## **Citi Depositary Receipt Services**



# Mid-Year 2019 Report



## 2019 Mid-Year Highlights

- Depositary receipt (DR) capital raising totaled \$10.4 billion globally
- DR trading volume was up 8% to 82.4 billion shares in the first half of 2019 versus 76.6 billion in the first half of 2018
- DR trading value was down 18% to \$1,805.5 billion in the first half of 2019 versus \$2,194.6 billion in the first half of 2018
- The value of DRs held by institutional investors totaled \$1.1 trillion as of Q2 2019
- The pool of unsponsored ADR programs remains strong at 1,451 programs



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## **Q** DR ACCESS PRODUCTS

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INTERNATIONAL INVESTING TRENDS

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## About Citi Depositary Receipt Services





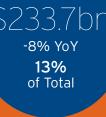
# 1. Global DR Trends



# Global DR Liquidity

DR TRADING VALUE

DR TRADING VOLUME



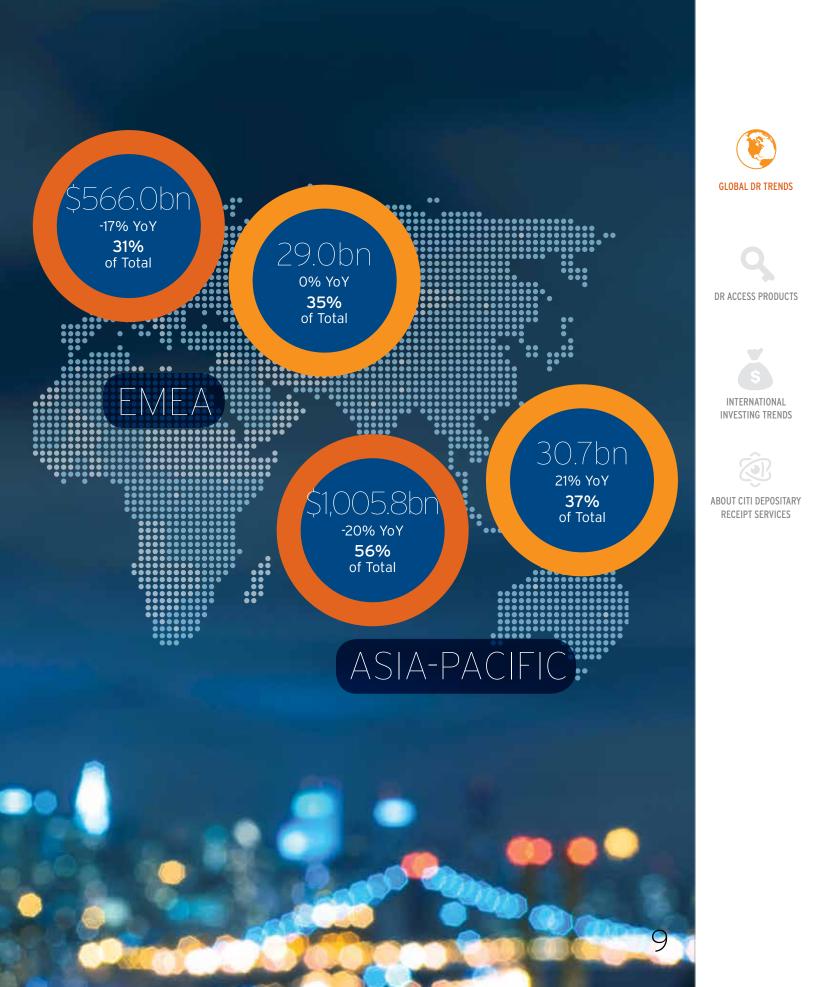
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22.6bn

2% YoY **28%** of Total

TOTAL: \$1,805.5bn in Global DR Trading Value 82.4bn in Global DR Trading Volume

#### Citi Depositary Receipt Services Mid-Year 2019 Report



## DR Liquidity Highlights

#### Trading Value

- Down 18% from the 1st half of 2018 primarily due to decreases in DR trading value on NYSE and NASDAQ
- **56%** of total from Asia-Pacific
- **31%** of total from EMEA
- **13%** of total from LATAM

