

## **A detailed overview of available models**

**A LIST OF MODELS AVAILABLE IN THE MACROECONOMIC MODEL DATA BASE  
(VERSION 2.3, 114 MODELS\* )**

\* There are in total 114 models available, including all model variations such as adaptive learning versions, extended models or re-estimated models.

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1. CALIBRATED MODELS (30 MODELS)		
1.1	NK_AFL15	Angeloni et al. (2015)
1.2	NK_BGG99	Bernanke et al. (1999)
1.3	NK_BGEU10	Blanchard and Gali (2010) Calibrated for the European labor market
	NK_BGUS10	Blanchard and Gali (2010) Calibrated for the U.S. labor market
1.4	NK_CFP10	Carlstrom et al. (2010)
1.5	NK_CGG99	Clarida et al. (1999)
1.6	NK_CGG02	Clarida et al. (2002)
1.7	NK_CK08	Christoffel and Kuester (2008)
1.8	NK_CKL09	Christoffel et al. (2009)
1.9	NK_CW09	Curdia and Woodford (2009)
1.10	NK_ET14	Ellison and Tischbirek (2014)
1.11	NK_GM05	Gali and Monacelli (2005)
1.12	NK_GM07	Goodfriend and McCallum (2007)
1.13	NK_GK11	Gertler and Karadi (2011)
	NK_GK09lin	linear model based on the working paper of Gertler and Karadi (2011)
1.14	NK_GK13	Gertler and Karadi (2013)
1.15	NK_GLSV07	Galí et al. (2007)
1.16	NK_IR04	Ireland (2004)
1.17	NK_KRS12	Kannan et al. (2012)
1.18	NK_KW16	Kirchner and van Wijnbergen (2016)
1.19	NK_LWW03	Levin et al. (2003)
1.20	NK_MCN99cr	McCallum and Nelson (1999), (Calvo-Rotemberg model)
1.21	NK_MM10	Meh and Moran (2010)
1.22	NK_MPT10	Monacelli et al. (2010)
1.23	NK_NS14	Nakamura and Steinsson (2014)
1.24	NK_PP17	Paoli and Paustian (2017)
1.25	NK_PSV16	Pancrazi et al. (2016)
1.26	NK_RA16	Rannenberg (2016)
1.27	NK_RW06	Ravenna and Walsh (2006)
1.28	NK_RW97	Rotemberg and Woodford (1997)
1.29	NK_ST13	Stracca (2013)
1.30	RBC_DTT11	De Fiore et al. (2011)
2. ESTIMATED US MODELS (33 MODELS)		
2.1	US_ACELM	Altig et al. (2005), (monetary policy shock)
	US_ACELt	Altig et al. (2005), (technology shocks)
	US_ACELswm	no cost channel as in Taylor and Wieland (2011) (mon. pol. shock)
	US_ACELswt	no cost channel as in Taylor and Wieland (2011) (tech. shocks)
2.2	US_AJ16	Ajello (2016)
2.3	US_CCTW10	Smets and Wouters (2007) model with rule-of-thumb consumers, estimated by Cogan et al. (2010)
2.4	US_CD08	Christensen and Dib (2008)
2.5	US_CFOP14	Carlstrom et al. (2014)
2.6	US_CFP17exo	Carlstrom et al. (2017) - exogenous level of long-term debt
	US_CFP17endo	Carlstrom et al. (2017) - endogenous level of long-term debt

