

EU Economic Recovery Plan

Conversion Economic Impact Economy and Jobs on EU Eurozone (17) Member States

December 31, 2011

European Union (EU) Member State Protocol Order	Country Native English	1 Belgique/België Belgium	2 Deutschland Germany	3 Eesti Estonia	4 Éire/Ireland Ireland	5 Elláda Greece	6 España Spain	7 France France	8 Italia Italy	9 Κύπρος Cyprus	10 Luxembourg Luxembourg	11 Malta Malta	12 Nederland Netherlands	13 Österreich Austria	14 Portugal Portugal	15 Slovenija Slovenia	16 Slovensko Slovakia	17 Suomi/Finland Finland
Economic Indicators (as of 12/31/2011)	EZ (17) Total	BE	DE	EE	IE	EL/GR	ES	FR	IT	CY	LU	MT	NL	AT	PT	SI	SK	FI
GDP 2011 by Country (€ Billions) ¹	€ 9,425.34	€ 369.84	€ 2,592.60	€ 15.95	€ 156.44	€ 215.09	€ 1,063.36	€ 1,996.58	€ 1,580.22	€ 17.76	€ 42.82	€ 6.50	€ 601.97	€ 300.71	€ 170.91	€ 36.17	€ 69.06	€ 189.37
Central Government consolidated total liabilities [F_TOT] (€ Billions) ²	€ 7,123.81	€ 344.02	€ 1,442.71	€ 1.05	€ 164.74	€ 220.19	€ 648.20	€ 1,598.32	€ 1,745.35	€ 20.25	€ 8.59	€ 5.50	€ 402.22	€ 222.51	€ 156.59	€ 18.99	€ 30.87	€ 93.70
Unemployment, 2011-12 [une_nb_m] ³	16,934,000	341,000	2,326,000	79,000	306,000	1,072,000	5,281,000	2,957,000	2,461,000	41,000	13,000	12,000	403,000	182,000	791,000	90,000	387,000	192,000
I. Historical Average (1999-2011)	EZ (17) Total	Belgium	Germany	Estonia	Ireland	Greece	Spain	France	Italy	Cyprus	Luxembourg	Malta	Netherlands	Austria	Portugal	Slovenia	Slovakia	Finland
ECB Capital Key % ⁴	69.9705%	2.4256%	18.9373%	0.1790%	1.1107%	1.9649%	8.3040%	14.2212%	12.4966%	0.1369%	0.1747%	0.0632%	3.9882%	1.9417%	1.7504%	0.3288%	0.6934%	1.2539%
Country % of EZ(17) Capital Key Total ([Country Amt] = [EZ(17) Total] x [Country % of EZ(17) Capital Key Total])	100.0000%	3.47%	27.06%	0.26%	1.59%	2.81%	11.87%	20.32%	17.86%	0.20%	0.25%	0.09%	5.70%	2.78%	2.50%	0.47%	0.99%	1.79%
1. ECB Operations (2011 Actual Net) ⁵	€ 0.44	€ 0.02	€ 0.12	€ 0.00	€ 0.01	€ 0.01	€ 0.05	€ 0.09	€ 0.08	€ 0.00	€ 0.00	€ 0.00	€ 0.02	€ 0.01	€ 0.01	€ 0.00	€ 0.00	€ 0.01
2. New Money (M1) Issued times (1 - reserve requirement) ^{5,d}	€ 217.67	€ 7.55	€ 58.91	€ 0.56	€ 3.46	€ 6.11	€ 25.83	€ 44.24	€ 38.88	€ 0.43	€ 0.54	€ 0.20	€ 12.41	€ 6.04	€ 5.45	€ 1.02	€ 2.16	€ 3.90
Total Annual Intermediation	€ 218.10	€ 7.56	€ 59.03	€ 0.56	€ 3.46	€ 6.12	€ 25.88	€ 44.33	€ 38.95	€ 0.43	€ 0.54	€ 0.20	€ 12.43	€ 6.05	€ 5.46	€ 1.02	€ 2.16	€ 3.91
Intermediation Capitalized ^c	€ 5,452.58	€ 189.02	€ 1,475.72	€ 13.95	€ 86.55	€ 153.12	€ 647.10	€ 1,108.21	€ 973.82	€ 10.67	€ 13.61	€ 4.92	€ 310.79	€ 151.31	€ 136.40	€ 25.62	€ 54.03	€ 97.71
GDP % Improvement ([Annual Intermediation] / [GDP])	2.3%	2.0%	2.3%	3.5%	2.2%	2.8%	2.4%	2.2%	2.5%	2.4%	1.3%	3.0%	2.1%	2.0%	3.2%	2.8%	3.1%	2.1%
Jobs Estimate (assuming €750000 Capitalized Value per Job)	7,270,106	252,026	1,967,632	18,599	115,404	204,158	862,806	1,477,617	1,298,427	14,224	18,152	6,567	414,384	201,747	181,871	34,163	72,046	130,283
II. 2011 Actual	EZ (17) Total	Belgium	Germany	Estonia	Ireland	Greece	Spain	France	Italy	Cyprus	Luxembourg	Malta	Netherlands	Austria	Portugal	Slovenia	Slovakia	Finland
