European Investment Banking ReviewFull Year 2022

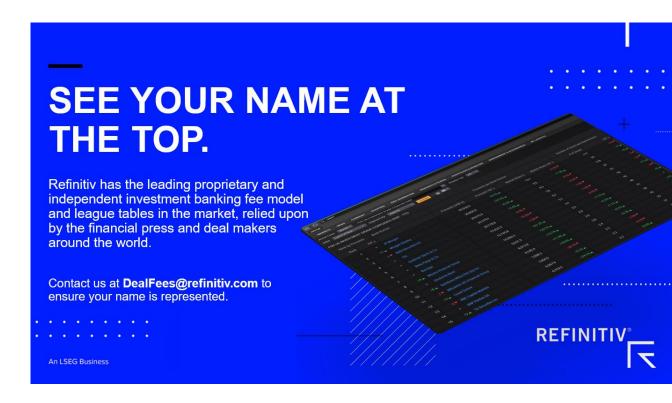
Refinitiv Deals Intelligence



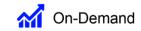
European Investment Banking Review: Highlights

HIGHLIGHTS

\$22.7 billion DOWN -34%	TOP IB FEE EARNER JP Morgan
ANY EUROPEAN INVOLVEMENT M&A \$1,116.1 billion DOWN -42%	M&A TOP FINANCIAL ADVISOR Goldman Sachs & Co
\$69.3 billion DOWN -73%	ECM TOP BOOK RUNNER Goldman Sachs & Co
\$1,900.0 billion DOWN -23%	DCM TOP BOOK RUNNER BNP Paribas SA

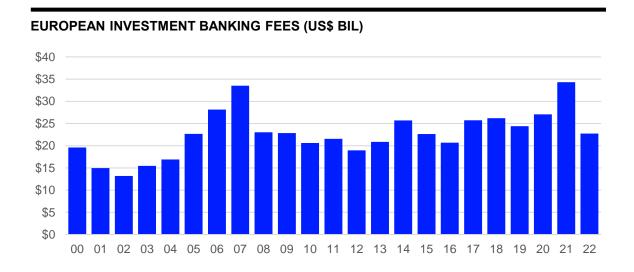




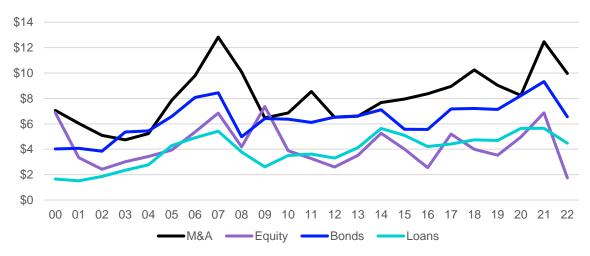




European Investment Banking Review: Investment Banking Fees



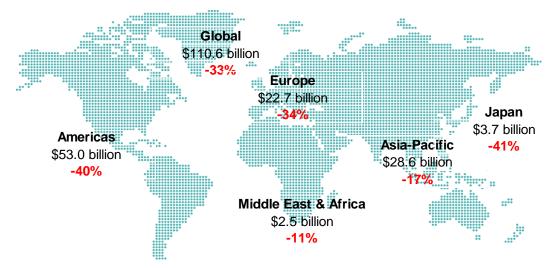
EUROPEAN INVESTMENT BANKING FEES BY ASSET CLASS (US\$ BIL)