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2. ESTIMATED US MODELS (CONTINUED)		
2.7	US_CM10	Christiano et al. (2010)
	US_CM10fa	Christiano et al. (2010) - small version with financial accelerator
2.8	US_CM14 **	Christiano et al. (2014)
	US_CM14noFA **	Christiano et al. (2014)-Version without financial frictions
2.9	US_CPS10	Cogley et al. (2010)
2.10	US_DG08	De Graeve (2008)
2.11	US_DNGS15	Del Negro et al. (2015)
	US_DNGS15_SW	Del Negro et al. (2015) w/o financial frictions
	US_DNGS15_SWpi	Del Negro et al. (2015) w/o financial frictions and time-varying inflation target
	US_DNGS15_SWSP	Del Negro et al. (2015) reestimation of Smets and Wouters (2007) with longer time-series
2.12	US_FGKR15	Fernández-Villaverde et al. (2015)
2.13	US_FM95	Fuhrer and Moore (1995)
2.14	US_FMS13	Fève et al. (2013)
2.15	US_FRB03	Federal Reserve Board model linearized as in Levin et al. (2003)
2.16	US_FRB08	linearized by Brayton and Laubach (2008)
	US_FRB08mx	linearized by Brayton and Laubach (2008), (mixed expectations)
2.17	US_FV10	Fernández-Villaverde (2010)
2.18	US_FV15	Fernández-Villaverde et al. (2015)
2.19	US_IAC05	Iacoviello (2005)
2.20	US_IN10	Iacoviello and Neri (2010)
2.21	US_IR11	Ireland (2011)
2.22	US_IR15	Ireland (2015)
2.23	US_JPT11	Justiniano et al. (2011)
2.24	US_LWY13	Leeper et al. (2013)
2.25	US_MR07	Mankiw and Reis (2007)
2.26	US_OW98	Orphanides and Wieland (1998) equivalent to MSR model in Levin et al. (2003)
2.27	US_OR03	Orphanides (2003)
2.28	US_PM08	IMF projection model US, Carabenciov et al. (2008)
	US_PM08fl	IMF projection model US (financial linkages),Carabenciov et al. (2008)
2.29	US_RA07	Rabanal (2007)
2.30	US_RE09	Reis (2009)
2.31	US_RS99	Rudebusch and Svensson (1999)
2.32	US_SW07	Smets and Wouters (2007)
2.33	US_VMDno	Verona, Martins and Drumond (Verona et al. (2013)) - Normal times
	US_VMDop	Verona, Martins and Drumond (Verona et al. (2013)) - Optimistic times
3. ESTIMATED EURO AREA MODELS (10 MODELS)		
3.1	EA_AWM05	ECB's area-wide model linearized as in Dieppe et al. (2005)
	EA_CKL09	Christoffel et al. (2009)

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3. ESTIMATED EURO AREA MODELS (CONTINUED)		
3.2	EA_CW05ta	Coenen and Wieland (2005), (Taylor-staggered contracts)
	EA_CW05fm	Coenen and Wieland (2005), (Fuhrer-Moore-staggered contracts)
3.3	EA_DKR11	Darracq Paries et al. (2011)
3.4	EA_GE10	Gelain (2010)
3.5	EA_GNSS10	Gerali et al. (2010)
3.6	EA_PV15	Poutineau and Vermandel (2015)
3.7	EA_SR07	Sveriges Riksbank euro area model of Adolfson et al. (2007)
3.8	EA_SW03	Smets and Wouters (2003)
3.9	EA_QR14 **	Quint and Rabanal (2014)
3.10	EA_QUEST3	QUEST III Euro Area Model of the DG-ECFIN EU, Ratto et al. (2009)
4. ESTIMATED/CALIBRATED MULTI-COUNTRY MODELS (8 MODELS)		
4.1	G2_SIGMA08	The Federal Reserve's SIGMA model from Erceg et al. (2008) calibrated to the U.S. economy and a symmetric twin.
4.2	G3_CW03	Coenen and Wieland (2002) model of USA, Euro Area and Japan
4.3	G7_TAY93	Taylor (1993) model of G7 economies
4.4	GPM6_IMF13	IMF global projection model with 6 regions Carabenciov et al. (2013)
4.5	EACZ_GEM03	Laxton and Pesenti (2003) model calibrated to Euro Area and Czech republic
4.6	EAES_RA09	Rabanal (2009)
4.7	EAUS_NAWM08	Coenen et al. (2008), New Area Wide model of Euro Area and USA
4.8	EAUS_NAWMctww	Cogan et al. (2013)
5. ESTIMATED MODELS OF OTHER COUNTRIES (6 MODELS)		
5.1	BRA_SAMBA08	Gouvea et al. (2008), model of the Brazilian economy
5.2	CA_BMZ12	Bailliu et al. (2012)
5.3	CA_LS07	Lubik and Schorfheide (2007), small-scale open-economy model of the Canadian economy
5.4	CL_MS07	Medina and Soto (2007), model of the Chilean economy
5.5	HK_FPP11	Funke et al. (2011), open-economy model of the Hong Kong economy
5.6	HK_FP13	Funke and Paetz (2013), open-economy model of the Hong Kong economy
6. ADAPTIVE LEARNING MODELS (11 MODELS)		
6.1	NK_BGG99AL	Adaptive learning version of Bernanke et al. (1999)
6.2	NK_CGG99AL	Adaptive learning version of Clarida et al. (1999)
6.3	NK_CGG02AL	Adaptive learning version of Clarida et al. (2002)
6.4	NK_IR04AL	Adaptive learning version of Ireland (2004)
6.5	NK_LWW03AL	Adaptive learning version of Levin et al. (2003)
6.6	NK_RW97AL	Adaptive learning version of Rotemberg and Woodford (1997)
6.7	NK_RW06AL	Adaptive learning version of Ravenna and Walsh (2006)
6.8	US_FM95AL	Adaptive learning version of Fuhrer and Moore (1995)
6.9	US_MI07AL	Milani (2007)
6.10	US_SW07AL	Slobodyan and Wouters (2012)
6.11	US_YR13AL	Rychalovska (2016)

