

## FORWARD-LOOKING STATEMENTS / NON-GAAP FINANCIAL MEASURES



This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including without limitation, our full-year 2019 guidance and long-term targets. These forward-looking statements relate to future events or to future financial performance and involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied by these statements. In some cases, you can identify forward-looking statements by the use of words such as "may," "could," "expect," "intend," "plan," "seek," "anticipate," "believe," "estimate," "predict," "potential" or "continue," or the negative of these terms or other comparable terminology. You should not place undue reliance on forward-looking statements because they involve known and unknown risks, uncertainties and other factors that are, in some cases, beyond our control and that could materially affect our actual results, levels of activity, performance or achievements.

Other factors that could materially affect actual results, levels of activity, performance or achievements can be found in MSCI's Annual Report on Form 10-K for the fiscal year ended December 31, 2018 filed with the Securities and Exchange Commission ("SEC") on February 22, 2019 and in quarterly reports on Form 10-Q and current reports on Form 8-K filed or furnished with the SEC. If any of these risks or uncertainties materialize, or if our underlying assumptions prove to be incorrect, actual results may vary significantly from what MSCI projected. Any forward-looking statement in this presentation reflects MSCI's current views with respect to future events and issubject to these and other risks, uncertainties and assumptions relating to MSCI's operations, results of operations, growth strategy and liquidity. MSCI assumes no obligation to publicly update or revise these forward-looking statements for any reason, whether as a result of new information, future events, or otherwise, except as required by law.

MSCI has presented supplemental non-GAAP financial measures as part of this presentation. Reconciliations are provided in slides 128-133 above that reconcile each non-GAAP financial measure with the most comparable GAAP measure. The non-GAAP financial measures presented in this presentation should not be considered as alternative measures for the most directly comparable GAAP financial measures. The non-GAAP financial measures presented in this presentation are used by management to monitor the financial performance of the business, inform business decision-making and forecast future results.

Percentage changes and totals in this presentation may not sum due to rounding.

Percentage changes refer to the comparable period in 2017, unless otherwise noted.

Foreign currency exchange rate fluctuations reflect the difference between the current period results as reported compared to the current period results recalculated using the foreign currency exchange rates in effect for the comparable prior period. While operating revenues adjusted for the impact of foreign currency fluctuations includes asset-based fees that have been adjusted for the impact of foreign currency fluctuations, the underlying AUM, which is the primary component of asset-based fees, is not adjusted for foreign currency fluctuations. Approximately two-thirds of the AUM are invested in securities denominated in currencies other than the U.S. dollar, and accordingly, any such impact is excluded from the disclosed foreign currency adjusted variances.





8:30 am	Welcome & Opening Remarks Andy Wiechmann	10:10 am	Q&A
	Managing Director, IR	10:30 am	Break
	Thriving in a Transforming Industry Henry Fernandez Chairman & CEO	10:40 am	Portfolio Solutions II Jorge Mina Head of Analytics
	Sharpening Our Competitive Edge Baer Pettit President		Sustainable Investing Remy Briand Head of ESG
	Actionable Solutions for Clients Laurent Seyer COO & Chief Client Officer		Private Asset Class Investing Jay McNamara Head of Real Estate
	Differentiated Content Peter Zangari Head of Research & Product Development		Financial Overview & Capital Allocation Strategy Kathleen Winters CFO
	Powering Growth through Technology & Data Services Jigar Thakkar CTO & Head of Engineering		Summary   Why MSCI Henry Fernandez Chairman & CEO
	Portfolio Solutions I Diana Tidd	11:50 am	Q&A
	Head of Index	12:30 pm	Leadership Luncheon

#### PROVEN AND EXPERIENCED LEADERSHIP





Henry Fernandez Chairman & CEO 1996



Baer Pettit
President
2000



Laurent Seyer COO & Chief Client Officer 2014



Kathleen Winters
CFO
2016



Jigar Thakkar CTO & Head of Engineering 2018



Peter Zangari Head of Research & Product Dev. 2011



Scott Crum CHRO 2014



Rick Bogdan General Counsel 2000



Diana Tidd Head of Index & CRO<sup>1</sup> 1999



Jorge Mina Head of Analytics 1998



Remy Briand Head of ESG 2001



Jay McNamara Head of Real Estate 2002



Jeremy Baskin Head of Client Coverage - Americas 2017



Alvise Munari Head of Client Coverage – EMEA 2015



JackLin Head of Client Coverage – APAC 2018



Russell Read Global Head of Client Solutions 2018

<sup>&</sup>lt;sup>1</sup> Chief Responsibility Officer





# THRIVING IN A TRANSFORMING INDUSTRY

Henry Fernandez | Chairman & CEO

#### THRIVING IN A TRANSFORMING INDUSTRY



01)

Addressing the need of global investors to build better and more sustainable portfolios with deeper insights of their performance and risks

02

Engrained position in the investment process
enables us to provide must-have solutions<sup>1</sup> for investment opportunities and challenges

03)

Facing significant
opportunities across high
growth areas of the
investment industry and
accelerated by attractive
secular forces

04)

Still at the ground floor of what is possible:
Uniquely positioned to help transform the investment industry

<sup>1</sup> Unless otherwise noted, solutions throughout this presentation refers to the usage of our products and / or services by our clients to help them achieve their specific investment objectives.

#### **DRIVING THE GLOBAL INVESTMENT PROCESS**



#### **WHO WE ARE**

## 7,000¹ Blue-Chip Clients in 90 Countries

- Across investment and trading spectrum
- Engrained in the world's most sophisticated investors

## Must Have **Products and Services**

- Across asset classes for performance and risk
- \$1.4B run rate
- +10% YOY organic subscription run rate growth in 2018

## 3,200 Talented Employees in 20+ Countries

- 200 researchers
- 1,500 technologists & data scientists
- 700 coverage & marketing professionals
- Unparalleled knowledge of the investment process

## Strong Performance and Inclusive Culture

- Global, multi-cultural workforce
- Driving innovation for industry leading solutions

#### WHAT WE DO

Help global investors build better portfolios for a better world



<sup>1</sup> Number of clients based on the shipping address of the ultimate customer utilizing the product which counts affiliates, user locations, or business units within a single organization as separate clients.

#### **HELPING CLIENTS ADAPT IN TRANSFORMING INDUSTRY**



## **Investment Industry Trends**

- Globalization
- Diversity
- Complexity
- Scalability
- Efficiency



#### Client **Transformations** From To **Public Assets Private Assets** Index-enabled Active Management -Sustainable Returns Absolute Return **Eastern Markets** Western Markets Global Home Country Manager Selection Internal Management Solutions<sup>1</sup> **Products**

<sup>&</sup>lt;sup>1</sup> Solutions refers to investment strategies designed to achieve specific investment objectives.





#### **Portfolio Solutions**

**Indexes** as Building Blocks for Portfolios

Performance and Risk Models and Analytics as Building Blocks for Portfolios

#### **Capabilities**

PUBLIC ASSET
CLASS INVESTING

Equity Indexes Factor Models and Analytics

ESG<sup>1</sup> Ratings and Research Performance and Risk Analytics

Content Enabling
Platform

PRIVATE ASSET
CLASS INVESTING

Real Estate Benchmarks Real Estate
Performance Attribution

Private Equity, Real Estate and
Private Credit
Models and Risk Analytics

<sup>&</sup>lt;sup>1</sup> Environmental, Social and Governance







#### **CLIENT INVESTMENT PROCESS**

Asset
Allocation
Performance and
Risk Management

#### **SOLUTIONS FOR BUILDING PORTFOLIOS**

- Defining investable universes
- Allocating assets sustainably
- Creating investment programs/products
- Benchmarking performance

- Understanding and managing risk and performance
- Reporting to constituents
- Complying with regulations

**Solutions for the Most Critical Investment Activities** 



#### **ENORMOUS GROWTH OPPORTUNITIES IN NEW MARKETS**

Owners of Assets <sup>1</sup>	(AUM)	(Trend)	Managers of Assets <sup>1</sup>	(AUM)	(Trend)
Individuals (Wealth Management & Defined Contribution)	\$41T	Advisory-based and Model Portfolios	Fixed Income - Active	\$25T	Investment Differentiation, Operational
Defined Benefit \$23T		Internalizing and Private Asset Investing	Equity - Active	\$23T	Efficiency, Indexation, ESG
Insurance	\$23T	Solutions <sup>2</sup> and Factors	Equity - Index	\$13T	Indexation, Factors, ESG
Sovereign Wealth	\$8T	ESG, Factors, Private As sets	Private Equity, Real Estate & Private Credit	\$7T	Transparency and Insights
Endowment & Foundation	\$1T	Private Assets	Fixed Income - Index	\$2T	Indexation, Factors, ESG

Established Position for MSCI with Opportunity for Growth

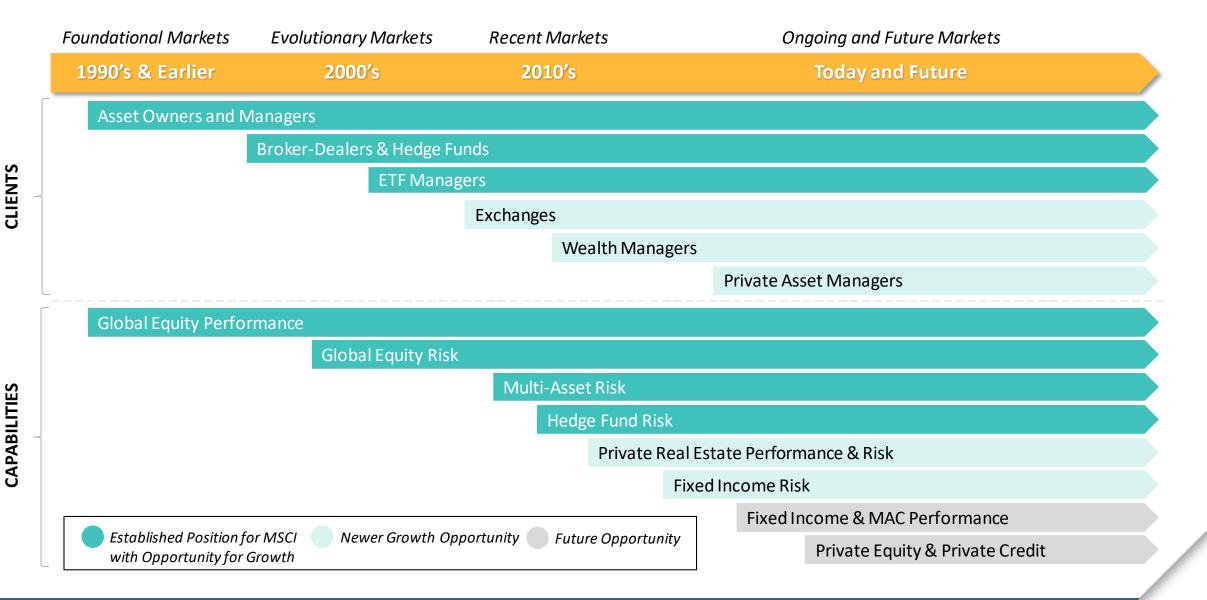
#### **Significant Growth Opportunities in New Areas and Across Key Trends**

Newer High Growth Opportunity

<sup>&</sup>lt;sup>1</sup> Numbers based on company estimates and multiple third party reports; <sup>2</sup> Solutions refers to investment strategies designed to achieve specific investment objectives.



#### TRACK RECORD OF GROWTH THROUGH NEW MARKETS



#### **KEY PILLARS OF OUR STRATEGY**



**Growing the Core** 

**Executing**In Flight
Opportunities

Capturing
Next Wave
Opportunities

#### **GROWING THE CORE**



Content	
nology	

Clients/Markets Techn

Additional Growth in Core	Growth Areas
<ul> <li>Market Cap Indexes</li> <li>Factors</li> <li>ESG</li> <li>Equity and Multi-Asset Class Analytics</li> </ul>	<ul> <li>Existing content to new client segments and use cases</li> <li>Enhanced capabilities and additional modules</li> </ul>
<ul> <li>MSCI Platform</li> <li>Index Calculation Capabilities</li> <li>Data Capabilities</li> </ul>	<ul> <li>Unifying MSCI platforms and disparate client systems</li> <li>Enhancing custom index capabilities</li> <li>Enabling faster, more accurate and more scalable processes</li> </ul>
<ul> <li>Asset Owners</li> <li>Asset Managers</li> <li>Broker Dealers</li> <li>Core and New Geographies</li> </ul>	<ul> <li>Solutions selling and enhanced go-to-market strategy</li> <li>Intense focus on sales effectiveness</li> <li>Capture opportunities in Asia</li> </ul>

#### **EXECUTING IN FLIGHT OPPORTUNITIES**

Content

Technology

Clients/Markets



Incremental In-Flight Opportunities	Growth Areas
<ul> <li>Fixed Income Analytics</li> <li>Fixed Income Indexes         w/ESG &amp; Factors</li> <li>Real Estate Insights</li> </ul>	<ul> <li>Enhancing fixed income modeling across mortgages and other complex areas</li> <li>Driving adoption of existing fixed income ESG indexes and launching fixed income factor indexes</li> </ul>
Transforming MSCI Platform to     Power All Content	Enabling and promoting all of MSCI's content, accompanied by enhanced functionality, on the Analytics platform
<ul> <li>Wealth Management</li> <li>Derivatives (listed and OTC)</li> <li>Fixed Income Managers</li> <li>Real Estate Investors</li> </ul>	Deploying resources and refining the value proposition to capture high growth new markets

#### **CAPTURING NEXT WAVE OPPORTUNITIES**

Content

Technology

Clients/Markets



Next Wave Opportunities	Growth Areas
<ul> <li>Multi-asset Class ESG and Factor Indexes</li> <li>Private Equity, Credit and Infrastructure</li> <li>ESG for Private Assets</li> </ul>	<ul> <li>Multi-asset class ESG and Factor indexes to enable comprehensive objective-based investing</li> <li>Expanding performance and risk capabilities across private assets</li> </ul>
Opening the MSCI Platform	Fully enabling client and third party data, as well as broader workflow functionality, on the platform
<ul> <li>Insurance</li> <li>Private Equity, Credit and Infrastructure Investors</li> </ul>	Entering sizable client segments supported by new content and capabilities











