3

8



## PRIVATE EQUITY & VENTURE CAPITAL



FEATURE **Private Equity** Fundraising in 2017: A Global Story

FEATURE First-Time Fund Managers

INDUSTRY NEWS 11

#### THE FACTS

13 ■ Consistent **Performing Fund** Managers

15 ■ Largest Fund Managers

16 Largest Investors

Performance 18 **Benchmarks** 

CONFERENCES 19



All data in this newsletter can be downloaded to Excel for free

Sign up to Spotlight, our free monthly newsletter, providing insights into performance, investors, deals and fundraising, powered by Preqin data:

SIGN UP

#### PRIVATE EQUITY FUNDRAISING IN 2017: A GLOBAL STORY



In 2017, 921 private equity funds reached a final close, securing just over \$453bn, the largest amount of capital raised in any year. In this feature we examine the private equity industry's year of success.

Find out more on page 3

#### FIRST-TIME FUND MANAGERS



First-time private equity fund managers secured \$26bn in capital commitments across 226 funds in 2017. We examine fundraising and performance trends for first-time funds as well as investor appetite for these vehicles.

Find out more on page 8



#### **JUST RELEASED:**

2018 PREQIN GLOBAL PRIVATE EQUITY & VENTURE CAPITAL REPORT

**Order Your Copy** 

**Download Sample Pages** 



Alt Credit Intelligence European and US Fund Services Awards: Best Data and Information Provider | Africa Global Funds Awards 2016: Best Research and Data Provider | The Queen's Award for Enterprise: International Trade | HedgeWeek Global Awards: Best Global Hedge Fund Research Provider | CAIA Corporate Recognition Award









#### REALISE THE POTENTIAL OF PRIVATE EQUITY IN CHINA

7 - 9 May 2018 The Four Seasons Hotel, Beijing www.superreturnchina.com

Dear Spotlight reader,

We are very pleased to offer a 10% discount to Spotlight readers for registrations to SuperReturn China in Beijing on 7 – 9 May 2018.

SuperReturn China brings together the leading lights of the Chinese private equity world including:

- 300+ global private equity professionals
- 150+ local and international LPs
- 100+ world leading GPs

Elevate your fundraising process

Following a highly successful edition in 2017, we're bringing back the Fundraising & LP/GP Relations Summit for 2018 and making it bigger and better than ever before:

- More LP-led sessions.
- More opportunity to be involved in the debate.
- A more valuable experience.

I hope to see you there!

Kindest regards

Mark O'Hare Managing Director, Pregin

For all bookings & enquiries, please contact the SuperReturn China Team Quote VIP: FKR2452PRQS for your 10% discount

Tel: +44 (0)20 3377 3279

Email: gf-registrations@knect365.com

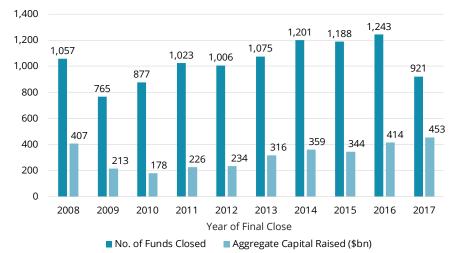
## PRIVATE EQUITY FUNDRAISING IN 2017: A GLOBAL STORY

We examine the record-breaking private equity fundraising market in 2017, including analysis of fundraising success, time spent on the road and regional fundraising trends.

n 2017, 921 private equity funds reached a final close, securing just over \$453bn, the largest amount of capital raised in any year (Fig. 1). This marks the second consecutive year in which annual fundraising has surpassed \$400bn, a landmark that has only been achieved once previously in 2007/2008. Although 26% fewer funds closed in comparison to 2016, \$39bn more capital was raised by private equity funds closed in 2017 and this figure will increase as more data becomes available.

The positive net distributions that LPs have received since 2011 have driven the stellar fundraising activity seen in recent years. The latest data shows that, while positive net distributions continue, momentum does appear to be slowing: LPs received \$66bn in net distributions in H1 2017, compared to \$149bn over the whole of 2016. Nonetheless, the results of Pregin's interviews with investors in December 2017 show that 63% of LPs have a positive perception of private equity, and 53% plan to increase their allocation to private equity in the longer term. As a result, LP capital is likely to continue to flow back into the asset class as LPs strive to maintain their allocations.

Fig. 1: Annual Global Private Equity Fundraising, 2008 - 2017



Source: Pregin Private Equity Online

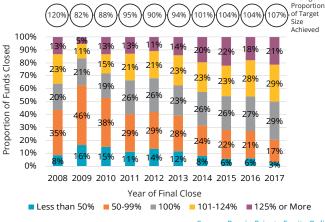
#### **CAPITAL CONCENTRATION**

Of the \$453bn raised in 2017, 28% (\$125bn) was secured by the 10 largest funds closed, and the 20 largest funds accounted for 42% of all private equity capital raised, nine percentage points higher compared to 2016. There were a number of high-profile mega fund (funds >\$4.5bn) closures in 2017, including Apollo Investment Fund IX on \$24.7bn, the largest fund ever to reach a final close. With greater capital concentration seen in recent years, the average size of private equity funds has grown from \$384mn in 2016 to \$535mn in 2017.

#### FUNDRAISING SUCCESS AND TIME ON THE ROAD

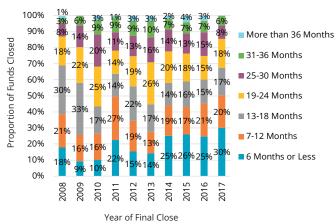
Even though fewer funds closed in 2017 than in 2016, a larger proportion of funds met or exceeded their original fundraising target, illustrative of the current LP liquidity caused by recent positive net distributions. Half of funds closed in 2017 exceeded their target, with 21% achieving 125% or more of their fundraising goal (Fig. 2). As market conditions have improved, the proportion of funds that fell short of their target has fallen steadily from 53% in 2010 down to just 20% in 2017.

Fig. 2: Private Equity Funds Closed by Proportion of Target Size Achieved, 2008 - 2017



Source: Preqin Private Equity Online

Fig. 3: Time Spent on the Road by Private Equity Funds Closed, 2008 - 2017



reached a final close in 13.4 months, a further illustration of current LP liquidity. Additionally, the proportion of funds that took one year or less to achieve a final close reached an all-time high of 50% in 2017 (Fig. 3).

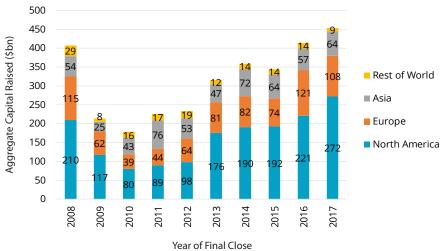
#### **NORTH AMERICAN FUNDRAISING**

North America-focused private equity funds secured a new 10-year fundraising high in 2017 with \$272bn in aggregate capital raised (Fig. 4). This represented a 23% increase in total capital raised from 2016, and the region accounted for a 60% share of all private equity capital secured in 2017, a 13-year high. Capital concentration has been more prominent in North America than in any other region: just 471 vehicles reached a final close, down from 599 in the previous year (Fig. 5), resulting in the average fund size increasing 43% from 2016 levels to \$614mn.