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## References

- Adolfson, M., Laseen, S., Linde, J., Villani, M., 2007. Bayesian estimation of an open economy DSGE model with incomplete pass-through. *Journal of International Economics* 72, 481–511.
- Ajello, A., 2016. Financial intermediation, investment dynamics, and business cycle fluctuations. *American Economic Review* 106 (8), 2256–2303.
- Altig, D. E., Christiano, L. J., Eichenbaum, M., Linde, J., 2005. Firm-specific capital, nominal rigidities and the business cycle, cEPR Discussion Papers 4858.
- Angeloni, I., Faia, E., Lo Duca, M., 2015. Monetary policy and risk taking. *Journal of Economic Dynamics & Control* 52, 285–307.
- Bailliu, J., Meh, C., Zhang, Y., February 2012. Macroprudential rules and monetary policy when financial frictions matter. Bank of Canada Working Paper 2012-6.
- Bernanke, B., Gertler, M., Gilchrist, S., 1999. The financial accelerator in a quantitative business cycles framework. In: Taylor, J. B., Woodford, M. (Eds.), *Handbook of Macroeconomics Volume 1C*. Amsterdam: Elsevier Science, North-Holland.
- Blanchard, O., Gali, J., 4 2010. Labor markets and monetary policy: A new keynesian model with unemployment. *American Economic Journal: Macroeconomics* 2 (2), 1–30.
- Brayton, F., Laubach, T., 2008. Documentation of linearized FRB/US.
- Carabenciov, I., Ermolaev, I., Freedman, C., Juillard, M., Kamenik, O., Korshunov, D., Laxton, D., Sep 2008. A small quarterly projection model of the US economy, IMF Working Paper 08/278.
- Carabenciov, I., Freedman, C., Garcia-Saltos, R., Laxton, D., Kamenik, O., Manchev, P., April 2013. Gpm6 - the global projection model with 6 regions. IMF Working Paper 13/87.
- Carlstrom, C. T., Fuerst, T. S., Ortiz, A., Paustian, M., 2014. Estimating contract indexation in a financial accelerator model. *Journal of Economic Dynamics & Control* 46, 130–194.
- Carlstrom, C. T., Fuerst, T. S., Paustian, M., 2010. Optimal monetary policy in a model with agency costs. *Journal of Money, credit and Banking* 42 (s1), 37–70.
- Carlstrom, C. T., Fuerst, T. S., Paustian, M., 2017. Targeting long rates in a model with segmented markets. *American Economic Journal: Macroeconomics* 9 (1), 205–42.
- Christensen, I., Dib, A., 2008. The financial accelerator in an estimated New Keynesian model. *Review of Economic Dynamics* 11, 155–178.
- Christiano, L., Motto, R., Rostagno, M., May 2010. Financial factors in economic fluctuations. Working Paper Series 1192, European Central Bank.  
URL <http://ideas.repec.org/p/ecb/ecbwp/20101192.html>
- Christiano, L. J., Motto, R., Rostagno, M., 2014. Risk shocks. *American Economic Review* 104 (1), 27–65.
- Christoffel, K., Kuester, K., 2008. Resuscitating the wage channel in models with unemployment fluctuations. *Journal of Monetary Economics* 55, 865–887.
- Christoffel, K., Kuester, K., Linzert, T., 2009. The role of labor markets for euro area monetary policy. *European Economic Review* 53, 908–936.
- Clarida, R., Gali, J., Gertler, M., 1999. The science of monetary policy: A New Keynesian perspective. *Journal of Economic Literature* 37(4), 1661–1707.
- Clarida, R., Gali, J., Gertler, M., 2002. A simple framework for international monetary policy analysis. *Journal of Monetary Economics* 49, 879–904.
- Coenen, G., McAdam, P., Straub, R., 2008. Tax reform and labour-market performance in the euro area: A simulation-based analysis using the New Area-Wide Model. *Journal of Economic Dynamics & Control* 32(8), 2543–2583.
- Coenen, G., Wieland, V., 2002. Inflation dynamics and international linkages: A model of the United States, the Euro Area and Japan, eCB Working Paper Series 181.
- Coenen, G., Wieland, V., 2005. A small estimated euro area model with rational expectations and nominal rigidities. *European Economic Review* 49, 1081–1104.
- Cogan, J., Cwik, T., Taylor, J., Wieland, V., 2010. New keynesian versus old keynesian government spending multipliers. *Journal of Economic Dynamics and Control* 34, 281–295.

