

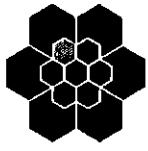


Chemicals Trends Report: Top Indicators

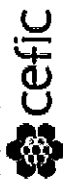
Dr Moncef Hadhri: mha@cefic.be

Survey date: February 2009

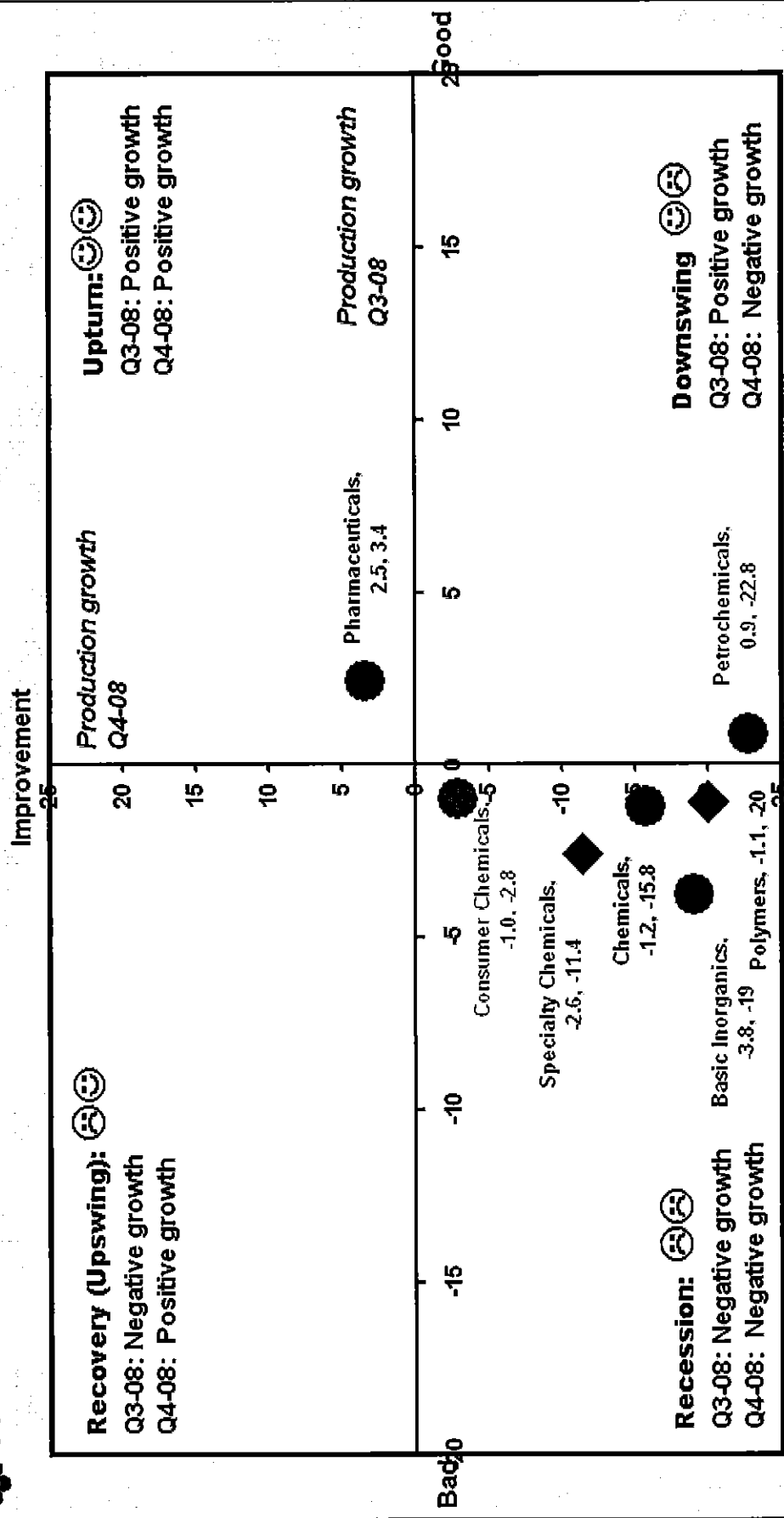




EU chemicals production growth: Q3-'08 versus Q4-'08



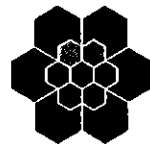
EU Production growth: Q3-08 and Q4-08



Data source: European Commission

Deterioration

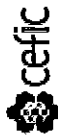
Production trend: Last update (Dec 2008)



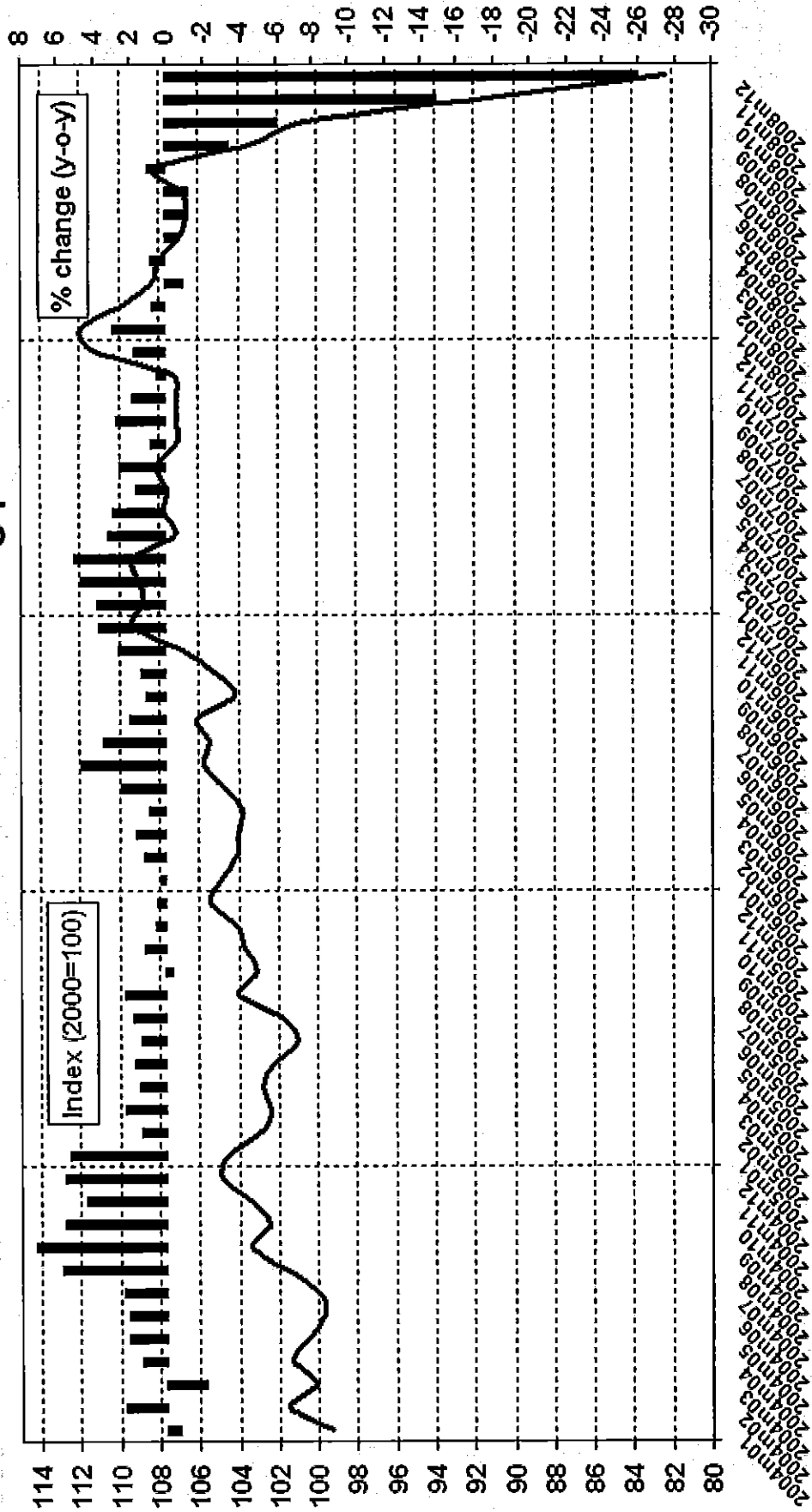
Production growth (year over year, in volume terms)	Weights	Dec2008	Jan-Dec. 2008	Dec2008	Jan-Dec. 2008
		Index (2000=100) S.A*	Change in % against previous year	Index (2000=100) S.A*	Change in % against previous year
Sectors					
Petrochemicals	18.0%	69.7	104.6	-39.6	-4.7
Polymers	19.1%	70.0	95.8	-32.8	-5.0
Plastics	86%	71.2	98.2	-33.3	-5.0
Synthetic rubber	5%	61.1	88.2	-35.1	-0.9
Man-made fibres	9%	63.8	76.1	-24.7	-7.7
Basic Inorganics	7.7%	80.6	106.0	-31.2	-4.9
Other inorganics	42%	86.5	110.0	-27.5	-3.9
Industrial gases	23%	100.1	123.2	-22.3	-0.5
Fertilizers	35%	60.4	89.7	-43.3	-10.0
Pharmaceuticals	27.4%	156.1	157.0	-0.4	2.9
Specialty Chemicals	17.0%	88.0	99.7	-15.7	-3.7
Auxiliaries for industry	8%	91.9	102.2	-14.5	-1.5
Dyes & pigments	9%	70.8	87.7	-26.8	-10.9
Crop protection	10%	88.1	90.2	0.4	0.7
Paints & inks	37%	87.1	102.0	-18.4	-5.8
Consumer Chemicals	10.8%	117.4	120.7	-4.7	-1.9
Overall Chemicals	100.0%	102.5	118.3	-17.1	-1.7
Chemicals excluding pharmaceuticals	72.6%	82.3	103.7	-26.0	-4.1

Data source: Eurostat, *Seasonally adjusted data

Chemicals* Dec '08: -26% y-o-y growth



EU27: Production: Chemicals excluding pharmaceuticals*

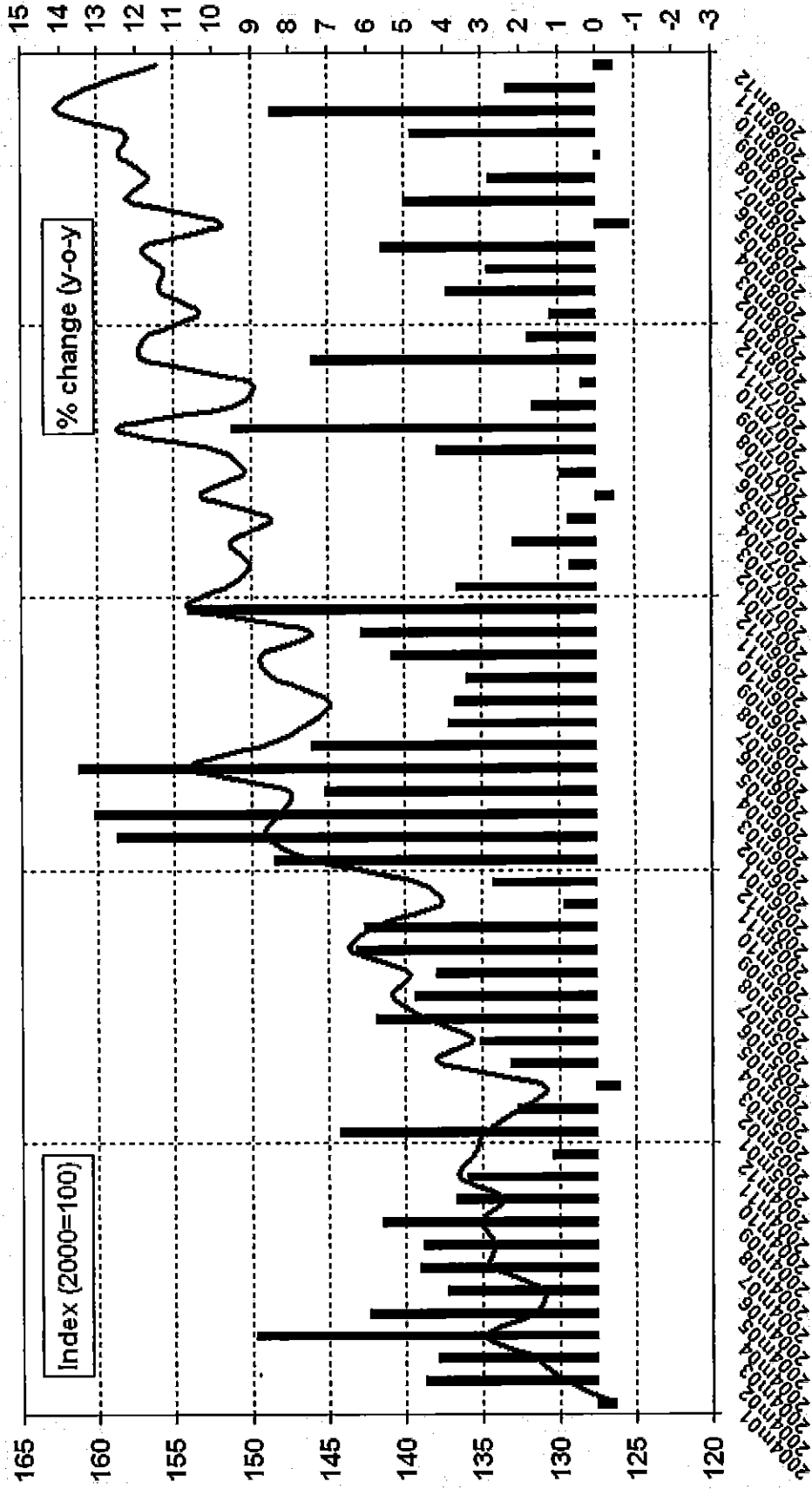


Data source: Eurostat. * Overall chemicals (Nace 24) - pharmaceuticals (Nace 244)

