

---

# The Firm-level Datasets of the EBDC

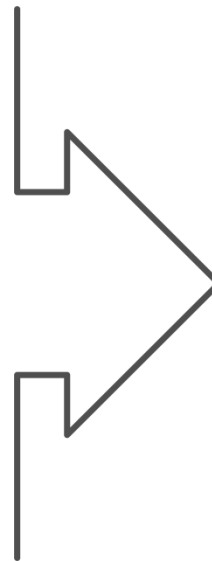
*RatSWD-Session at the VfS Annual Conference 2017*  
*Sebastian Wichert and Shuyao Yang*  
*September 6<sup>th</sup>, 2017*



# Economics & Business Data Center

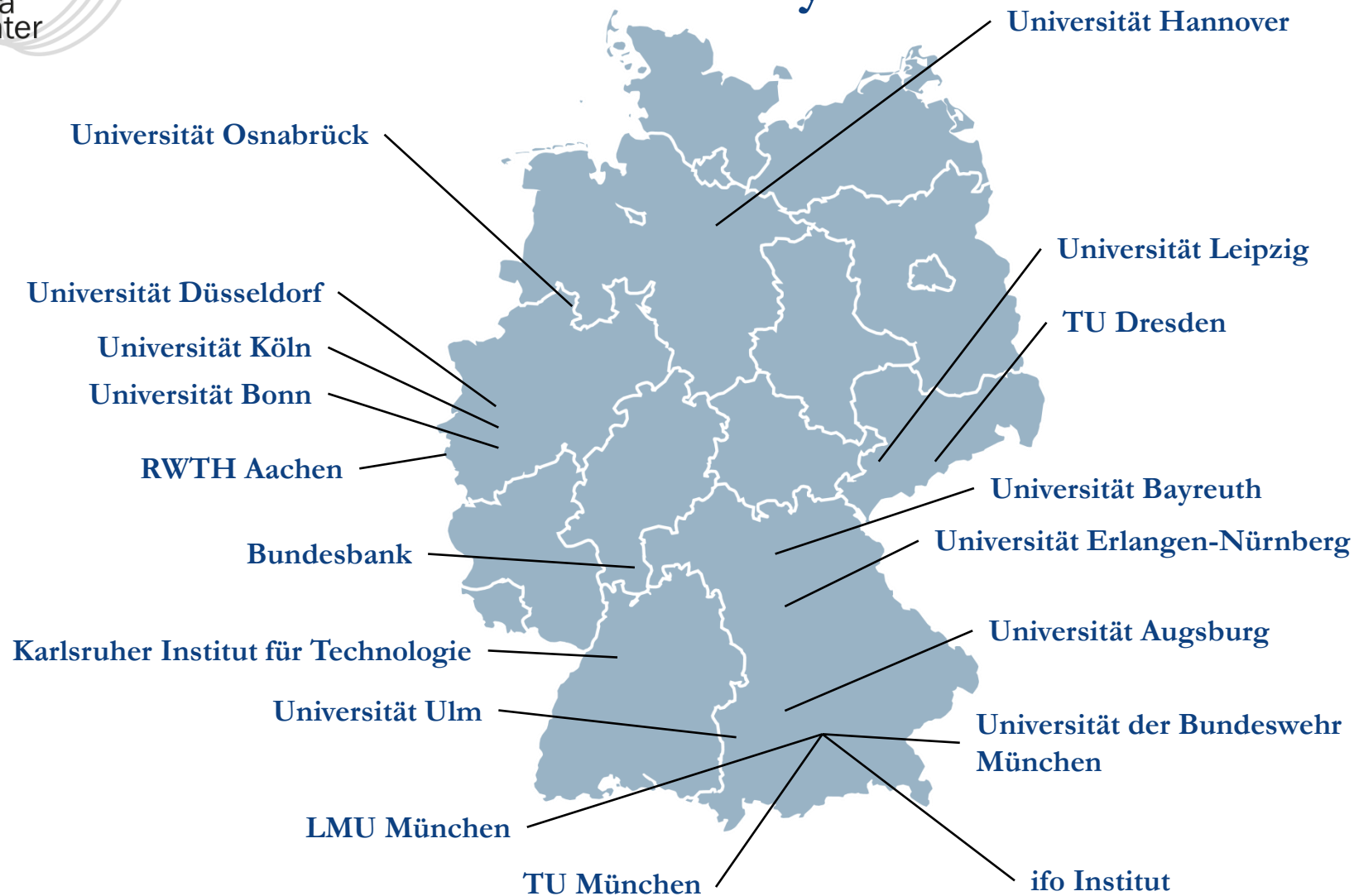
**ifo** INSTITUTE

Leibniz Institute for Economic Research  
at the University of Munich

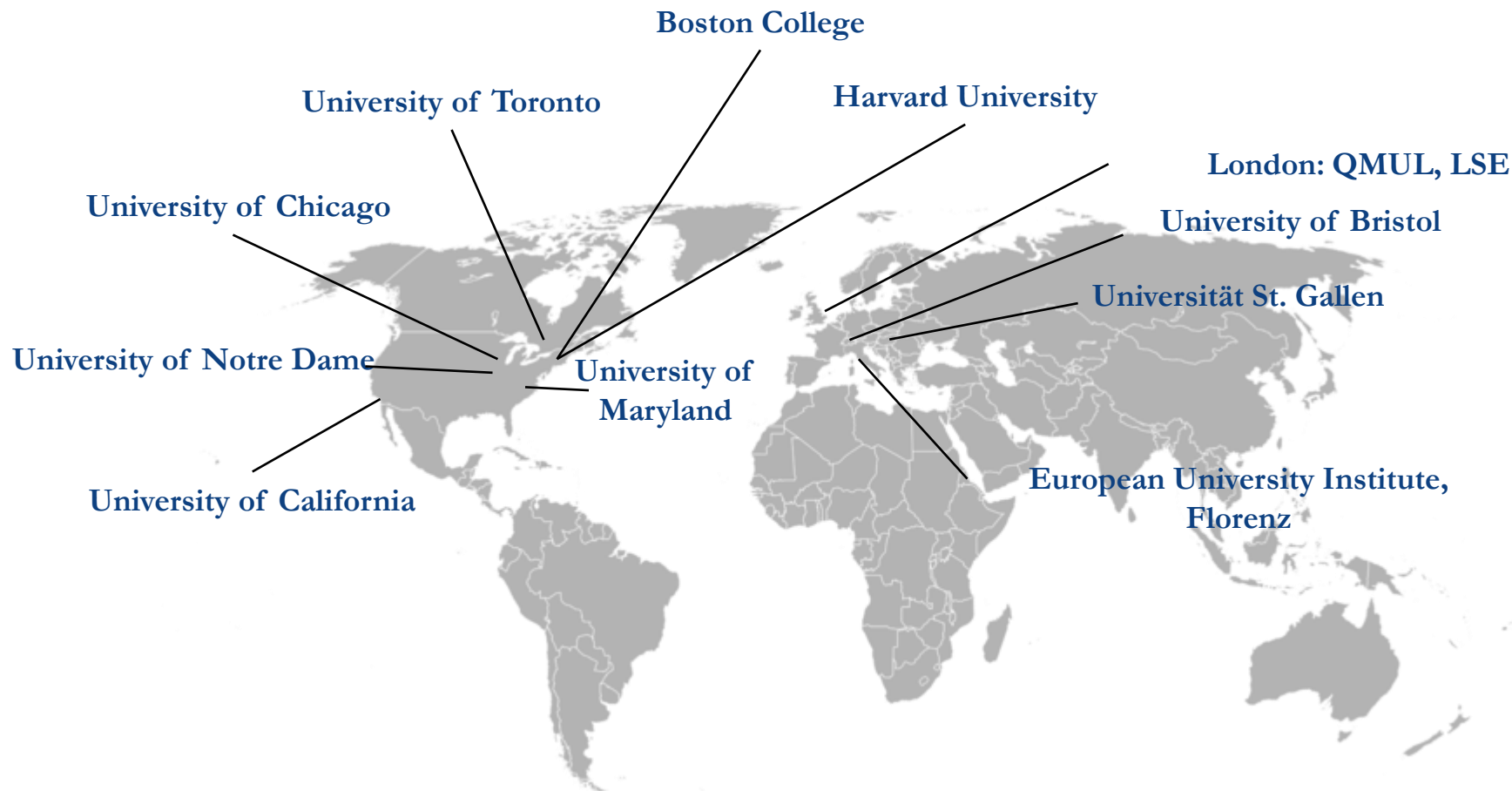


LMU-ifo  
**E**conomics &  
**B**usiness  
**D**ata  
**C**enter

# Researchers in Germany

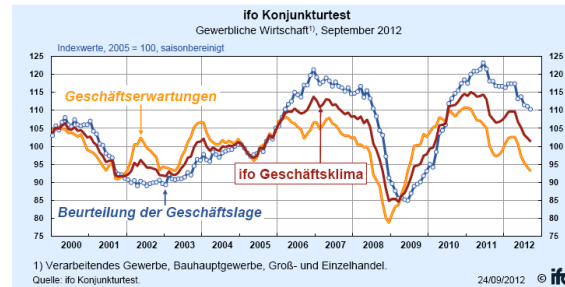


# Researchers Over the World



# Empirical Data Sets from EBDC

- ifo Micro data



# ifo Micro Data



# ifo Micro Data

Business Survey	Investment Survey	Innovation Survey