# SHARPENING OUR COMPETITIVE EDGE

Baer Pettit | President

#### **HOW & WHY WE WIN**



01)

proposition with actionable client solutions, unique content and flexible technology

02)

Delivering
actionable solutions
to our clients that
help them build
portfolios driven by
our holistic
approach

03)

Research-driven
content and insights
underlying products
and services to help
power better
investment
decisions

04)

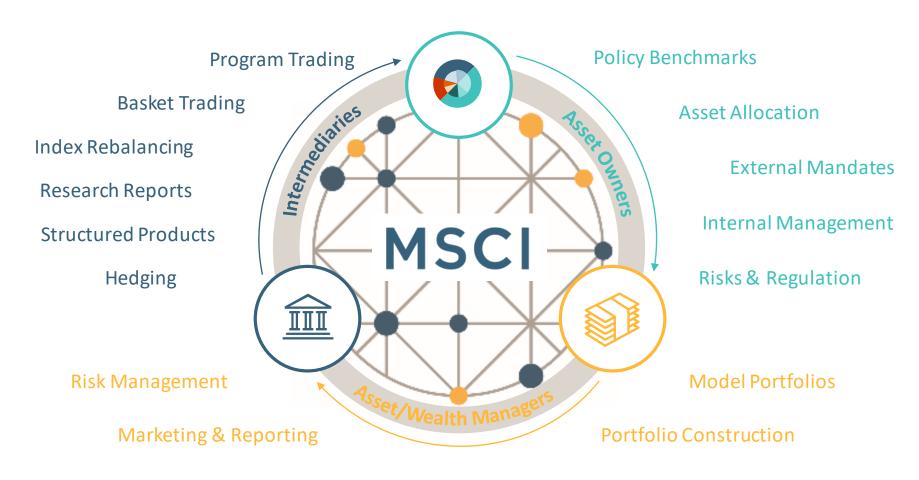
Delivering next
generation platform
and technology to
fully unlock value of
MSCI content and
help clients operate
more efficiently

05)

well positioned as
an all-weather
franchise with a
proven track record
while continuing to
innovate and
increase the quality
of execution

## CLIENTS USE OUR SOLUTIONS TO HELP THEM MAKE BETTER DECISIONS ACROSS CORE INVESTMENT FUNCTIONS





**Performance Attribution** 

## **MSCI VALUE PROPOSITION**

Powering Better Investment Decisions through Relentless Innovation

**Actionable Solutions** 

**Content** 

Flexible Technology





1)

#### **Actionable Solutions**

- Unique position in investment ecosystem enabled by our client-centric, holistic approach and resulting client feedback loop
- Solutions approach active engagement with clients to understand their needs for building portfolios

2

#### **Differentiated Content**

- Increase breadth and depth of content & insights driven by our research team
- Differentiate content and production capabilities with emerging technology

3

#### Flexible Technology

- Deliver content through flexible, cutting-edge technology platforms; revolutionize 'ease of use'
- Enhance functionality and capabilities; accelerate "open" model – proactive 3<sup>rd</sup> party distribution approach

## **ACTIONABLE SOLUTIONS THROUGH LEVERAGING OUR CENTRAL**





### **ROLE IN THE INVESTMENT PROCESS** Wission Contract of Services **Develop Increasing Receive Input** Role and Importance and Feedback

**MSCI** 

**Provide Unique Insights** into Client Investment Objective

**Deliver More Effective** Tools and Services to Help Clients Address their Needs

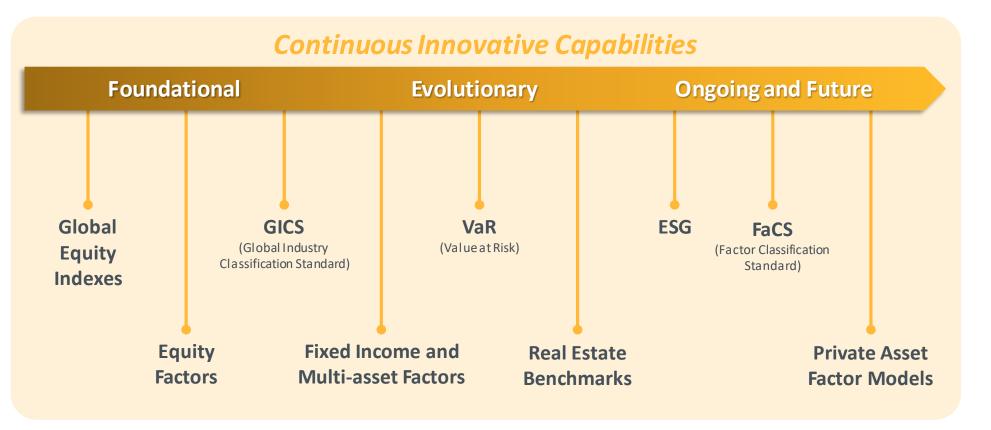
#### DRIVING COMMERCIAL **EXCELLENCE**

- C-Suite level engagement
- Deepening relationship with key decision-makers
- Engaging and penetrating new client segment opportunities
- Sharpening clarity of value proposition to help clients understand offerings

#### **Feedback Loop Reinforces Innovation**

#### AT THE FOREFRONT OF THE INVESTMENT INDUSTRY





- Strong track record of executing
- Proven ability to add and accumulate broad expertise and knowledge
- Integrating capabilities with newer frameworks

We Understand Client Needs and We Keep Doing it Deeper, Broader, and Better

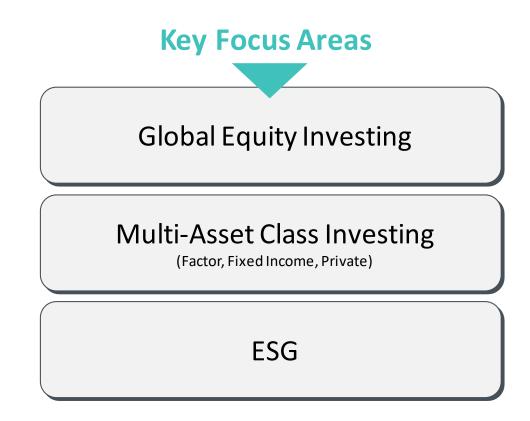


## DIFFERENTIATED CONTENT GUIDED BY WORLD-CLASS RESEARCH ORGANIZATION



## **Differentiated Content Enables Us to:**

- Establish industry frameworks
- ✓ Continue thought leadership on market and industry trends
- ✓ Set foundation for product development



Help Clients Implement Investment Strategies and Provide Foundation for Innovation



## DIFFERENTIATED CONTENT IS A KEY INGREDIENT FOR ALL SEGMENTS AND SHARED ACROSS PRODUCTS



#### **EXAMPLES OF RESEARCH-DRIVEN CONTENT**

- Factor Classification Standards Factor Models China Equity Models ESG Ratings and Research
- Private Real Estate Data and Analytics Prepayment Models Equity Risk Models Developed Market Core Modules
  - Emerging Market Core Modules Custom Modules

#### **Powering Solutions Across All Segments**

Index

**Analytics** 

**ESG** 

Real Estate

**Common Data and Technology Infrastructure Provides Competitive Advantage** 

## CREATING VALUE FOR CLIENTS WITH LEADING-EDGE TECHNOLOGY



## Leveraging Technology to:

- ✓ Take data quality to the next level
- ✓ Drive integration and efficiencies to accelerate product innovation
- ✓ Facilitate more efficient distribution of our content

#### **Key Focus Areas**

**MSCI Platform Solution** 

#### **Advanced Technologies**

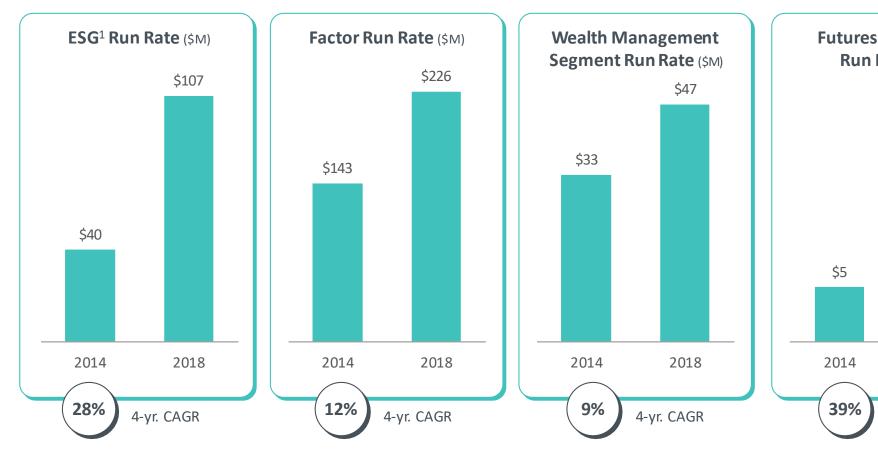
(Data Science, Machine Learning, Natural Language Processing)

**Accelerating Automation** 

Critical Component For Delivering Value to Clients and Accelerating Innovation











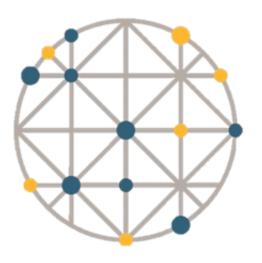
**Opportunities Coupled with Our Core Will Support and Accelerate Growth** 

<sup>&</sup>lt;sup>1</sup> ESG Run Rate includes ESG segment Run Rate, and ESG related Index subscription and asset-based fees Run Rate.



#### **KEY TAKEAWAYS | SCALE AND STRENGTHEN OUR ADVANTAGE**

- Uniquely serving key industry trends
- Address the evolving needs of our clients in a changing industry
  - Enhancing our truly differentiated research and content
  - Delivering flexible, cutting-edge technology and platforms
  - Providing actionable solutions to clients
- Significant focus on productivity and efficiencies
- Generating enhanced financial performance







# ACTIONABLE SOLUTIONS FOR CLIENTS | PARTNERING AND ENHANCING VALUE

Laurent Seyer | COO & Chief Client Officer



#### **ACTIONABLE CLIENT SOLUTIONS | EVOLVING TO ENHANCE VALUE**

01)

**Evolve client coverage organization** to meet
changing needs and new
market opportunities

02

**Establish strong strategic partnerships** through
deepening relationships
with key decision makers

03

Leverage client insight to continuously improve our service model as well as expand our offerings

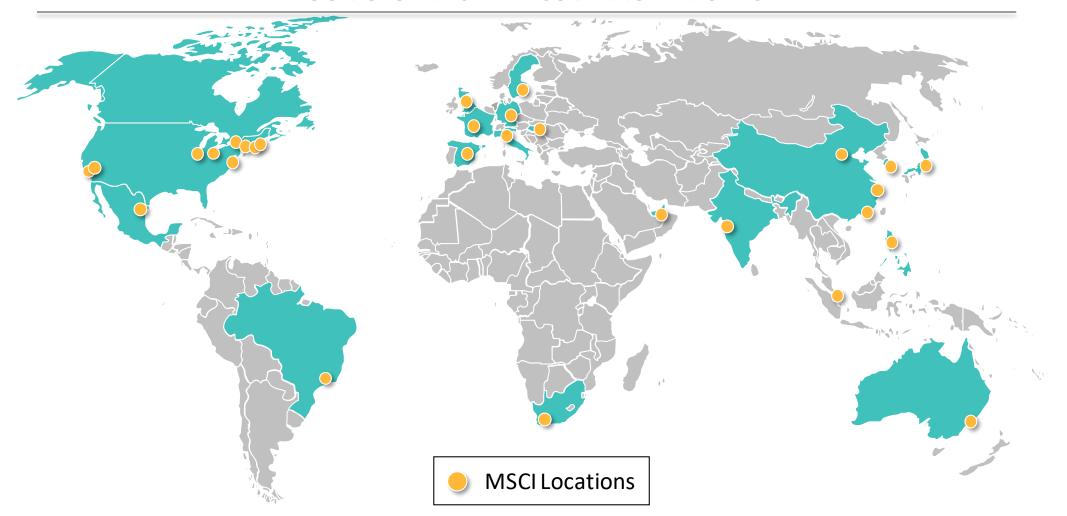
04)

**Deliver actionable solutions** across client
segments to unlock client
value through
differentiated content and
flexible technology





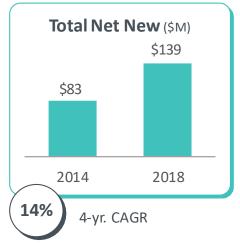
#### **OUR GLOBAL CLIENT COVERAGE PRESENCE**





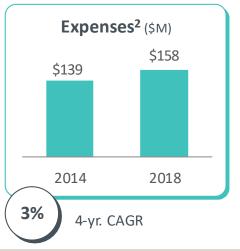


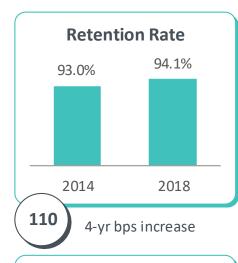
- Hired experienced coverage leaders to engage strategically at C-Level
- Further integrated sales team and built regional leadership framework
- Retention of top talent with revamped coverage incentive program (Performance Culture)
- Leveraged Salesforce to efficiently manage partnerships and opportunities













**Efficiently Adapting to Evolving Clients Needs and New Market Opportunities** 

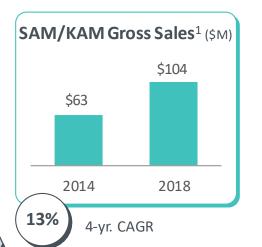
<sup>&</sup>lt;sup>1</sup> Number of clients based on parent entity. <sup>2</sup> Expenses reflect total costs for the client coverage organization.