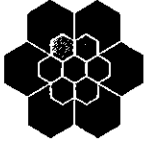
Pharmaceuticals Dec '08: -0.4% y-o-y growth



EU27: Production: Pharmaceuticals



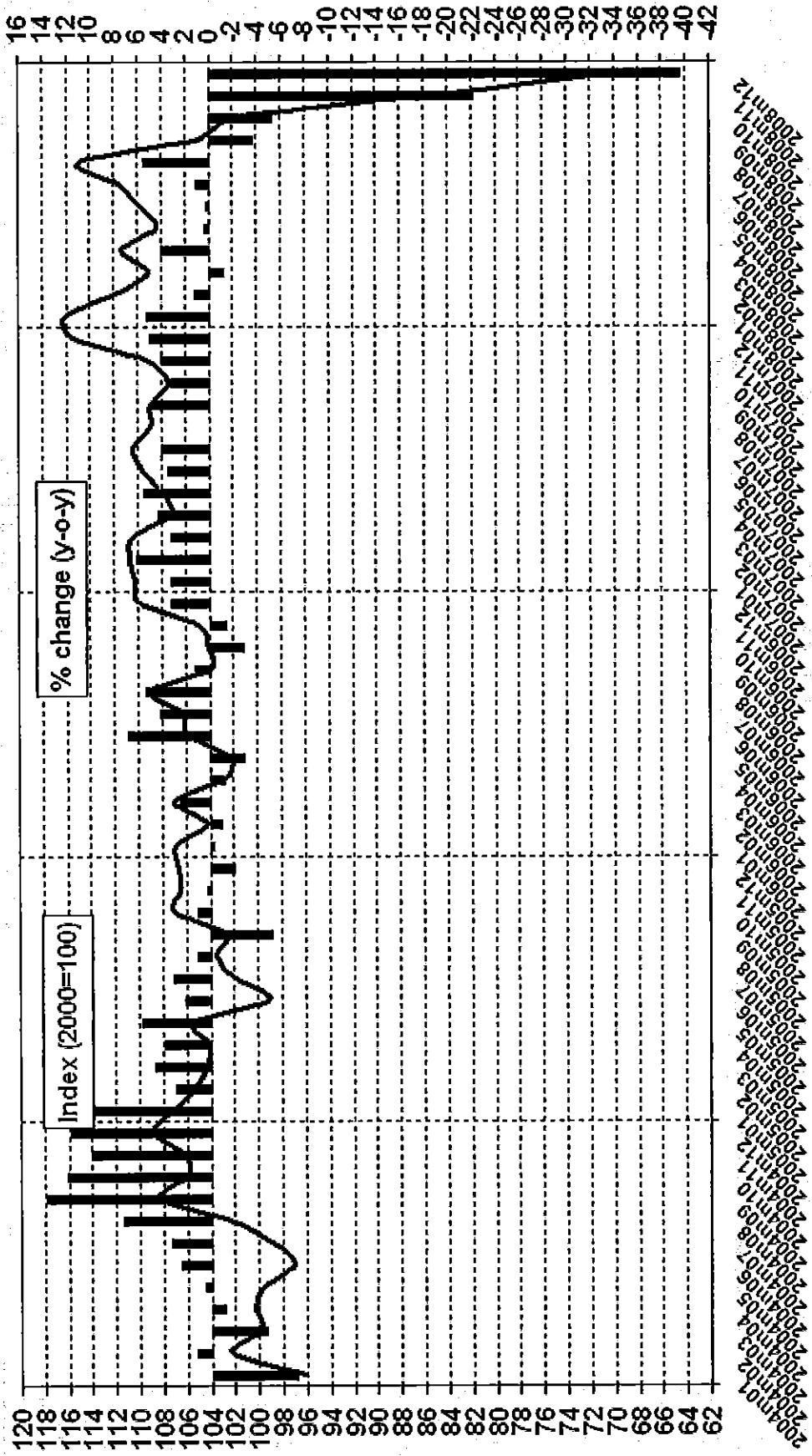
Data source: Eurostat, * Overall chemicals (Nace 24) - pharmaceuticals (Nace 244)



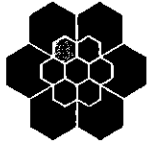
Petrochemicals* Dec '08: -39.6% y-o-y growth



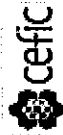
EU27: Production: Petrochemicals*



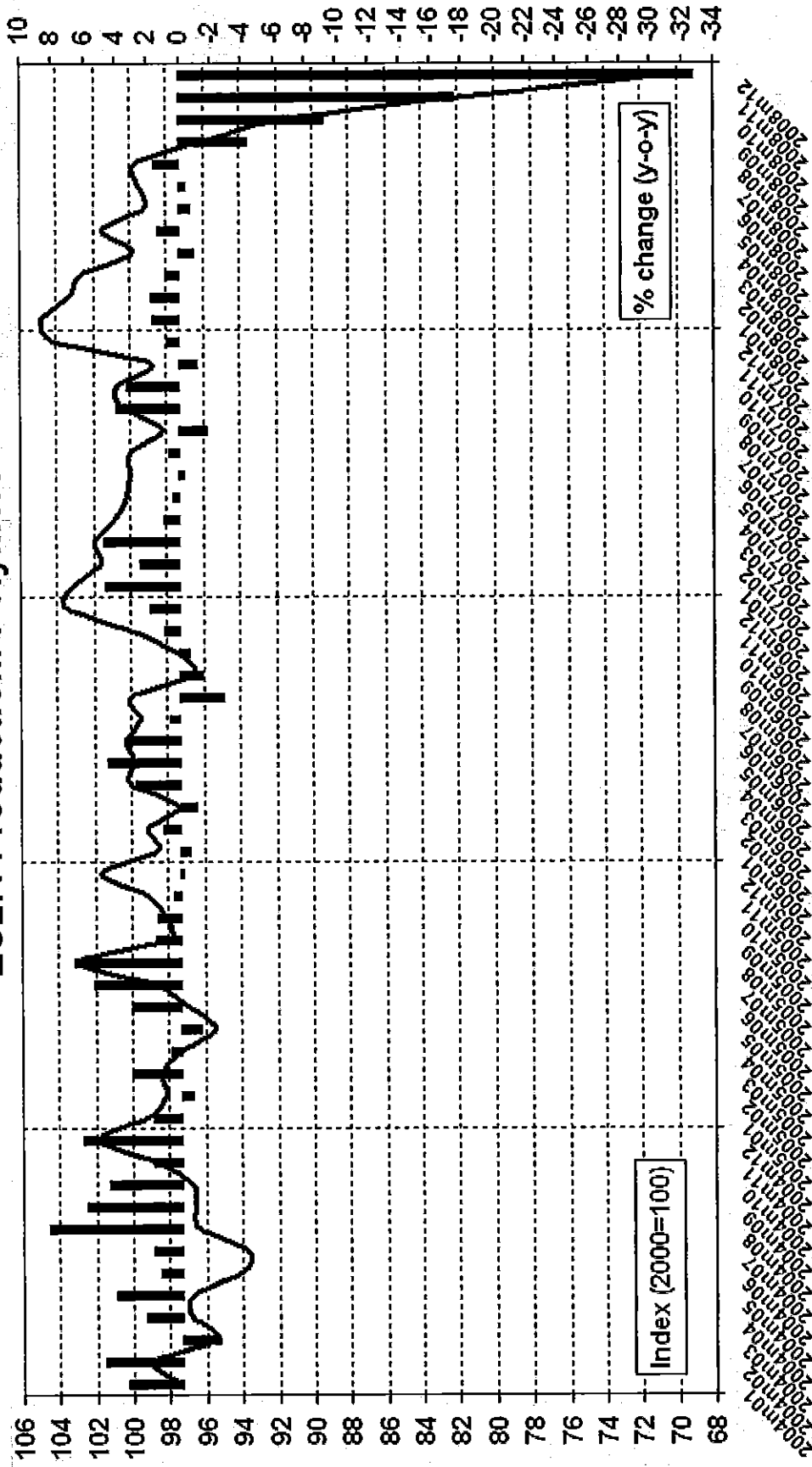
Data source: Eurostat, * dg 2414



Polymers Dec '08: -32.8% y-o-y growth



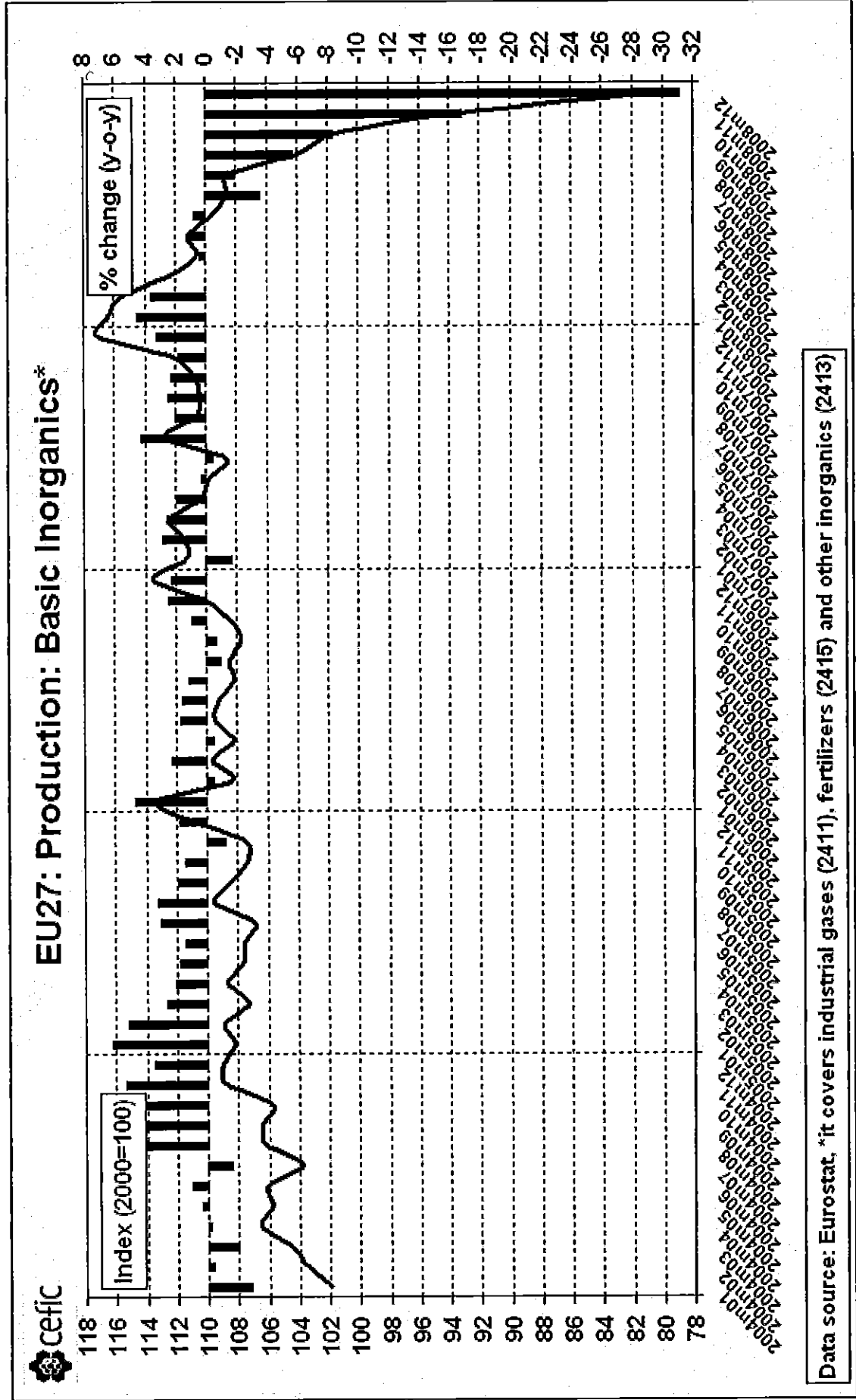
EU27: Production: Polymers*



Data source: Eurostat. *Polymers cover plastics (2416), synthetic rubber (2417) and man-made fibres (247)