<p><b>Business situation</b> (Present/future)</p> <p><b>Demand</b></p> <p><b>Stock</b></p> <p><b>Capacity utilizations</b></p> <p><b>Sales</b></p> <p><b>Obstacles by</b> (weather, labor shortage, means of production, material, financial constraint)</p> <p><b>Development of the production activities or prices</b></p> <p><b>Employment</b></p> <p><b>Minimal wage impact on the business</b></p>	<p><b>Types of investments</b></p> <p><b>Structure of Investments</b></p> <p><b>Goals of Investments</b></p> <p><b>Type of Financing</b> development, financing situation, technical development, ownership structure )</p> <p><b>Influence of investment activity</b> (capacity utilization, business development, financing situation, technical development, ownership structure )</p> <p><b>Innovation in investment activity</b></p> <p><b>Investment in “New Lands”/ in Central and Eastern Europe</b></p>	<p><b>Product/Process innovation</b></p> <p><b>Objectives of innovation</b> (market share, new markets, material consumption, waste production, pollution, cost)</p> <p><b>Innovation expenditure</b> (total innovation expenditure, percentage share)</p> <p><b>Obstacles to innovations</b> (lacking equity capital, lacking external finance, too high innovation expenditure, too long payback period, uncertain market, low innovation willingness)</p> <p><b>Main focus of innovation</b> (New product/process technology, further automation, new organization structures, data processing, text processing, IT technology)</p>