#### **Key Findings - North America:**

- Fundraising was bolstered by a proliferation of mega fund closures, including Apollo Global Management's Apollo Investment Fund IX on \$24.7bn, the largest private equity fund ever raised.
- In 2017, 117 buyout funds closed, accounting for 65% (\$176bn) of all North America-focused capital raised, a 12% rise from 2016, with an average fund size of over \$1.6bn.
- Nearly half of all North Americafocused funds closed in 2017 were venture capital funds: 222 vehicles

Fig. 4: Aggregate Capital Raised by Private Equity Funds Closed by Primary Geographic Focus, 2008 - 2017



Source: Preain Private Equity Online

- reached a final close, raising just over \$30bn.
- The proportion of total capital raised by secondaries vehicles more than doubled from 2016 to 10% in 2017, thanks largely to fund closures by Strategic Partners Fund Solutions (\$7.5bn) and Goldman Sachs' Vintage Fund VII (\$7.1bn).
- For the fourth consecutive year, funds, on average, closed above their target size, securing an average of 108% of their target, greater than the 2016 average of 105%.
- North America-focused funds that closed in 2017 spent an average of 11.6 months on the road, four months less than in 2016.

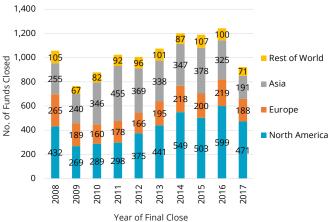
#### **EUROPEAN FUNDRAISING**

Europe-focused private equity fundraising experienced another strong year in 2017: 188 funds reached a final close raising a combined \$108bn (Figs. 4 and 5). Furthermore, a significant 85% of Europe-focused funds closed in 2017 met or exceeded their target – greater than any other region. However, momentum has slowed: 10% less capital was raised compared to the record \$121bn secured in 2016.

#### **Key Findings - Europe:**

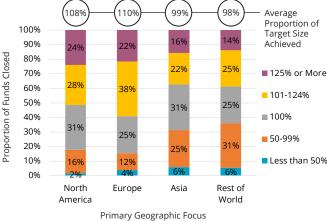
Buyout funds accounted for 73% (\$79bn) of aggregate capital raised by Europe-focused funds, followed by secondaries funds with 10% (\$10bn) and venture capital funds with 7% (\$7.1bn).

Fig. 5: Number of Private Equity Funds Closed by Primary Geographic Focus, 2008 - 2017



Source: Preqin Private Equity Online

Fig. 6: Private Equity Funds Closed in 2017 by Proportion of Target Size Achieved and Primary Geographic Focus



- UK-based managers continued to dominate fundraising in Europe, securing 53% (\$57bn) of the capital raised by Europe-focused funds. Only 2% came from US-based managers, down from 14% in 2016.
- The amount of capital secured by multi-regional funds dropped noticeably from \$75bn in 2016 to \$55bn in 2017. West Europe-focused funds secured \$44bn, a 19% increase on the amount raised in 2016.
- The average proportion of initial target size achieved by Europe-focused funds closed in 2017 was 110%, up four percentage points from 2016 and the highest of any region.
- Europe-focused funds that closed in 2017 spent an average of 13.9 months on the road, a slight increase from 13.5 months for funds closed in 2016.

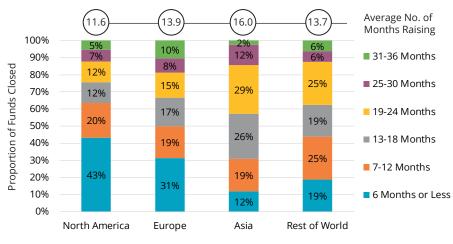
#### **ASIAN FUNDRAISING**

Asia-focused private equity funds secured \$64bn in 2017, increasing for the first time after two consecutive years of decline (Fig. 4). The capital concentration trend seen in both North America and Europe has also been evident in Asia, with just 191 funds reaching a final close, 134 fewer than in 2016 (Fig. 5).

#### **Key Findings - Asia:**

- The rise of venture capital continues in Asia: 53% (101) of the Asia-focused funds closed in 2017 were venture capital vehicles, securing \$14bn.
- Asia-based managers secured the majority (78%) of capital focused on the region; however, non-Asia-based managers raised \$14bn in 2017, up from \$7.8bn in 2016.

Fig. 7: Private Equity Funds Closed in 2017 by Time Spent on the Road and Primary Geographic Focus



Primary Geographic Focus

Source: Pregin Private Equity Online

- China remains a key focus for vehicles targeting the region, yet the total capital secured fell by 18% to \$31bn from \$38bn in 2016.
- Funds focused on areas other than China and India raised 75% more capital in 2017 than in 2016, securing \$28bn via 56 funds.
- Thirty-eight percent of Asia-focused funds closed in 2017 exceeded their target size.
- Asia-focused funds took an average of 16 months to reach a final close in 2017, the slowest of any region.

#### **REST OF WORLD FUNDRAISING**

Fundraising by private equity vehicles focused on investment outside North America, Europe and Asia endured a particularly tough 2017. Just \$9.2bn was raised by 71 vehicles (Figs. 4 and 5), marking a decrease of 35% in capital secured and 29% in the number of funds

reaching a final close compared to 2016. Funds focused on Australasia and those with a diversified geographic focus collectively accounted for the bulk of Rest of World fundraising (\$5.9bn), while Africafocused fundraising lagged from the recent high of \$4.6bn raised in 2015, securing only \$708mn in 2017, 67% less than in 2016.

#### **Key Findings - Rest of World:**

- Fifty-six percent of the capital raised by Rest of World-focused funds closed in 2017 was raised by domestic GPs (firms based in Africa, Latin America, the Middle East, Israel or Australasia).
- Over half (51%) of Rest of Worldfocused funds closed in 2017 were venture capital vehicles, followed by growth (23%) and buyout (14%).
- Thirty-nine percent of Rest of World-focused funds closed in 2017 exceeded their fundraising targets, compared to 44% in 2016.

Fig. 8: Largest Fund Closed in Each Target Region in 2017

Region Targeted	Fund	Firm	Fund Size (mn)	Fund Type	Final Close Date
North America	Apollo Investment Fund IX	Apollo Global Management	24,714 USD	Buyout	Jul-17
Europe	CVC Capital Partners Fund VII	CVC Capital Partners	16,000 EUR	Buyout	Jun-17
Asia	KKR Asian Fund III	KKR	9,300 USD	Buyout	Jun-17
Rest of World	The Rise Fund	TPG	2,100 USD	Venture Capital	Dec-17

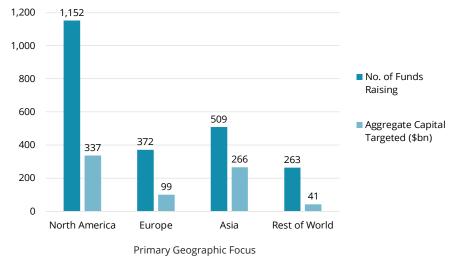
The average length of time spent in market by funds closed in 2017 was 13.7 months, a 34% decrease compared to funds closed in 2016 (20.6 months).