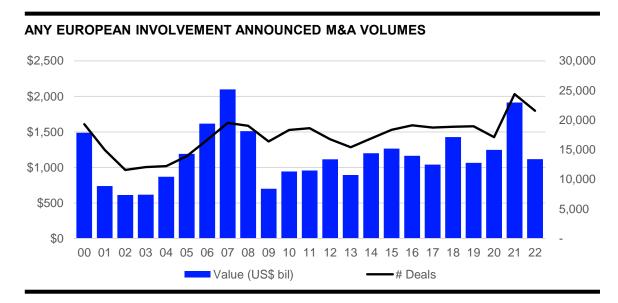
KEY HIGHLIGHTS

- An estimated US\$22.7 billion worth of investment banking fees were generated in Europe during 2022, down 34% from 2021 and the lowest annual total in six years. Fees totalled US\$5.0 billion during the fourth quarter of 2022, the lowest quarterly total since Q1 2016 and marking the fourth consecutive quarterly decline.
- Equity capital markets underwriting fees saw the sharpest decline, with fees down 75% from last year to US\$1.7 billion, lower than any other annual total since our records began in 2000. Debt capital markets fees declined 30% to US\$6.6 billion, a six-year low, while syndicated lending fees declined 21% to a five-year low of US\$4.5 billion. Advisory fees earned from completed M&A transactions in the region reached US\$10.0 billion during 2022, down 20% from 2021 but exceeding the level reached during each of the previous two years.
- European fees account for 21% of investment banking fees earned globally during 2022, the second lowest share since our records began in 2000. Twenty-three percent of all European fees were generated in the United Kingdom, followed by France (15%) and Germany (12%).
- JP Morgan earned the most investment banking fees in the region during 2022, a total of US\$1.3 billion or a 5.7% share of the total fee pool.

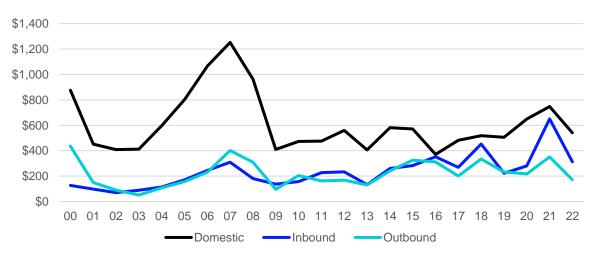
REGIONAL INVESTMENT BANKING FEE COMPARISON WITH YOY % CHANGE

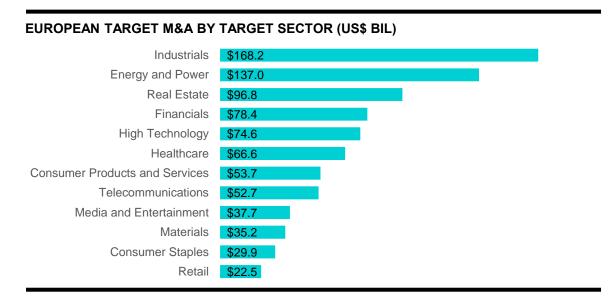


European Investment Banking Review: Mergers & Acquisitions



EUROPEAN ANNOUNCED M&A VOLUMES (US\$ BIL)



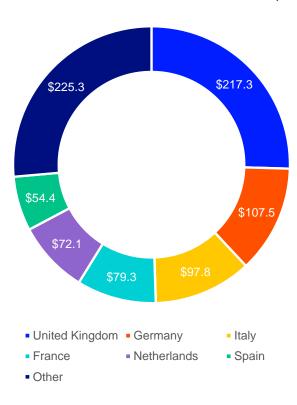


KEY HIGHLIGHTS

- The value of announced M&A transactions with any European involvement reached US\$1.1 trillion during 2022, 42% less than the value recorded during 2021, and the lowest annual total since 2019. The number of European deals declined 12%, despite exceeding the 20,000 deals mark for only the second time during any year since our records began in 1980. Deals worth US\$451.4 billion were announced during the second half of 2022, a 32% decline compared to the first half of the year and the lowest half-year total since 2013.
- Deals involving a European target totalled US\$853.7 billion during 2022, down 39% from 2021 levels. The number of deals declined 12% from last year, despite recording the second highest annual deal count of all time. Inbound deals involving a non-European acquiror declined 52% to US\$313.2 billion, while domestic deals declined 28% to US\$540.5 billion. European outbound M&A totalled US\$172.4 billion, down 51% compared to the value recorded during 2021 and a nine-year low, but with a deal count only exceeded once in the last decade.
- Private equity-backed deals accounted for 30% of European target M&A during 2022, the biggest annual share since our records began in 1980. Boosted by deals including Blackstone's investments in Italy's Atlantia SpA and in logistics real estate firm Mileway, private equity-backed M&A reached US\$256.7 billion, 26% less than the value recorded during 2021, but the second highest annual total since our records began. More than 80% of this year's activity was concentrated in the first six months of the year.