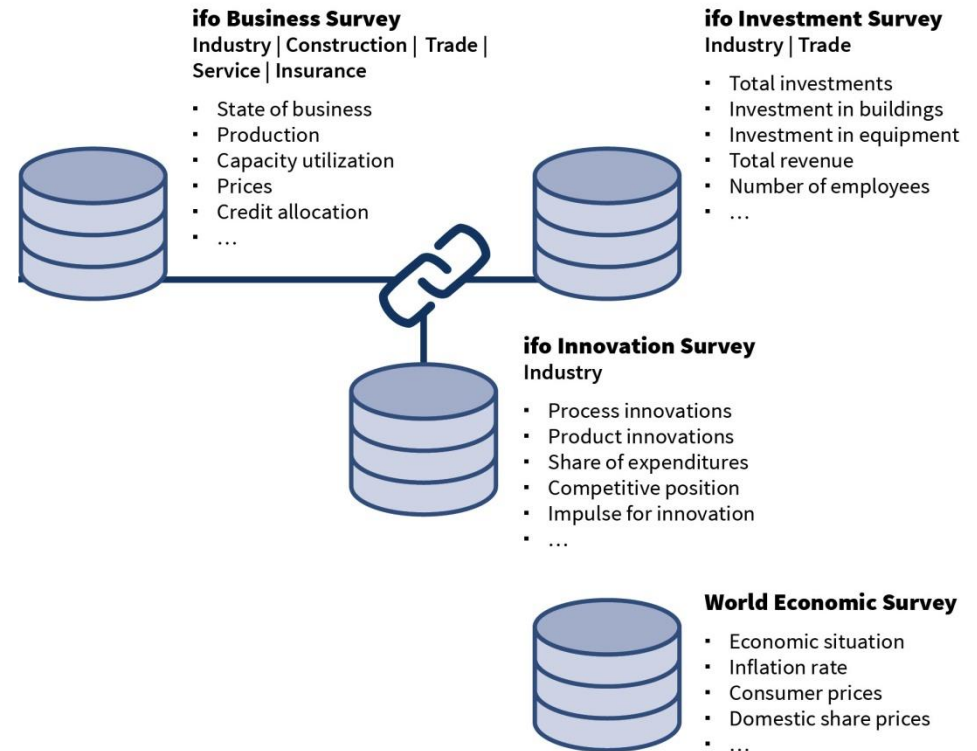
# Empirical Data Sets from EBDC

- EBDC Panels

	survey	code	company_id	questionna~d	sector_id	month_coun~r	year	month	fedstai fo
322	bau	1	999909	1	6	12	2004	11	3
323	bau	1	999909	1	1	11	2004	11	3
324	bau	1	999909	1	5	12	2004	11	3
325	bau	1	999909	1	3	12	2004	11	3
326	bau	1	999909	1	4	12	2004	11	3
327	bau	1	999909	1	3	12	2004	12	3
328	bau	1	999909	1	4	12	2004	12	3
329	bau	1	999909	1	5	12	2004	12	3
330	bau	1	999909	1	6	12	2004	12	3
331	bau	.	999909	1	6	12	2004	99	.



# EBDC Panels: Structure



# EBDC Panels: Structure

## Balance Sheet Data

Amadeus & Hoppenstedt

- Fixed assets
- Current assets
- Trade accounts receivable
- Total liabilities
- Sales
- Profit
- Cash & cash equivalents
- Total debt
- Working capital
- Inventories
- ...



## ifo Business Survey

Industry | Construction | Trade |  
 Service | Insurance

- State of business
- Production
- Capacity utilization
- Prices
- Credit allocation
- ...



## ifo Investment Survey

Industry | Trade

- Total investments
- Investment in buildings
- Investment in equipment
- Total revenue
- Number of employees
- ...



## ifo Innovation Survey

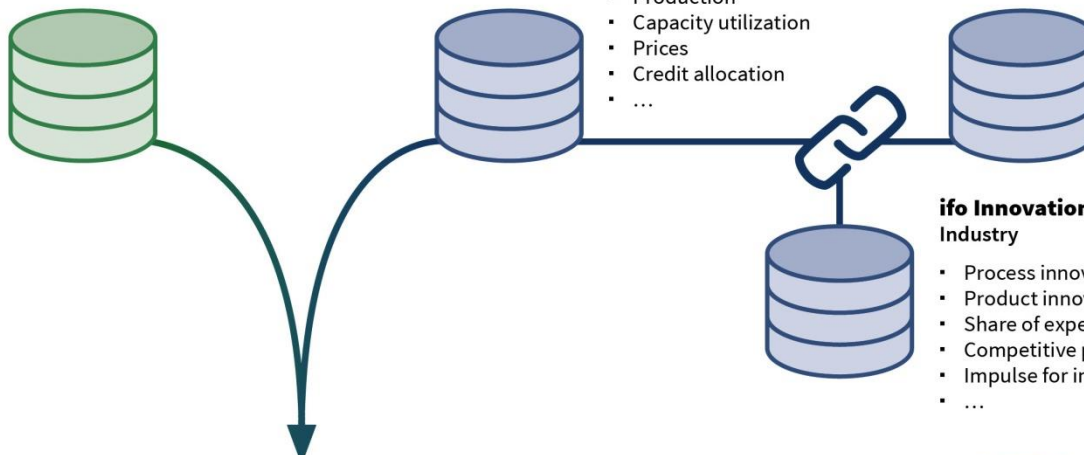
Industry

- Process innovations
- Product innovations
- Share of expenditures
- Competitive position
- Impulse for innovation
- ...