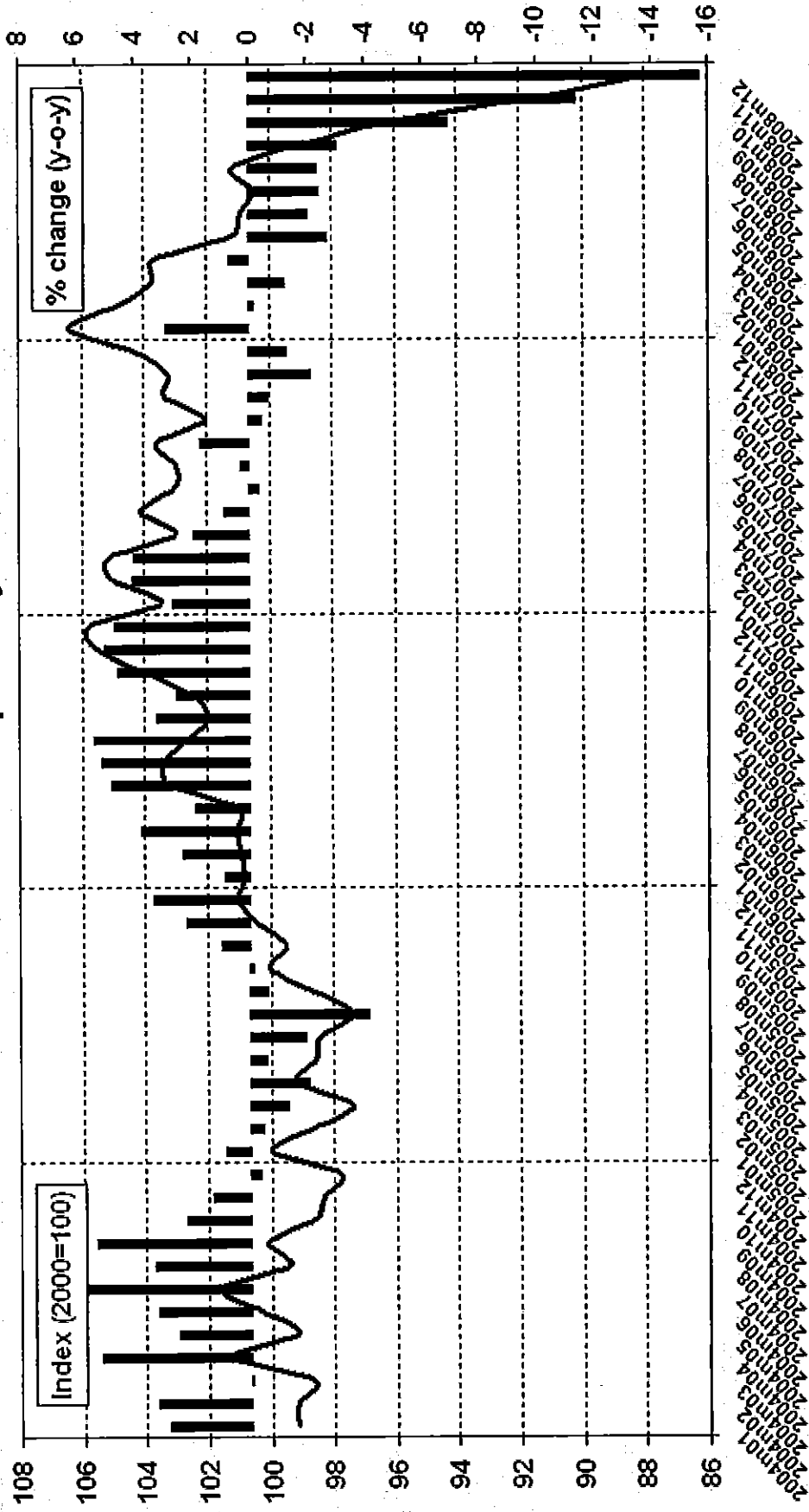
Basic Inorganics* Dec'08: -31.2% y-o-y growth



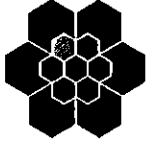
Specialty Chemicals Dec'08: -15.7% y-o-y growth



EU27: Production: Specialty Chemicals



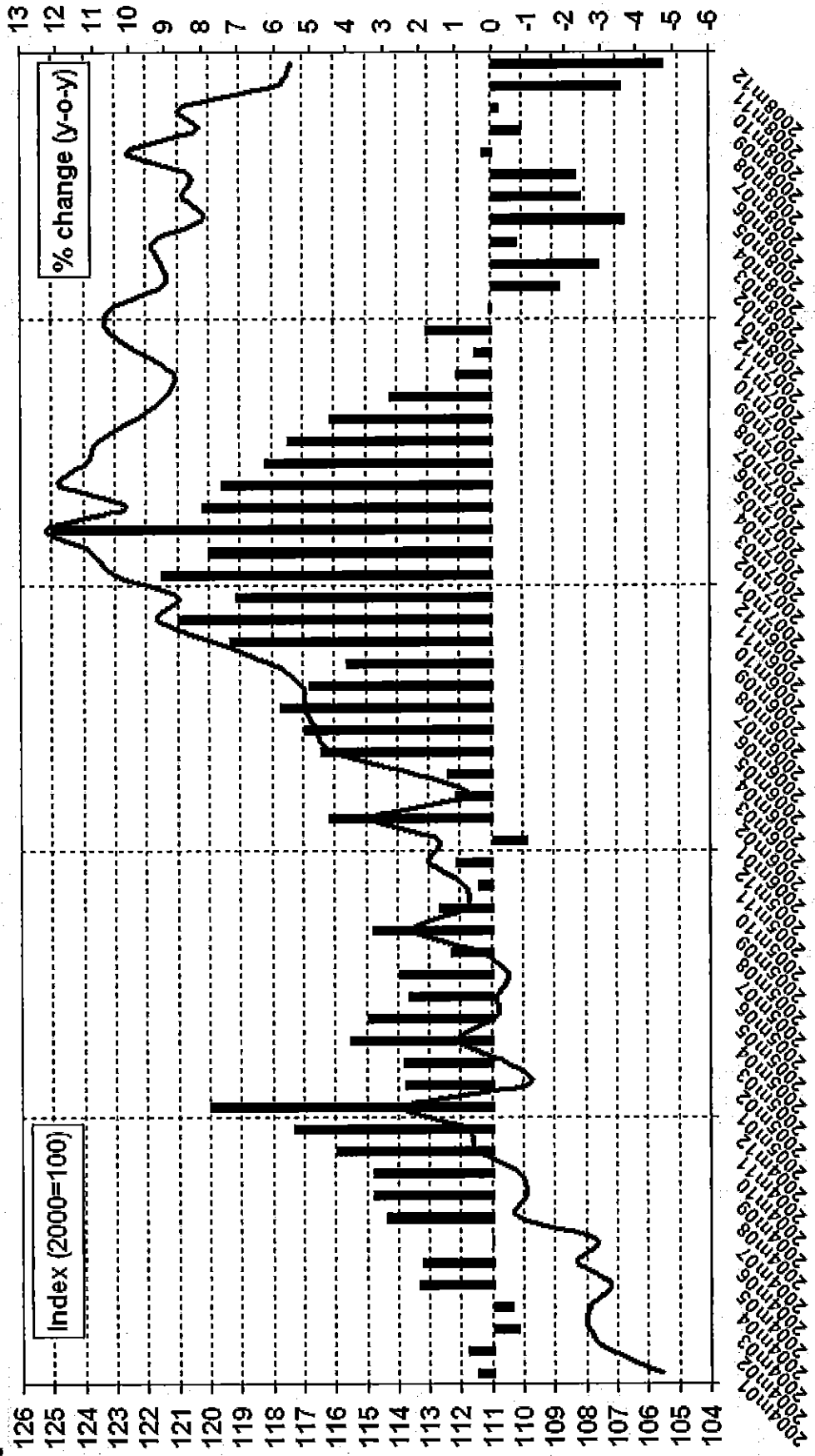
Data source: Eurostat



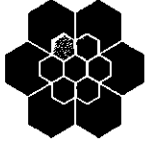
Consumer Chemicals Dec '08: -4.7% y-o-y growth



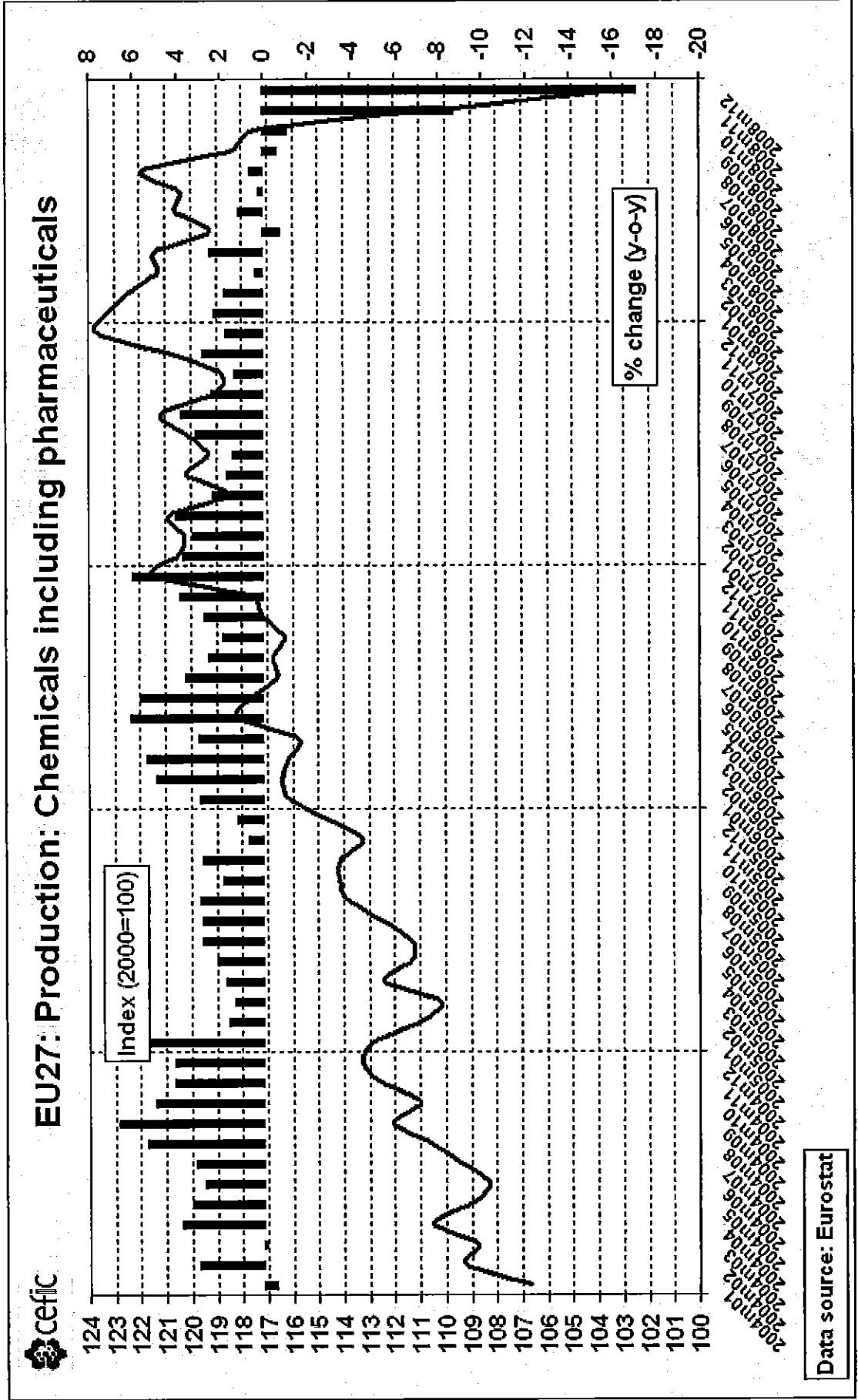
EU27: Production: Consumer Chemicals*



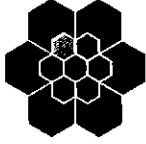
Data source: Eurostat. *Consumer chemicals (Nace 245)



Overall chemicals* Dec '08: -17.1% y-o-y growth



Cefic Classification

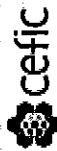
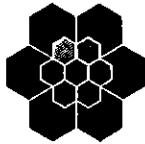