- Cogan, J., Taylor, J., Wieland, V., Wolters, M., 2013. Fiscal consolidation strategy. *Journal of Economic Dynamics and Control* 37, 404–421.
- Cogley, T., Primiceri, G. E., Sargent, T. J., 2010. Inflation-gap persistence in the us. *American Economic Journal: Macroeconomics* 2, 43–66.
- Curdia, V., Woodford, M., March 2009. Credit frictions and optimal monetary policy. BIS Working Paper No 278.
- Darracq Paries, M., Kokk Sorensen, C., Rodriguez-Palenzuela, D., 12 2011. Macroeconomic propagation under different regulatory regimes: Evidence from an estimated dsge model for the euro area. *International Journal of Central Banking* 7 (4).
- De Fiore, F., Teles, P., Tristani, O., 10 2011. Monetary policy and the financing of firms. *American Economic Journal: Macroeconomics* 3 (4), 112–142.
- De Graeve, F., 2008. The external finance premium and the macroeconomy: US post-WWII evidence. *Journal of Economic Dynamics and Control* 32, 3415–3440.
- Del Negro, M., Giannoni, M. P., Schorfheide, F., 2015. Inflation in the great recession and new keynesian models. *American Economic Journal: Macroeconomics* 7 (1), 168–96.
- Dieppe, A., Kuester, K., McAdam, P., 2005. Optimal monetary policy rules for the euro area: An analysis using the area wide model. *Journal of Common Market Studies* 43 (3), 507–5372.
- Ellison, M., Tischbirek, A., April 2014. Unconventional government debt purchases as a supplement to conventional monetary policy. *Journal of Economic Dynamics and Control* 43, 199 – 217.
- Ercog, C. J., Guerrieri, L., Gust, C., 2008. Trade adjustment and the composition of trade. *Journal of Economic Dynamics & Control* 32, 2622–2650.
- Fernández-Villaverde, J., 2010. The econometrics of dsge models. *SERIEs* 1 (1-2), 3–49.
- Fernández-Villaverde, J., Guerrón-Quintana, P., Kuester, K., Rubio-Ramírez, J., 2015. Fiscal volatility shocks and economic activity. *American Economic Review* 105(11), 3352–3384.
- Fernández-Villaverde, J., Guerrón-Quintana, P., Rubio-Ramírez, J. F., 2015. Estimating dynamic equilibrium models with stochastic volatility. *Journal of Econometrics* 185 (1), 216–229.
- Fève, P., Matheron, J., Sahuc, J.-G., 2013. A pitfall with estimated dsge-based government spending multipliers. *American Economic Journal: Macroeconomics* 4, 141–178.
- Fuhrer, J. C., Moore, G., 1995. Inflation persistence. *The Quarterly Journal of Economics* 110(1), 127–159.
- Funke, M., Paetz, M., 2013. Housing prices and the business cycle: An empirical application to hong kong. *Journal of Housing Economics* 22 (1), 62–76.
- Funke, M., Paetz, M., Pytlarczyk, E., 2011. Stock market wealth effects in an estimated DSGE model for Hong Kong. *Economic Modelling* 28, 316–334.
- Galf, J., López-Salido, J. D., Vallés, J., 2007. Understanding the effects of government spending on consumption. *Journal of the European Economic Association* 5 (1), 227–270.
- Gali, J., Monacelli, T., 2005. Monetary policy and exchange rate volatility in a small open economy. *Review of Economic Studies* 72, 707–734.
- Gelain, P., 2010. The external finance premium in the euro area: A dynamic stochastic general equilibrium analysis. *North American Journal of Economics and Finance* 21, 49–71.
- Gerali, A., Neri, S., Sessa, L., Signoretti, F. M., 09 2010. Credit and banking in a dsge model of the euro area. *Journal of Money, Credit and Banking* 42 (s1), 107–141.  
URL <http://ideas.repec.org/a/mcb/jmoncb/v42y2010is1p107-141.html>
- Gertler, M., Karadi, P., January 2011. A model of unconventional monetary policy. *Journal of Monetary Economics* 58 (1), 17–34.
- Gertler, M., Karadi, P., January 2013. Qe 1 vs. 2 vs. 3. . . : A framework for analyzing large-scale asset purchases as a monetary policy tool. *International Journal of Central Banking* 9 (1).
- Goodfriend, M., McCallum, B. T., 2007. Banking and interest rates in monetary policy analysis: A quantitative exploration. *Journal of Monetary Economics* 54 (5), 1480–1507.
- Gouvea, S., Minella, A., Santos, R., Souza-Sobrinho, N., 2008. Samba: Stochastic analytical model with a bayesian approach, manuscript.
- Iacoviello, M., 2005. House prices, borrowing constraints, and monetary policy in the business cycle. *The American*