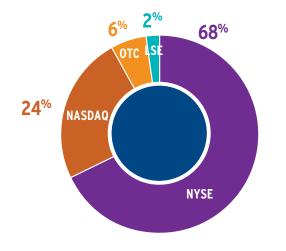
#### Trading Volume

- Up **8%** from the 1st half of 2018 primarily due to increases in DR trading volume on NYSE
- **37%** of total from Asia-Pacific
- **35%** of total from EMEA
- 28% of total from LATAM

## Global DR Liquidity (cont.)

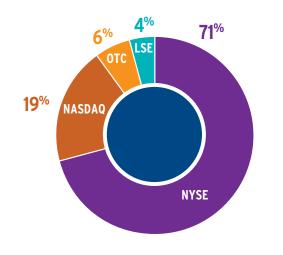
## Most Liquid DR Exchanges

## DR Trading Value<sup>1</sup>



Total DR Value: \$1,805.5bn

## DR Trading Volume<sup>1</sup>



Total DR Volume: 82.4bn DRs Traded

## Top 10 Most Liquid DR Programs

## By Trading Value<sup>1</sup>

Issuer	Country	Exchange	YTD June 2019 Value (USD Billions)
Alibaba Group Holding Ltd	China	NYSE	\$340.1
Baidu Inc	China	NASDAQ	\$68.3
JD.com Inc	China	NASDAQ	\$56.2
Petroleo Brasileiro SA	Brazil	NYSE	\$45.7
Vale SA	Brazil	NYSE	\$43.9
Taiwan Semiconductor Manufacturing Co Ltd	Taiwan	NYSE	\$42.4
Royal Dutch Shell PLC	UK	NYSE	\$32.3
BP PLC	UK	NYSE	\$27.3
iQIYI Inc	China	NASDAQ	\$26.7
Novartis AG	Switzerland	NYSE	\$24.4

### By Trading Volume<sup>1</sup>

Issuer	Country	Exchange	YTD June 2019 Volume (Millions)
NIO Inc	China	NYSE	3,535.5
Ambev SA	Brazil	NYSE	3,503.8
Vale SA	Brazil	NYSE	3,447.6
Nokia OYJ	Finland	NYSE	3,144.6
Petroleo Brasileiro SA	Brazil	NYSE	3,029.9
Itau Unibanco Holding SA	Brazil	NYSE	2,386.8
JD.com Inc	China	NASDAQ	2,061.9
Alibaba Group Holding Ltd	China	NYSE	2,023.0
Banco Bradesco SA	Brazil	NYSE	1,846.8
Teva Pharmaceutical Industries Ltd	Israel	NYSE	1,704.8

Source: Bloomberg and Depositary Data Interchange.

<sup>1</sup> Data as of June 30, 2019.





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# Global DR Capital Raisings



**The JOBS Act of 2012:** The Jumpstart Our Business Startups Act (JOBS Act) was enacted by the U.S. Congress in 2012 to encourage more companies, including non-U.S. companies, to raise capital through initial public offerings and list in the U.S.

## DR Capital Raisings Highlights

- Total DR capital raised was up 25% versus first half of 2018
- DR IPO capital raisings down **23%** to **\$4.3 billion**
- DR follow-on capital raisings up **125%** to **\$6.1 billion**
- ADR capital raisings up **18%** to **\$8.7 billion**
- GDR capital raisings up **77%** to **\$1.7 billion**
- **16** issuers completed IPOs by way of the JOBS Act

Data as of June 30, 2019.



The JOBS Act established a new category of issuer known as an Emerging Growth Company (EGC) for which significant regulatory burdens were lifted. A company qualifies as an EGC if it had less than \$1.07 billion in gross revenues during the most recently completed fiscal year. Notably, EGCs receive certain exemptions from procedural and disclosure requirements during a transition period of up to five years following an IPO.







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## Global DR Capital Raisings (cont.)