EU Chemicals industry: Cefic Classification: Sales 2007

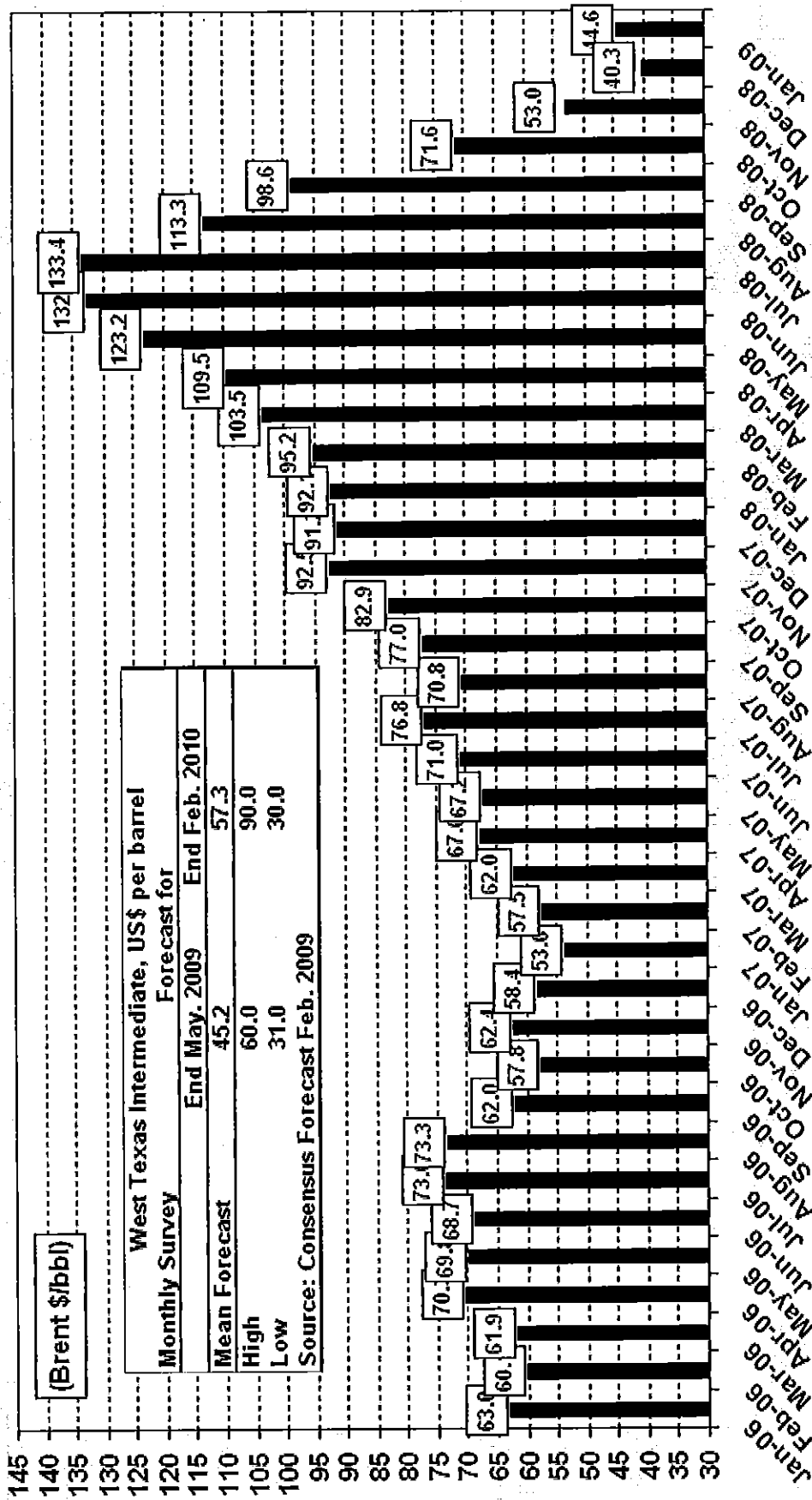
Weight	weight	Chemical sub-sectors	NACE Code
18.0%		1. Petrochemicals	2414
7.7%		3. Basic inorganics	2413, 2411, 2415
3.2%	42%	Other inorganics	2413
1.8%	23%	Industrial gases	2411
2.7%	35%	Fertilizers	2415
19.1%		2. Polymers	2416, 2417, 247
16.5%	86%	Plastics	2416
1.0%	5%	Synthetic rubber	2417
1.7%	9%	Man-made fibres	247
17.0%		4. Speciality chemicals	246, 2412, 242, 243
1.5%	9%	Dyes & pigments	2412
1.6%	10%	Crop protection	242
6.2%	37%	Paints & inks	243
7.7%	45%	Auxiliaries for industry	246
27.4%		6. Pharmaceuticals	244
10.8%		5. Consumer chemicals	245
72.6%		Chemicals excluding pharmaceuticals	24-244
100.0%		Overall Chemicals	24

Source: Cefic Chemdata International

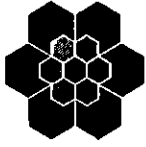
Oil price: 2006-2009



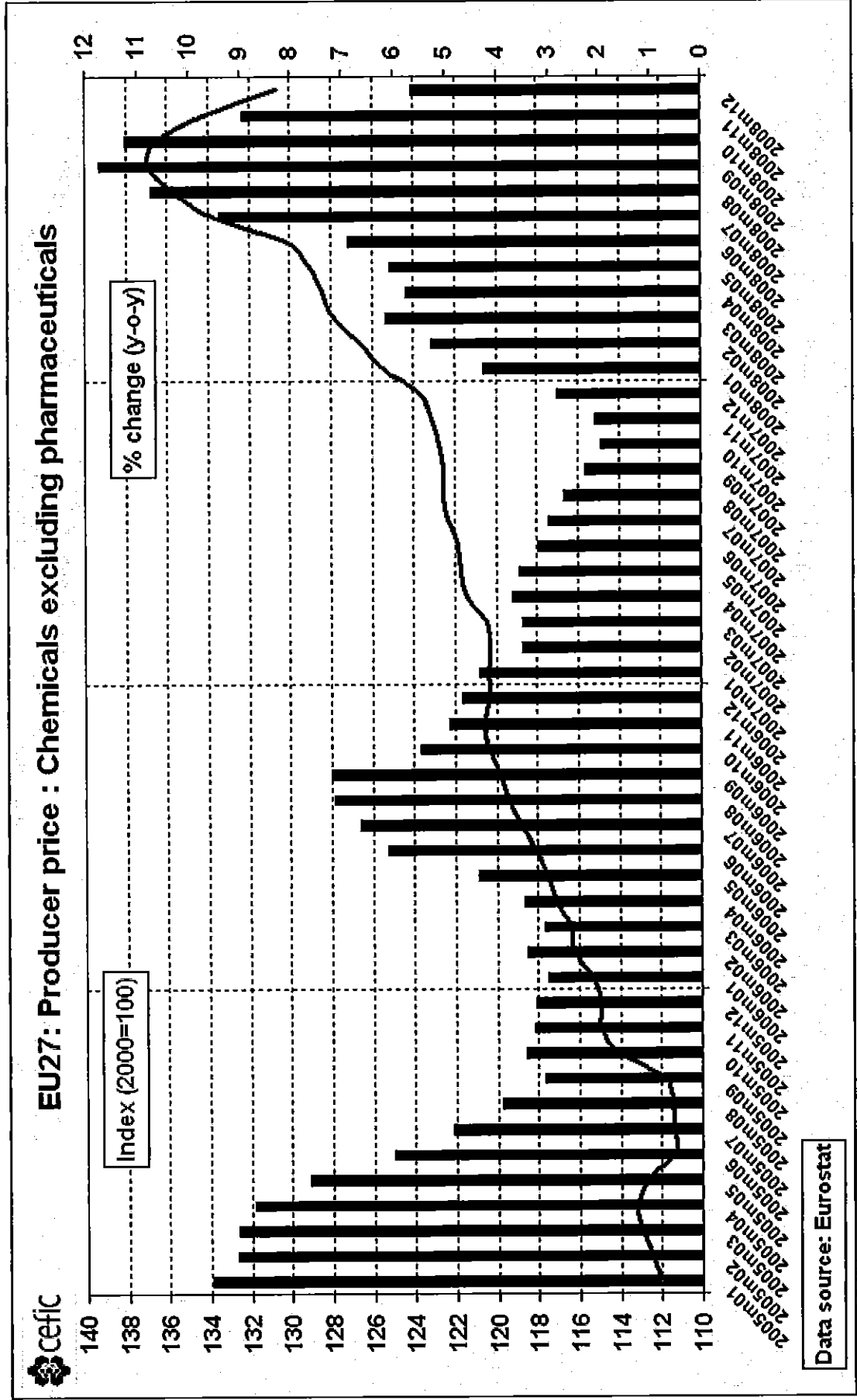
Oil Price (Brent \$/bbl)



Data source: INSEE (Institut national de la statistique et des études économiques, Paris)



Chemicals*: Dec '08: 5.6% y-o-y growth



* excluding pharmaceuticals



Price trend: Last update (Dec 2008)

Producer Prices (year over year)	Weights	Index (2000=100)		Dec 08	Jan-Dec. 2008	Dec 08	Jan-Dec. 2008
		Dec 08	Jan-Dec. 2008				
Sectors						Change in % against previous year	
Petrochemicals	18.0%	139.8	146.0	139.8	146.0	1.3	7.9
Polymers	19.1%	121.4	129.3	121.4	129.3	-3.6	3.8
Plastics	86%	118.4	128.9	118.4	128.9	-5.9	3.5
Synthetic rubber	5%	186.3	164.9	186.3	164.9	24.7	12.0
Man-made fibres	9%	112.4	112.9	112.4	112.9	0.1	1.1
Basic Inorganics	7.7%	189.4	167.8	189.4	167.8	43.9	32.9
Other inorganics	42%	157.0	140.8	157.0	140.8	28.0	14.9
Industrial gases	23%	125.4	119.2	125.4	119.2	7.4	3.9
Fertilizers	35%	271.2	232.8	271.2	232.8	77.9	68.0
Pharmaceuticals	27.4%	97.9	97.8	97.9	97.8	0.3	0.2
Specialty Chemicals	17.0%	115.1	112.7	115.1	112.7	4.4	2.7
Auxiliaries for industry	8%	117.3	114.3	117.3	114.3	4.8	2.8
Dyes & pigments	9%	101.8	100.7	101.8	100.7	3.2	1.7
Crop protection	10%	105.7	103.5	105.7	103.5	4.4	1.2
Paints & inks	37%	117.8	116.1	117.8	116.1	4.2	3.2
Consumer Chemicals	10.8%	114.5	113.4	114.5	113.4	2.6	2.2
Overall Chemicals	100.0%	121.7	122.1	121.7	122.1	4.4	6.0
Chemicals excluding pharmaceuticals	72.6%	135.7	131.3	135.7	131.3	5.6	7.7