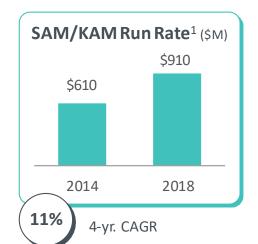
#### **DEEPENING STRATEGIC CLIENT PARTNERSHIPS**

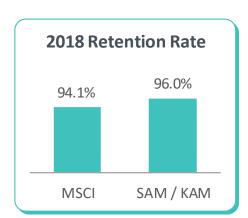


## PROVIDE CLEAR VALUE PROPOSITION AND STRATEGY

- Expansion of Senior
   Account Manager (SAM)
   and Key Account Manager
   (KAM) programs
- Increased client engagement at C-Suite level
- Growth in business flow from our larger client base

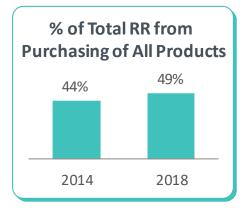






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<sup>&</sup>lt;sup>1</sup> 2014 and 2018 metrics reflect accounts designated as SAM/KAM at 12/31/2018. Gross sales include both recurring subscription sales and non-recurring sales.

## IMPROVING CLIENT EXPERIENCE THROUGH SERVICE ENHANCEMENTS



#### **HOW WE LEARNED**

- Continuous Client feedback obtained through strong relationships across client segments and regions
- **C-Suite** engagement
- Annual Client Satisfaction Survey

#### WHAT WE LEARNED

- **Clients value** responsiveness and transparency into status of issues
- High-quality, enriched data is the cornerstone of MSCI's value
- Clients are looking for hands-on bespoke solutions to help them make more informed investment decisions

#### WHAT WE DID

- Improved system stability, data quality and automation
- Consistent application of global standards and best practices
- Extension of service to client sites

**Increased Client Satisfaction; 2018 NPS Up 4 Percentage Points YoY** 

#### **CAPITALIZE ON OPPORTUNITIES**



#### **KEY CLIENT SEGMENT INDUSTRY TRENDS**

#### **Asset Owners**

- Investors are becoming more sophisticated, taking more direct control of investments
- Segment is looking to enhance processes, scope of activities, rigor of oversight, meet regulatory requirements and drive operational effectiveness

#### **Asset Managers**

 Industry transformation is facing downward fee pressures and new technology alters the balance of power by increasing transparency and decreasing barriers to entry

#### **Wealth Managers**

- Largest under-tapped asset pool
- Retail investing moving towards centralized model portfolios
- Change towards fee-based advisory, and increased use of index-based investments

#### **Broker/Dealers (Intermediaries)**

 Focus on more stable and less capital intensive businesses (e.g. more product creation and less proprietary trading), seeking differentiated investment offerings and services

#### SUBSCRIPTION RUN RATE TRENDS

2018 YoY Growth 9% 14% 9% Trajectory 7 7

#### **CASE STUDY**



# RELENTLESS INNOVATION ENABLES BANK TO CREATE FACTOR OFFERING

#### **CLIENT NEED**

- The head of the trading desk was looking for a quantitative solution to help win business in the hedge fund business
- They wanted to incorporate market standard factor baskets to allow their clients to trade a specific style factor without taking unwanted exposure in their portfolio

#### **MSCI SOLUTION**

- Managed Service creating factor mimicking portfolios with autorebalance on a monthly basis
- MSCI, in consultation with client, outlined potential optimization inputs for a pre-specified number of custom baskets (Momentum, Value, etc.) that the client could choose

#### **CLIENT BENEFITS**

- New product enables them to serve a key growth client segment
- Increased trade flow to the bank
- Ability to scale this offering to additional client segments
- Allowed them to compete against larger competitors

#### **CASE STUDY**



### ASSET MANAGER LEVERAGES OUR FLEXIBLE TECHNOLOGY TO DRIVE WEALTH BUSINESS

#### **CLIENT NEED**

 Client launched a suite of active factor ETFs and needed analytics to support distribution of funds and ETFs to external financial advisors

#### **MSCI SOLUTION**

- API technology to enable integration into current financial advisor website to allow for scalability
- Calculation of factor exposures, risk, stress testing, and portfolio construction with optimization
- Multiple factor models including custom models
- Access to benchmarks
- Integration of external mutual fund data into the MSCI mutual fund model

#### **CLIENT BENEFITS**

- Data visualization tools that enabled salesforce to easily demonstrate value and educate their clients
- Integration into workflow with ability to show factor models and create custom models

#### **CASE STUDY**



# DIFFERENTIATED CONTENT POWERS WEALTH CLIENT TO WIN MARKET SHARE

#### **CLIENT NEED**

- A leading robo advisor was looking to win market share to attract millennial clients who have a high level of interest in aligning their investments to their values
- A guick turn-around time
- A product solution that aligned to the user experience

#### **MSCI SOLUTION**

- We constructed a simplified approach towards integrating ESG ratings and indexes for this cohort that the client could use as the basis of ETFs
- Currently using 3 ESG ETFs, all are based on MSCI ESG indexes, including:
  - MSCI KLD 400 Social Index
  - MSCI USA Extended ESG Select Index
  - MSCI Emerging Markets
     Extended ESG Focus Index

#### **CLIENT BENEFITS**

- Our client was in-market in three months
- Allowed them to accelerate their leadership in the competitive roboadvisor universe and hit their AUM target in 90 days
- The simplified ratings system MSCI created, enabled their investors to make decisions that fit with the user experience of the online investing platform

#### **KEY TAKEAWAYS**



- Evolving client coverage organization is a powerful engine delivering strong results with plenty of runway ahead
- Well positioned with deepening strategic partnerships with key decision makers
- Transformation to consultative approach with clients has accelerated our value proposition as we leverage feedback loop to continuously improve and expand our offerings
- Challenging industry trends create opportunities to unlock client value with our holistic and integrated solutions







### **DIFFERENTIATED CONTENT**

Peter Zangari | Head of Research & Product Development

MSCI Investor Day 2019 41

### WORLD-CLASS CONTENT CREATES STANDARDS, SUPPORTS DIFFERENTIATED SOLUTIONS AND FOSTERS INDUSTRY CHANGE



01)

Research-driven
investment content
is the foundation of
our strategic
competitive
advantage

02

through
widely accepted,
transparent
methodologies and
research; our
standards serve as
building blocks for

portfolio

construction

03)

Content-based solutions driven by domain expertise both within and across asset classes and investment practices

04)

Thought leadership
that advances and
redefines
categories, prompts
client engagement,
and inspires product
development

05)

technology and data science to drive product development and deliver scalable solutions across client segments and investment challenges

### BREADTH PLUS DOMAIN EXPERTISE STRENGTHENS AND SUSTAINS OUR COMPETITIVE ADVANTAGE



**Unrivalled Collection of Differentiated Content** 

Across Three Primary Dimensions of the Investment Process

#### 1) GLOBAL EQUITY INVESTING

- Global index framework
- Factor investing and integration
- Adaptive multi-factor allocation strategies
- Alternative data signals for risk models



#### 2) MULTI-ASSET CLASS INVESTING

- Factor investing
- Enterprise and liquidity risk management
- Private assets
- Fixed income



#### 3) ESG INVESTING

- Identify key ESG issues using machine learning
- Leverage alternative data to measure ESG exposure









DEVELOP

Global Equity Investing

- Lead client consultations for new index launches
- Create and maintain index and risk model methodologies
- Conduct research on portfolio construction

Multi-Asset Class Investing

- Pioneering multi-asset class (MAC) model framework
- Support risk management and asset allocation
- Lead client consultations to support implementation

ESG Investing

- Maintain ESG ratings model and oversee ratings analysis
- Conduct company, industry and thematic research
- Lead client engagements to support use in investment process

Research and Methodologies Embedded in Our Analytical Tools

### OUR STANDARDS MAKE MSCI UBIQUITOUS IN THE BROADER INVESTMENT ECOSYSTEM



MSCI is a unifying common language for equity investing globally, enabling comparability and transparency

ACWI IMI defines the investable equity space in a modern, seamless solution Building block approach with a rules-based, consistent and transparent methodology

Dynamic Multi Factor (DMF) positioned as the standard multi factor index for institutional investors

Universal and Leaders Indexes are establishing themselves as standards for ESG benchmarking

Institutional risk management framework Adopted by the Basel Committee on Banking Supervision for its internal capital adequacy models

Equity and MAC factor risk models

**ACWI Factor GICS** & ESG Indexes **OUR STANDARDS** Value at Risk & **FaCS Factor** Risk **ESG Ratings** 

Developed by MSCI and S&P

Widely accepted as a leading industry classification standard for investment research, portfolio management and asset allocation

Factor classification standard designed to provide investors the essential tools and common language for implementing Factor Investing strategies. Currently for Equity. Extending to MAC.

ESG Ratings provide institutional investors with a robust ESG integration tool to help them manage risk and enhance long term value creation

### DELIVERING CONTENT-BASED SOLUTIONS TO REMAIN AT THE INDUSTRY FOREFRONT



Our content and thought leadership enables us to deliver solutions to an evolving investment ecosystem



- Explore new asset classes, technologies and data sets to strengthen our solution and capture growing opportunities
  - Asset Allocation, Fixed Income, Private Assets
  - Machine Learning/Alternative Data
- Help clients increase productivity while focusing on investment performance and client engagement
  - Support client implementation of investment strategies
- Industrialize data science platform
  - Formalize full adoption of data science platform across entire research and product development organization

#### **KEY TAKEAWAYS**



- Research-driven investment content and knowledge of the investment ecosystem is the foundation of our strategic competitive advantage
- Establish industry frameworks through best-in-class client research leveraging deep client relationships and understanding of market needs
- Complete and integrated solutions driven by breadth (across asset classes investment practices) and depth (domain expertise)
- Thought leadership that redefines categories and provides unrivaled collection of content serving as building blocks for actionable client solutions
- Leveraging technology to drive product development and scalable solutions across clients and asset classes to address investment challenges and identify opportunities







# POWERING GROWTH THROUGH TECHNOLOGY & DATA SERVICES

Jigar Thakkar | Head of Technology & Data Services

MSCI Investor Day 2019 48

#### **FUELING GROWTH WITH TECHNOLOGY SOLUTIONS**



01)

edge technology
to continue to
provide clients with
actionable solutions

02)

A world class
engineering culture
that encourages
intellectual
curiosity, fosters
innovation and
drives change

03)

platform
that provides an
ecosystem to
address our clients
most complex
challenges

04

**Driving operational** 

excellence
with systematic
automation,
including artificial
intelligence and
data science
platforms to gain
scale and efficiency

in our operations

05)

A modern
workplace
with industry
leading
communication,
collaboration, and
productivity tools
that drives
innovation

#### THE ENGINE THAT POWERS MSCI



**1,500+** Technologists and Data Scientists in **over 10** key development locations

Clean

and

**Enhance** 

#### **COLLECT**

180+

**Data Vendors** 

850+

**Data Products** 

20M+

**Securities Maintained Daily** 

COMPUTE

200K+

**Indexes Calculated Daily** 

1B+

Positions Processed in Analytics in a Single Day

600B+

**Daily Instrument Pricings** 

Process and

**Enrich** 

**DISTRIBUTE** 

Multiple Delivery Channels

Including API's, 3<sup>rd</sup> Parties and Custom Reporting

Proven Ability to Handle Complex, Integrated, High-Volume Workflows with Flexible and Scalable Solutions





#### **CLIENT CHALLENGES**

- Disparate Systems –
   Content is spread across multiple technologies / products
- Manual Processes Workflows are labor intensive and costly
- Data Increasing amounts of structured and unstructured data
- **Customization** Meet unique client needs

#### **MSCI PLATFORM SOLUTIONS**

- Content Access all MSCI content and create custom content using MSCI tools accessible on the platform
- Collaboration Share ideas and information with internal teams and clients
- Integration An open architecture that facilitates the integration of client and third party data and tools
- Flexibility Custom screen, reporting, and visualization tools will streamline workflows and replace manual effort







#### THE POWER OF CONNECTION



The MSCI Platform connects people, information and processes to make more informed investment decisions



Consolidate All Research, Data, Analytics and Reporting on the Platform, Simplifying Our Client's Investment Process

#### LEVERAGING TECHNOLOGY SOLUTIONS



#### Cutting Edge Technologies and Best Practices to deliver Operational Excellence

#### **NLP**

 Implemented Natural Language Processing capabilities to extract ESG data reducing data procurement timelines

#### **MACHINE LEARNING**

Leveraged Machine
 Learning to enhance
 data validation as well
 as increase ESG
 coverage of alternative
 data points

#### **AUTOMATION**

 Automated our volatility surfaces processing to achieve
 60x faster calculations

#### **DATA MINING**

Building a Data Science
 Platform for MSCI
 research team to create
 innovative solutions for
 our clients

#### A WORLD-CLASS ENGINEERING CULTURE





Feedback loops that reduces lead times and increases efficiency



Continued focus on addressing our client needs and challenges

#### **Partnerships & Collaboration**

Build strategic relationships to augment our capabilities











#### **Learning Culture**

Continuous learning and growth mindset

#### **Streamline Processes**

Constant focus on process improvements using best practices and tools to achieve operational efficiency

#### **KEY TAKEAWAYS**



- Taking MSCI to the next level to deliver technological advanced solutions to address our client requirements
- Use cutting edge technology to create growth opportunities with our holistic and integrated solutions
- Well positioned with deep domain expertise both in finance and technology to solve complex challenges faced by our clients
- Transforming technology culture to continuously learn and innovate to design new investment tools that lead to more informed investment decisions







### PORTFOLIO SOLUTIONS I

Diana Tidd | Head of Index & Chief Responsibility Officer

#### **KEY MESSAGES | PORTFOLIO SOLUTIONS I**



01)

We create building blocks to empower portfolio construction, performance and risk management

 Across dimensions such as Global Equities, Factors, ESG, and Thematic Investing 02)

Industry trends are creating new opportunities as investors are

- Investing globally
- Increasing indexed investments
- Incorporating Factors and ESG

03

#### **Leveraging our strengths**

- Market leading quality
- Track record of innovation
- Global standards
- Strong brand
- Proven execution

04

#### Well positioned for growth

- Deliver global investing solutions
- Enable multi-currency index derivatives
- Drive ESG and Factor adoption
- Asset allocation tools for Wealth Managers

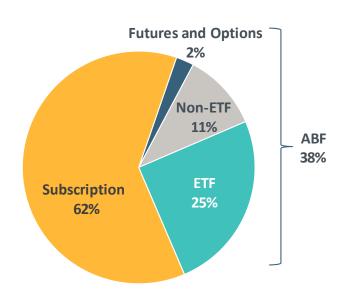
# RUN RATE<sup>1</sup> DIVERSIFIED ACROSS REGIONS AND CLIENT SEGMENTS

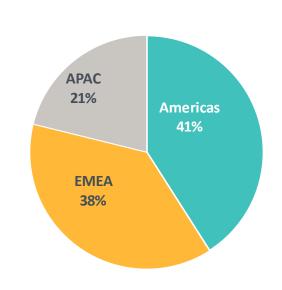


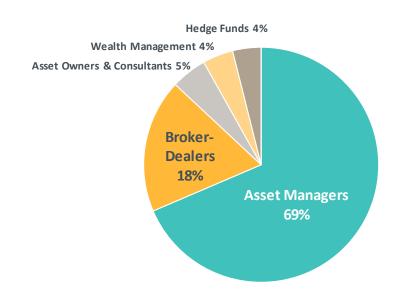
Asset managers, asset owners, broker-dealers and wealth managers globally use our solutions for portfolio construction, performance and risk management

#### \$503M of Index Subscription Run Rate Across

\$815M of Index Run Rate Broad Footprint Client Base







<sup>&</sup>lt;sup>1</sup> Run Rate as of December 31, 2018.