- Economic Review 95(3), 739–764.
- Iacoviello, M., Neri, S., April 2010. Housing market spillovers: Evidence from an estimated dsge model. *American Economic Journal: Macroeconomics* 2 (2), 125–64.
- Ireland, P., 2004. Money’s role in the monetary business cycle. *Journal of Money, Credit and Banking* 36(6), 969–983.
- Ireland, P., 2011. A New Keynesian perspective on the Great Recession. *Journal of Money, Credit and Banking* 43(1), 31–54.
- Ireland, P. N., 2015. Monetary policy, bond risk premia, and the economy. *Journal of Monetary Economics* 76, 124–140.
- Justiniano, A., Primiceri, G. E., Tambalotti, A., 2011. Investment shocks and the relative price of investment. *Review of Economic Dynamics* 14, 102–121.
- Kannan, P., Rabanal, P., Scott, A. M., 2012. Monetary and macroprudential policy rules in a model with house price booms. *The B.E. Journal of Macroeconomics* 12 (1), 16.
- Kirchner, M., van Wijnbergen, S., 2016. Fiscal deficits, financial fragility, and the effectiveness of government policies. *Journal of Monetary Economics* 80, 51–68.
- Laxton, D., Pesenti, P., 2003. Monetary rule for small, open, emerging economies. *Journal of Monetary Economics* 50, 1109–1146.
- Leeper, E. M., Walker, T. B., Yang, S.-C. S., 2013. Fiscal foresight and information flows. *Econometrica* 81 (3), 1115–1145.
- Levin, A., Wieland, V., Williams, J. C., 2003. The performance of forecast-based monetary policy rules under model uncertainty. *The American Economic Review* 93(3), 622–645.
- Lubik, T. A., Schorfheide, F., 2007. Do central banks respond to exchange rate movements? a structural investigation. *Journal of Monetary Economics* 54, 1069–1087.
- Mankiw, N. G., Reis, R., 2007. Sticky information in general equilibrium. *Journal of the European Economic Association* 5(2-3), 603–613.
- McCallum, B., Nelson, E., 1999. Performance of operational policy rules in an estimated semi-classical structural model. In: Taylor, J. B. (Ed.), *Monetary Policy Rules*. Chicago: University of Chicago Press.
- Medina, J. P., Soto, C., 2007. The Chilean business cycles through the lens of a stochastic general equilibrium model, central Bank of Chile Working Papers 457.
- Meh, C. A., Moran, K., March 2010. The role of bank capital in the propagation of shocks. *Journal of Economic Dynamics and Control* 34 (3), 555–576.
- Milani, F., 2007. Expectations, learning and macroeconomic persistence. *Journal of Monetary Economics* 54 (7), 2065–2082.  
URL <http://www.sciencedirect.com/science/article/pii/S0304393206002406>
- Monacelli, T., Perotti, R., Trigari, A., 2010. Unemployment fiscal multipliers. *Journal of Monetary Economics* 57 (5), 531–553.
- Nakamura, E., Steinsson, J., 2014. Fiscal stimulus in a monetary union: Evidence from us regions. *American Economic Review* 4, 753–792.
- Orphanides, A., July 2003. The quest for prosperity without inflation. *Journal of Monetary Economics* 50, 633–663.
- Orphanides, A., Wieland, V., 1998. Price stability and monetary policy effectiveness when nominal interest rates are bounded at zero, finance and Economics Discussion Series 98-35, Board of Governors of the Federal Reserve System.
- Pancrazi, R., Seoane, H. D., Vukotic, M., 2016. The price of capital and the financial accelerator. *Economics Letters* 149, 86–89.
- Paoli, B. d., Paustian, M., 2017. Coordinating monetary and macroprudential policies. *Journal of Money, Credit and Banking* 49 (2-3), 319–349.
- Poutineau, J.-C., Vermandel, G., 2015. Cross-border banking flows spillovers in the eurozone: Evidence from an estimated dsge model. *Journal of Economic Dynamics and Control* 51, 378–403.
- Quint, D., Rabanal, P., June 2014. Monetary and Macroprudential Policy in an Estimated DSGE Model of the Euro Area. *International Journal of Central Banking, International Journal of Central Banking* 10 (2), 169–236.
- Rabanal, P., 2007. Does inflation increase after a monetary policy tightening? answers based on a estimated DSGE model. *Journal of Economic Dynamics & Control* 31, 906–937.