European Investment Banking Review: Mergers & Acquisitions

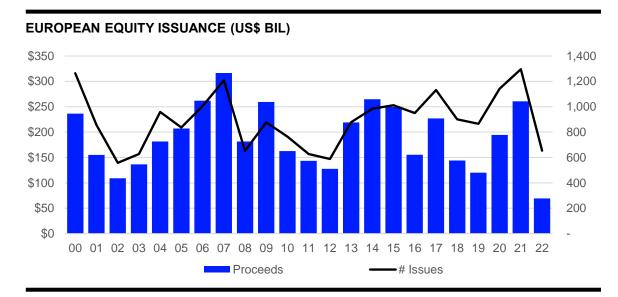
EUROPEAN TARGET M&A BY TARGET NATION (US\$ BIL)



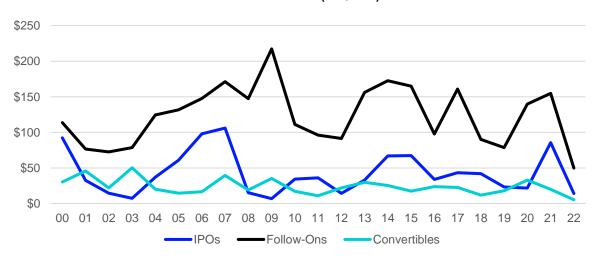
TOP DEALS WITH EUROPEAN INVOLVEMENT

Value (US\$ bil)	Target Name	Target Nation	Target Sector	Acquiror	Deal Status	Rank Date
\$52.1	Atlantia SpA	Italy	Industrials	Schemaquarantatre SpA	Completed	4/14/2022
\$23.7	Mileway BV	Netherlands	Real Estate	Investor Group	Completed	2/15/2022
\$21.9	Uniper SE	Germany	Energy and Power	Germany (Federal Republic Of)	Completed	7/22/2022
\$20.7	Firmenich International SA	Switzerland	Consumer Products and Services	Koninklijke DSM NV	Pending	5/31/2022
\$18.6	GSK Consumer Healthcare	United Kingdom	Healthcare	Shareholders	Completed	7/18/2022
\$14.8	Swedish Match AB	Sweden	Consumer Staples	Philip Morris Investments BV	Completed	5/11/2022
\$12.7	Natl Grid Plc-Gas Transm & Met	United Kingdom	Energy and Power	Investor Group	Pending	3/27/2022
\$10.8	Deutsche Telekom AG-Tower Bus	Germany	Telecommunications	Investor Group	Pending	7/14/2022
\$10.1	Dr Ing hcF Porsche AG	Germany	Industrials	Porsche Automobil Holding SE	Pending	9/18/2022
\$10.0	HSBC Bank Canada	Canada	Financials	Royal Bank Of Canada	Pending	11/29/2022

European Investment Banking Review: Equity Capital Markets



EUROPEAN EQUITY ISSUANCE BY ISSUE TYPE (US\$ BIL)



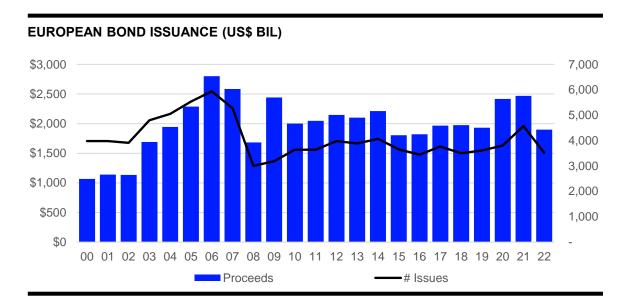
KEY HIGHLIGHTS

- European equity and equity-related issuance totalled US\$69.3 billion during 2022, the slowest annual period for European equity capital markets activity since 1993. Proceeds raised by companies in the region declined 73% compared to 2021, while the number of issues declined 49%.
- Follow-on issuance accounted for 72% of activity during 2022, while initial public offerings and convertibles accounted for 20% and 8%, respectively.
- A total of 95 initial public offerings were recorded during 2022, lower than any annual total since 2012.
- Proceeds raised from initial public offerings totalled US\$14.0 billion, an 84% decline from 2021 and the slowest full year period for new listings since 2009. Porsche's US\$8.8 billion listing on the Frankfurt Stock Exchange was the largest European company stock market debut of 2022.
- Goldman Sachs took first place in the European Equity Capital Markets underwriting league table during 2022 with a 9.3% market share, followed by BNP Paribas and BofA Securities.