### WE DELIVER REFERENCE BENCHMARKS THAT SERVE AS BUILDING BLOCKS TO EMPOWER PORTFOLIO MANAGEMENT



- We harness industry leading content from across our firm to develop MSCI Indexes
- Clients use our solutions across three core investment functions



### CLIENTS USE OUR SOLUTIONS ACROSS MANY INVESTMENT APPROACHES



#### PORTFOLIO BUILDING BLOCKS

- A PORTFOLIO CONSTRUCTION
- B PERFORMANCE
- C RISK

**Quantitative Active** Indexed **Equities Fixed Income Derivatives Global Equity** ESG Thematic Factor **Investing Investing Investing** Investing



# GLOBAL INVESTORS USE OUR INDEXES, INDUSTRY TOOLS AND STANDARDS FOR PORTFOLIO CONSTRUCTION



#### Index Universe

 Starting 'universe of securities' for active, indexed and quantitative products

### **Asset Allocation**

- Benchmarks for asset allocation and model portfolios
- Ecosystem of MSCI licensed investable products (ETFs, futures, funds) for clients to over or under weight allocations

### Factor & ESG Tilts

- Increasing Factor and ESG investing trends
- Our content enables clients to tilt portfolios to capture these risk and return premiums

#### Wealth Manager Example

- Problem: Needed a consistent, global asset allocation framework
- Solution: The client developed customized model portfolios based on ACWIIMI
- Benefit: Scalable solution allowing advisors to spend more time managing clients

### WE ARE INTEGRATED INTO OUR CLIENTS' INVESTMENT FUNCTIONS, ENABLING PERFORMANCE MANAGEMENT IN SEVERAL WAYS

### MSCI (\*\*)

#### Performance **Benchmarks**

- Fund and policy benchmarks
- Tracking error calculations
- Global standards to enable comparability
- Manager due diligence and performance tracking

#### **Factor & ESG Strategies**

- Increasing Factor and ESG benchmark usage
- Managers overlay Factor and ESG to drive performance
- Used for performance attribution to illustrate differentiation

#### **Pension Fund Example** INDEX

- Custom Factor index
- ESG considerations
- Implemented through indexed mandates

#### **HOLISTIC SOLUTION**

- Factor based risk management
- Evaluation of active manager performance

ANALYTIC



# THE INDUSTRY USES OUR INDEX DATA AND TOOLS FOR UNDERSTANDING AND MANAGING RISK



#### Hedging

- Our global exchange licensing strategy permits exchanges to provide investors access to regional markets through listed futures
- Clients use MSCI index linked futures to hedge benchmarked exposures

#### Off Index Bets

- Clients take benchmark aware bets to achieve target risk levels
- Investors evaluate active and quantitative managers in terms of the bets they take relative to the index

### Risk Analysis & Reporting

- Our risk models and index data are used for stress testing and reporting
- Use of ESG and Factors to minimize long-term risks



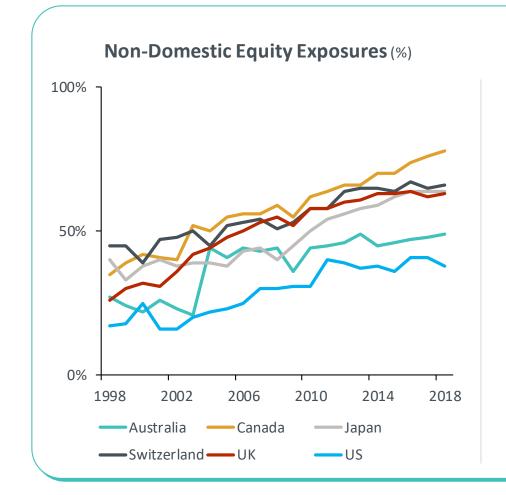
Global Investing

Indexed Investing

Factor & ESG Adoption

Multi-Currency Derivatives

High-Growth Client Segments



- The share of non-domestic investing has increased by ~3% p.a. over the past 20 years¹
- Trend expected to continue as investors seek to benefit from global diversification

<sup>&</sup>lt;sup>1</sup> Source: Willis Towers Watson, Global pension assets study 2019



Global Investing

Indexed Investing

Factor & ESG Adoption

Multi-Currency Derivatives

High-Growth Client Segments



 ETF market is projected to reach \$7.6T by 2020¹

<sup>&</sup>lt;sup>1</sup> Source: EY, Global ETF Research 2018. Dec 31 2018 total Global ETF assets of \$4.8T, ETFGI.



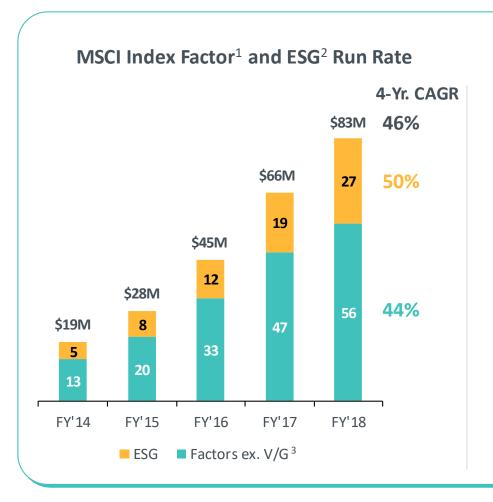
**Global Investing** 

Indexed Investing

Factor & ESG Adoption

Multi-Currency Derivatives

High-Growth Client Segments



 Factor and ESG adoption are still in early stages but has grown significantly

<sup>&</sup>lt;sup>1</sup> Factor Index Run Rate includes Factor related Index subscription and asset-based fees Run Rate; <sup>2</sup> ESG Index includes ESG related Index subscription and asset-based fees Run Rate; <sup>3</sup> V/G: Traditional value and growth product Run Rate for Indexes.



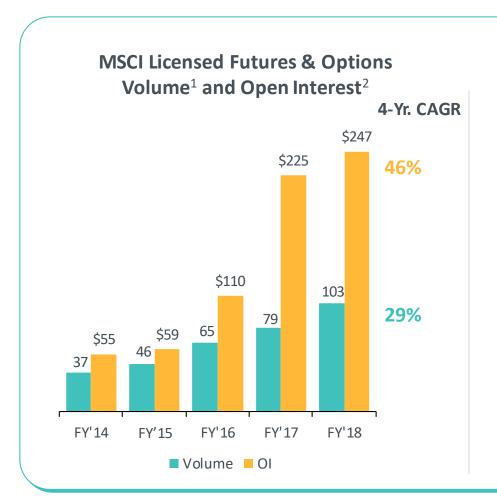
Global Investing

Indexed Investing

Factor & ESG Adoption

Multi-Currency Derivatives

High-Growth Client Segments



- Leading role in creating the indexes used for multicurrency, multi-market derivatives
- Strong structural growth opportunity to increase Futures and Options revenue

<sup>1</sup> Volume stated as number of MSCI linked future and options contracts traded in millions; 2 Open interest stated as notional value of MSCI linked open interest in billions of dollars.



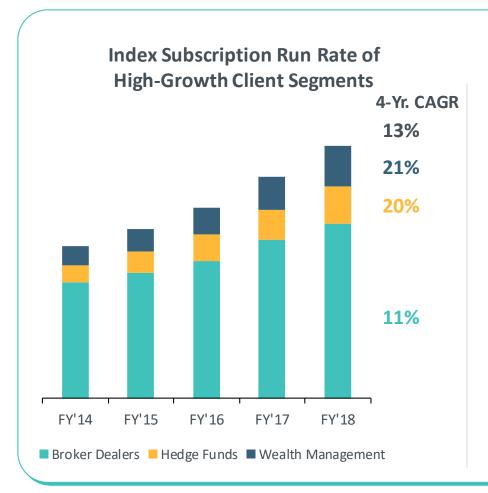
Global Investing

Indexed Investing

Factor & ESG Adoption

Multi-Currency Derivatives

High-Growth Client Segments



 Our solutions continue to benefit high growth client segments like Broker-Dealers, Hedge Funds, and Wealth Management

# WE WILL LEVERAGE OUR STRENGTHS TO CAPTURE GROWTH OPPORTUNITIES





### WE ARE FUNDING OUR MOST STRATEGIC AND HIGHEST RETURN AREAS TO DRIVE GROWTH



- Investments in people
  - Client coverage
  - Research
- New product development
  - Innovative indexes
  - Speed to market
  - Custom index growth
- Technology
  - Data science
  - APIs
  - Leading-edge technology

#### **INDEX**

2018 Organic Revenue [ex. ABF] Growth

13%

**Long-term Targets** 

Revenue [ex. ABF]
Growth Rate

Low Double Digit

Adj. EBITDA Expense Growth Rate

High Single Digit



**Q&A SESSION** 



**BREAK** 





### **PORTFOLIO SOLUTIONS II**

Jorge Mina | Head of Analytics

#### **KEY MESSAGES | PORTFOLIO SOLUTIONS II**



01)

Our capabilities across
data, models, analytics
and technology allow us
to serve a very broad set
of use cases

02

Secular changes creating attractive opportunities to address client needs; significant total addressable market of over \$20B

03

Investing in a next
generation technology
platform, research-driven
content, and services to
deliver enterprise
solutions and capture
wallet share

04)

Well-positioned to continue to deliver accelerated growth while expanding margins

# WE SERVE THE PORTFOLIO CONSTRUCTION, PERFORMANCE & RISK NEEDS OF INVESTORS ACROSS THEIR ENTIRE ORGANIZATION





#### INVESTMENT TEAMS

#### **WHAT**

Asset allocation, portfolio construction, performance attribution and risk management

#### **WHO**

Chief Investment Officers, portfolio managers and quantitative research analysts

### PRODUCT AND OPERATIONS TEAMS

#### **WHAT**

Enterprise risk management, performance attribution, and regulatory reporting

#### **WHO**

Chief Risk Officers, Chief Technology Officers, Chief Operating Officers, risk managers and compliance officers

### MARKETING AND DISTRIBUTION TEAMS

#### WHAT

Investor reporting and digital delivery of content to articulate their unique value proposition

#### WHO

Investor relations teams and heads of sales and distribution

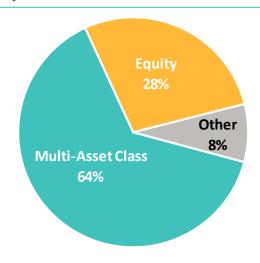
Global Multi-Asset-Class Solutions Spanning Investment Styles

# GLOBAL BLUE-CHIP CLIENT BASE DIVERSIFIED ACROSS SEGMENTS AND ASSET CLASSES

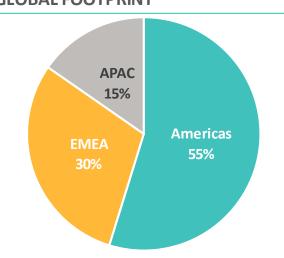


Our analytics solutions are extensively used by asset owners, asset managers and intermediaries globally to solve a broad range of investment problems

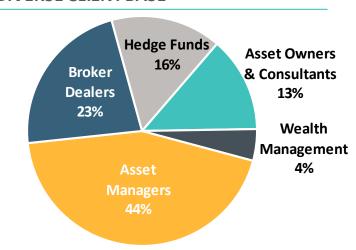
### \$492M OF RUN RATE<sup>1</sup> ACROSS EQUITIES AND MULTI-ASSET CLASS



#### **GLOBAL FOOTPRINT**



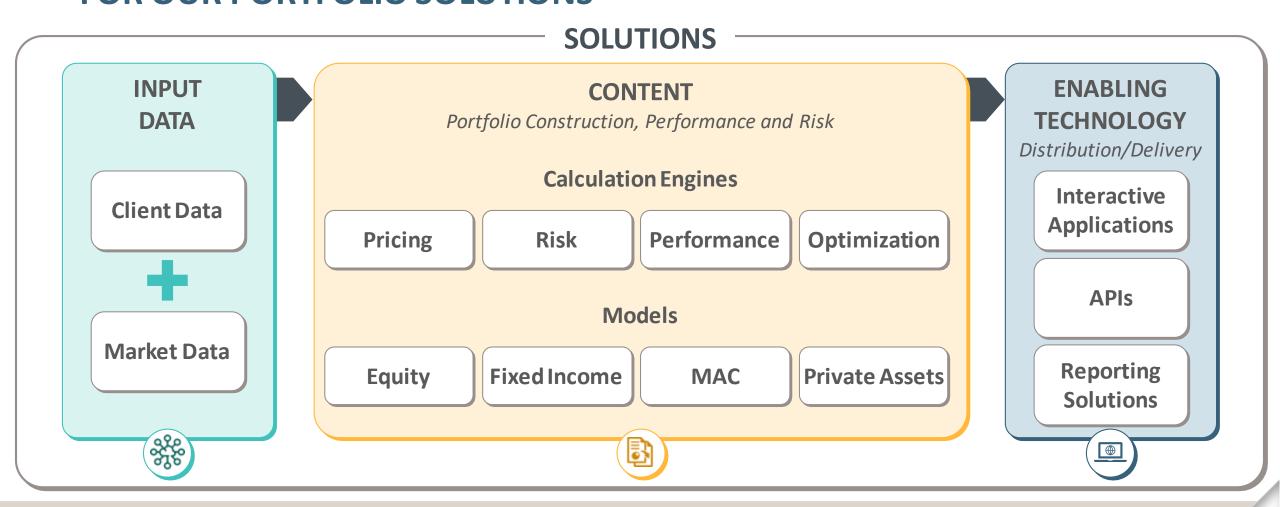
#### **DIVERSE CLIENT BASE**



<sup>&</sup>lt;sup>1</sup> Run Rate as of December 31, 2018.