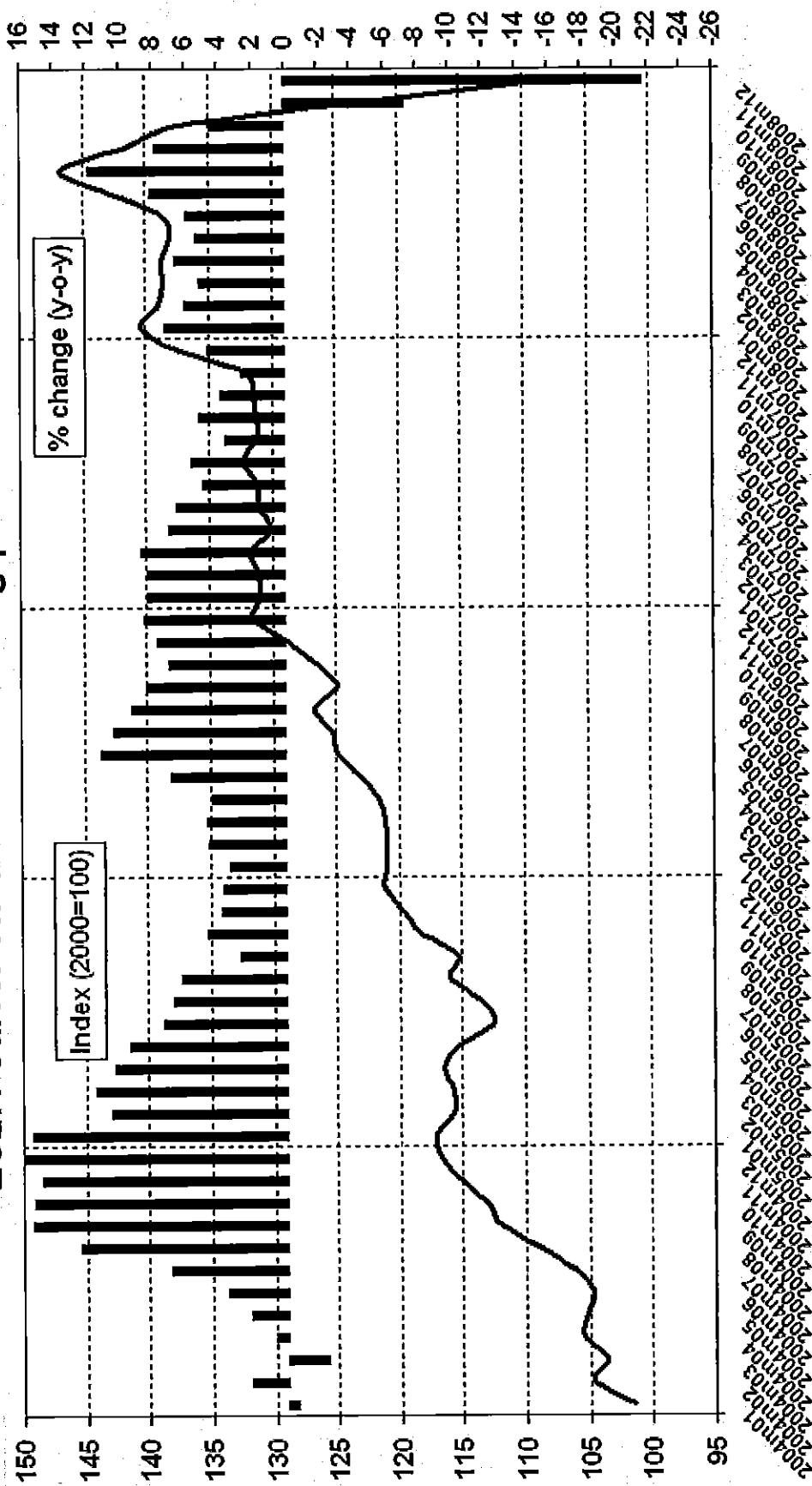
Data source: Eurostat



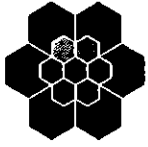
Chemicals sales Dec '08: -21.8% y-o-y growth



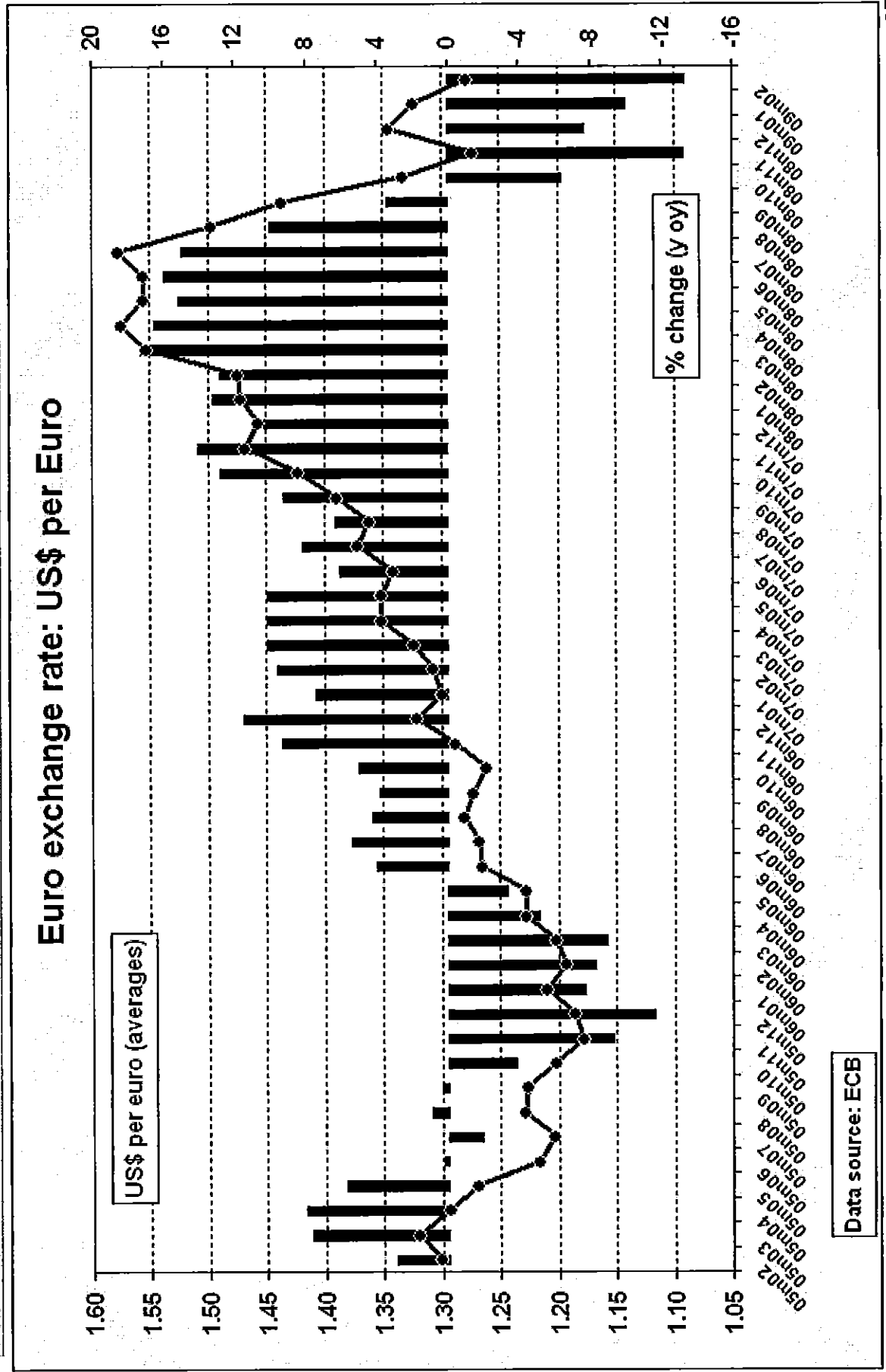
EU27: Sales: Chemicals excluding pharmaceuticals*



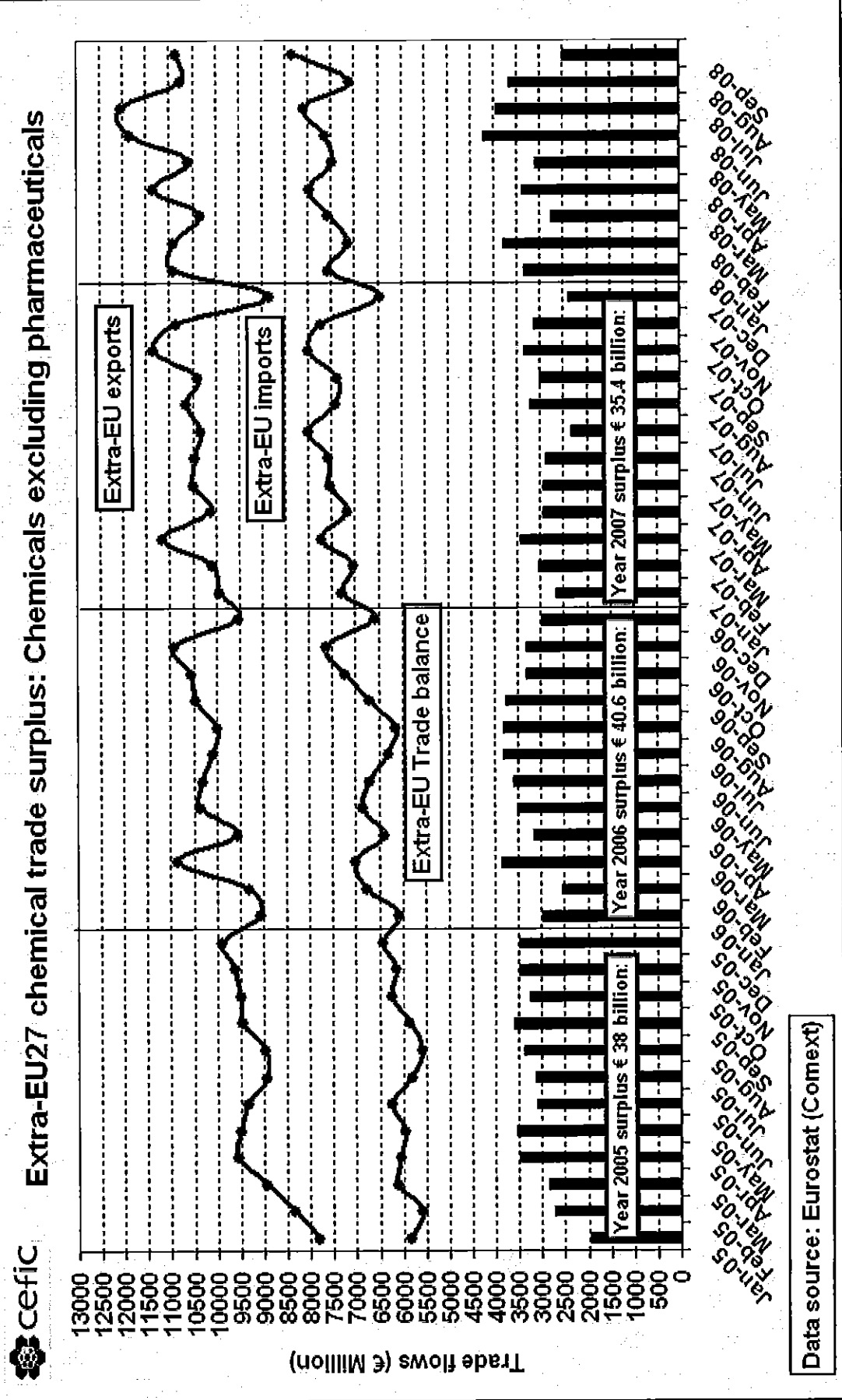
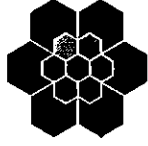
Data source: Eurostat. * Overall chemicals (Nace 24) - pharmaceuticals (Nace 244)



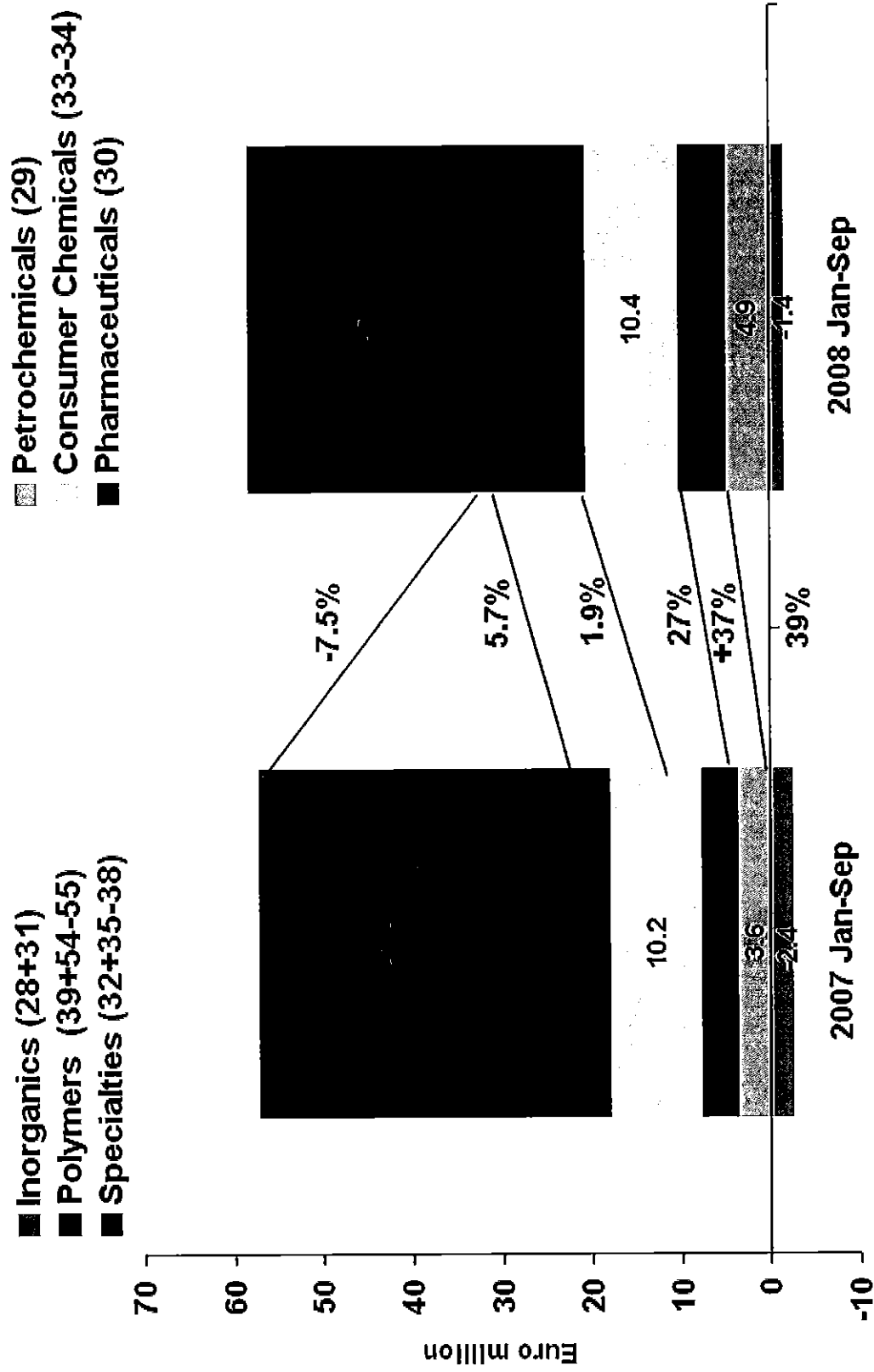
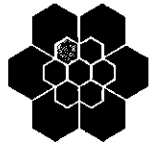
Euro exchange rate: US\$ per Euro