LARGEST EUROPEAN DEALS

Proceeds (US\$ bil)	Issuer	Domicile Nation	Sector	Issue Type	Stock Exchange	Issue Date
\$8.84	Dr Ing hcF Porsche AG	Germany	Industrials	IPO	FRANK	9/28/2022
\$2.39	Air France-KLM SA	France	Industrials	Follow-On	EUPAR	6/9/2022
\$2.01	Saipem SpA	Italy	Energy and Power	Follow-On	MILAN	7/11/2022
\$1.94	Nordea Bank Abp	Finland	Financials	Follow-On	FINFI	4/29/2022
\$1.29	ALD SA	France	Consumer Products and Services	Follow-On	EUPAR	12/13/2022
\$1.04	Glencore PLC	Switzerland	Materials	Follow-On	LONDN	3/24/2022
\$1.00	Var Energi AS	Norway	Energy and Power	IPO	OSLO	2/15/2022
\$0.95	Siemens Energy Finance BV	Germany	Financials	Convertible	FRANK	9/6/2022

European Investment Banking Review: Debt Capital Markets



EUROPEAN BONDS BY ISSUER TYPE (US\$ BIL)



KEY HIGHLIGHTS

- Overall European debt capital markets activity totalled US\$1.9 trillion during 2022, down 23% compared to 2021 and the slowest annual period for DCM activity in the region since 2016.
- A total of 3,510 new offerings were brought to market in 2022, a 23% decline compared to a year ago and a four-year low.
- Germany was the most active issuer nation during 2022, accounting for 17% of total bond proceeds, followed by France (16%), the United Kingdom (13%) and Luxembourg (10%).
- Financial issuers accounted for 45% of proceeds raised 2022, while Government & Agency issuers accounted for 39%.
- BNP Paribas took the top spot in the European bond bookrunner ranking during 2022, with US\$115.7 billion of related proceeds, or a 6.1% market share.

LARGEST EUROPEAN DEALS

Proceeds (US\$ bil)	Issuer	Domicile Nation	Issue Type	Currency	Issue Date
\$13.37	European Union	Luxembourg	Agency, Supranational, Sovereign	EURO	3/22/2022
\$12.43	Republic of Italy	Italy	Agency, Supranational, Sovereign	EURO	11/17/2022
\$11.85	European Union	Luxembourg	Agency, Supranational, Sovereign	EURO	9/13/2022
\$11.30	Kingdom of Spain	Spain	Agency, Supranational, Sovereign	EURO	1/11/2022
\$10.22	European Union	Luxembourg	Agency, Supranational, Sovereign	EURO	10/11/2022
\$9.93	Republic of Italy	Italy	Agency, Supranational, Sovereign	EURO	6/23/2022
\$8.72	European Union	Luxembourg	Agency, Supranational, Sovereign	EURO	11/15/2022
\$8.65	European Union	Luxembourg	Agency, Supranational, Sovereign	EURO	5/11/2022