# CONTENT AND TECHNOLOGY ARE THE BUILDING BLOCKS FOR OUR PORTFOLIO SOLUTIONS





**Extensive Capabilities Allow Us to Offer Broad and Flexible Solutions** 

# SECULAR TRENDS ARE DRIVING DEMAND FOR PORTFOLIO SOLUTIONS<sup>1</sup>



**TREND** 

Investment Differentiation

Regulation

Operational Efficiency

WHY?

Increasingly sophisticated investors demand targeted solutions<sup>1</sup> for specific needs

Increasing and/or evolving regulation to ensure solvency and/or protect investors

Investors driving fees down creates pressure on asset managers' margins

**IMPACT** 

Asset managers must build targeted investment solutions<sup>1</sup>

Institutions need to comply with changing risk-related regulation

Asset managers must improve infrastructure and make operations more efficient to provide cost effective solutions<sup>1</sup>

Attractive Opportunity to Help Investors Build Innovative Investment Solutions<sup>1</sup>, Comply with Changing Regulations and Operate More Efficiently

<sup>&</sup>lt;sup>1</sup> Solutions refers to investment strategies designed to achieve specific investment objectives.





Decades-old Infrastructure

Collection of Several 3rd Party & Internal Tools

High Costs, Inflexible Solutions and Time Wasted on Operational Tasks

#### **Client Priorities as They Rethink Their Infrastructure:**

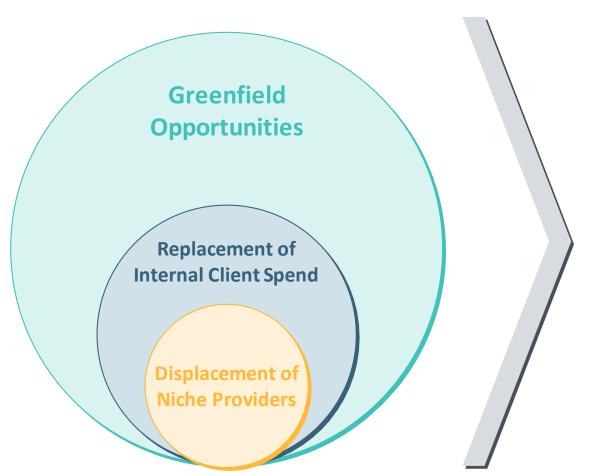
- Lower cost structure and operational complexity
- ▶ Innovate to stay ahead of investor demand for investment solutions
- ▶ Retain flexibility to take advantage of advances in data, models and technology

# MSCI Provides Investment Managers Tools Needed for portfolio construction, performance measurement and attribution, risk management, investor reporting/marketing and regulatory compliance

#### **Investors Need to Refresh Their Investment Infrastructure**

# STRONGLY POSITIONED TO CAPITALIZE ON A LARGE OPPORTUNITY \$20B+ IN TAM GLOBALLY





#### Greenfield Opportunities

- Investment innovation (e.g., factor investing, ESG)
- Regulation (e.g., liquidity)
- Increasing adoption of best practices and technology (e.g., asset owners becoming more sophisticated)

#### Replacement of Internal Client Spend

- Internal software development
- Outsourcing through services

#### Displacement of Niche Providers

- Offerings across single asset classes (e.g., equity only)
- Narrow products to specific problems (e.g., performance attribution only)

Winners Will Provide Flexible and Integrated Solutions Across Asset Classes

# FOCUSED INVESTMENTS TO CAPTURE THE OPPORTUNITY UNLEASHING OUR CONTENT AND DRIVING INTEGRATION



Technology Platform • Unlock content value and distribution – our content is currently "trapped" in separate tools.
We will unleash it through technology to increase adoption and solve multiple problems across the enterprise

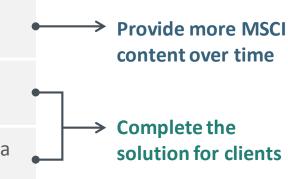
• **Enable integration** – connecting disparate systems and data into seamless workflows across the investment process

Content

Solutions



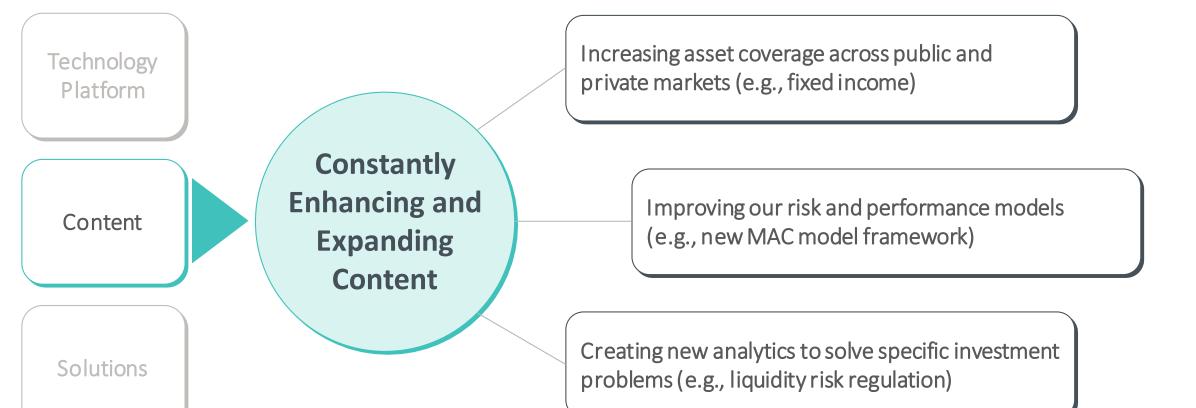
- All our content delivered through a single platform
- Clients can add their own analytics and data
- 3<sup>rd</sup> party analytics and data natively integrated



The MSCI Platform is Designed to Increase Adoption of Our Content Across Our Clients' Organizations

# FOCUSED INVESTMENTS TO CAPTURE THE OPPORTUNITY DELIVERING INVESTMENT DIFFERENTIATION

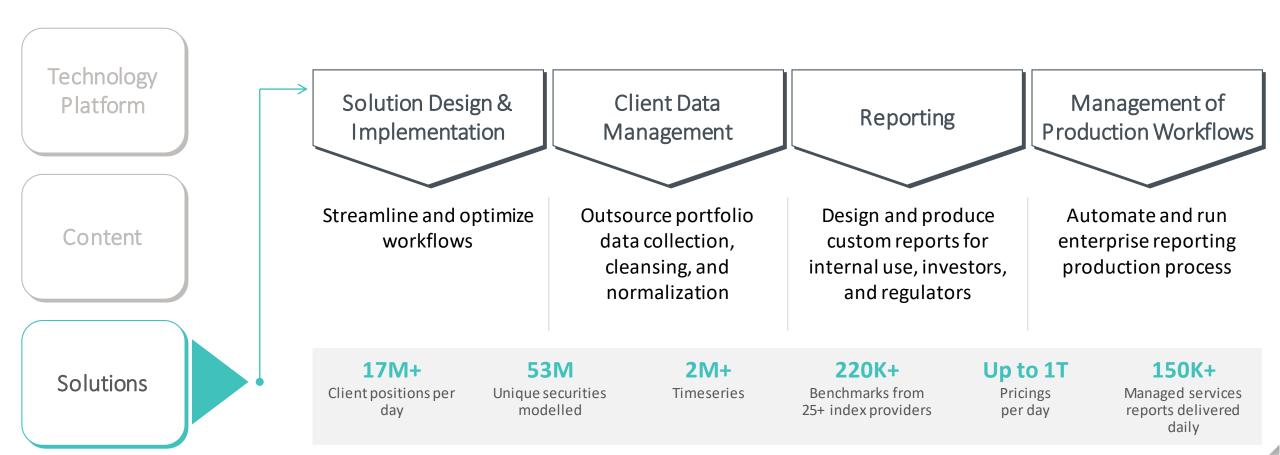




**Innovating to Solve New Client Problems** 

# FOCUSED INVESTMENTS TO CAPTURE THE OPPORTUNITY CREATING OPERATIONAL EFFICIENCIES FOR OUR CLIENTS



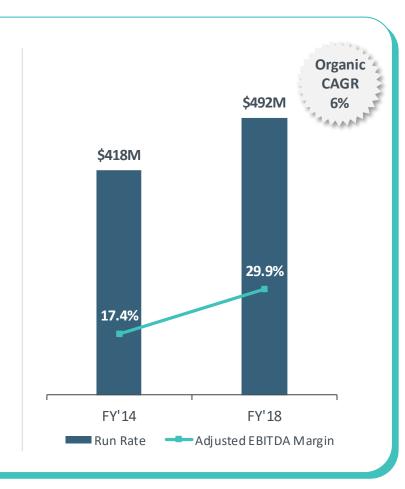


**Our Solutions Support Mission Critical Processes and Provide Operational Efficiencies** 

#### **KEY TAKEAWAYS**



- Strong global franchise serving the top financial institutions across the investment ecosystem
- Seizing high growth opportunities driven by secular changes in the investment industry
- Delivering new technology platform to drive higher levels of sustainable growth
- We win by leveraging our client relationships, industry expertise, and broad capabilities across content, technology, and solutions



#### **ANALYTICS**

2018 Organic
Revenue Growth

7%

#### **Long-term Targets**

Revenue Growth Rate High Single Digit to Low Double Digit

Adj. EBITDA Expense Growth Rate Mid to High Single Digit





### **SUSTAINABLE INVESTING**

Remy Briand | Head of ESG

#### **KEY MESSAGES | SUSTAINABLE INVESTING**



01)

Unparalleled insights on ESG attributes of investments and tools to build portfolios

02

Rapidly growing demand for these tools as investors increasingly build sustainable investment portfolios

03)

High quality and deep data, broad coverage of securities and wide client adoption to continue to differentiate ourselves

04)

evolution as a growing number of investment organizations incorporate ESG across an increasingly wide range of use cases

05)

positioned to
become a standard
as ESG has the
potential to be a
consideration in
every investment
decision

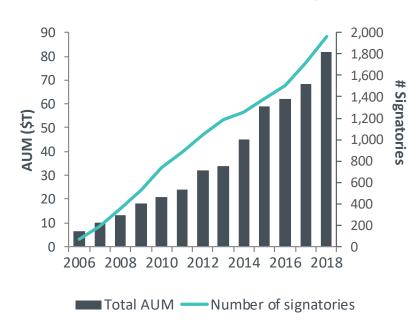




#### MSCI IS WELL POSITIONED IN RAPIDLY GROWING MARKET

#### **Strong Investor Interest**

#### UN PRI<sup>1</sup> Has Grown to Over 1,900 Signatories



#### **Powerful Underlying Drivers**

- Investors have become less tolerant of corporate ESG incidents
- Understand better the potential financial benefit of ESG
- Demonstrate willingness to act
- Improved ESG ratings allows them to measure what was once unmeasurable

#### **Significant Growth in Demand**

### Sustainable and Responsible Investing in the U.S. $(1995-2018)^2$



#### **ESG Investing Has the Potential to Affect All Market Participants**

<sup>&</sup>lt;sup>1</sup> United Nations' Principles for Responsible Investment; <sup>2</sup> Source: U.S. SIF Foundation.