#### **OUTLOOK**

Despite a record-breaking year in 2017, private equity fundraising is unlikely to be any less competitive in 2018. As at January 2018, there are a record 2,296 private equity funds in market seeking an aggregate \$744bn in capital – a 25% increase in the number of vehicles compared to January 2017. North America continues to dominate with 1,152 (50%) of the funds in market, and \$337bn (45%) of the total capital targeted is focused on the region (Fig. 9). However, Asia-focused funds are seeking over a third (\$266bn) of total capital and represent seven of the 10 largest funds currently raising.

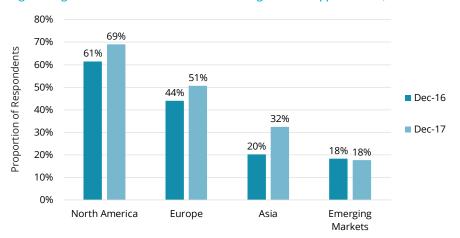
According to Pregin's latest interviews with investors conducted at the end of 2017, appetite for private equity investments is still strong, with 53% of respondents intending to increase their allocation to the asset class over the longer term – an all-time high. As illustrated in Fig. 10, 69% of investors surveyed believe North America presents the best opportunities, while nearly a third of respondents believe Asia does - a 12-percentage-point increase on 2016. With increased investor liquidity and consequently institutions looking to put their capital to work to maintain their target allocations, there is still significant opportunity in the industry on which fund managers can capitalize.

Fig. 9: Private Equity Funds in Market by Primary Geographic Focus (As at January 2018)



Source: Preqin Private Equity Online

Fig. 10: Regions that Investors View as Presenting the Best Opportunities, 2016 vs. 2017



Region Presenting the Best Opportunities

Source: Pregin Investor Interviews, December 2016 - 2017

#### 2018 PREQIN GLOBAL PRIVATE EQUITY & VENTURE CAPITAL REPORT

For a more comprehensive review of the private equity fundraising market in 2017, as well as detailed analysis of performance, deals, investor activity, fund terms and conditions and much more, order your copy of the 144-page 2018 Preqin Global Private Equity & Venture Capital Report today. The Report is the most complete and in-depth review of the industry available, covering a wide range of topics, with expert commentary, key trends from recent years, historical statistics, league tables and survey results.

www.preqin.com/gper



#### Global private equity fundraising

Capstone Partners (www.csplp.com) is a leading independent placement agent focused on raising capital for private equity, credit, real assets and infrastructure firms. The Capstone team includes 35 experienced professionals in North America, Europe and Asia.

#### **Rubicon Technology Partners**

We congratulate the Rubicon team on the successful closing of Rubicon Technology Partners II at its hard cap.



### FIRST-TIME FUND MANAGERS

New fund managers continue to launch private equity vehicles despite the challenges of an increasingly competitive market. In this article, we take a look at first-time fundraising as well as performance and investor interest in these vehicles.

ew firms continue to enter the private equity asset class. While the industry is continuing to grow and the majority of investors remain satisfied and committed to the asset class, first-time fund managers' jobs have not become any easier. The fundraising landscape is growing increasingly competitive: there are more vehicles on the road (2,296) than ever before, seeking a record amount of capital (\$744bn); and while LPs remain flush with capital from recent record net distributions, many are re-investing much of this capital with existing managers. Despite these challenges, first-time fund managers secured \$26bn in capital commitments across 226 funds in 2017 (Fig. 1).

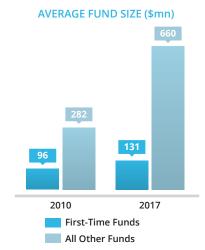
#### **FUNDRAISING**

The number of first-time funds reaching a final close in 2017 has significantly decreased from levels in prior years, dropping by 20% from 2016. This is reflective of the broader trend in private equity fundraising whereby investor capital

is concentrated in fewer funds. Although first-time funds accounted for a quarter of all private equity funds closed in 2017, eclipsing the proportion the previous year, there was a three-percentage-point decrease in the proportion of aggregate capital raised in 2017 by first-time funds in comparison to 2016 (Fig. 2).

Much of this positive momentum can be attributed to a strong fundraising year for first-time venture capital fund managers. The \$11bn raised by first-time venture capital fund managers in 2017 accounted for 42% of all capital raised by first-time private equity funds. That is a stark difference from the fundraising environment for established managers in 2017, when just 10% was raised by experienced venture capital funds.

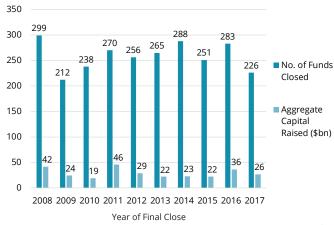
In line with the wave of distributions LPs have received in recent years, the average fund size has increased over time for both emerging and established managers. The



average size of non-first-time funds closed in 2017 stands at \$660mn, 2.3x larger than in 2010, while the average first-time fund secured \$131mn in 2017, 36% greater than the average size in 2010.

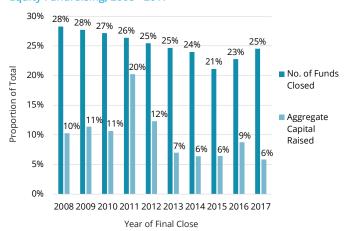
The average time spent on the road by firsttime funds has dropped slightly in recent years, from 20 months in 2010

Fig. 1: Annual First-Time Private Equity Fundraising, 2008 - 2017



Source: Preqin Private Equity Online

Fig. 2: First-Time Fundraising as a Proportion of Total Private Equity Fundraising, 2008 - 2017



Source: Preqin Private Equity Online

Fig. 3: Largest First-Time Private Equity Funds Closed in 2017

Fund	Firm	Fund Size (mn)	Fund Type	Geographic Focus	Final Close Date
Core Equity Holdings I	Core Equity Holdings	1,000 EUR	Buyout	Europe	Sep-17
Baidu Fund Partnership	Baidu Capital	7,000 CNY	Venture Capital	Asia	Sep-17
Cove Hill Partners Fund I	Cove Hill Partners	1,005 USD	Buyout	US	Sep-17
Rocket Internet Capital Partners Fund	Rocket Internet Capital Partners	1,000 USD	Venture Capital	Europe	Jan-17
EMK Capital Fund I	EMK Capital	575 GBP	Buyout	Europe	May-17

to 17 months in 2017. By contrast, the average time spent in market by funds from established managers has decreased from 19 months to 13 months in the same period. This suggests that investors are deploying capital faster, but are increasingly comfortable investing with managers that have a proven track record.