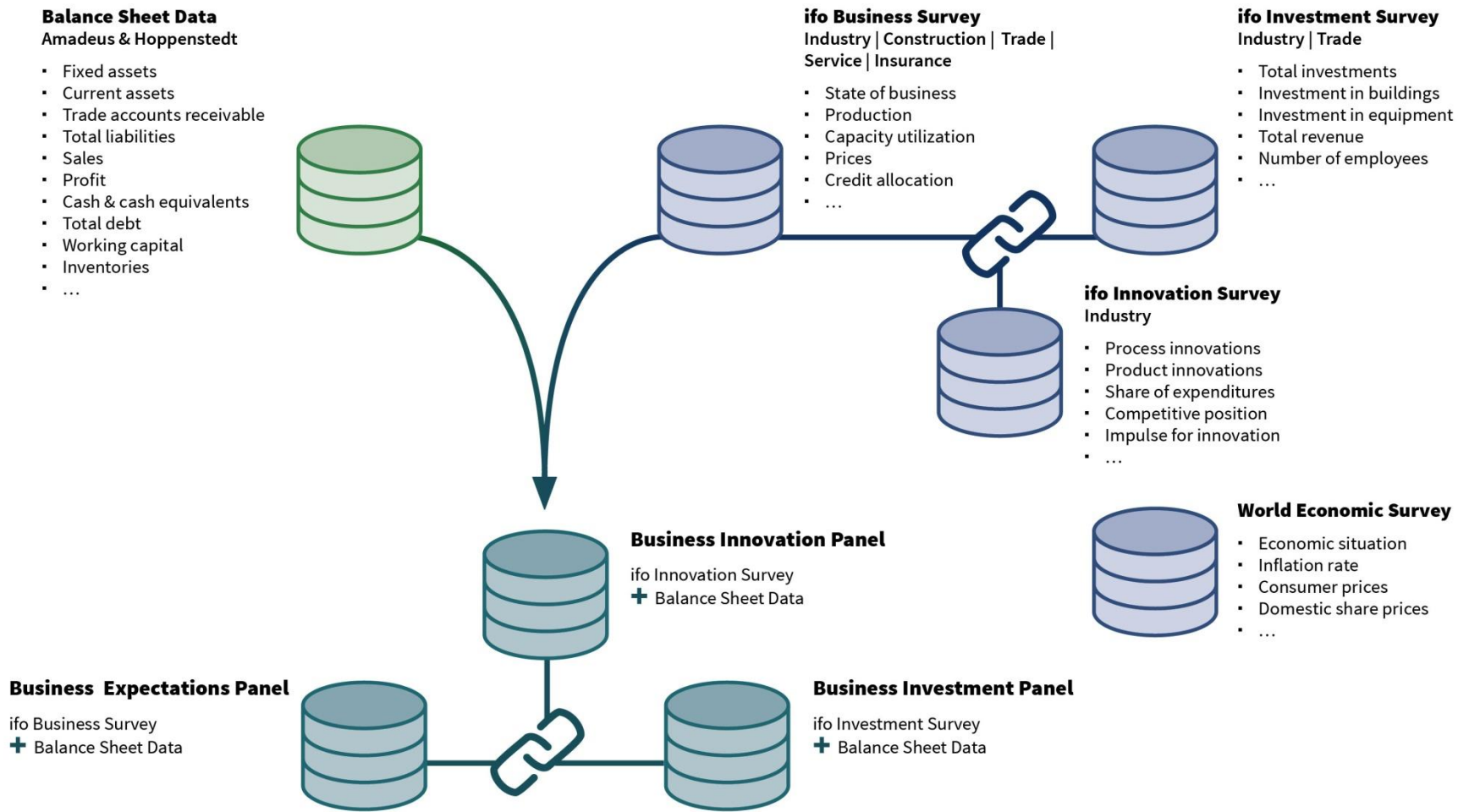


## World Economic Survey

- Economic situation
- Inflation rate
- Consumer prices
- Domestic share prices
- ...