#### WHAT DO WE OFFER?



MSCI's leading Ratings, Indexes and Analytics solutions enable ESG integration throughout the investment process



#### **LEADING ESG RATINGS & RESEARCH**

Broad coverage with 14,000<sup>1</sup> entities, >90% of equity and FI market value



### INNOVATIVE EQUITY & FIXED INCOME INDEXES FOR VARIOUS ESG APPROACHES

1,000+ indexes covering integration, screening and impact



### MARKET-LEADING RISK ANALYTICS PLATFORM & ESG REPORTING

Sophisticated ESG Analytics and scalable reporting across 650,000 multi-asset class securities

### INTEGRATING ESG ACROSS ENTIRE INVESTMENT PROCESS



<sup>&</sup>lt;sup>1</sup> Includes Subsidiaries

#### MSCI'S COMPETITIVE ADVANTAGE





#### Provided by **MSCI ESG Ratings**

Aim to identify the most significant risks in order to forge a forward-looking view of company performance

- 10+ year track record and research demonstrating the economic relevance of MSCI ESG Ratings
- Pioneer of materiality based ESG Ratings & constant innovation to enhance our model
- Voted Best Firm for SRI Research and Corporate Governance Research (2015, 2016, 2017)



### **EXTENSIVE COVERAGE AND SOLUTIONS**

#### Embedded in MSCI Analytics

Aim to assess all holdings on multiple dimensions of ESG; achievable with extensive coverage of assets and scalable systems

- Define and measure most relevant ESG strategies and approaches for leading global equity and fixed income indexes
- Sophisticated ESG analytics across 650,000 multi-asset class securities
- Scalable client reporting



#### Enabled by MSCI's Global Client Base

Want MSCI as a trusted third-party to provide an objective assessment of ESG performance

- Investors across the ecosystem and around the world use MSCI ESG ratings and indexes to assess ESG performance: it is a standard
- Asset owners, consultants and wealth management fund selection teams are using ESG ratings to award mandates, select managers or buy funds

Established Track Record with Deep History of Content Enabled by Our Strong Understanding of the Investment Process and Position in the Ecosystem





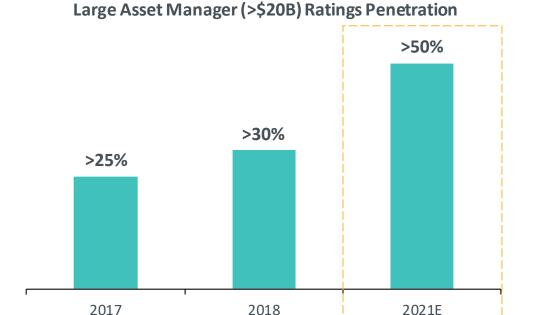
#### TWO GROWTH DRIVERS



#### **New Clients**

Penetration rate still low at 30%

 Revenue growth to be driven by increased penetration of asset managers globally

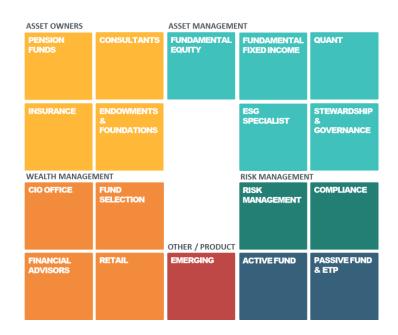




#### **New Use Cases**

Most Clients Have Two, Leading Clients Have 4 or 5

 We expect our clients will expand the number of use cases within their organization as they scale up ESG integration efforts; continues to lead to upsell opportunities







Significant investments in MSCI ESG product line over last eight years; investing to strengthen our competitive advantages by increasing coverage of instruments across asset classes, improving our ESG content and broadening our solutions set

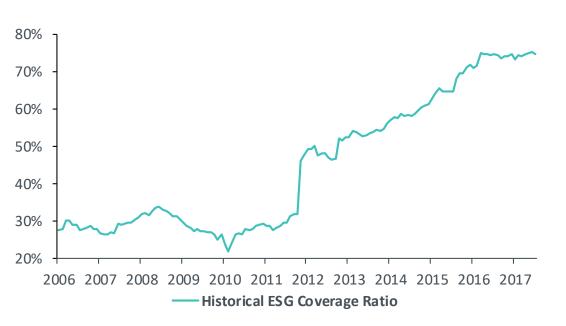
More Asset Classes and Securities Covered

More Clients and Use Cases

More Alternative Data And Al-enabled Content

Better Signal and Lower Cost to Produce

Historical ESG Data Coverage in Terms of Market-cap within a Commonly Used Global High Yield Index (USD)<sup>1</sup>



% Contribution to ESG Scores by Data Source<sup>2</sup>

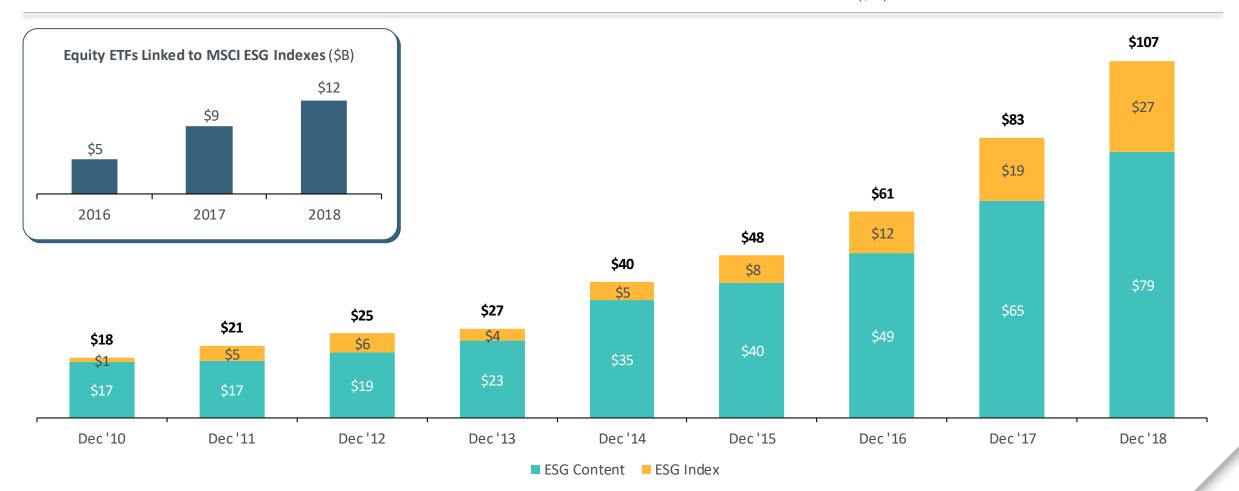


<sup>&</sup>lt;sup>1</sup> JP Morgan. Blog: Systematic investing in ESG themes within the USD high yield corporate bond market. August 23, 2018; <sup>2</sup> 2,434 constituents of the MSCI ACWI Index as of November 30, 2017. Source: MSCI ESG Research.

#### **CAPTURING THE UPSIDE**



#### MSCI's ESG Content and ESG Index Run Rate<sup>1</sup> (\$M)



<sup>&</sup>lt;sup>1</sup> ESG Content includes ESG segment Run Rate, and ESG Index includes ESG related Index subscription and asset-based fees Run Rate.

#### **KEY TAKEAWAYS**



- Driving adoption of ESG in every investment decision
- Adding client facing resources to increase penetration and adoption use cases across clients
- Investing in data and research to broaden coverage
- Enhancing technological capabilities to further incorporate alternative data and increasing scalability

#### **ESG**

2018 Organic Revenue Growth

30%

**Long-term Targets** 

**Revenue Growth Rate** 

Mid Twenties





# PRIVATE ASSET CLASS INVESTING

Jay McNamara | Head of Real Estate

#### **KEY MESSAGES | PRIVATE ASSET CLASS INVESTING**



01)

#### **MSCI** Real Estate

A leading provider of real estate investment tools, delivering critical business intelligence at both asset and fund levels to institutional investors and real estate owners, managers, brokers and occupiers worldwide

02)

#### The Opportunity

Allocations to real estate and all private assets are increasing; higher sophistication in the industry with growing demand for more efficient operations and data exchanges

03)

#### **Our Expertise**

Global coverage of real estate with investment tools and analysis covering over \$2T of private real estate assets across 32 markets worldwide<sup>1</sup> 04)

#### **New Investments**

relationships and transform the client experience through new, innovative platform; build on automated processes and self-serve capabilities resulting in scalable growth

05)

#### **Growth Model**

Move from local franchises to global, more scalable and broader use cases focused on growing recurring revenue base

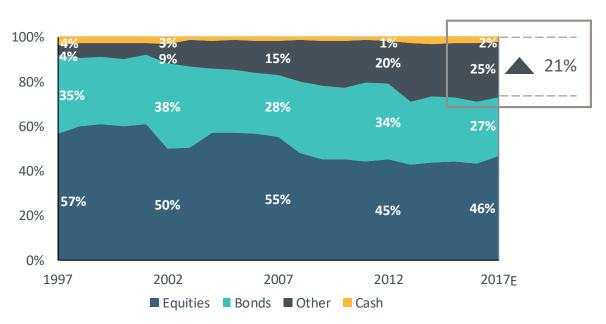
Expand model into other private asset classes

<sup>&</sup>lt;sup>1</sup> Based on 2017 year-end figures of MSCI Real Estate.



#### **INCREASING ALLOCATIONS TO PRIVATE ASSETS: THE FUTURE**

#### Aggregate Asset Allocation | 1997 to 2017<sup>1</sup>



#### Trends and Projections for AUM by Private Asset Class<sup>2</sup> (\$T)



- Since 1997, bonds, equities and cash allocations have reduced to varying degrees while allocations to other assets (real estate and other alternatives) have increased from 4% to 25%
- Real Estate and other private asset investments are expected to grow in the next five to ten years driven by the belief of potentially outperforming public markets





#### WHAT WE DO

Collect Lease, Asset and Portfolio Data + Validate and Aggregate + Standardized Data Input to Products and Indexes



#### **Enterprise Analytics**

 Single integrated market information, analytics and risk platform



#### **Global Intel**

- One of the most extensive private real estate databases in the world
- Data contributed by clients



#### **Indexes & Benchmarks**

- Single, global framework
- Asset or fund level
- Customizable benchmarks



#### Research

- Leverages our unique database and analytics capabilities
- Provides actionable insights

### PROVIDE INSIGHTS BY LEVERAGING ONE OF THE MOST EXTENSIVE PRIVATE REAL ESTATE DATABASES IN THE WORLD

#### **STANDARD INDEXES**

- 40 standard property indexes
- 15 standard property fund indexes
- 2 private infrastructure indexes

#### **MEASURES**

- 6 performance measures
- 30 operating measures
- 7 yield measures
- 15 investment measures
- 9 descriptive measures

#### **CUSTOMIZED INDEXES**

- Property specific sector / asset value / age
- Peer group investor / portfolio / fund type
- Geographical insights cities / states / country / continent

#### **CLIENT OVERVIEW**

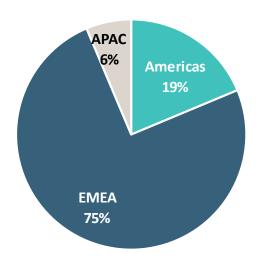


#### **KEY STATS**

#### 900+

Clients across 36 countries

2018 Run Rate by Region



\$2TAUM (Real Estate)<sup>1</sup>

Managed by Our Clients

#### **CLIENT OPPORTUNITY**

Significant unmet demand for comprehensive Risk and Performance Benchmarking from Asset Owners (Limited Partners) and Asset Managers (General Partners)

- Asset Owners continue to demand transparency, market information, analytics and co-investment from Asset Managers
- · Increasing complexity triggering an urgent need to standardize calculations, metrics and reporting

Institutional investors are increasing allocations to Private Assets to achieve targeted outcomes

- Clear demand for integration of private asset portfolios into a multi-asset class platform
- Ability to select appropriate and meaningful benchmarks that align with investment strategy

End to End Process Management and Insight throughout the Investment Process

- Operations: efficient management and transfer of data
- Asset Management: seamless views into exposures and valuations
- Investment Management: need for global insight to guide the investment process

SELECT CLIENTS













 $<sup>^{\</sup>rm 1}$  AUM measured (MSCI Index coverage 2017 in Annual Index – USD trillions).



#### MSCI UNIQUELY POSITIONED TO MEET GROWING DEMANDS

MSCI's goal is to provide **Investment Management Decision Making Tools** to the **Owners** and **Managers** of capital across asset classes in all corners of the globe

#### CORE ELEMENTS OF STRATEGY | BUILDING BLOCKS FOR COMPETITIVE ADVANTAGE

#### Where We Were

Where We are Today

#### 2019 New Investments

2020 and Beyond

- Extensive industry leading research and product management
- 30+ years of being in the business with historical data dating to 1980
- Antiquated and legacy IT infrastructure and products providing clients with static performance analysis

- Significant restructuring over the last 18 months with a new management and operating team
- Enhancing value proposition with dynamic solution enabling performance and risk benchmarking
- Repurposing investments into technology and new product development focused on broader client needs
- Investments in infrastructure to organically develop and extend into other private assets areas or acquire new capabilities
- We aim to extend our coverage to the full spectrum of Private Assets: Private Real Estate, Private Equity, Infrastructure, Private Credit and other Private Assets

# INVESTMENTS ALIGNED TO PROVIDE SOLUTIONS ACROSS COMMON CLIENT CHALLENGES



#### **Common Client Challenges**

#### Multiple, inconsistent data sources

 "Complete and consistent views of enterprise available for strategic analysis"

#### **Unsophisticated data management**

 "The ability to answer investor questions or support new business development requirements quickly"

### Long lead-times and manual analyst work

 "More efficient portfolio reporting to clients and stakeholders"

### **Opaqueness of performance in Private Markets**

Standardization of performance management



# STRENGTHEN THE CORE TO DELIVER ATTRACTIVE AND SUSTAINABLE GROWTH





Clear Focus on
Operating Leverage
& Operating
Efficiency

- Simplified processes; moved from a local to a global business model
- Consolidated multiple platforms into one unified platform and driving efficiencies by automating processes



Disciplined Investing for Growth

- Investing in areas with the highest growth potential and ROIs
- New solutions and areas of investment are based on feedback from client consultations; Solve for more scalable and broader use cases



Monetizing the Unique Data Set

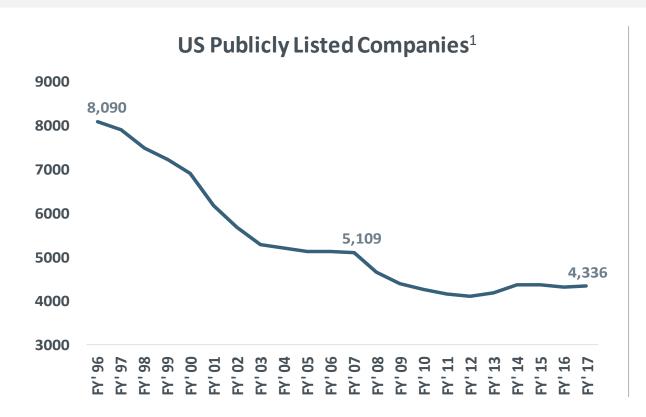
- Expanding into newer markets and continue to build on competitive advantage by growing unique dataset
- Focus on providing global house measurement to large AOs/AMs and provide for mass customization



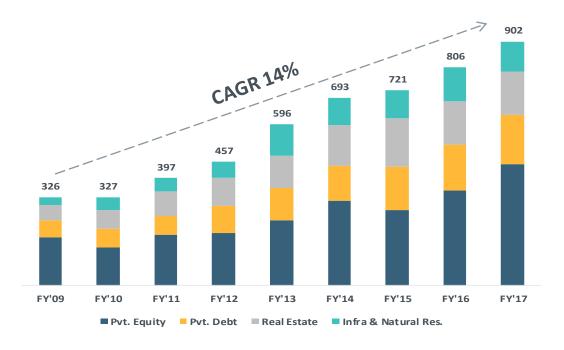


Number of Publicly Listed companies continues to decline while asset allocation into Private Assets has continued to grow;

Private Assets are expected to continue delivering superior risk-adjusted returns



#### Global private markets funds raised by Asset Class<sup>2</sup> (\$B)



Sources: <sup>1</sup> World Bank; <sup>2</sup> 2017; Preqin, McKinsey. Note: Real Estate figures reflect closed end funds only.