### **DR IPOs<sup>1</sup>**

lssuer	Country	Industry <sup>2</sup>	USD Value (in Millions)
Huatai Securities Co., Ltd*	China	Financials	\$1,692
Luckin Coffee Inc.	China	Food & Staples Retailing	\$678
Linx S.A.	Brazil	Software & Services	\$257
Jumia Technologies AG	Germany	Retailing	\$225
HeadHunter Group PLC	Cyprus	Industrials	\$220
GSX Techedu Inc.	China	Information Technology	\$208
So-Young International Inc.	China	Health Care	\$179
Genfit	France	Pharmaceuticals, Biotechnology	\$145
Ruhnn Holding Limited*	China	Media	\$125
Yunji Inc.	China	Consumer Discretionary	\$121
UP Fintech Holding Limited	China	Financials	\$104
Futu Holdings Limited	China	Financials	\$104
Stealth BioTherapeutics Corp.*	Cayman Islands	Pharmaceuticals, Biotechnology	\$85
Bicycle Therapeutics*	UK	Pharmaceuticals, Biotechnology	\$65
Jiayin Group Inc.*	China	Diversified Financials	\$42
BrainsWay Ltd	Israel	Pharmaceuticals, Biotechnology	\$31
Anchiano Therapeutics Ltd.	Israel	Pharmaceuticals, Biotechnology	\$31
Puyi Inc.	China	Financials	\$26
Grand Total			\$4,337

Source: Bloomberg and Depositary Data Interchange.

\*Signifies Citi DR program capital raising.

IPO Deals in **bold italics** signify a JOBS Act Deal.

<sup>1</sup> Defined as capital raising at the time of listing of a new DR security, data as of June 30, 2019.

<sup>2</sup> Industry as defined by Bloomberg.

## DR Follow-On Offerings<sup>1</sup>

lssuer	Country	Industry <sup>2</sup>	USD Value (in Millions)
Pinduoduo Inc.	China	Consumer Discretionary	\$1,581
Sea Limited	Singapore	Software & Services	\$1,553
Ascendis Pharma A/S	Denmark	Pharmaceuticals, Biotechnology	\$575
GDS Holdings Ltd.	China	Information Technology	\$460
HUYA Inc.	China	Media	\$442
Bilibili Inc.	China	Software & Services	\$324
Zai Lab Limited*	China	Pharmaceuticals, Biotechnology	\$230
Veon	Netherlands	Telecommunication Services	\$216
Endava plc*	UK	Software & Services	\$157
Orchard Therapeutics plc*	UK	Pharmaceutical	\$139
Autolus Therapeutics plc*	UK	Pharmaceuticals, Biotechnology	\$116
Qutoutiao Inc	China	Media	\$100
Huami Corporation	China	Consumer Discretionary	\$77
JinkoSolar Holding	China	Energy	\$75
DBV Technologies S.A.*	France	Pharmaceuticals, Biotechnology	\$33
BioLineRX	Israel	Pharmaceuticals, Biotechnology	\$15
Cellect Biotechnology Ltd.	Israel	Pharmaceuticals, Biotechnology	\$7
Foresight Autonomous Holdings Ltd	Israel	Technology Hardware & Equipment	\$6
Immuron Limited	Australia	Pharmaceuticals, Biotechnology	\$2
Grand Total			\$6,107



DR ACCESS PRODUCTS

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Source: Bloomberg and Depositary Data Interchange.

\*Signifies Citi DR program capital raising.

Deals in **bold italics** signify a JOBS Act Deal.

<sup>1</sup> Defined as capital raising at the time of listing of additional DR securities including rights offerings, and private placements. Data as of June 30, 2019.

<sup>2</sup> Industry as defined by Bloomberg.

## Global DR Trends by Sector

## Global DR Liquidity by Industry

## DR Trading Value (in USD Billions)<sup>1</sup>

INDUSTRY		YTD June 2019 VALUE	CHANGE vs. YTD June 20	018
	Internet	\$640	-27% 🦞	6
	Oil & Gas	\$151	-21% 🦞	6
$\checkmark$	Pharmaceuticals	\$136	4% 9	6
<u> </u>	Banks	\$125	-6% 🧏	6
	Software	\$107	-5% 🦞	6
惫	Telecommunications	\$78	1% 🦻	6
¢	Semiconductors	\$71	-16% 🦞	6
	Iron/Steel	\$62	-7% 🢡	6
2	Mining	\$61	-9%	6
Ţ	Beverages	\$46	-26% 🦻	6

## DR Trading Volume (in Billions)<sup>1</sup>

INDUSTRY		YTD June 2019 VOLUME	CHANG vs. YTD June	E 2018
	Internet	12	1%	%
Î	Banks	12	5%	%
惫	Telecommunications	8	21%	%
	Oil & Gas	7	-25%	%
	Iron/Steel	6	7%	%
$\checkmark$	Pharmaceuticals	5	18%	%
Y	Beverages	4	19%	%
	Auto Manufacturers	4	782%	%
	Software	4	54%	%
- Al	Mining	4	-6%	%