# EBDC Panels: Structure



# Overview of the Business Expectations Panel

year	month	survey	total_assets	total_liab~s	working_ca~l	operating_~e	operating_~t	bau_ordvpm	bau_statebus
2009	9	bau	.	.	.	.	.	[3] decreased	[3] bad
2009	99	bau	2785000	3251000	488000	.	.	.	.
2010	1	bau	.	.	.	.	.	[1] increased	[3] bad
2010	3	bau	.	.	.	.	.	[2] not changed	[2] satisfiable
2010	4	bau	.	.	.	.	.	[1] increased	[1] good
2010	6	bau	.	.	.	.	.	[1] increased	[2] satisfiable
2010	8	bau	.	.	.	.	.	[1] increased	[2] satisfiable
2010	9	bau	.	.	.	.	.	[3] decreased	[2] satisfiable
2010	10	bau	.	.	.	.	.	[1] increased	[3] bad
2010	11	bau	.	.	.	.	.	[3] decreased	[3] bad
2010	12	bau	.	.	.	.	.	[3] decreased	[2] satisfiable
2010	99	bau	2167000	2537000	163000	6726000	141000	.	.
2011	1	bau	.	.	.	.	.	[2] not changed	[2] satisfiable
2011	2	bau	.	.	.	.	.	[3] decreased	[3] bad
2011	3	bau	.	.	.	.	.	[3] decreased	[3] bad
2011	4	bau	.	.	.	.	.	[3] decreased	[3] bad
2011	6	bau	.	.	.	.	.	[3] decreased	[3] bad
2011	8	bau	.	.	.	.	.	[1] increased	[2] satisfiable
2011	9	bau	.	.	.	.	.	[2] not changed	[2] satisfiable
2011	10	bau	.	.	.	.	.	[3] decreased	[2] satisfiable
2011	11	bau	.	.	.	.	.	[3] decreased	[3] bad
2011	12	bau	.	.	.	.	.	[3] decreased	[3] bad
2011	99	bau	1743000	2233000	226000	7603000	-105000	.	.
2012	3	bau	.	.	.	.	.	[3] decreased	[3] bad
2012	4	bau	.	.	.	.	.	[2] not changed	[2] satisfiable
2012	6	bau	.	.	.	.	.	[2] not changed	[3] bad
2012	7	bau	.	.	.	.	.	[2] not changed	[2] satisfiable
2012	10	bau	.	.	.	.	.	[2] not changed	[2] satisfiable
2012	12	bau	.	.	.	.	.	[3] decreased	[2] satisfiable
2012	99	bau	1388000	1707000	410000	7731000	182000	.	.
2013	1	bau	.	.	.	.	.	[2] not changed	[1] good
2013	2	bau	.	.	.	.	.	[2] not changed	[2] satisfiable
2013	3	bau	.	.	.	.	.	[2] not changed	[2] satisfiable

## Scientific Publications using ifo Data

- Strasser, G. (2012): “Exchange Rate Pass-Through and Credit Constraints: Firms Price to Market as Long as They Can”, **Journal of Monetary Economics** Volume 60, Issue 1, January 2013, Pages 25–38.
- Fidrmuc, J. and C. Hainz (2012): “The Effect of Banking Regulation on Cross-Border Lending”, **Journal of Banking & Finance**
- Bachmann, R. and S. Elstner (2013): “Uncertainty and Economic Activity: Evidence from Business Survey Data”, **American Economic Journal: Macroeconomics** 2013, 5(2): 217–249
- Rottmann, H. and T. Wollmershäuser (2013): “A Micro Data Approach to the Identification of Credit Crunches”, **Applied Economics** 45:17, 2423-2441.
- Horst Eidenmüller, Andreas Engert and Lars Hornuf (2014): “Where do firms issue debt? An empirical analysis of issuer location and regulatory competition in Europe”, **International Review of Law and Economics**, Volume 41, Pages 103–115, 2015-03

# Thank you!

---

## CONTACT:

ifo Institute – Leibniz Institute for Economic Research at the University of Munich

Poschingerstr. 5

81679 Munich

Email: [wichert@ifo.de](mailto:wichert@ifo.de)

[yang@ifo.de](mailto:yang@ifo.de)