- Rabanal, P., 2009. Inflation differentials between Spain and the EMU: A DSGE perspective. *Journal of Money, Credit and Banking* 41(6), 1141–1166.
- Rannenberg, A., 2016. Bank leverage cycles and the external finance premium. *Journal of Money, Credit and Banking* 48 (8), 1569–1612.
- Ratto, M., Roeger, W., in 't Veld, J., 2009. QUEST III: An estimated open-economy DSGE model of the euro area with fiscal and monetary policy. *Economic Modelling* 26(1), 222–233.
- Ravenna, F., Walsh, C. E., 2006. Optimal monetary policy with the cost channel. *Journal of Monetary Economics* 53(2), 199–216.
- Reis, R., 2009. A sticky-information general-equilibrium model for policy analysis. Tech. rep., National Bureau of Economic Research.
- Rotemberg, J. J., Woodford, M., 1997. An optimization-based econometric framework for the evaluation of monetary policy. *NBER Macroeconomics Annual* 12, 297–346.
- Rudebusch, G. D., Svensson, L. E. O., 1999. Policy rules for inflation targeting. In: Taylor, J. B. (Ed.), *Monetary Policy Rules*. Chicago: University of Chicago Press.
- Rychalovska, Y., 2016. The implications of financial frictions and imperfect knowledge in the estimated dsge model of the u.s. economy. *Journal of Economic Dynamics and Control* 73, 259 – 282.  
URL <http://www.sciencedirect.com/science/article/pii/S0165188916301567>
- Slobodyan, S., Wouters, R., 2012. Learning in an estimated medium-scale DSGE model. *Journal of Economic Dynamics and Control* 36 (1), 26–46.  
URL <https://ideas.repec.org/a/eee/dyncon/v36y2012i1p26-46.html>
- Smets, F., Wouters, R., 2003. An estimated dynamic stochastic general equilibrium model of the euro area. *Journal of the European Economic Association* 1 (5), 1123–1175.
- Smets, F., Wouters, R., 2007. Shocks and frictions in US business cycles: A bayesian DSGE approach. *The American Economic Review* 97(3), 586–606.
- Stracca, L., 2013. Inside money in general equilibrium: Does it matter for monetary policy? *Macroeconomic Dynamics* 17 (3), 563–590.
- Taylor, J. B., 1993. *Macroeconomic Policy in a World Economy*. W.W. Norton, New York, online Edition available on: <http://www.stanford.edu/johntayl/MacroPolicyWorld.htm>.
- Taylor, J. B., Wieland, V., 2011. Surprising comparative properties of monetary models: Results from a new data base. *Review of Economics and Statistics* forthcoming.
- Verona, F., Martins, M. M. F., Drumond, I., September 2013. (un)anticipated monetary policy in a dsge model with a shadow banking system. *International Journal of Central Banking* 9 (3), 78–124.