## Global DR Capital Raisings by Industry

## DR IPOs (in USD Millions)<sup>1</sup>

INDUSTRY		YTD June 2019 VALUE
\$	Financials	\$1,925
	Food & Staples Retailing	\$678
888	Pharmaceuticals, Biotechnology	\$357
	Software & Services	\$257
	Retailing	\$225
<u>í</u>	Industrials	\$220
$\bigoplus$	Information Technology	\$208
	Health Care	\$179
*	Media	\$125
Ť	Consumer Discretionary	\$121
	Diversified Financials	\$42
	Grand Total	\$4,337





INTERNATIONAL INVESTING TRENDS

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### DR Follow-On Offerings (in USD Millions)<sup>1,2</sup>

INDUSTRY		YTD June 2019 VALUE
	Software & Services	\$2,033
Ť	Consumer Discretionary	\$1,659
8\$8	Pharmaceuticals, Biotechnology	\$978
2	Media	\$542
$\bigoplus$	Information Technology	\$460
<u>æ</u>	Telecommunication Services	\$216
÷	Pharmaceutical	\$139
æ.	Energy	\$75
×	Technology Hardware & Equipment	\$6
	Grand Total	\$6,107

<sup>2</sup> Defined as capital raising at the time of listing of additional DR securities including rights offerings and private placements.

# 2. DR Access Products



## Unsponsored DR Programs

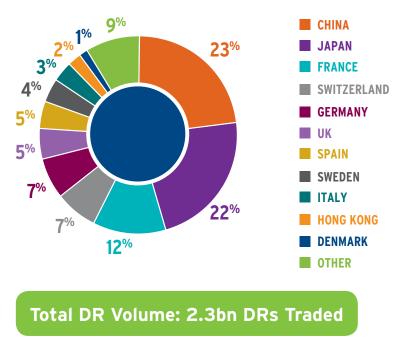
## Number of DR Programs<sup>1</sup>

#### 18% **JAPAN** UK 28% CHINA HONG KONG **9**% **GERMANY** 3% FRANCE **g%** 3% ITALY 3% **SWITZERLAND** 3% 8% SWEDEN 5% 5% 6% **INDONESIA**

Total DR Program Count: 1,451

**OTHER** 

## DR Trading Volume<sup>1</sup>



Unlike traditional sponsored ADR programs, unsponsored ADR programs are established by a depositary bank without the direct involvement of the respective non-U.S. company, provided that the company's securities represented by the ADRs are either registered or qualify for an exemption from Securities and Exchange Commission (SEC) registration. An October 2008 SEC rule change simplified the manner in which this exemption is obtained, making it automatically available to many non-U.S. companies provided they meet certain requirements.

## Unsponsored DR Highlights

#### Trading Volume

- Up 5% from first half of 2018 primarily due to increases in trading volume from Japan and France
- **22%** of total from internet companies
- 8% of total from banks
- **6%** of total from retail companies

### Top 10 Unsponsored DR Programs

lssuer	Country	YTD June 2019 Volume (Millions)
Tencent Holdings Ltd	China	438.5
Nintendo Co Ltd	Japan	55.5
Cie Financiere Richemont SA	Switzerland	54.0
SoftBank Group Corp	Japan	51.2
FANUC Corp	Japan	42.2
Auto Trader Group PLC	UK	41.6
Glencore PLC	Switzerland	36.2
Mongolian Mining Corp	Mongolia	30.8
Industria de Diseno Textil SA	Spain	30.7
CaixaBank SA	Spain	29.4

Source: Bloomberg and Depositary Data Interchange.

## **Top 10 Volume Movers**

IssuerCountryYTD June 2018YTD June 2019Increase/ (Decrease)2Tencent Holdings LtdChina544.5438.5(106.1)
Tencent Holdings Ltd China 544.5 438.5 (106.1)
Auto Trader Group PLC UK 77.3 41.6 (35.7)
Hennes & Mauritz ABSweden38.714.0(24.7)
Mitsubishi Estate Co LtdJapan28.64.7(23.9)
Coloplast A/S Denmark 28.0 5.9 (22.1)
Ubisoft Entertainment SAFrance9.827.217.4
FANUC Corp Japan 59.1 42.2 (16.9)
Cie Financiere Richemont SASwitzerland38.454.015.6
Siemens Healthineers AGGermany34.015.615.6
CK Hutchison Holdings LtdHong Kong42.627.6(15.0)

Source: Bloomberg and Depositary Data Interchange.