#### **PERFORMANCE**

Although attracting investor capital is generally more challenging for first-time fund managers, Preqin data shows emerging funds typically deliver better returns to investors. First-time funds have higher median net IRRs than non-first-time funds across 10 of the 15 vintage years since 2000, surpassing the net IRRs of all other funds by at least four percentage points for 2010-2012 and 2014 vintage funds (Fig. 4). This outperformance can particularly be seen in quartile rankings: when compared to similar funds, 34% of first-time funds achieved top-quartile performance (all vintages combined).

Fund selection for first-time fund managers remains crucial as the difference in the performance of top- and bottom-quartile first-time funds is sizeable, as seen in Fig. 5. Between 2000 and 2014 vintages, the difference in median net IRRs between top- and bottom-quartile managers was at least 10 percentage points every year except for 2009 vintage.

#### **INVESTOR INTEREST**

Despite reservation from investors, there is still a sizeable group of institutions interested in first-time funds: a third of

Fig. 4: Private Equity Median Net IRRs by Vintage Year: First-Time vs. All Other Funds



investors tracked by Preqin have expressed a preference for first-time funds (Fig. 6). However, in line with LPs' recent views on the importance of track records when sourcing funds, 41% of investors will not invest in first-time funds.

#### **OUTLOOK**

Despite the continued challenges faced by emerging managers, new firms and funds are coming to market. There is still a clear appetite from investors to capitalize on the strong returns of first-time funds, and as such there remain opportunities for first-time fund managers. However, with LP capital being spread across increasingly fewer funds, even within the first-time fund market, emerging managers will need to work even harder to differentiate themselves and demonstrate their potential in order to attract investor capital.

#### AVERAGE TIME SPENT ON THE ROAD (MONTHS)

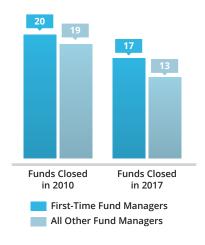


Fig. 5: First-Time Private Equity Funds: Median Net IRRs and Quartile Boundaries by Vintage Year

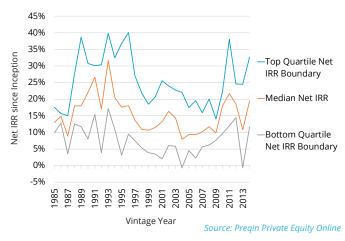
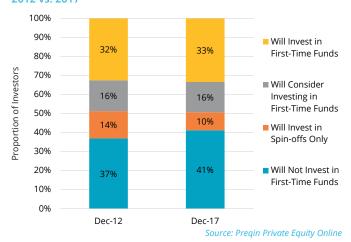


Fig. 6: Investor Appetite for First-Time Private Equity Funds, 2012 vs. 2017





The Big Apple is host to Opal Group's Family Office Winter Forum. Held in one of the world's largest financial capitals, this one-day event perfectly aligns with the culture of the city that never sleeps. Families and financial managers will enjoy a fast pace day of interactive panel discussions and networking breaks. While in the session room, trending investment topics will be addressed by some of Wall Street's most sought after managers and advisors. Themes of family governance, alternatives, and impact investing, will have even the most cynical of New Yorkers believing in their financial future.

#### Sponsorship and Exhibiting Opportunities are Available

If you are interested in attending, sponsoring, speaking or exhibiting at this event, please call 212-532-9898 or email info@opalgroup.net

#### Register

To register, visit us online at www.opalgroup.net or email us at marketing@opalgroup.net

Ref code: FOWFC1803





### **INDUSTRY NEWS**

In this month's industry news, we examine 2017's figures for private equity fundraising, funds in market, deals and more.

#### **ASSETS UNDER MANAGEMENT**

The private equity industry's total assets under management (AUM) grew 9.6% from the end of December 2016 to reach a new record: \$2.83tn as at June 2017 (the latest data available). The private equity industry has now experienced nine consecutive years of growth.

#### **FUNDRAISING**

2017 was a record year for private equity fundraising with 921 funds reaching a final close, securing \$453bn in capital commitments – an all-time high. The largest ever private equity fund closed in July 2017: Apollo Global Management raised \$24.7bn for its buyout vehicle Apollo Investment Fund IX.

The aggregate capital raised by the 229 buyout funds closed in 2017 reached a 10-year high of \$289bn, surpassing the levels seen prior to the Global Financial Crisis. Venture capital saw a slight slowdown in fundraising momentum in 2017 with 417 funds reaching a final close for an aggregate \$55bn, down from the record seen in 2016. Also in 2017, 122 growth funds closed, securing \$39bn in capital, while only 59 funds of funds reached a final close on \$17bn.

#### **FUNDS IN MARKET**

There are a record 2,296 private equity funds in market seeking an aggregate \$744bn in investor capital as at January 2018. The largest private equity fund in market is still SoftBank Vision Fund, targeting \$100bn. The fund reached a first close in May 2017, securing \$93bn.

#### **BUYOUT DEALS & EXITS**

Nearly 4,200 private equity-backed buyout deals were announced or completed in 2017, for an aggregate \$347bn. The largest deal was the sale of Toshiba Memory Corporation to a consortium led by Bain Capital, including Apple Inc. and Dell Inc., for JPY 2tn (\$17.9bn).

There were 1,674 private equity-backed buyout exits in 2017, with an aggregate value of \$250bn. The largest exit was the trade sale of Lightower Fiber Networks, LLC. by investors including Berkshire Partners, ABRY Partners and Pamlico Capital for \$7.1bn in July to Crown Castle International Corp.

#### **VENTURE CAPITAL DEALS & EXITS**

The aggregate value (\$182bn) of venture capital deals reached an all-time high with 11,145 transactions completed in 2017. The largest venture capital deal completed was the \$5.5bn financing for Didi Chuxing from new investors Silver Lake, Pagoda Investment and RCFSI, and existing investors SoftBank Group, China Bank of Communications and China Merchants Bank.

There were a total of 1,151 venture capital exits in 2017 for an aggregate \$71bn. The largest exit was the sale to GP of Uber Technologies Inc. in December 2017 for \$7.8bn by investors including BlackRock, Benchmark Capital and Microsoft.

#### PERFORMANCE

Top-quartile private equity funds have consistently returned net IRRs above 12%

across all vintage years examined. Private equity portfolios have generated the highest median return for public pension funds across all asset classes over the fiveand 10-year periods.

#### INVESTORS TO WATCH

Ninety-five percent of investors interviewed by Preqin in December 2017 felt their private equity investments met or exceeded their expectations in the past 12 months. Fifty-three percent of investors reported plans to increase their allocations to the asset class in the longer term.

#### New Mexico State Investment Council

will invest between \$550mn and \$650mn across 5-7 funds in the next 12 months; the sovereign wealth fund will primarily target buyout vehicles.