ECB Capital Key % ⁴	69.9705%	2.4256%	18.9373%	0.1790%	1.1107%	1.9649%	8.3040%	14.2212%	12.4966%	0.1369%	0.1747%	0.0632%	3.9882%	1.9417%	1.7504%	0.3288%	0.6934%	1.2539%
Country % of EZ(17) Capital Key Total ([Country Amt] = [EZ(17) Total] x [Country % of EZ(17) Capital Key Total])	100.0000%	3.47%	27.06%	0.26%	1.59%	2.81%	11.87%	20.32%	17.86%	0.20%	0.25%	0.09%	5.70%	2.78%	2.50%	0.47%	0.99%	1.79%
1. ECB Operations (2011 Actual Net) ⁵	€ 0.44	€ 0.02	€ 0.12	€ 0.00	€ 0.01	€ 0.01	€ 0.05	€ 0.09	€ 0.08	€ 0.00	€ 0.00	€ 0.00	€ 0.02	€ 0.01	€ 0.01	€ 0.00	€ 0.00	€ 0.01
2. New Money (M1) Issued times (1 - reserve requirement) ^{5,d}	€ 97.24	€ 3.37	€ 26.32	€ 0.25	€ 1.54	€ 2.73	€ 11.54	€ 19.76	€ 17.37	€ 0.19	€ 0.24	€ 0.09	€ 5.54	€ 2.70	€ 2.43	€ 0.46	€ 0.96	€ 1.74
Total Annual Intermediation	€ 97.68	€ 3.39	€ 26.44	€ 0.25	€ 1.55	€ 2.74	€ 11.59	€ 19.85	€ 17.45	€ 0.19	€ 0.24	€ 0.09	€ 5.57	€ 2.71	€ 2.44	€ 0.46	€ 0.97	€ 1.75
Intermediation Capitalized ^c	€ 2,441.99	€ 84.65	€ 660.92	€ 6.25	€ 38.76	€ 68.58	€ 289.81	€ 496.32	€ 436.13	€ 4.78	€ 6.10	€ 2.21	€ 139.19	€ 67.77	€ 61.09	€ 11.48	€ 24.20	€ 43.76
GDP % Improvement ([Annual Intermediation] / [GDP])	1.0%	0.9%	1.0%	1.6%	1.0%	1.3%	1.1%	1.0%	1.1%	1.1%	0.6%	1.4%	0.9%	0.9%	1.4%	1.3%	1.4%	0.9%
Jobs Estimate (assuming €750000 Capitalized Value per Job)	3,255,986	112,872	881,222	8,330	51,685	91,434	386,416	661,765	581,513	6,370	8,129	2,941	185,586	90,354	81,453	15,300	32,266	58,349
III. Monetary Debt Impact (as of 12/31/2011)^{1,2 Notes}	EZ (17) Total	Belgium	Germany	Estonia	Ireland	Greece	Spain	France	Italy	Cyprus	Luxembourg	Malta	Netherlands	Austria	Portugal	Slovenia	Slovakia	Finland
Bank Note to Gov't to cover fractional reserve deposit cash shortage ⁶	€ 13,076.39	€ 468.80	€ 3,632.99	€ 12.29	€ 250.10	€ 223.69	€ 2,020.72	€ 2,454.35	€ 1,137.71	€ 88.70	€ 455.03	€ 25.52	€ 1,100.30	€ 603.97	€ 253.65	€ 33.52	€ 36.04	€ 279.01
Euro Circulation Currency Conversion (Currency x [%CapKeyTotal]) ⁷	€ 888.68	€ 30.81	€ 240.52	€ 2.27	€ 14.11	€ 24.96	€ 105.47	€ 180.62	€ 158.72	€ 1.74	€ 2.22	€ 0.80	€ 50.65	€ 24.66	€ 22.23	€ 4.18	€ 8.81	€ 15.93
Intermediation Capitalized	€ 13,965.07	€ 499.61	€ 3,873.51	€ 14.56	€ 264.21	€ 248.65	€ 2,126.19	€ 2,634.97	€ 1,296.43	€ 90.44	€ 457.25	€ 26.32	€ 1,150.95	€ 628.63	€ 275.88	€ 37.70	€ 44.85	€ 294.94
GDP % Improvement ([Intermediation Cap'd] x [c-Growth Cap Rate] / [GDP])	5.9%	5.4%	6.0%	3.7%	6.8%	4.6%	8.0%	5.3%	3.3%	20.4%	42.7%	16.2%	7.6%	8.4%	6.5%	4.2%	2.6%	6.2%
Jobs Estimate (assuming €750000 Capitalized Value per Job)	18,620,088	666,143	5,164,677	19,418	352,276	331,528	2,834,916	3,513,293	1,728,568	120,585	609,665	35,097	1,534,604	838,175	367,842	50,261	59,796	393,247
Average GDP % Improvement	3.1%	2.8%	3.1%	2.9%	3.3%	2.9%	3.8%	2.8%	2.3%	7.9%	14.9%	6.9%	3.5%	3.8%	3.7%	2.8%	2.4%	3.1%
Average Jobs Estimate (assuming €750000 Capitalized Value/Job)	9,715,393	343,680	2,671,177	15,449	173,122	209,040	1,361,379	1,884,225	1,202,836	47,060	211,982	14,868	711,524	376,759	210,388	33,242	54,703	193,960
Average Unemployment % Total/Member State Reduction	57.4%	100.8%	114.8%	19.6%	56.6%	19.5%	25.8%	63.7%	48.9%	114.8%	1630.6%	123.9%	176.6%	207.0%	26.6%	36.9%	14.1%	101.0%