<sup>1</sup> Data as of June 30, 2019.

<sup>2</sup>Absolute Change in DR trading volume.



INTERNATIONAL INVESTING TRENDS

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## Global Depositary Notes (GDNs)

## **GDNs for Issuers**

A GDN program can also be employed by an issuer of local bonds as a mechanism to expand distribution in a primary market offering transaction

### Efficient Access to Local Debt Securities in a Depositary Receipt Format

#### **GDNs Evidence Ownership of Local Bonds**

• Like ADRs and GDRs, GDNs replicate the characteristics (interest rate, maturity date, credit quality, etc.) of the respective underlying fixed-income local securities and are fungible with the underlying securities

## GDNs Facilitate the Global Trading and Settlement of Local Bonds

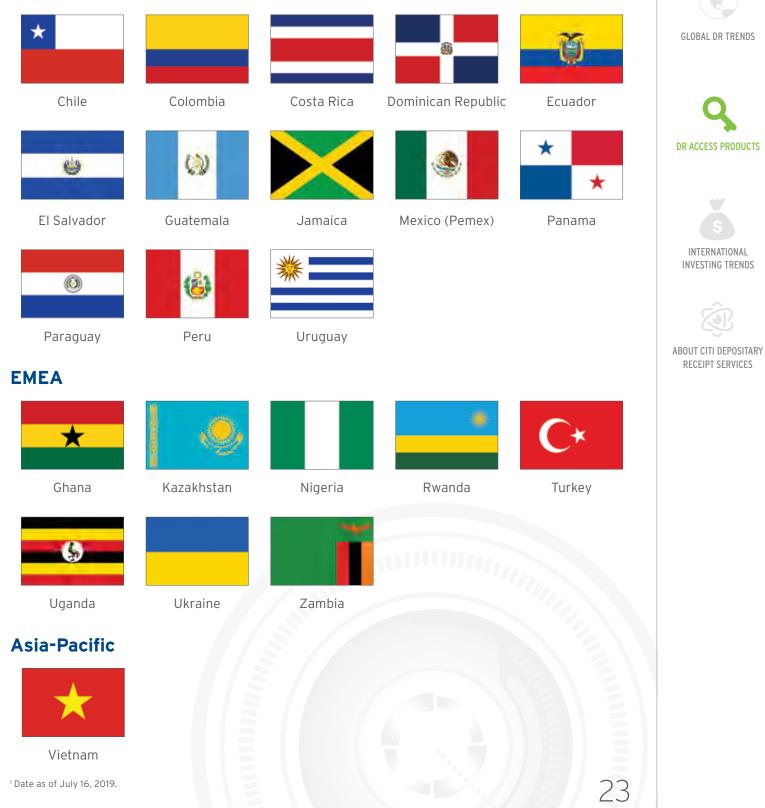
- Euroclear, Clearstream and DTC eligible
- Can be purchased or sold via multiple broker-dealers
- Made available to institutional investors globally, via Reg S and Rule 144A

#### GDNs are Denominated and Transacted in U.S. Dollars

- Trading, settlement and payment of interest and principal in U.S. dollars
- The depositary bank (such as Citi) conducts the exchange of local currency for U.S. dollars in relation to cash distributions from the underlying local bonds

### **Current GDN Markets<sup>1</sup>**

LATAM



# 3. International Investing Trends









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ABOUT CITI DEPOSITARY RECEIPT SERVICES

## International Investor Highlights

- The value of institutional holdings of DRs was \$1,088.6 billion as disclosed in June 2019
- In terms of investor type, Mutual funds accounted for roughly 76% of the DR value held
- In terms of investment style, growth, value and GARP funds accounted for roughly 68% of the DR value held