Aalto University Endowment plans to commit €38mn across three new private equity funds focusing on the European and North American buyout markets.

Korea Fire Officials Credit Union plans to target co-investments and secondaries opportunities across OECD countries.

#### **SHARE YOUR NEWS**

Do you have any news you would like to share with the readers of Spotlight? Perhaps you're about to launch a new fund, have implemented a new investment strategy, or are considering investments beyond your usual geographic focus?

Send your updates to spotlight@preqin.com and we will endeavour to publish them in the next issue.









Join us and get FREE access to the 2018 Preqin Global Private Equity & Venture Capital Report worth \$175!

## CONSISTENT PERFORMING FUND MANAGERS

fund manager's ability to perform consistently across multiple vehicles within a fund series is a key consideration for investors. The tables below break down the consistent top performing fund managers by fund type (buyout, venture capital and fund of funds). The tables do not seek to endorse the fund managers that are listed but rather highlight those that have historically had the most consistent top fund performance.

#### Methodology:

- Preqin only assigns quartile rankings to funds that have been investing for three years or more.
- The lists are restricted to active fund managers that have raised a fund in the past six years or that are currently raising a fund, and have raised at least three funds of a similar strategy.
- An average quartile ranking is calculated and assigned to each fund

manager. Funds are then given a score based on the quartile ranking: top-quartile funds receive a score of 1.00, second-quartile funds are given a score of 2.00 etc., and then an average is taken.

Fig. 1: Most Consistent Performing Buyout Fund Managers

Firm	Headquarters	Overall No. of Funds with Quartile Ranking	No. of Funds in Top Quartile	No. of Funds in Second Quartile	Average Quartile Rank
Auctus Management	Munich, Germany	3	3	0	1.00
Clearview Capital	Stamford, US	3	3	0	1.00
Mason Wells	Milwaukee, US	3	3	0	1.00
Montefiore Investment	Paris, France	3	3	0	1.00
Pechel Industries	Paris, France	3	3	0	1.00
FIMI	Tel Aviv, Israel	5	4	1	1.20
Altor	Stockholm, Sweden	4	3	1	1.25
Inflexion	London, UK	4	3	1	1.25
Veritas Capital	New York, US	4	3	1	1.25
Quadrant Private Equity	Sydney, Australia	6	5	0	1.33
Vista Equity Partners	San Francisco, US	6	4	2	1.33
Altaris	New York, US	3	2	1	1.33
Corpfin Capital	Madrid, Spain	3	2	1	1.33
DFW Capital Partners	Teaneck, US	3	2	1	1.33
Egeria Capital Management	Amsterdam, Netherlands	3	2	1	1.33
Fortissimo Capital	Rosh Ha'ayin, Israel	3	2	1	1.33
Harwood Private Equity	London, UK	3	2	1	1.33
Industrial Growth Partners	San Francisco, US	3	2	1	1.33
Nautic Partners	Providence, US	3	2	1	1.33
TSG Consumer Partners	San Francisco, US	3	2	1	1.33
Wynnchurch Capital Partners	Rosemont, US	3	2	1	1.33
Seidler Equity Partners	Marina del Rey, US	5	4	0	1.40
American Securities	New York, US	5	3	2	1.40
Ethos	Illovo, South Africa	5	3	2	1.40
Waterland Private Equity Investments	Bussum, Netherlands	5	3	2	1.40
ABRY Partners	Boston, US	7	5	1	1.43
GI Partners	San Francisco, US	4	2	2	1.50
Thoma Bravo	Chicago, US	7	4	2	1.57
TA Associates	Boston, US	12	6	5	1.58

Fig. 2: Most Consistent Performing Venture Capital Fund Managers

Firm	Headquarters	Overall No. of Funds with Quartile Ranking	No. of Funds in Top Quartile	No. of Funds in Second Quartile	Average Quartile Rank
Pittsford Ventures Management	Pittsford, US	6	6	0	1.00
OrbiMed Advisors	New York, US	4	4	0	1.00
Benchmark Capital	Woodside, US	3	3	0	1.00
DN Capital	London, UK	3	3	0	1.00
Third Rock Ventures	Boston, US	3	3	0	1.00
Avalon Ventures	La Jolla, US	6	5	1	1.17
Sequoia Capital	Menlo Park, US	5	4	1	1.20
General Catalyst Partners	Cambridge, US	4	3	1	1.25
Columbia Capital	Alexandria, US	6	4	2	1.33
AJU IB Investment	Seoul, South Korea	3	2	1	1.33
Future Venture Capital	Kyoto, Japan	3	2	1	1.33
iNovia Capital	Montreal, Canada	3	2	1	1.33
Pontifax AgTech	Santa Monica, US	3	2	1	1.33
Battery Ventures	Boston, US	10	7	2	1.40
Summit Partners	Boston, US	10	6	4	1.40
CDH Investments	Beijing, China	5	3	2	1.40
Charles River Ventures	Palo Alto, US	5	3	2	1.40
GGV Capital	Menlo Park, US	5	3	2	1.40
Matrix Partners	Cambridge, US	6	4	1	1.50
Bain Capital Ventures	Boston, US	6	3	3	1.50
Kleiner Perkins Caufield & Byers	Menlo Park, US	6	3	3	1.50
BlueRun Ventures	Menlo Park, US	4	3	0	1.50
Vickers Venture Partners	Singapore	4	3	0	1.50
Merlin Nexus	New York, US	4	2	2	1.50

Source: Preqin Private Equity Online

Fig. 3: Most Consistent Performing Fund of Funds Managers

Firm	Headquarters	Overall No. of Funds with Quartile Ranking	No. of Funds in Top Quartile	No. of Funds in Second Quartile	Average Quartile Rank
Axiom Asia Private Capital	Singapore	3	2	1	1.33
Bowside Capital	Charleston, US	3	2	1	1.33
TrueBridge Capital Partners	Chapel Hill, US	5	4	0	1.40
Greenspring Associates	Owings Mills, US	7	5	1	1.43
Industry Ventures	San Francisco, US	7	4	3	1.43
HQ Capital International	New York, US	4	2	2	1.50

Source: Preqin Private Equity Online

#### **IDENTIFY TOP PERFORMING FUND MANAGERS**

Preqin's online platform can be used to identify fund managers with consistently high performance, using Preqin's quartile ranking system. Top performing fund managers can be filtered according to geographic fund focus and strategy.

www.preqin.com/privateequity

## **LARGEST FUND MANAGERS**

Fig. 1: North America - Largest Fund Managers by Total Capital Raised for Private Equity Funds in the Last 10 Years\*

Rank	Firm	Total Capital Raised in Last 10 Years (\$bn)	Estimated Dry Powder (\$bn)	Headquarters
1	Carlyle Group	97.7	33.5	Washington DC, US
2	Blackstone Group	71.0	27.3	New York, US
3	Apollo Global Management	61.8	27.1	New York, US
4	KKR	61.5	25.0	New York, US
5	TPG	54.3	9.8	Fort Worth, US