European Investment Banking Review: Deals Matrix

EUROPEAN DEAL MAKING BY SECTOR AND NATION

	INVESTMENT BANK	(ING FEES	M&A		ECM		DCM	
Industry	YTD Volume (US\$ mil)	YoY % Change	YTD Volume (US\$ mil)	YoY % Change	YTD Volume (US\$ mil)	YoY % Change	YTD Volume (US\$ mil)	YoY % Change
Financials	\$8,590.8	-26% ▼	\$78,352.8	-43% ▼	\$15,556.9	-69% ▼	\$849,669.1	-6% ▼
Industrials	\$2,246.0	-40% ▼	\$168,194.0	-6% ▼	\$17,612.5	-43% ▼	\$46,380.7	-50% ▼
Energy and Power	\$2,223.6	-13% ▼	\$137,042.2	0% 🔺	\$10,965.7	-40% ▼	\$82,653.2	- 19% ▼
Government and Agencies	\$1,946.1	-24% ▼	\$414.1	- 45% ▼	\$105.6	93% 🔺	\$741,193.9	-30% ▼
Government and Agencies Healthcare Consumer Products and Services	\$1,251.1	-43% ▼	\$66,636.1	-40% ▼	\$4,482.8	-81% ▼	\$33,338.4	33% 🔺
Consumer Products and Services	\$1,140.2	-27% ▼	\$53,665.1	-35% ▼	\$1,996.3	-85% ▼	\$19,856.7	-40% ▼
Materials	\$1,110.5	-20% ▼	\$35,220.9	- 78% ▼	\$3,781.9	-71% ▼	\$23,496.3	-31% ▼
High Technology	\$1,071.0	-44% ▼	\$74,645.3	-40% ▼	\$5,065.5	-85% ▼	\$13,391.9	-47% ▼
Media and Entertainment	\$809.9	-15% ▼	\$37,667.0	-44% ▼	\$1,278.7	-82% ▼	\$3,685.1	-74% ▼
Telecommunications	\$643.7	-60% ▼	\$52,682.0	- 46% ▼	\$1,625.3	-83% ▼	\$14,433.9	-60% ▼
Real Estate	\$619.9	- 56% ▼	\$96,811.9	-43% ▼	\$3,521.9	-81% ▼	\$30,492.7	-63% ▼
Consumer Staples	\$607.2	- 52% ▼	\$29,865.4	5% ▲	\$1,593.4	-87% ▼	\$29,394.2	-18% ▼
Retail	\$480.3	- 67% ▼	\$22,506.5	-78% ▼	\$1,692.0	-94% ▼	\$11,994.7	-53% ▼

	INVESTMENT BANK	(ING FEES	M&A	M&A		ЕСМ		DCM	
Nation	YTD Volume (US\$ mil)	YoY % Change							
United Kingdom	\$5,262.5	-41% ▼	\$217,335.5	-48% ▼	\$10,172.4	-84% ▼	\$237,365.8	-28% ▼	
France	\$3,522.2	-17% ▼	\$79,294.7	-46% ▼	\$9,334.2	-57% ▼	\$293,634.7	-11% ▼	
Germany	\$2,712.9	-36% ▼	\$107,503.8	-36% ▼	\$14,089.8	-67% ▼	\$328,263.1	-24% ▼	
Italy	\$1,684.4	-10% ▼	\$97,771.1	7% ▲	\$5,443.6	-37% ▼	\$108,270.3	-36% ▼	
Sweden	\$1,296.5	-40% ▼	\$40,510.2	-58% ▼	\$5,202.2	-82% ▼	\$99,274.6	-3% ▼	
Switzerland	\$1,286.4	-18% ▼	\$39,010.4	-29% ▼	\$5,248.8	-52% ▼	\$112,400.9	-3% ▼	
Netherlands	\$1,220.0	-26% ▼	\$72,097.6	-21% ▼	\$2,425.6	-68% ▼	\$99,295.8	-6% ▼	
Spain	\$1,181.8	-40% ▼	\$54,409.9	-18% ▼	\$1,189.0	-91% ▼	\$119,200.6	-22% ▼	
Luxembourg	\$700.8	-56% ▼	\$1,422.8	-94% ▼	\$748.7	-92% ▼	\$184,600.5	-35% ▼	
Republic of Ireland	\$621.9	-34% ▼	\$10,766.3	-63% ▼	\$1,657.3	-31% ▼	\$27,447.3	-56% ▼	