# Institutional DR



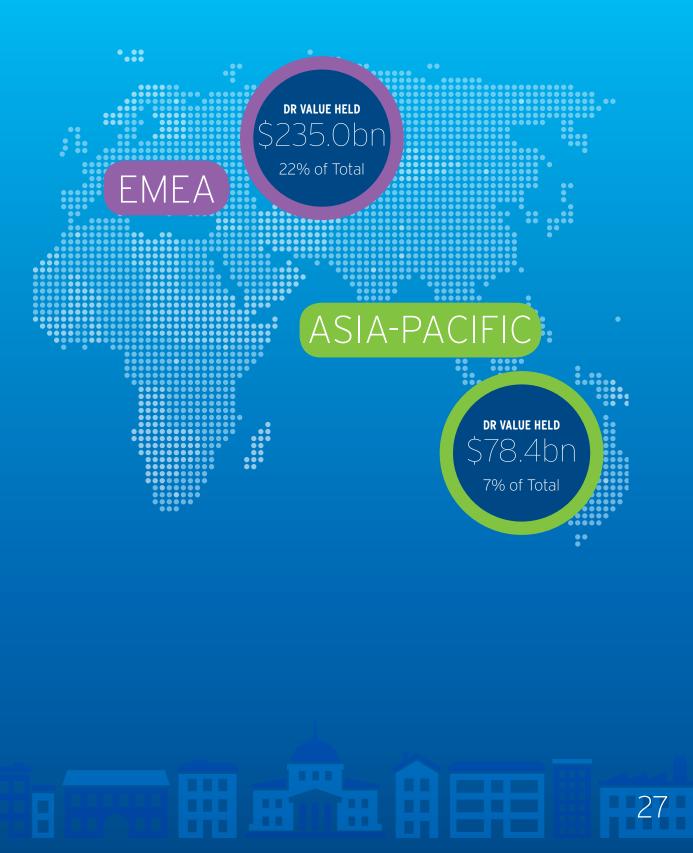
**GLOBAL DR TRENDS** 

DR ACCESS PRODUCTS

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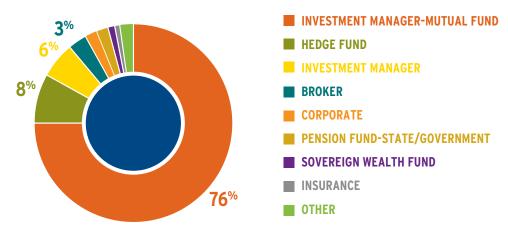
# Ownership Disclosed



## Institutional DR Ownership (cont.)

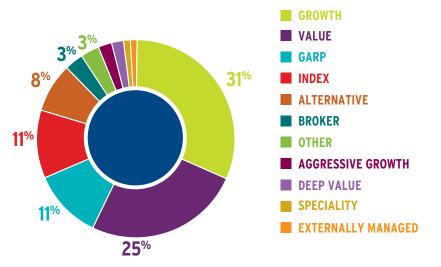
## **Top Institutional Holders of DRs**

## By Investor Type<sup>1</sup>



#### Total Value of DRs Held: \$1,088.6bn

### By Investment Style<sup>1,2</sup>



#### Total Value of DRs Held: \$1,088.6bn

<sup>1</sup> Investment Style and Investor Type as defined by Ipreo. Data as of July 1, 2019.

<sup>2</sup>GARP Funds: Growth at a Reasonable Price (GARP) investors hold securities that are trading at a discount to the market, but are expected to grow at a higher than the market or industry average. These companies are typically out of favor systematically or temporarily. This is a more conservative investment style compared to an outright growth-oriented strategy. Dividend yield is generally not a concern of GARP investors.

## Top Institutional Holders of DRs by Holder<sup>1,2</sup>

Holder Name	Country	Investment Style	Investor Type	Value of DRs Held (USD Billions)
Fisher Investments	US	GARP	Mutual Fund	\$28.0
The Vanguard Group, Inc.	US	Index	Mutual Fund	\$27.2
BlackRock Fund Advisors	US	Index	Mutual Fund	\$26.7
Fidelity Management & Research Company	US	Growth	Mutual Fund	\$26.2
Baillie Gifford & Company	UK	Growth	Mutual Fund	\$23.7
T. Rowe Price Associates, Inc.	US	Growth	Mutual Fund	\$23.6
Capital World Investors (U.S.)	US	Value	Mutual Fund	\$22.8
Capital Research Global Investors (U.S.)	US	GARP	Mutual Fund	\$17.6
Dodge & Cox	US	Value	Mutual Fund	\$17.5
State Street Global Advisors (SSgA)	US	Index	Mutual Fund	\$15.9