Source: Preqin Private Equity Online

Fig. 2: Europe - Largest Fund Managers by Total Capital Raised for Private Equity Funds in the Last 10 Years\*

Rank	Firm	Total Capital Raised in Last 10 Years (\$bn)	Estimated Dry Powder (\$bn)	Headquarters
1	SB Investment Advisers	93.0	77.9	London, UK
2	CVC Capital Partners	55.8	23.8	London, UK
3	Ardian	46.3	18.3	Paris, France
4	Apax Partners	35.9	9.4	London, UK
5	Partners Group	20.7	5.9	Baar-Zug, Switzerland

Source: Preqin Private Equity Online

Fig. 3: Asia - Largest Fund Managers by Total Capital Raised for Private Equity Funds in the Last 10 Years\*

Rank	Firm	Total Capital Raised in Last 10 Years (\$bn)	Estimated Dry Powder (\$bn)	Headquarters
1	China Reform Fund Management	20.2	13.8	Beijing, China
2	CCT Fund Management	19.6	13.8	Bejing, China
3	China Aerospace Investment Holdings	17.4	14.3	Beijing, China
4	Inventis Investment Holdings (China)	12.2	2.5	Shanghai, China
5	Baring Private Equity	11.3	1.7	Hong Kong

Source: Preqin Private Equity Online

Fig. 4: Rest of World - Largest Fund Managers by Total Capital Raised for Private Equity Funds in the Last 10 Years\*

Rank	Firm	Total Capital Raised in Last 10 Years (\$bn)	Estimated Dry Powder (\$bn)	Headquarters
1	The Abraaj Group	5.2	1.5	Dubai, United Arab Emirates
=	Pacific Equity Partners	5.2	0.8	Sydney, Australia
3	Gávea Investimentos	4.1	0.6	Rio de Janeiro, Brazil
4	Patria Investments	3.6	1.9	São Paulo, Brazil
5	Quadrant Private Equity	3.1	1.1	Sydney, Australia

<sup>\*</sup>Includes known separate accounts.

## **LARGEST INVESTORS**

Fig. 1: Largest Investors in Private Equity - Global

Rank	Investor	Allocation to PE (\$bn)	Туре	Location
1	CPP Investment Board	52.5	Public Pension Fund	Toronto, Canada
2	Abu Dhabi Investment Authority	39.6*	Sovereign Wealth Fund	Abu Dhabi, UAE
3	Kuwait Investment Authority	32.4	Sovereign Wealth Fund	Safat, Kuwait
4	GIC	32.3	Sovereign Wealth Fund	Singapore
5	APG - All Pensions Group	27.2	Asset Manager	Heerlen, Netherlands
6	California Public Employees' Retirement System (CalPERS)	26.9	Public Pension Fund	Sacramento, US
7	CDPQ	25.7	Public Pension Fund	Montreal, Canada
8	Ontario Teachers' Pension Plan	23.8	Public Pension Fund	Toronto, Canada
9	China Investment Corporation	22.1	Sovereign Wealth Fund	Beijing, China
10	National Pension Service	21.0	Public Pension Fund	Jeonju-Si, South Korea

Source: Preqin Private Equity Online

#### Fig. 2: Largest Investors in Private Equity - North America

Rank	Investor	Allocation to PE (\$bn)	Туре	Location
1	CPP Investment Board	52.5	Public Pension Fund	Toronto, Canada
2	California Public Employees' Retirement System (CalPERS)	26.9	Public Pension Fund	Sacramento, US
3	CDPQ	25.7	Public Pension Fund	Montreal, Canada
4	Ontario Teachers' Pension Plan	23.8	Public Pension Fund	Toronto, Canada
5	Washington State Investment Board	19.7	Public Pension Fund	Olympia, US

Source: Preqin Private Equity Online

#### Fig. 3: Largest Investors in Private Equity - Europe

Rank	Investor	Allocation to PE (\$bn)	Туре	Location
1	APG - All Pensions Group	27.2	Asset Manager	Heerlen, Netherlands
2	PGGM	13.6	Asset Manager	Zeist, Netherlands
3	European Bank for Reconstruction and Development	13.3	Bank	London, UK
4	Allianz Capital Partners	11.7	Asset Manager	Munich, Germany
5	Schroders	8.9	Asset Manager	London, UK

Source: Preqin Private Equity Online

#### Fig. 4: Largest Investors in Private Equity - Asia

Rank	Investor	Allocation to PE (\$bn)	Туре	Location	
1	GIC	32.3	Sovereign Wealth Fund	Singapore	
2	China Investment Corporation	22.1	Sovereign Wealth Fund	Beijing, China	
3	National Pension Service	21.0	Public Pension Fund	Jeonju-Si, South Korea	
4	Hong Kong Monetary Authority	16.2	Sovereign Wealth Fund	Hong Kong	
5	China Life Insurance	9.0	Insurance Company	Beijing, China	

Source: Preqin Private Equity Online

#### Fig. 5: Largest Investors in Private Equity - Rest of World

Rank	Investor	Allocation to PE (\$bn)	Туре	Location
1	Abu Dhabi Investment Authority	39.6*	Sovereign Wealth Fund	Abu Dhabi, UAE
2	Kuwait Investment Authority	32.4	Sovereign Wealth Fund	Safat, Kuwait
3	Future Fund	12.4	Sovereign Wealth Fund	Melbourne, Australia
4	Government Employees Pension Fund	6.5	Public Pension Fund	Pretoria, South Africa
5	African Development Bank	4.5	Bank	Abidjan, Ivory Coast

<sup>\*</sup>ADIA has an allocation of between 2% and 8%. Allocation is estimated on the basis of the midpoint of these two values (5%).



# STREAMLINE YOUR PORTFOLIO MANAGEMENT AND REPORTING PROCESS

Register for a demo today:



## PERFORMANCE BENCHMARKS

FUND STRATEGY: All Private Equity GEOGRAI					IIC FOCUS	All Regions			AS AT: 30 Ju	ine 2017		
		ı	Median Fun	d	Net Multiple Quartiles (X)			Net IRR Quartiles (%)			Net IRR Max/Min (%)	
Vintage	No. of Funds	Called (%)	Dist (%) DPI	Value (%) RVPI	Q1	Median	Q3	Q1	Median	Q3	Max	Min
2017	33	10.0	0.0	94.8	1.00	0.95	0.88	n/m	n/m	n/m	n/m	n/m
2016	141	23.0	0.0	96.5	1.07	0.98	0.86	n/m	n/m	n/m	n/m	n/m
2015	138	40.9	0.0	105.0	1.27	1.10	0.98	n/m	n/m	n/m	n/m	n/m
2014	129	64.5	3.9	107.8	1.32	1.18	1.06	19.6	12.0	5.5	80.0	-30.2
2013	126	80.0	15.5	112.4	1.45	1.30	1.18	22.1	14.7	9.7	93.4	-21.8
2012	110	86.0	25.2	104.7	1.75	1.40	1.24	23.0	15.0	9.6	284.9	-14.5
2011	99	93.2	46.0	99.7	1.91	1.47	1.32	21.7	15.3	9.3	87.7	-13.6
2010	72	96.9	67.6	85.7	1.90	1.55	1.30	19.8	14.1	8.3	80.3	-27.1
2009	70	96.1	77.6	65.0	1.92	1.65	1.35	19.5	12.4	8.3	40.6	-11.9
2008	129	97.2	94.9	61.0	1.93	1.64	1.34	18.8	11.7	7.6	60.5	-32.6
2007	158	98.3	113.3	43.0	1.93	1.61	1.37	15.6	11.1	7.7	53.7	-66.7
2006	163	98.0	114.7	30.3	1.87	1.57	1.26	13.4	8.7	5.9	79.0	-25.1
2005	147	99.5	130.6	10.4	1.76	1.50	1.23	14.2	8.4	4.3	105.5	-38.2
2004	86	99.1	151.6	1.4	2.25	1.63	1.21	28.8	10.3	4.6	89.2	-79.2
2003	84	100.0	153.4	0.0	2.19	1.63	1.24	20.0	11.9	5.4	239.8	-49.9
2002	85	97.8	152.6	0.0	2.04	1.55	1.21	22.8	12.3	4.0	93.0	-47.2
2001	122	100.0	158.3	0.0	2.16	1.61	1.13	25.0	13.0	5.4	64.4	-26.0
2000	193	99.0	149.0	0.0	2.10	1.50	0.94	21.7	11.7	1.2	52.9	-40.0
1999	154	100.0	124.2	0.0	1.84	1.28	0.66	15.7	6.0	-4.6	154.7	-43.4
1998	166	100.0	136.2	0.0	1.84	1.37	0.88	15.3	7.9	-1.0	514.3	-100.0
1997	154	100.0	149.9	0.0	2.34	1.50	1.12	32.5	12.5	3.2	267.8	-30.0
1996	90	100.0	181.3	0.0	2.51	1.81	1.14	40.1	15.4	5.1	188.4	-33.3
1995	88	100.0	190.1	0.0	2.72	1.90	1.21	34.8	17.0	5.0	447.4	-22.0
1994	95	100.0	198.0	0.0	3.09	1.98	1.46	40.4	22.6	10.8	318.0	-22.6
1993	77	100.0	247.5	0.0	3.52	2.48	1.59	44.8	27.7	13.2	105.7	-29.1

Fig. 1: All Private Equity: Median Net IRRs and Quartile Boundaries by Vintage Year (As at June 2017)

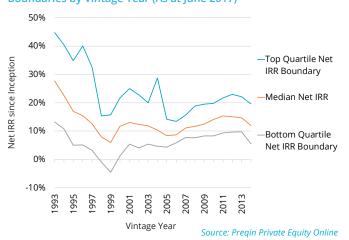


Fig. 2: All Private Equity: Median Net Multiples by Vintage Year (As at June 2017)



## **CONFERENCES**

_	_	_	_	 _	_	 _	_	_

Conference	Dates	Location	Organizer	Preqin Speaker	Discount Code
India in partnership with The Institute of Chartered Accountants of India	8 - 10 February 2018	Mumbai	CAIA	-	-
SuperReturn US West	12 - 14 February 2018	San Francisco, CA	KNect365	Patrick Adefuye Felice Egidio	10% Discount – FKR2457PRQ
CryptoAssets Conference	13 February 2018	Vancouver	CryptoAssets	-	25% Discount – PREQIN18
Alternative Lending Forum	14 February 2018	London	BVCA	Mark O'Hare	-
0100 Conference Vienna 2018	15 February 2018	Vienna	0100 Conferences	-	10% Discount – VIE10DCPQ
Private Equity & Venture Capital Summit 2018	19 - 20 February 2018	Munich	WM Gruppe	Mark O'Hare	-
India Limited Partners Summit 2018	20 - 21 February 2018	Mumbai	News Corp VCCircle	-	-
Preqin Breakfast Seminar: Alternatives in 2018 - London	20 February 2018	London	Preqin	Chris Elvin Elias Latsis	-
Preqin Breakfast Seminar: Alternatives in 2018 - New York	21 February 2018	New York, NY	Preqin	Ryan Flanders Leopold Peavy	-
Polish Private Equity Conference	22 February 2018	Warsaw	Private Equity Insights	-	-
AIMA Webinar: Japan High-Speed Trading	22 February 2018	Singapore	AIMA	-	-
24th Annual Columbia Business School Private Equity Conference	23 February 2018	New York, NY	Columbia Business School	-	-
European Family Office Winter Forum	26 - 27 February 2018	London	Opal Financial Group	-	-
SuperReturn International 2018	26 February - 1 March 2018	Berlin	KNect365	Mark O'Hare Oliver Senchal Ryan Flanders	10% Discount – FKR2455PRQW
SuperVenture	26 - 27 February 2018	Berlin	KNect365	Felice Egidio	10% Discount – FKR2458PRQ
AVCJ Private Equity and Venture Forum - Australia & New Zealand 2018	28 February - 2 March 2018	Sydney	AVCJ	-	-

#### **MARCH 2018**

Conference	Dates	Location	Organizer	Preqin Speaker	Discount Code
Family Office Winter Forum	1 March 2018	New York, NY	Opal Financial Group	-	-
The Private Equity Technology Insight Briefing	6 March 2018	London	Touchstone CRM	Chris Elvin	-
IVCA Conclave 2018	7 March 2018	Mumbai	IVCA	-	-
AIMA Singapore Seminar: Tax Update	7 March 2018	Singapore	AIMA	-	-
11th Annual Women's Private Equity Summit (WPES)	7 - 9 March 2018	California	Falk Marques Group	-	-
Preqin Breakfast Seminar: Alternatives in 2018 - Singapore	7 March 2018	Singapore	Preqin	Ee Fai Kam Amy Bensted	-
Nordic Private Capital Day	8 March 2018	Stockholm	Private Equity Insights	-	30% Discount – NPCD_Preqin
LPGP Connect Private Debt London	13 March 2018	London	LPGP Connect	Ryan Flanders	-

#### FAMILY OFFICE WINTER SYMPOSIUM

**DATE:** 1 March 2018

INFORMATION: www.opalgroup.net/trk/fowfc1803.html
LOCATION: New York Mariott Marquis, New York, NY

ORGANIZER: Opal Group

The event aligns with the culture of the city that never sleeps. Trending investment topics will be addressed by some of Wall Street's most sought after managers and advisors. Themes of family governance, alternatives, and impact investing, will have even the most cynical of New Yorkers believing in their financial future.

