98
1.7.6.	Market share of global stock exchanges in 2006 (by turnover)	98
1.7.7.	Consolidation of post-trading infrastructures in the euro area	98
1.7.8.	Concentration in the euro area banking sector (CR5 ratio)	99
1.7.9.	Value of M&A deals performed by EU banks	99
1.7.10.	Average share of foreign establishments (in total domestic banking assets)	100
1.7.11.	Residential mortgage credit outstanding in 2005 (in % of GDP)	103
1.7.12.	Euro area government bond spread over Bunds	104
1.8.1.	GDP Per Capita in 1999	106
1.8.2.	Convergence dynamics 1999-2008	107
1.8.3.	Potential growth rates: 'Catching-up' countries vs rest of euro area	108
1.8.4.	User cost of capital	110
1.8.5.	Fiscal balance projections in Spain	114
1.8.6.	Fiscal balance projections in Portugal	114

I.9.1.	Stock of international debt securities: narrow definition	118
I.9.2.	Stock of international debt securities: broad definition	118
I.9.3.	Currency in circulation, EUR and USD, % of GDP	121
I.9.4.	Currency in circulation, EUR and USD, levels	121
I.9.5.	Currency shares in global foreign exchange reserves	124
I.9.6.	Trade invoicing in euros (% of total, 2005)	125
I.9.7.	The euro as domestic banking currency in the Western Balkans (% of total, 2006)	126
I.9.8.	Reserves of Central Bank of Russia	127
I.9.9.	EU share in SSA trade of goods (1995-2005)	128
I.9.10.	Currency breakdown of stocks of international bonds and notes (shares of total in %)	129
I.9.11.	Import invoicing in some Asian countries (2003 and 2004)	129
I.9.12.	Japanese exports to the EU	130
I.10.1.	Slipping fiscal targets	134
I.10.2.	Public perception of reform needs	140
II.2.1.	Total cross-border asset and liabilities as share of GDP	160
II.2.2.	Age-related expenditure in the euro area (% of GDP)	163
II.2.3.	Top 0.1% income shares	164
II.2.4.	Interest rates and the cycle	164
II.3.1.	Participation rates by age profile	170
II.3.2.	Difference between the male and female participation rates	170
II.3.3.	Structural unemployment in euro-area	171
II.3.4.	Beveridge curve for the euro-area	171
II.3.5.	28 Industry Breakdown of total TFP Contribution to Value Added Growth US minus EU-15x5 (1996-2004)	172
II.4.1.	Real wage and productivity growth, pre-EMU	184
II.4.2.	Real wage and productivity growth, post-EMU	184
II.5.1.	Debt developments in the euro area, 2005-2050	197
II.5.2.	Overall risk classification and the sustainability gap	197
II.5.3.	Size of government and real GDP growth in the euro area	199
II.5.4.	Growth-enhancing public spending	200
II.5.5.	Fiscal rules index in the euro area	201
II.6.1.	GDP per head of population before and after EU accession	204
II.6.2.	NMS - GDP per capita and price levels (2000 and 2006, EU15=100)	205
II.6.3.	Comparative price levels of 9 NMS in 2005 (EU25=100)	205
II.6.4.	Administered prices of 9 NMS (annual percentage changes)	206
II.6.5.	Trade integration with the EU and euro area	207
II.6.6.	Sectoral breakdown of activity, 2005	207
II.6.7.	Foreign ownership in the NMS' banking sectors	208
II.6.8.	Public finance in 2004-2006	210
II.6.9.	NMS - Growth of domestic credit, 2004-2006	211
II.6.10.	NMS - Share of foreign currency borrowing in domestic credit, 2004-2006	211
II.7.1.	Current account balance (% of GDP)	219
II.7.2.	Net international investment position (% of GDP)	219
II.7.3.	US external position	224

II.7.4.	Decomposition of changes in world output volatility by region	229
II.8.1.	Gini coefficients of income	235
II.8.2.	Gini coefficients of market income and disposable income	236
III.2.1.	Policy assignment across areas of structural reforms	270
III.2.2.	Sequency of reform areas	274

LIST OF BOXES

I.2.1.	Public perceptions of inflation in the euro area	32
I.2.2.	The impact of the single currency on labour productivity	36
I.2.3.	How do structural rigidities affect adjustment to shocks?	40
I.3.1.	The Optimum Currency Area theory and its implications for business cycle synchronisation	44
I.4.1.	Standard adjustment channels and cross-country spillover effects	57
I.4.2.	Competitiveness as an adjustment mechanism in the euro area	59
I.4.3.	Real interest rate differentials: a comparison with the United States	63
I.5.1.	Assessing the cycle by country	71
I.5.2.	The fiscal stance by country	73
I.9.1.	Sovereign Wealth Funds	123
I.10.1.	Implementation of the SGP	135
I.10.2.	The 2005 reform of the SGP	137
I.10.3.	Evolution of the Broad Economic Policy Guidelines	139
II.3.1.	The impact of pension reform on older workers' participation rates.	169
II.3.2.	Financial market integration and capital allocation	174
II.4.1.	Asymmetric effects of common external shocks: model simulations	179
II.4.2.	Nominal rigidities and adjustment to shocks	181
II.4.3.	A Phillips curve for euro-area countries.	185
II.4.4.	How Politically Costly Are Structural Reforms?	190
II.4.5.	Expenditure rules to curb fiscal procyclicality in good times.	193
II.6.1.	Adjustment to credit and productivity shocks in New Member States	214
II.7.1.	Investor diversification away from the dollar: a survey of the literature	222
II.7.2.	Regional Stabilising Effects of EMU: the case of the Western Balkans and the CFA Zone	226
II.8.1.	Spillovers in a monetary union with nominal rigidities	241