#### **KEY TAKEAWAYS**



- Global Asset Owners are increasingly allocating more capital to private markets; we believe this trend will only increase
- Increased demand for transparency, data and analytics akin to what has been used in public markets for over two decades
- Unrivaled relationships with global Asset Owners allow for deeper knowledge and expertise related to asset allocation, portfolio construction, risk management and performance management
- Strategic investments will allow for profitable and scalable growth within the real estate space and in other private asset classes either organically or through acquisitions
- MSCI's strong roots and expertise in the public markets allow us to bring public market rigor and standards to private markets

#### **REAL ESTATE**

2018 Organic Revenue Growth

8%

Long-term Targets

**Revenue Growth Rate** 

Mid-Teens





# FINANCIAL OVERVIEW & CAPITAL ALLOCATION STRATEGY

Kathleen Winters | CFO

#### **FINANCIAL KEY MESSAGES**



01)

Strong financial
performance track
record and
exceptional
shareholder value
creation enabled by
world class financial
management

02)

Compelling
financial model
including high
degree of recurring
revenues and highly
cash generative
business

03)

Strong balance sheet with significant flexibility to support growth initiatives 04

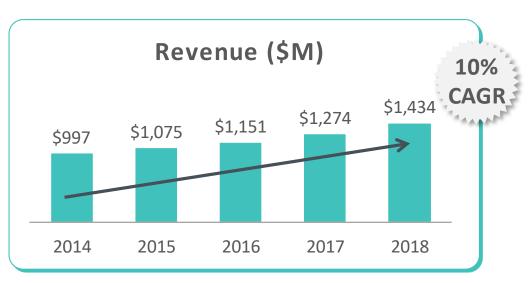
Disciplined capital allocation strategy with high degree of financial rigor to support decision making

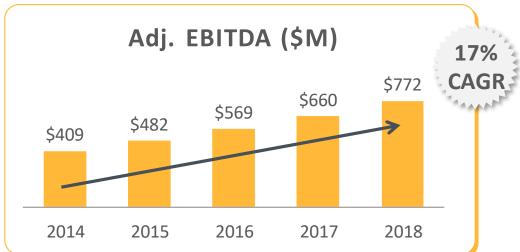
05)

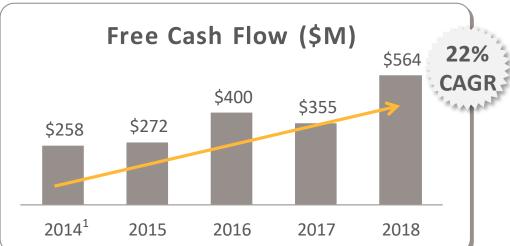
Reaffirming 2019
guidance and
updating long-term
guidance with
continued focus on
creating long-term
shareholder value

# DISCIPLINED AND RIGOROUS FINANCIAL MANAGEMENT DELIVERING GROWTH ACROSS KEY METRICS











- Management by Metrics
- Financial discipline and rigor
- Culture of performance and accountability

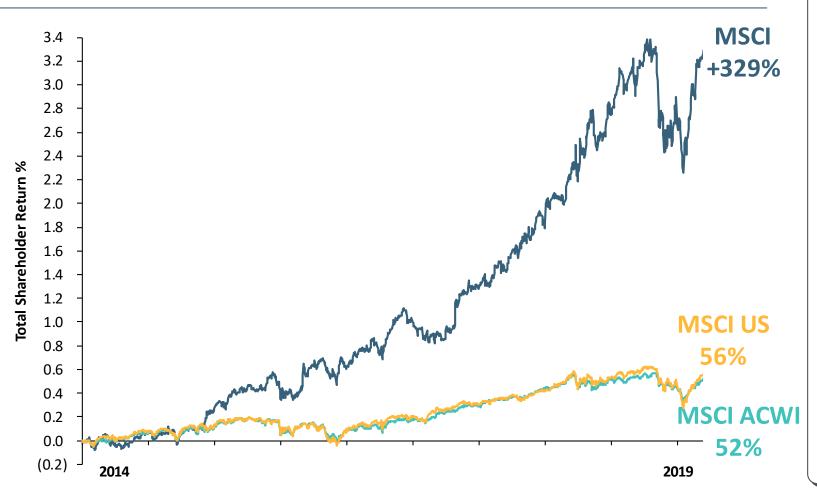
World Class
Financial
Management
Underpinned By

<sup>&</sup>lt;sup>1</sup> Adjusted to include \$2.8 million of excess tax benefits to conform with current accounting guidance.





#### Total Shareholder Return<sup>1</sup>



### **Building Value for Shareholders**

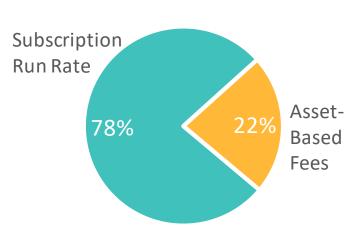
- Consistent strategy and execution
- Market-leading innovation founded on world-class research and actionable client solutions
- High recurring revenue, high retention rate and highly cash generative
- Track record of high return investments

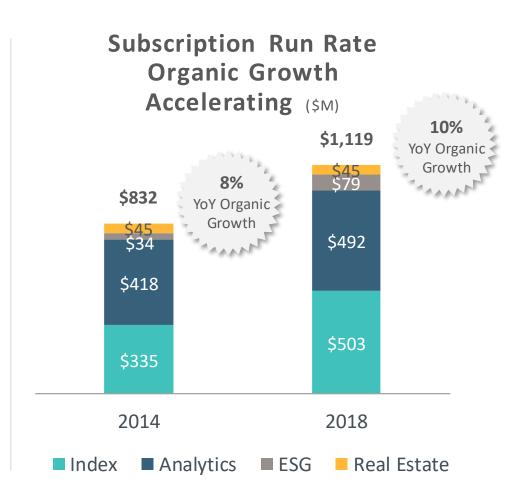
<sup>&</sup>lt;sup>1</sup> Source: Data from December 31, 2013 through February 22, 2019 from FactSet

# COMPELLING FINANCIAL MODEL HIGHLIGHTED BY SIGNIFICANT RECURRING SUBSCRIPTION REVENUE







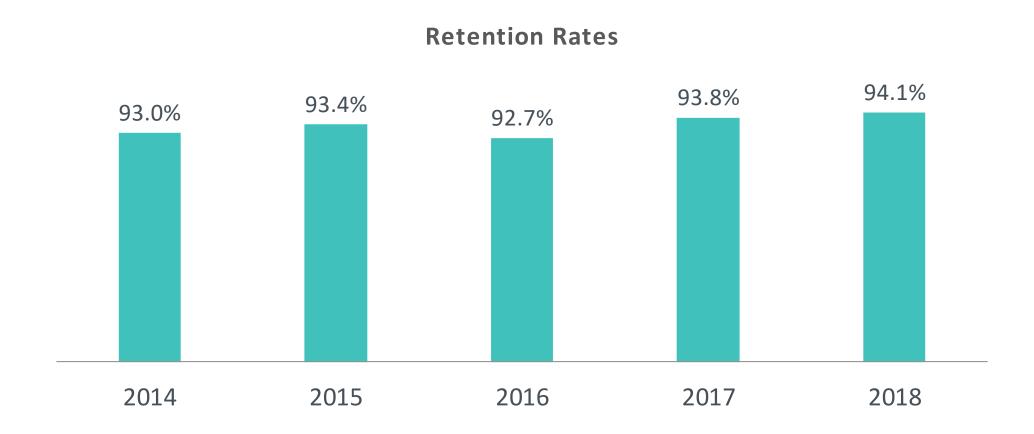


### **How We have Driven Subscription Growth**

- Continuous stream of innovation
- Actionable client solutions with differentiated content enabled by technology
- Capitalizing on favorable secular trends
- Commercial excellence



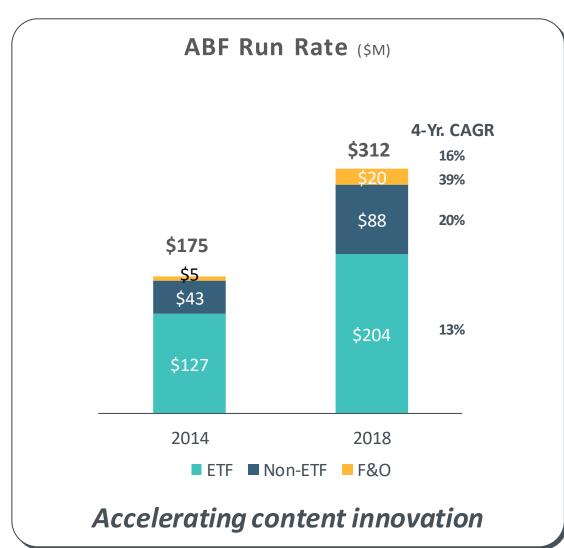
### RESILIENT FRANCHISE SUPPORTS HEALTHY RETENTION RATES

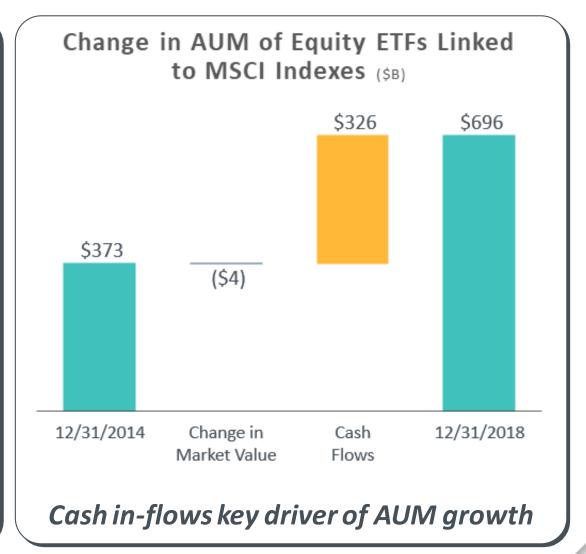


### **Highly Sticky Client Base; Low Rate of Cancellations**

# CAPITALIZING ON FAVORABLE SECULAR TREND: INDEX-BASED INVESTING









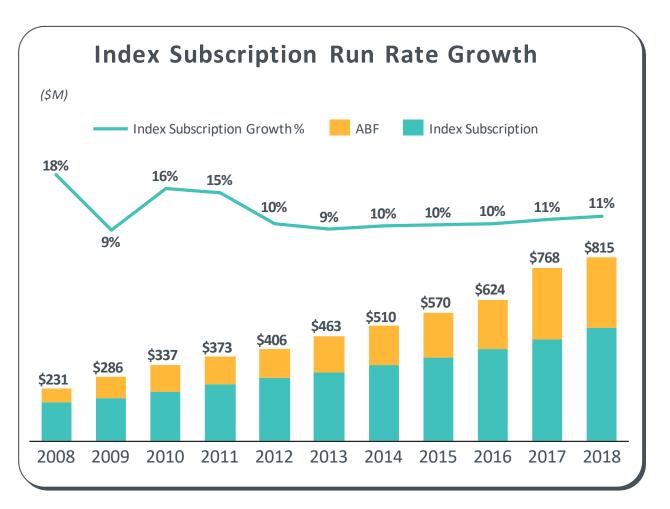
~\$10M

**Savings** 

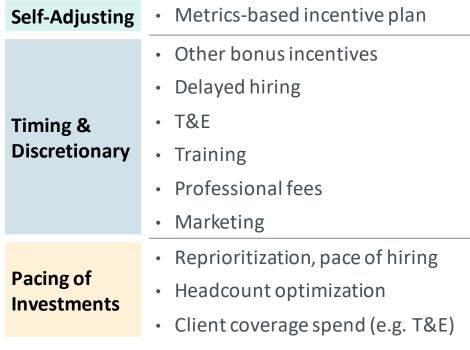
~\$20M

**Savings** 

## RESILIENT SUBSCRIPTION FRANCHISE / DOWNTURN PLAYBOOK



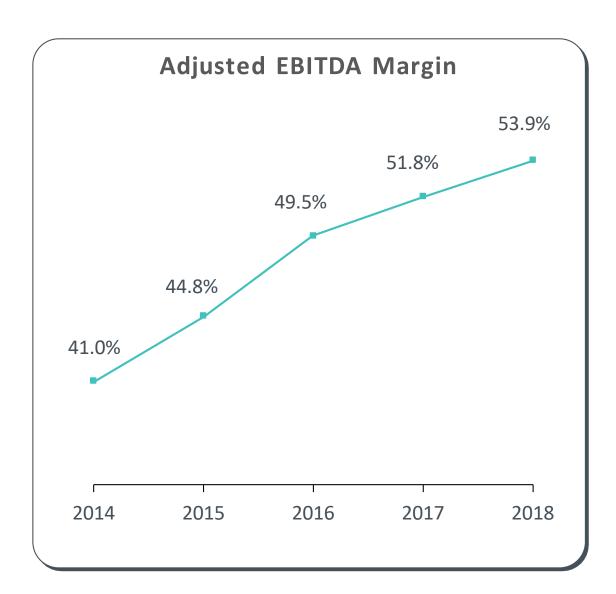
Illustrative Example of Expense Levers to Mitigate ~10% Decline in ABF Revenue, or ~\$30M Decline in Revenue



**Multiple Levers to Manage Market Downturns** 



### STRONG FOCUS ON DRIVING PRODUCTIVITY AND EFFICIENCY

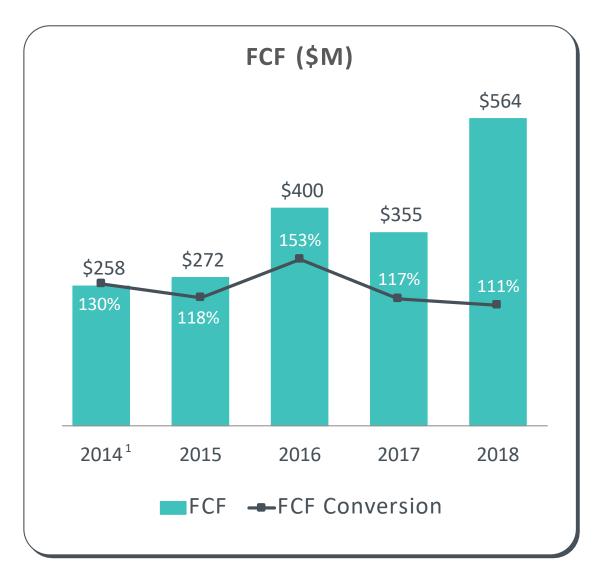


### **Key Initiatives**

- Location Strategy
- Optimize Headcount and Organizational Structure
- Strategic Resource
   Allocation
- Non-Compensation
   Efficiencies
- Operational Efficiencies and Automation







- Strong cash conversion, >100%, driven mainly by robust operating model
- Strong working capital profile; sharp focus on collections
- Cash flows enable flexibility and funding of growth initiatives
- Continued focus on optimizing capital allocation

<sup>&</sup>lt;sup>1</sup> Adjusted to include \$2.8 million of excess tax benefits to conform with current accounting guidance.