#### THE PRIVATE EQUITY TECHNOLOGY INSIGHT BRIEFING

DATE: 6 March 2018

INFORMATION: https://touchstonecrm.co.uk/private-equity-tech-event/

LOCATION: London

ORGANIZER: TouchstoneCRM

Join TouchstoneCRM and Preqin at the Shard to discover the latest trends and technologies accelerating growth within private equity. In 2 hours, we'll demonstrate what intelligent business applications and business strategies top firms are harnessing to re-invent productivity across deal flow, investor relations and fundraising teams.

#### **INDIA CONCLAVE 2018**

**DATE:** 7 March 2018

INFORMATION: http://www.ivcaconclave2018.in/

LOCATION: Mumbai
ORGANIZER: IVCA

IVCA conclave is India's premiere private equity and venture capital event. This annual flagship event is now in its 7th year. Focused on the Private Equity and Venture Capital investments in India, this exclusive event is designed to be an ideal environment for exchange of ideas, exploring business opportunities, LP-GP pitches, securing long term source of capital, assessing regulatory scenario and high-end networking among the PE/VC investors, Limited Partners, Family Offices, Entrepreneurs, Angel Investors,

Consultants/ Advisors and other investment professionals. India has been ranked as the most attractive emerging market for GP investment in 2017 by respondents to EMPEA's 2017 Global Limited Partners Survey. In many ways this upcoming conclave will showcase a major shift in terms of future potential and investment themes at a time when Limited Partners are diversifying commitments across platforms and regions.

#### **WOMEN'S PRIVATE EQUITY SUMMIT**

**DATE:** 7 - 9 March 2018

INFORMATION: www.WomensPrivateEquitySummit.com
LOCATION: The Ritz Carlton, Half Moon Bay, California

**ORGANIZER:** Falk Marques Group

The 2018 Women's Private Equity Summit, to be held March 7 – 9, 2018 at The Ritz-Carlton, Half Moon Bay, California, will bring together an impressive group of more than 500 private equity and venture capital leaders for two days of high-level discussion and non-stop networking.

#### **ALTSLA**

**DATE:** 21 March 2018 **INFORMATION:** altsla.com

LOCATION: The Westin Bonaventure Hotel & Suites, Los Angeles, California

ORGANIZER: Markets Group, CFA Society LA, CAIA and the CalALTS Association

ALTSLA is an educationally focused alternative investment conference designed to bring the professional investor community together for a full day of dialogue and discussion on the most relevant topics facing investors today. The meeting is designed to provide relevant, educationally focused content for individuals who manage, advise, allocate to, or oversee alternatives.

#### **ENROUTE PRIVATE CAPITAL MEETING - KUALA LUMPUR**

**DATE:** 28 March 2018

INFORMATION: https://pe-techconference.com/enroute-meeting/kl/

LOCATION: Kuala Lumpur

ORGANIZER: PETC

EnRoute Meeting - Kuala Lumpur is an excellent networking platform for investors, fund managers and exciting companies of the private equity and venture capital industry to meet and exchange insights. The half-day event will gather 80+ attendees for a range of interactive panel discussions over an informal yet distinguishable lunch session.

#### **CATALYST CAP INTRO: PRIVATE EQUITY FUND INVESTING**

**DATE:** 9 April 2018

INFORMATION: https://catalystforum.com/events/private-equity-fund-investing-3/

**LOCATION:** New York City

**ORGANIZER:** Catalyst Financial Partners

Catalyst Cap Intro events are investor driven and transactional events that host alpha-oriented investment managers and institutional grade investors that are introduced to each other with a view to become investment partners.

This Catalyst Cap Intro Event focuses on the Private Equity Fund investing industry.

#### 0100 CONFERENCES DUBLIN 2018

**DATE:** 11 - 12 April 2018

INFORMATION: www.0100conferences.com

LOCATION: Hotel Hilton Charlemont Place, Dublin, Ireland

**ORGANIZER:** 0100 Conferences

The 2 day event gathering VC/PE decision makers; leading fund managers, family offices, business angels, fund of funds, pension funds, and sovereign funds from UK, Ireland, Nordics, Western Europe and the US.

1st day of the conference is exclusively for LPs and 2nd day is the LP-GP summit.









#### Strategies:

Venture capital
High growth
Mid-market
Pre-IPO
International funds
Direct deals
Health care, TMT
Internet, IoT,
Business services,
Energy & Oil,
Entertainment & Films

#### Award Winning Capital Raising Events

#### CATALYST CAP INTRO:

## PRIVATE EQUITY

**FUND INVESTING** 

#### Your Key to Capital Raising!

Catalyst Cap Intro Events are sector focused, investor driven events that host hand-picked investment managers and investors that are introduced to each other with a view to become investment partners.

This Catalyst Cap Intro Event focuses only on the Private Equity Fund investing sectors.

Introductions are accomplished through private meetings which are arranged prior the events, in an investor driven fashion based on the merits of each investment manager and the requests made by the investors.



Investors constitute predominantly single and multi-family offices, endowment and foundations, and their advisors, located on the US East Coast corridor, but also internationally.

This production builds on Catalyst's history and successful track record in putting together industry-recognized and effective capital raising events.



New York City, April 9, 2018

Catalyst Financial Partners

Catalyst Financial Partners LLC 1185 6th Avenue, 3rd Fl., NY, NY 10036 T: +1 212 966 2993 E: info@catalystforum.com

www.catalystforum.com

#### **IBERIAN PRIVATE EQUITY CONFERENCE**

19 April 2018

**INFORMATION:** http://pe-conference.org/iberian/

**LOCATION:** Madrid

**ORGANIZER: Private Equity Insights** 

The Iberian PE Conference provides the most unrivalled networking opportunities in the Iberian Private Equity market. On 19th April 2018, come and meet over 60 LPs, 70 GPs and 50 CEOs in Madrid.

#### SUPERRETURN CHINA

**DATE:** 7 - 9 May 2018

**INFORMATION:** https://finance.knect365.com/superreturnchina/?vip code=FKR2452PRQ

The Four Seasons, Beijing **LOCATION:** 

**ORGANIZER:** KNect365

Realise the potential of private equity in China.

- · 300+ global private equity professionals
- 150+ local and international LPs
- 100+ world leading GPs

SuperReturn China brings together the leading lights of the Chinese private equity world with experienced professionals bringing global scale and perspective.

Pregin subscribers get a 10% discount – quote VIP code FKR2452PRQ.





THE PRIVATE EQUITY TECH INSIGHT BRIEFING

TRANSFORMING DEAL FLOW, FUNDRAISING, INVESTOR RELATIONS AND ANALYTICS

> SHANGRI-LA AT THE SHARD | 6TH MARCH 9AM - 11AM

## IVCA Conclave 2018 Speakers









and many more...

#IVCAConclave2018 #IVCAEvents

www.ivcaconclave2018.in



## 7th, 8th March 2018 Taj Lands End, Mumbai 7th Edition

Contact: aakriti@ivca.in for sponsorships, amit.pandey@ivca.in for event details