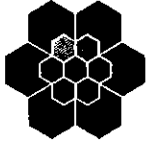


Extra-EU chemicals trade development over the long run

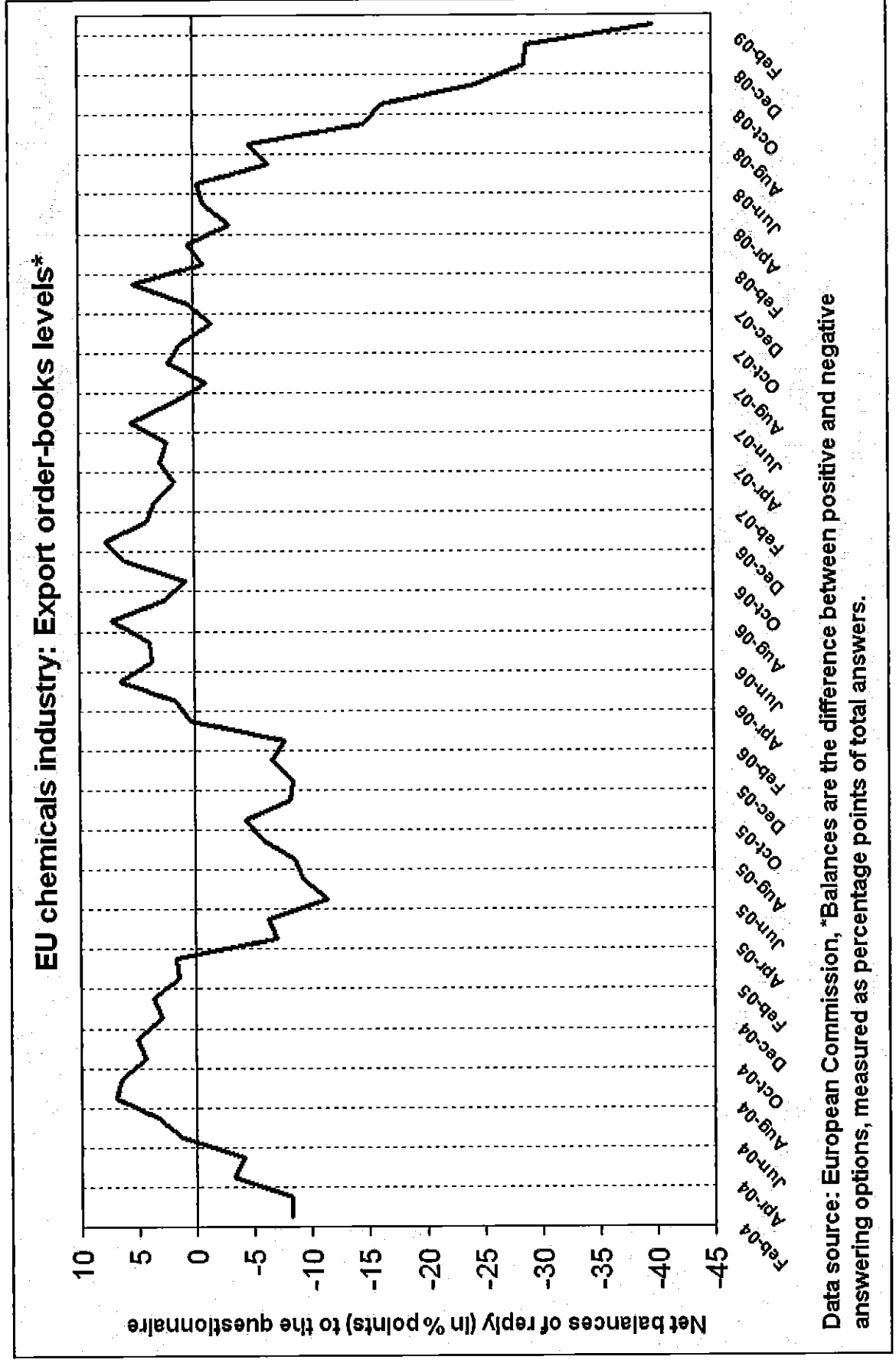


Sectoral breakdown of EU chemicals trade balance: 2007 Jan-Sep versus 2008 Jan-Sep

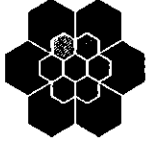




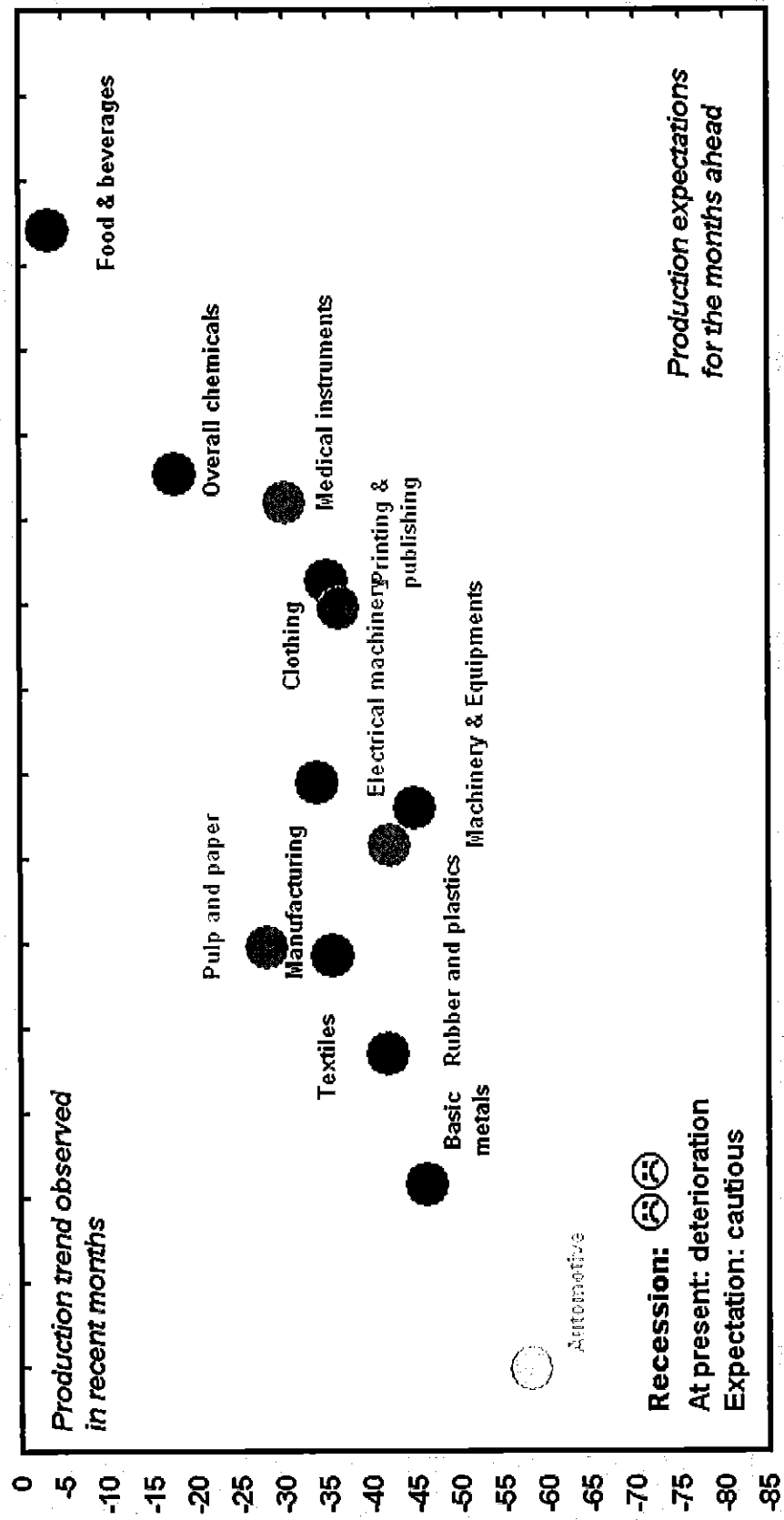
EU export order books: Overall chemicals*



EU manufacturing: Comparing the current situation with the expectations

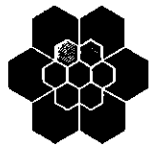


Cefic Business climate: Production versus expectation: February-2009

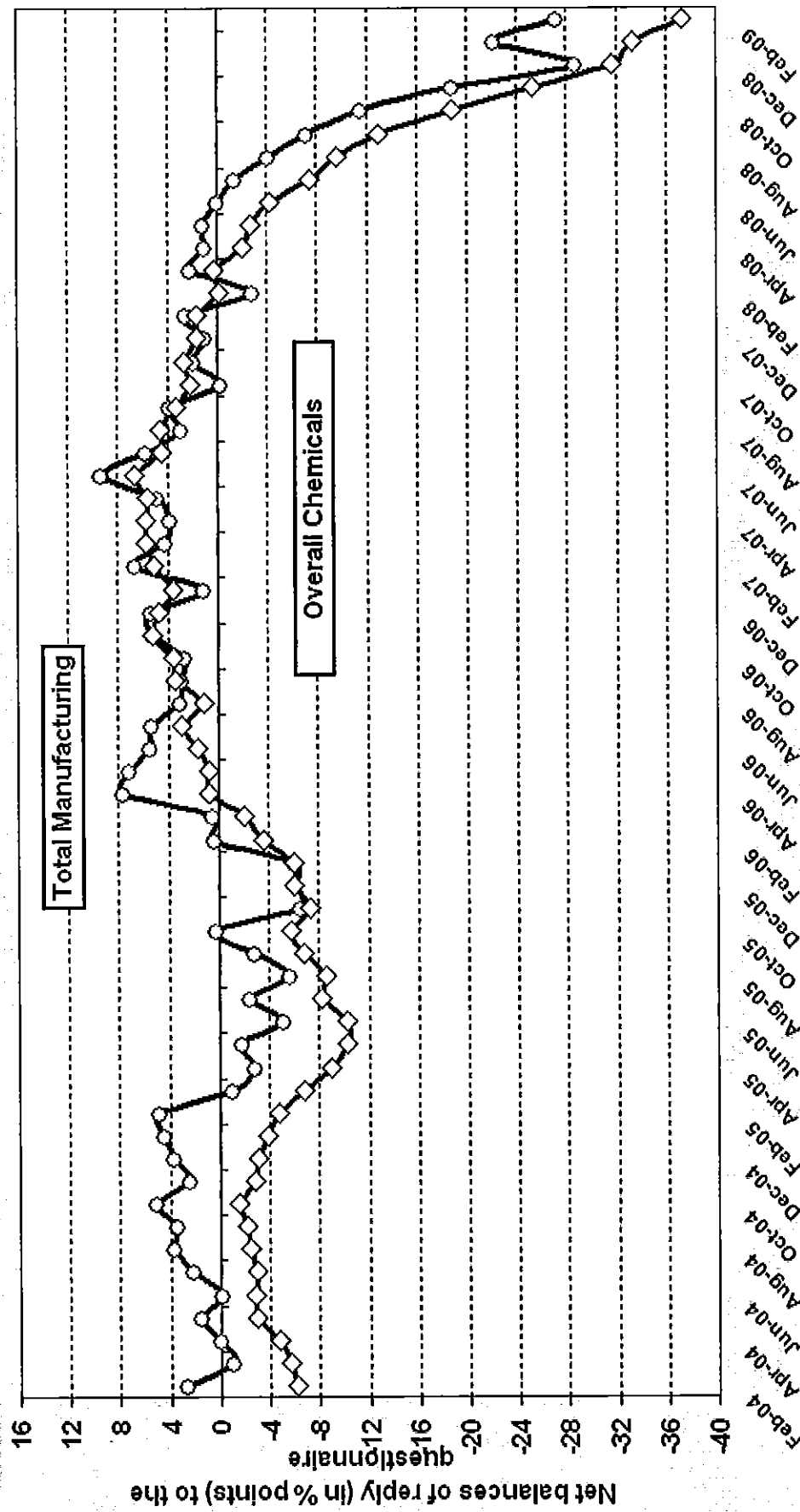


Data source: European Commission

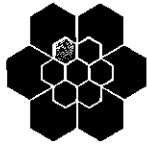
EU confidence Indicators: Chemicals versus total manufacturing