Notes

1-It is expected sovereign debt holdings by banks will be credited and retired for use in funding full reserve deposits. The amount of sovereign debt holdings by banks is unknown but should net with reduced

bank loan keeping total benefit to people/nations at about the same level. Bank debt to sovereign governments should have a first lien position at the same market rate based on credit of entire Eurozone.

2-Bank debt from full reserve deposit conversion appears more than sovereign national debt for most countries. Consideration might be given to dividending excess to European citizens depository accounts or funding unfunded government liabilities.

There is no economic reward for monetary leverage from M&M Theorem. (Corollary, risk free rate should be GDP growth rate, not gov't debt rate.)

Assumptions

Million 1,000,000

Billion 1,000,000,000

Trillion 1,000,000,000,000

Capital Value per Job Est. (Adjustable) € 750,000

a-Risk Free Base Rate (r_f) (Attach 7 (a)-Net GDP Productivity Growth Rate '99-'11) 0.6284%

Bank Note Premium over Govt. Debt (Estimated) 0.25%

b-Bank Note Interest Rate Est. (Risk Free GDP Growth Rate(a)+Risk Premium) 0.88%

c-Economic Growth Rate (Est.) for Cap Rate 4.00%

d-Bank Basel II Reserve Requirement (From Attachment 1) 8.00%

Exchange Rate \$1 U.S. Dollar to Euro 12/31/2011 € 0.7717

4-New York Times 7/6/2009 Estimated Job Creation Cost (\$) \$31,169

4-New York Times 7/6/2009 Estimated Job Creation Cost (€) € 24,052

4-New York Times 7-6-2009 article "The Costs of Entrepreneurial Job Creation" at

<http://boss.blogs.nytimes.com/2009/07/06/how-much-does-it-cost-to-create-a-job-by-encouraging-entrepreneurship/>

Sources

1-GDP by country from European Commission eurostat, Gross domestic product at market prices (tec00001) at

<http://epp.eurostat.ec.europa.eu/tgm/table.do?tab=table&init=1&language=en&pcode=tec00001&pluqin=1>

2-Central Government consolidated total liabilities [F_TOT] from Attachment 10(a) EU Eurozone (17) Central Governments

Consolidated Balance Sheets - Before Bank Conversion.

3-Unemployment data from European Commission eurostat, Harmonised unemployment by gender - total (teilm010) at

http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=une_nb_m&lang=en

4-ECB: Eurosystem Capital subscription Euro area national central banks at

<http://www.ecb.int/ecb/orga/capital/html/index.en.html>

5-ECB Operating Cost and M1 increases from Attachment 6 ECB Annual Intermediation Cost 1999 to 2011.

6-Bank Note amounts from Attachment 8(a) Eurozone Banks Consolidated Balance Sheet Estimate from ECB EU Banking Data.

7-Euro Currency in Circulation for Conversion from Attachment 9 Eurosystem Consolidated Balance Sheet Conversion Estimate.

Fractional Reserve Intermediation Cost Est. Impact on Eurozone Jobs			
Intermediation Cost	(A)		(B)
	Annual	Capitalized	Jobs Impact Estimates
Estimation Basis	(€ Billions)	(€ Billions)	= (A)/NYT Est ⁴ = (B)/€750,000
I. Historical Average	€ 218.10	€ 5,452.58	9,067,981 7,270,106
II. 2011 Actual	€ 97.68	€ 2,441.99	4,061,181 3,255,986
III. Monetary Debt Est.	€ 558.60	€ 13,965.07	23,224,780 18,620,088
Average	€ 291.46	€ 7,286.54	12,117,981 9,715,393

The Eurozone fractional reserve monetary system has a 92% (1 - RR) intermediation cost (wealth transfer effect) of new money creation. This is a loss of capital to the other sectors of the economy. Assuming a €750,000 of capital value per job creation, the average €7.286 trillion capitalized cost represents an estimated 9,715,000 private sector jobs. Per NY Times estimate the € 291.5 billion annual cost would be approximately 12,117,000 jobs. These estimates indicate the approximate cost of ECB monetary intermediation is on the order of 10+ million jobs.