GLOBAL DR TRENDS

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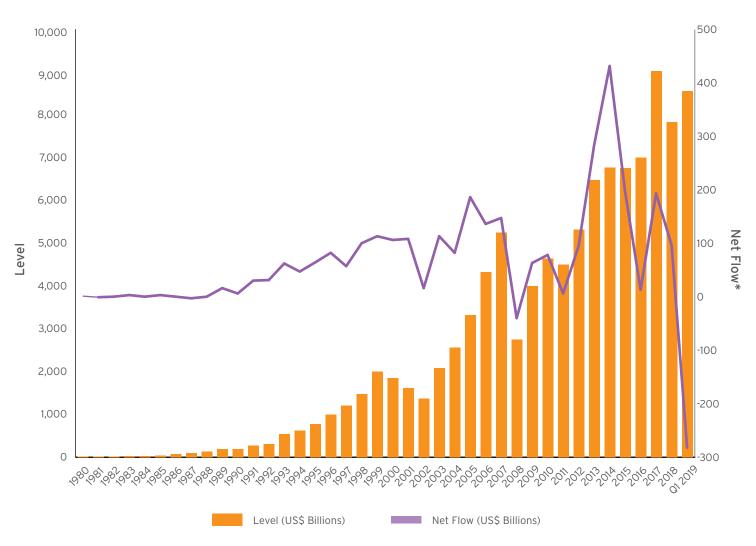
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# International Investing

## U.S. Investment in non-U.S. Equities

According to U.S. Federal Reserve data, U.S. investment in non-U.S. equities as of Q1 2019 was \$8.6 trillion, up 9% from Q4 2018 level of \$7.8 trillion.



\*Positive flows represent inflows and negative flows represent outflows.

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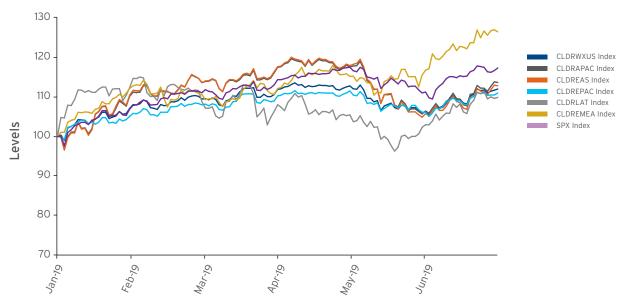
# -Trends

## Citi Liquid DR Indices

Citi Depositary Receipt Services maintains the Citi Liquid DR (CLDR) Indices to provide insight into international investor sentiment towards non-U.S. markets.

The CLDR Indices are free-float, market cap weighted and include only those companies that have actively traded U.S. exchange-listed ADRs or London-listed GDRs. The CLDR Indices are distinctive in that they:

- Provide a timely gauge of international investor sentiment towards non-U.S. markets at the end of the U.S. trading day, considering that all of the constituent equities trade in the U.S. and/or London time zones
- More completely capture U.S. and international investor sentiment towards emerging markets by including London traded GDRs, unlike other DR indices
- Include one of the few publicly available DR indices for Asia-Pacific ex-Japan and Asia-Pacific growth economies



### CLDR YTD June 2019 Performance<sup>1,2</sup>

Source: Bloomberg.

<sup>1</sup> Data as of June 30, 2019.

<sup>2</sup>CLDRWXUS: World ex-U.S. Liquid DR Index; CLDRLAT: Latam Liquid DR Index; CLDRAPAC: AsiaPac ex-Japan Liquid DR Index; CLDREAS: AsiaPac Growth Economies Liquid DR Index; CLDREPAC: EuroPac Liquid DR Index; CLDREMEA: EMEA Liquid DR Index; SPX: S&P 500. 



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# 4. About Citi Depositary Receipt Services

iti Depositary Receipt Services is a leader in bringing quality issuers to global capital markets and in promoting DRs as an effective capital markets tool.









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## About Citi DR Services

iti began offering DRs in 1928 and today is widely recognized for providing issuers with its powerful global platform, facilitating access to a global network that issuers can use to build and grow their DR programs.