European Investment Banking Review: League Tables

EUROPEAN INVESTMENT BANKING FEES

Donk	Rank	Rank	Wallet	YoY Wallet	Fees	YoY Fee
Bank	FY 2022	FY 2021	Share (%)	Share Change	(US\$ Mil)	Chg. (%)
JP Morgan	1	1	5.7%	-1.3	\$1,300.4	-46%
Goldman Sachs & Co	2	2	5.6%	-0.6	\$1,282.6	-40%
BNP Paribas SA	3	5	4.5%	0.0	\$1,020.0	-34%
Barclays	4	7	3.9%	0.6	\$885.2	-22%
Citi	5	3	3.8%	-1.0	\$853.5	-48%
BofA Securities Inc	6	6	3.7%	-0.1	\$846.5	-35%
Morgan Stanley	7	4	3.7%	-1.1	\$834.6	-49%
Rothschild & Co	8	13	3.4%	1.2	\$762.8	6%
Deutsche Bank	9	8	3.1%	-0.2	\$696.0	-37%
Credit Agricole CIB	10	11	2.6%	0.4	\$596.0	-21%
Industry Total			100.0%		\$22,740.4	-34%

EUROPEAN EQUITY & EQUITY RELATED

Dooksynner	Rank	Rank	Mkt. Share	Proceeds	Proceeds	#
Bookrunner	FY 2022	FY 2021	(%)	(US\$ Mil)	YoY Chg. (%)	Issues
Goldman Sachs & Co	1	1	9.3	\$ 6,411.2	-70%	42
BNP Paribas SA	2	6	6.5	\$ 4,530.7	-66%	41
BofA Securities Inc	3	4	6.5	\$ 4,489.7	-71%	27
Citi	4	5	5.2	\$ 3,632.8	-75%	29
JP Morgan	5	3	5.2	\$ 3,612.7	-82%	31
Morgan Stanley	6	2	4.9	\$ 3,359.7	-83%	25
Barclays	7	8	4.4	\$ 3,054.7	-67%	27
Deutsche Bank	8	16	4.2	\$ 2,888.4	-42%	18
Jefferies LLC	9	7	3.4	\$ 2,328.6	-76%	35
Societe Generale	10	15	3.4	\$ 2,322.3	-60%	24
Industry Total			100.0	\$ 69,278.6	-73%	654

ANNOUNCED ANY EUROPEAN INVOLVEMENT M&A

Financial Advisor	Rank	Rank	Mkt. Share	Value	Value	#
Financial Advisor	FY 2022	FY 2021	(%)	(US\$ Mil)	YoY Chg. (%)	Deals
Goldman Sachs & Co	1	1	33.9	\$ 378,754.1	-46%	166
JP Morgan	2	4	24.6	\$ 274,969.6	-30%	156
Morgan Stanley	3	2	19.5	\$ 217,073.5	-51%	114
BofA Securities Inc	4	5	19.1	\$ 213,155.0	-29%	101
Rothschild & Co	5	6	15.9	\$ 177,833.1	-28%	390
Citi	6	3	15.7	\$ 174,978.2	-59%	87
Lazard	7	10	15.5	\$ 173,360.0	-6%	187
BNP Paribas SA	8	9	13.9	\$ 155,029.5	-17%	134
Barclays	9	11	10.7	\$ 119,029.4	-27%	94
UBS	10	8	10.0	\$ 111,987.7	-43%	69
Industry Total			100.0	\$ 1,116,107.5	-42%	21,574

EUROPEAN DEBT

Backgunner	Rank	Rank	Mkt. Share	Proceeds	Proceeds	#
Bookrunner	FY 2022	FY 2021	(%)	(US\$ Mil)	YoY Chg. (%)	Issues
BNP Paribas SA	1	1	6.1	\$ 115,716.1	-27%	424
JP Morgan	2	2	6.0	\$ 114,408.5	-26%	439
Barclays	3	4	5.5	\$ 104,540.2	-20%	374
Deutsche Bank	4	3	5.2	\$ 98,690.1	-34%	373
HSBC Holdings PLC	5	6	5.1	\$ 96,728.3	-19%	346
Credit Agricole CIB	6	8	4.8	\$ 91,931.8	-5%	328
Citi	7	5	4.6	\$ 87,006.9	-30%	306
BofA Securities Inc	8	7	4.4	\$ 82,654.7	-21%	285
Societe Generale	9	9	4.1	\$ 77,523.2	-15%	292
Goldman Sachs & Co	10	10	3.7	\$ 70,231.4	-22%	232
Industry Total			100.0	\$ 1,899,980.6	-23%	3,510

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European Investment Banking Review: Contacts & Criteria

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