EU Confidence Indicators: Overall chemicals versus total manufacturing

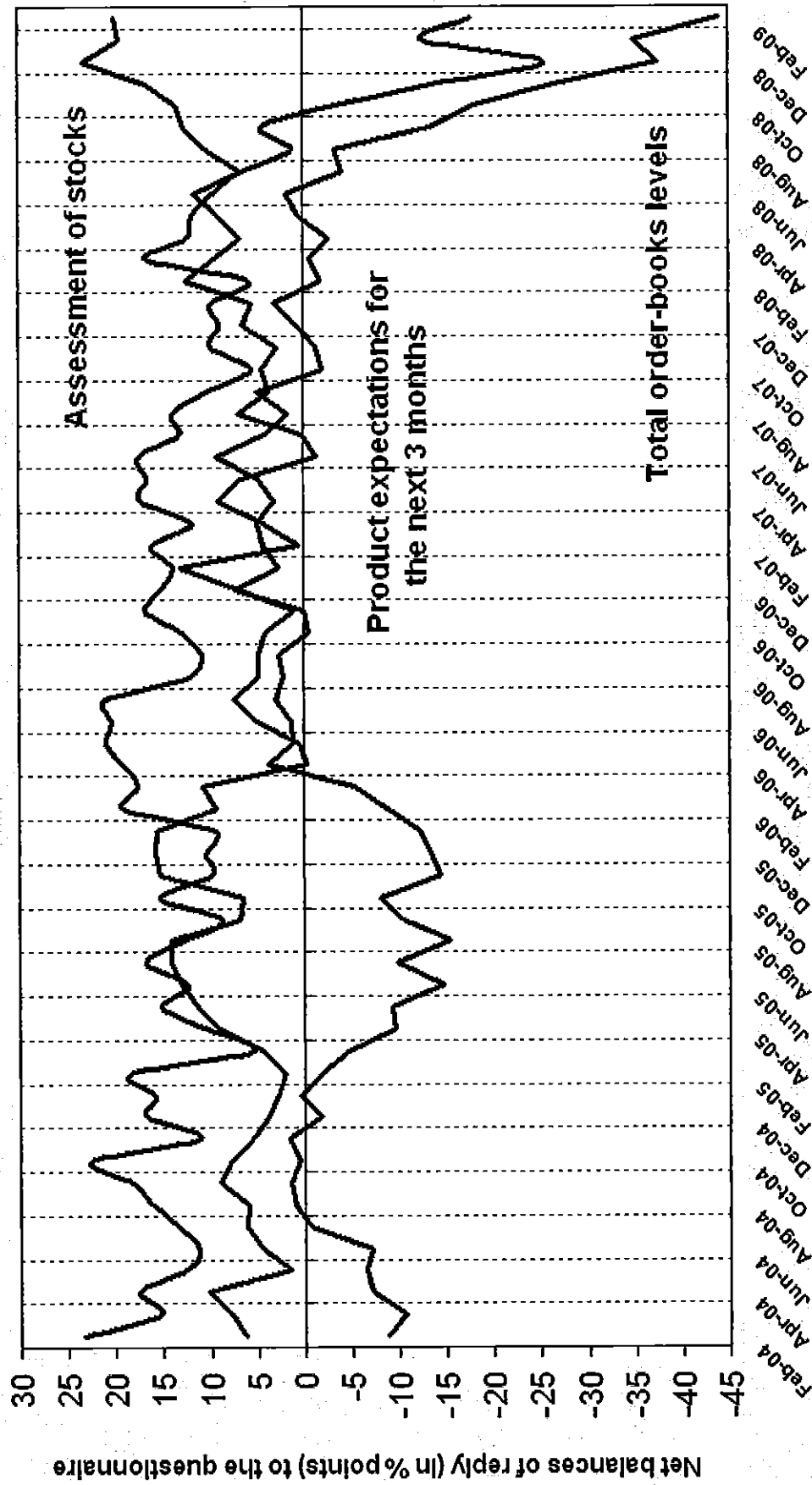


Data source: European Commission

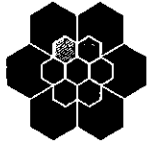


EU Chemicals Confidence's components

EU Chemicals Industry: survey results*

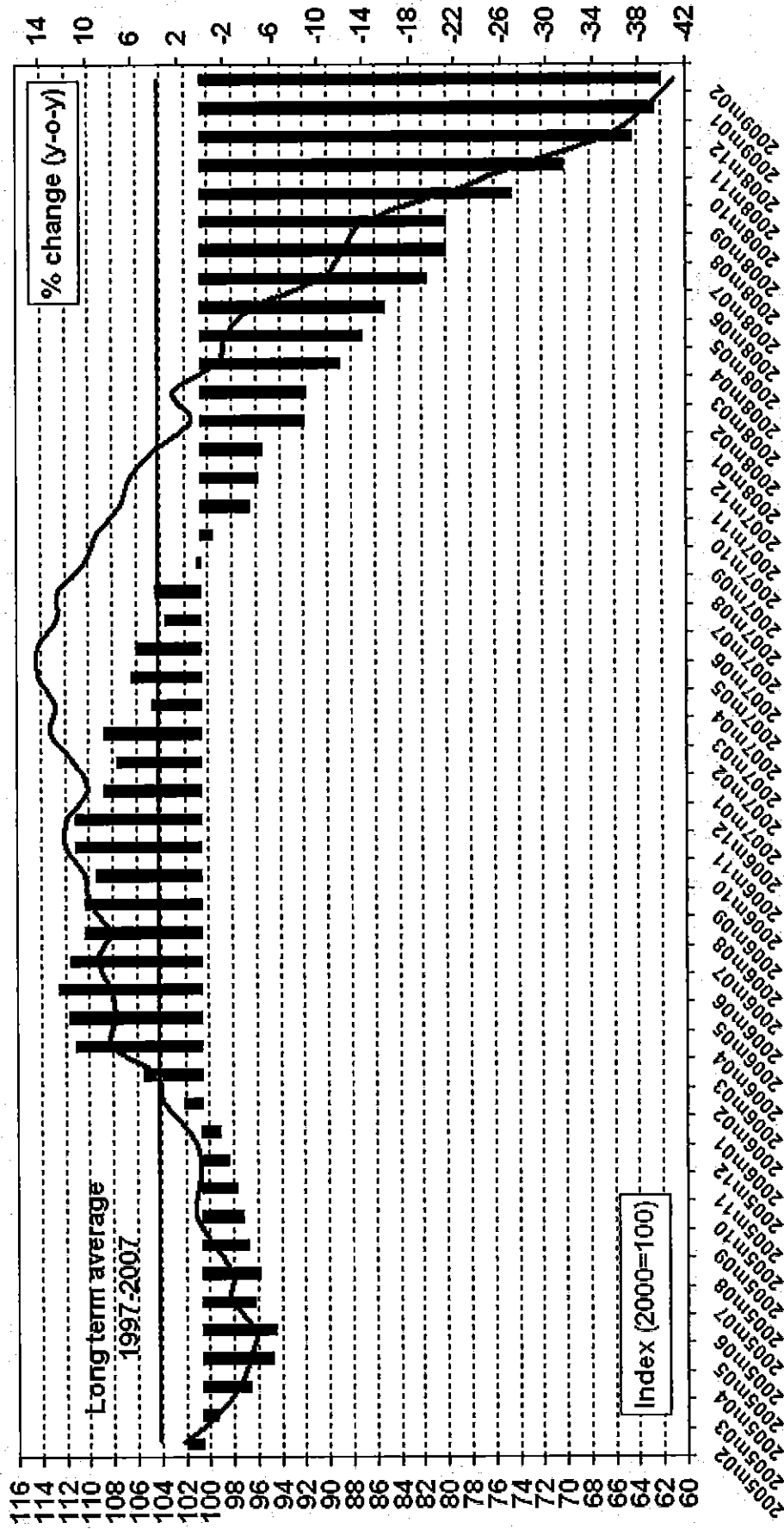


Data source: European Commission. *Balances are the difference between positive and negative answering options, measured as percentage points of total answers. Confidence indicator is the average of production expectation for the next 3 months, current overall order books and current stock of finished products (the last with inverted sign).



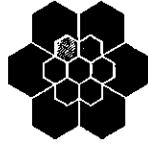
Global perception of the economic situation in the EU

EU27: Economic Sentiment Indicator (ESI)

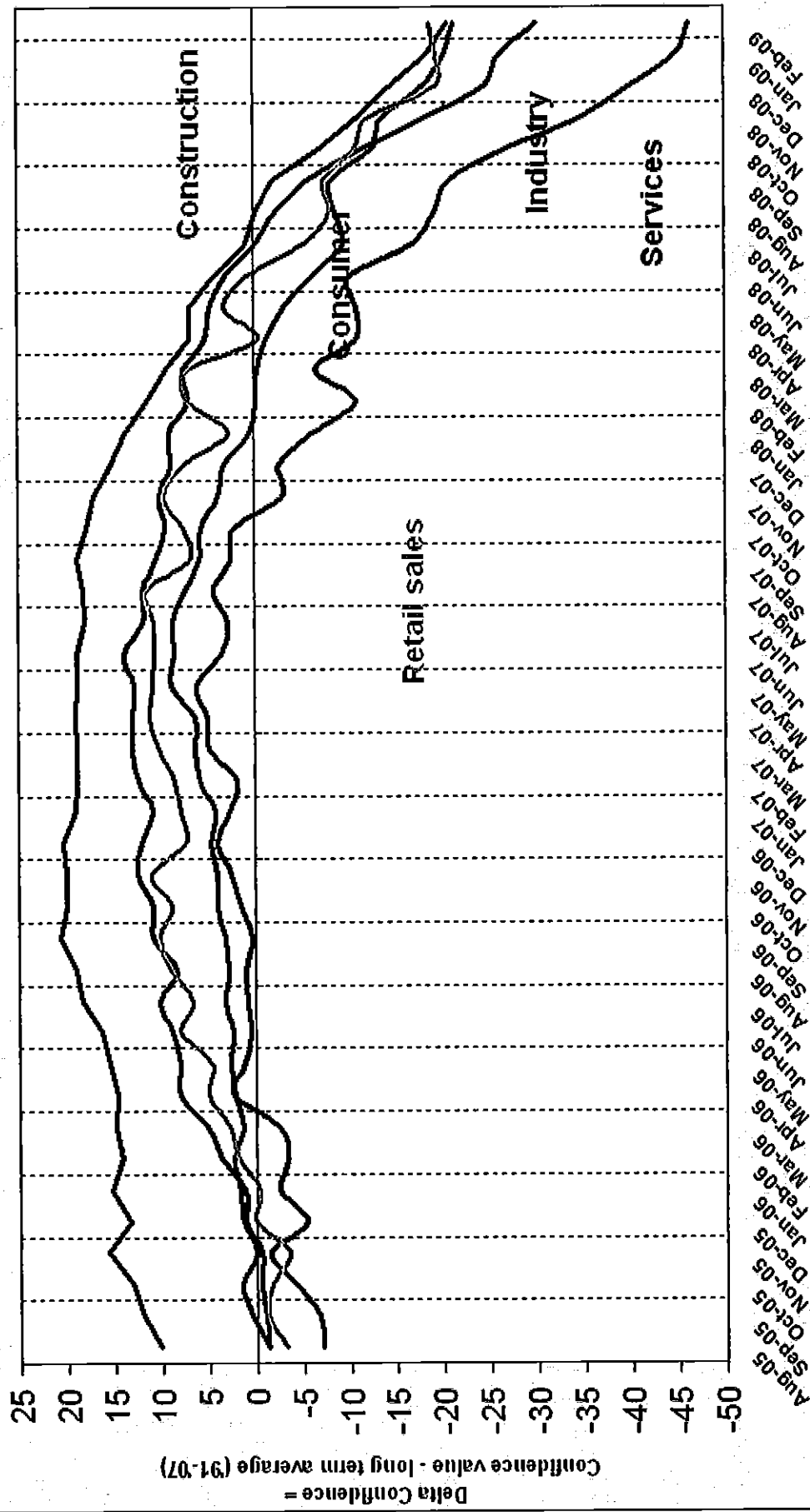


Data source: European Commission, * The Economic sentiment indicator (ESI) is made up as a weighted average of five confidence indicators, industry (40%), services (30%), consumers (20%), construction (5%) and retail trade (5%).