In support of a DR program, Citi Depositary Receipt Services provides issuers with access to the following value-added resources:

- Global sales and equity distribution network with access to large and mid-tier institutional investors
- Dedicated Account Management team that enables a single point of contact for comprehensive support
- Specialized Structuring and Implementation team that facilitates the efficient execution of transactions
- Innovative Product Management team to develop solutions for enhanced access to markets and investors
- Investor Relations (IR) Advisory which is a team of former in-house corporate IR executives which counsels and supports clients in all aspects of their global IR objectives

GLOBAL DR TRENDS

## Global Distribution

Citigroup (Citi) is a leading global financial services company with approximately 200 million customer accounts in more than 160 countries. We provide consumers, corporations, governments and institutions with a broad range of financial products and services including consumer banking and credit, corporate and investment banking, securities brokerage and wealth management.

For DR clients, our services encompass information, support and counsel to major global issuers, as well as access to broad broker and investor audiences. We assist clients in accessing a diverse range of investors, including the largest global portfolio managers, wealth management advisory firms, Separately Managed Accounts (SMA) portfolios and specialized hedge funds. Our local presence in many markets is unmatched by any other depositary bank and we facilitate superior liquidity for our programs via our global distribution network.

Citi's network is composed of salespeople and sales traders around the world, and is one of the largest institutional networks for DRs. Together with our comprehensive range of reporting, investor targeting and analytical services, Citi is in a leading position to administer and grow clients' DR programs globally. No other depositary bank provides such a comprehensive network.

Citi's commitment to provide issuers with access to a comprehensive suite of value-added resources, including a combination of global reach and local expertise, access to an industry-leading global equity distribution network and specialized global investor relations support, helped Citi win key depositary bank mandates in the first half of 2019.



INTERNATIONAL INVESTING TRENDS



## Investor Relations

Citi Depositary Receipt Services is committed to providing issuers with expertise, resources and strategic concepts to support their IR program taking into account the unique situation of each company. We work together with the IR team and assist them in putting together the tools and activities that they need to achieve their specific IR goals.

In our ever faster changing world, IROs are facing many challenges generated by factors such as the macro environment, shifting investor tactics, the permeation of big data in investment strategies, the continually rising focus on ESG as well as changes in the regulatory environment. Citi's IR Advisory team provides clients with the relevant knowledge to navigate the changing IR landscape. Our goal is to support clients in building a comprehensive strategic IR program that delivers results while at the same time updating them on all the significant changes and new ideas that are pertinent to the IR profession and global best practice.

To disseminate information on the issues that are discussed in the global IR community, to educate about new trends while at the same time creating networking opportunities among our clients, Citi hosts seminars and roundtables across EMEA, Asia and Latin America throughout the year. Our annual signature events are the IR Academy in New York (September) and Shareholder University in London (November)

In the first half of 2019, we spend 1x1 training time with several of our newer clients. We advised clients on how to organize best in class investor days and had many conversations on implementing or upgrading ESG programs as well as conducting stewardship roadshows. We were successful in connecting clients to ESG investors.

## Citi Depositary Receipt Services' Global Client Events for first half of 2019

March 20	IR Magazine U.S. Awards, New York
April 3	• IR Academy, Bogota
May 20	• IR Symposium, Kazakhstan
June 2 - 5	NIRI Annual Conference, Phoenix
June 25	IR Academy, Seoul
June 28	IR Luncheon, Hong Kong

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Bloomberg: ADRC



## DR ACCESS PRODUCTS

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#### Citi

Citi, the leading global bank, has approximately 200 million customer accounts and does business in more than 160 countries and jurisdictions. Citi provides consumers, corporations, governments and institutions with a broad range of financial products and services, including consumer banking and credit, corporate and investment banking, securities brokerage, transaction services, and wealth management.

#### About Citi's Depositary Receipt Services

Depositary Receipt Services is a leader in bringing quality issuers to the U.S. and other markets and promoting Depositary Receipts (DRs) as an effective capital markets tool. Citibank began offering ADRs in 1928 and today is widely recognized for providing non-U.S. companies with a gateway to the resources of Citi and the means to diversify shareholder bases and increase liquidity. For further information, visit citi.com/dr.

#### Past performance is not indicative of future results.

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