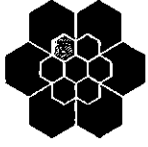
Perception on the EU economic situation broken down by sector



EU Confidence Indicators broken down by sector: 2005-2008

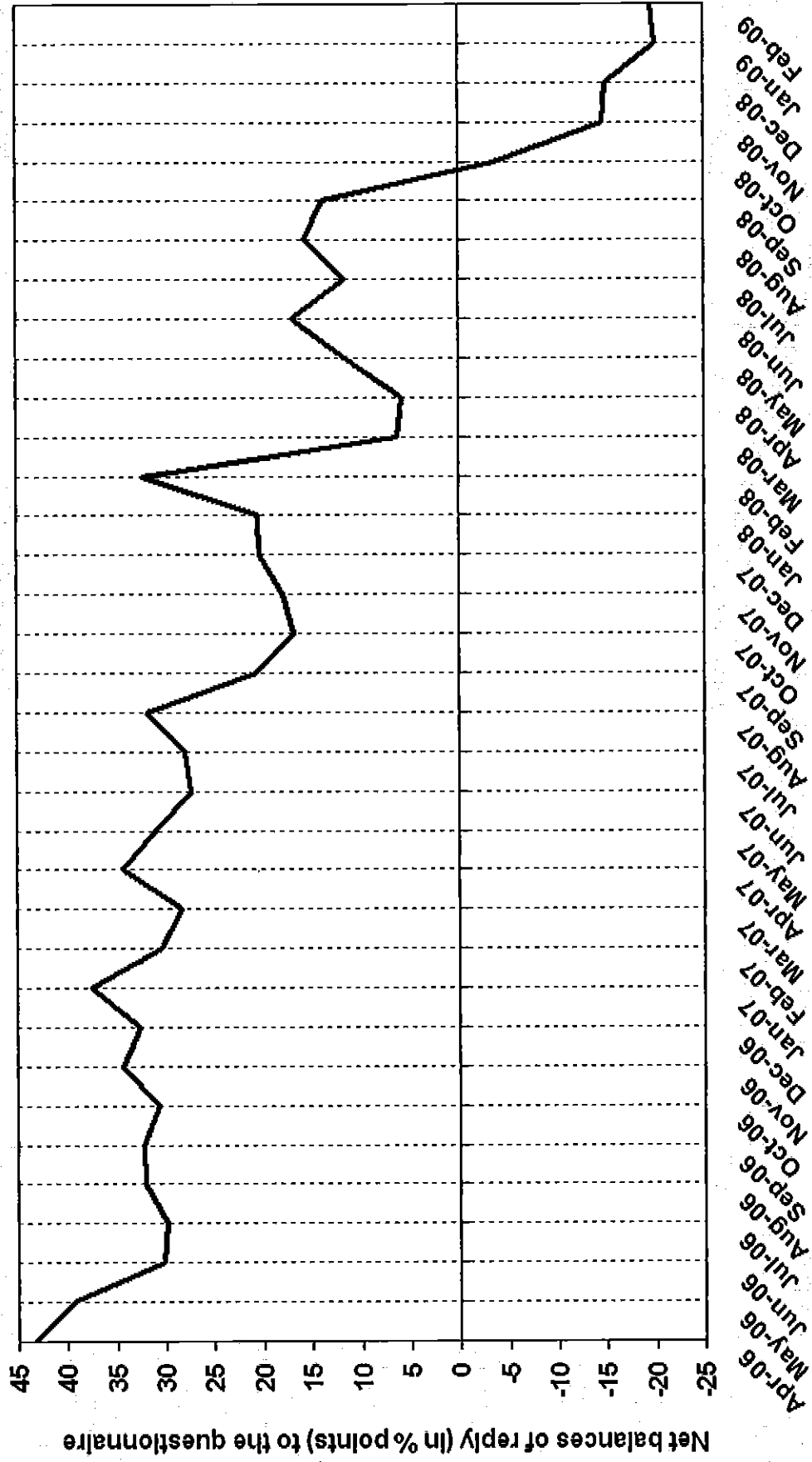


Data source: European Commission: Business and consumer survey. Balances are the difference between positive and negative answering options, measured as percentage points of total answers.

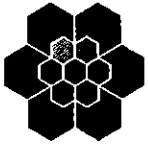


EU financial services: confidence indicator

EU financial services: confidence indicator*



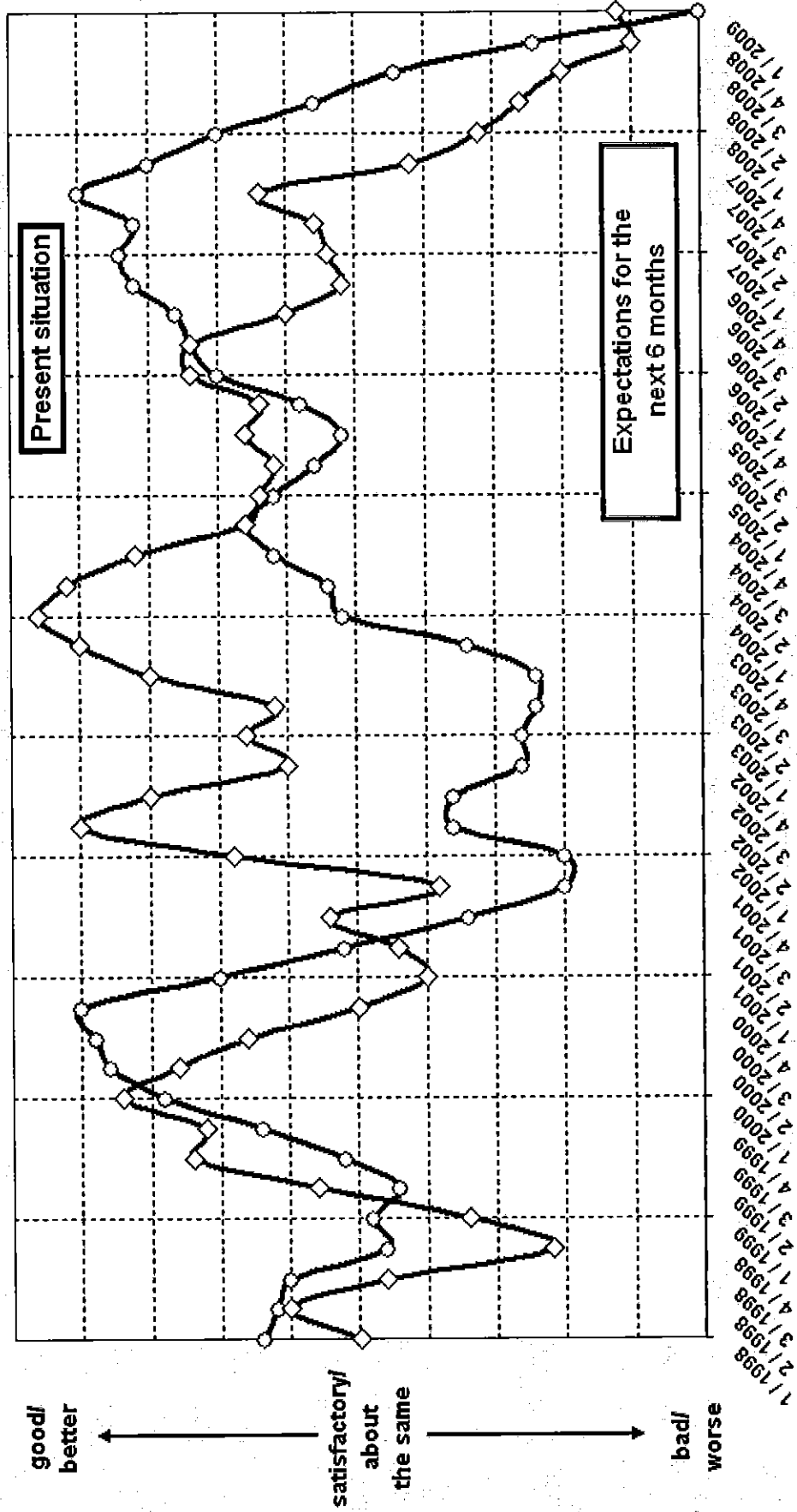
Data source: European Commission, *Confidence indicator is the average of "business situation development over the past 3 months", "evolution of the demand over the past 3 months", and "expectation of the demand over the next 3 months".



A global perspective of the economic climate

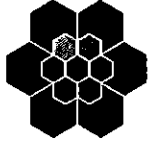


World Economic Climate: Present situation versus expectations

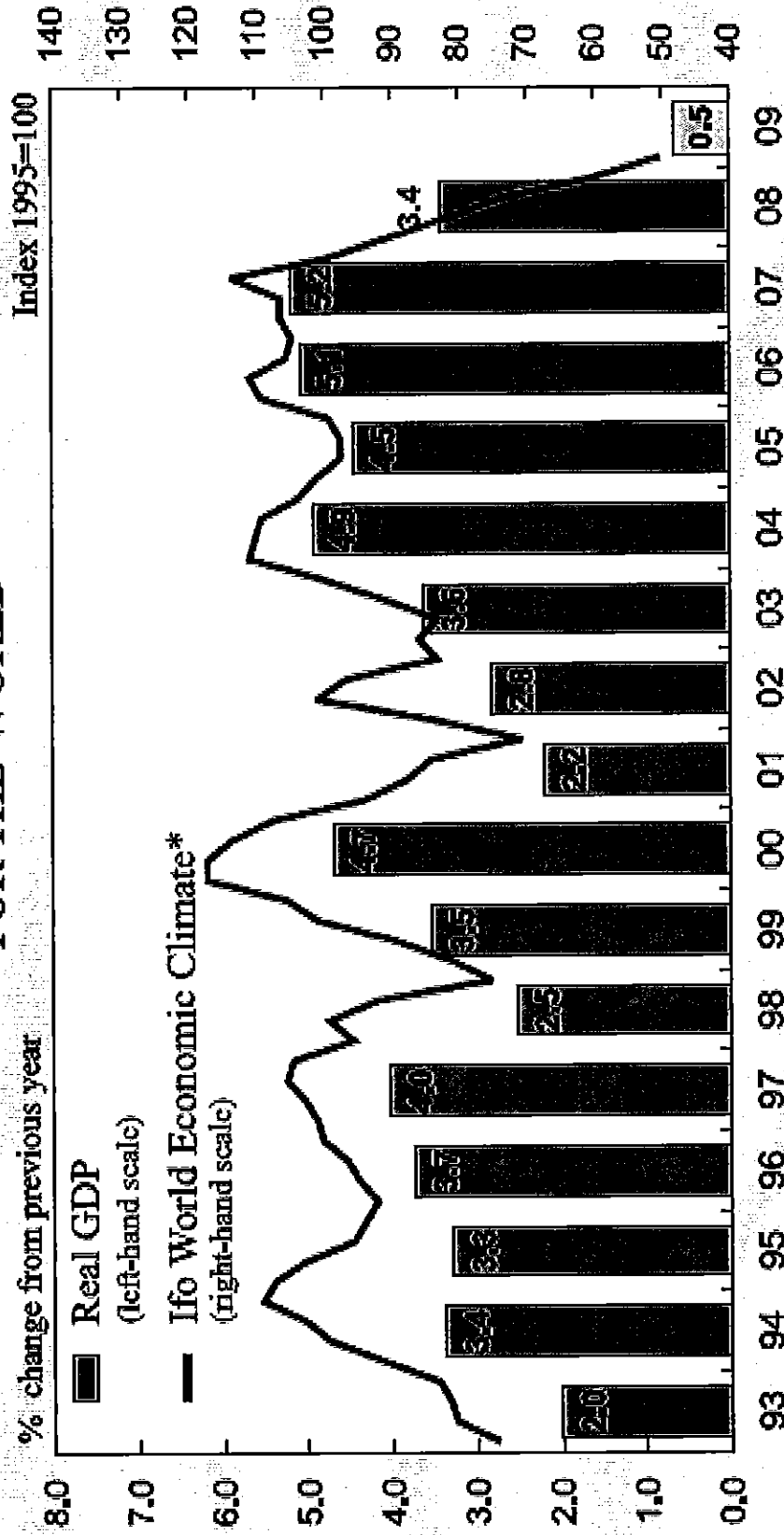


Data source: IFO World Economic Survey. Net balance of replies

World economic growth: 1993-2009



ECONOMIC GROWTH AND IFO ECONOMIC CLIMATE FOR THE WORLD



*). Arithmetic mean of judgement of the present and expected economic situation.

Sources: IMF, World Economic Outlook October 2008; Update January 2009; Ifo World Economic Survey (WES) I/2009.