# STRONG AND FLEXIBLE BALANCE SHEET; ONGOING CAPITAL DISCIPLINE



**Capital Position** (12/31/18)

### **Capital Structure Policies**

Total Cash	\$904M
Total Debt <sup>1</sup>	\$2,600M
Net Debt <sup>1</sup>	\$1,696M
Total Debt/Adj. EBITDA	3.4x
Net Debt/Adj. EBITDA	2.2x

 Maintain optimum leverage to reduce cost of capital and optimize equity returns

 Preserve financing capacity for potential acquisitions

Operate at a comfortable level of financial risk

3.0 – 3.5x Gross Debt / Adjusted EBITDA

Cash

Leverage

 Maintain cash on hand to cover regional and seasonal working capital needs \$200M-\$250M of min cash (Grows with Business)

<sup>&</sup>lt;sup>1</sup> Excludes deferred financing fees of \$24.5M as of December 31, 2018.





Reinvest for Growth

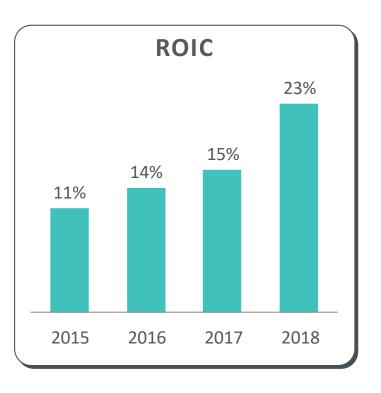
Fund high return and strategic organic initiatives

Opportunistically Pursue M&A

Actively evaluate potential acquisitions but pursue only those that are highly strategic and financially attractive

Disciplined Return of Excess Capital

Opportunistically repurchase shares
Regular return of capital through dividend at level that is meaningful and sustainable



**Intense Focus on ROIC and Value Creation** 





### **Content**

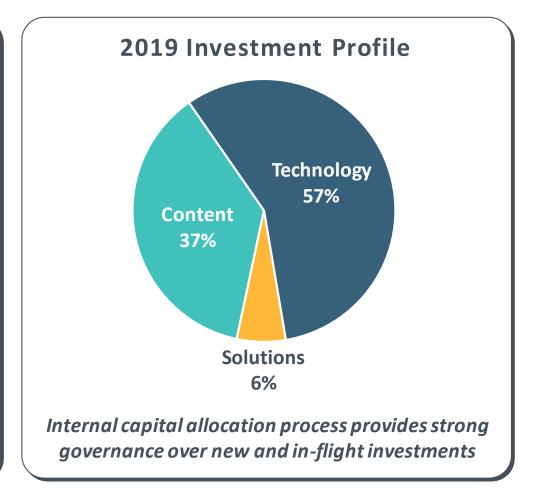
- Accelerate fast growth areas of ESG, Factors and Derivatives
- Expand family of innovative custom and thematic indexes
- Increased focus in Fixed Income and Private Assets

### **Technology**

- Maintaining cutting-edge technology structure (e.g. cloud, artificial intelligence, etc.)
- Accelerate integration and enhancement of platform

### **Solutions**

- Expand regional sales and services, drive focus on newer client segments
- Digital programs and brand building efforts



**Investment Decision Making Backed by Robust Processes** 

### **DISCIPLINED AND FOCUSED M&A APPROACH**



### **Strategic Focus Areas**

Content and Capabilities that Accelerate Current Strategy and Enhances Competitive Position

### **Unique & Proprietary Content**

Private Assets, Fixed Income, ESG

### **Capabilities**

Data or Technology that Enhance Operations or User Experience

#### Distribution

Enhance Access to Capabilities

### **Operational Considerations**

Thorough Understanding of Opportunities and Risks

### **Opportunities**

Synergies, Talent, Capabilities

#### **Risks**

Dis-synergies, Costs, Culture, Systems, Competition

### Integration

Rigorous Planning and Project Management

### **Key Financial Considerations**

Commitment to Achieving Compelling Returns

### **Pro Forma Financial Impact**

Accretive to Adj. EPS, Growth and Margins

Cash ROIC > Cost of Capital within 5 yrs.

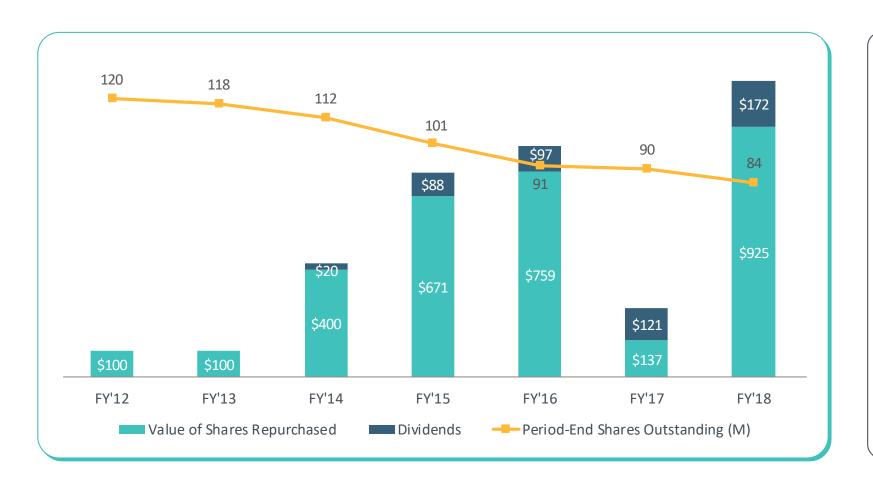
IRR at Appropriate Riskadjusted Hurdle Rate

**Creating Value and Enhancing Competitive Advantage** 

### STRONG TRACK RECORD OF RETURNING CAPITAL



(\$M, except period-end shares)



# Return of Capital Approach



Meaningful & Sustainable Dividend:

40-50% of Adj. EPS

Opportunistic
Repurchases Driven by:

Availability of Cash, Market Volatility

\$3.6B Capital Returned Since 2012





(\$M)	2018	2019 Guidance	YoY Variance
Operating Expenses	\$747	\$772 to \$800	3% to 7%
Adj. EBITDA Expenses <sup>1</sup>	\$662	\$685 to \$705	3% to 6%
Interest Expense	\$133	\$144	\$11
Effective Tax Rate <sup>2</sup>	19.4%	11.5% to 14.5%	(7.9%) to (4.9%)
Net Cash Provided by Operating Activities	\$613	\$600 to \$630	(\$13) to \$17
Capex	(\$49)	(\$55) to (\$45)	(\$6) to \$4
Free Cash Flow	\$564	\$545 to \$585	(\$19) to \$21

### **What We Are Seeing**

- No changes to guidance
- Core subscription business on track with healthy pipeline
- Healthy cash inflows into equity ETFs linked to MSCI indexes

<sup>&</sup>lt;sup>1</sup> Excludes the estimated payroll tax impact from the vesting in the three months ending March 31, 2019 of the multi-year PSU awards granted to executives in 2016 (the "Multi-Year PSUs"); <sup>2</sup> Includes the estimated income tax windfall benefit related to the vesting of the Multi-Year PSUs which is expected to reduce the 2019 effective tax rate by 8.5 to 9.5 percentage points.

## **LONG-TERM MODEL**

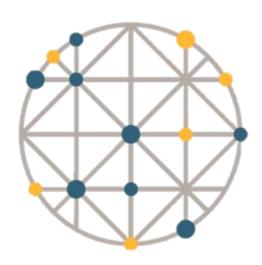


	2018 Organic Revenue Growth (ex. ABF)	Revenue Growth Rate (ex. ABF)	Adj. EBITDA Expense Growth Rate	Adj. EBITDA Growth Rate	Adj. EBITDA Margin %
Index	13% ✓	Low Double Digit	High Single Digit		
Analytics	7% ✓	High Single Digit to Low Double Digit	Mid to High Single Digit		
ESG	21% ✓	Mid Twenties	Low to Mid		
Real Estate		Mid Teens	Teens		
MSCI	11% 🗸	Low Double Digit	High Single Digit	Mid Teens	Mid to High 50s
Adj. EBITDA Margin %	<b>53.9%</b> ✓ = Successfully achieved previously communicated long-term targets				

### **KEY TAKEAWAYS**



- Disciplined, world-class financial management and culture of accountability
- Proven track record of consistent and focused execution driving strong financial results and exceptional total shareholder returns
- Attractive financial model with nearly 80% recurring subscription and non-recurring revenue business growing double digits
- Productivity and disciplined investment to drive long-term growth
- Strong balance sheet and strong cash flow profile provides significant flexibility for capital deployment







# **SUMMARY | WHY MSCI**

Henry Fernandez | Chairman & CEO

### **MSCI THRIVING IN A TRANSFORMING INDUSTRY**





### **Favorable Industry Trends**

Global investing, growth in passive investing (ETFs), use of factors, increasing need for performance attribution/risk reporting, integration of ESG into the mainstream of the investment process

## **Compelling Business Model**

Strong track record of revenue growth 98% of revenue is recurring¹/retention rate 94% (FY'18) High margin/low capital requirements Strong cash generation and balance sheet

## **Leading Competitive Position**

A leader in cross-border index licensing #1 among index providers in number of equity ETFs² linked to equity indexes (1090+ as of December 2018)

World-class research enhanced content and IP

## **Empowered Culture**

Focus on consistent, quality growth/strong accountability Solid stewardship of capital/focus on shareholder value creation Strong governance

<sup>&</sup>lt;sup>1</sup> Recurring revenues include recurring subscription and asset-based fees revenues; <sup>2</sup> As reported by Bloomberg



**Q&A SESSION** 



# **APPENDIX**





- MSCI has presented supplemental key operating metrics as part of this presentation, including Run Rate, subscription sales and cancellations, non-recurring sales and Retention Rate.
- Retention Rate for a period is calculated by annualizing the cancellations for which we have received a notice of termination or for which we believe there is an intention not to renew during the period, and we believe that such notice or intention evidences the client's final decision to terminate or not renew the applicable agreement, even though such notice is not effective until a later date. This annualized cancellation figure is then divided by the subscription Run Rate at the beginning of the year to calculate a cancellation rate. This cancellation rate is then subtracted from 100% to derive the annualized Retention Rate for the period. Retention Rate is computed by segment on a product/service-byproduct/service basis. In general, if a client reduces the number of products or services to which it subscribes within a segment, or switches between products or services within a segment, we treat it as a cancellation for reporting purposes, except in the case of a product or service switch that management considers to be a replacement product or service. In those replacement cases, only the net change to the client subscription, if a decrease, is reported as a cancel. In the Analytics and the ESG segments, substantially all product or service switches are treated as replacement products or services and netted in this manner, while in our Index and Real Estate segments, product or service switches that are treated as replacement products or services and receive netting treatment occur only in certain limited instances. In addition, we treat any reduction in fees resulting from a down-sale of the same product or service as a cancellation to the extent of the reduction.
- Run Rate estimates at a particular point in time the annualized value of the recurring revenues under our client license agreements ("Client Contracts") for the next 12 months, assuming all Client Contracts that come up for renewal are renewed and assuming then-current currency exchange rates, subject to the adjustments and exclusions described elsewhere in our Public Filings. For any Client Contract where fees are linked to an investment product's assets or trading volume/fees, the Run Rate calculation reflects, for ETFs, the market value on the last trading day of the period, for futures and options, the most recent quarterly volumes, and/or reported exchange fees, and for other non-ETF products, the most recent client reported assets. Run Rate does not include fees

- associated with "one-time" and other non-recurring transactions. In addition, we add to Run Rate the annualized fee value of recurring new sales, whether to existing or new clients, when we execute Client Contracts, even though the license start date, and associated revenue recognition, may not be effective until a later date. We remove from Run Rate the annualized fee value associated with products or services under any Client Contract with respect to which we have received a notice of termination or non-renewal during the period and have determined that such notice evidences the client's final decision to terminate or not renew the applicable products or services, even though such notice is not effective until a later date.
- "Organic subscription Run Rate growth" is defined as the period over period Run Rate growth, excluding the impact of changes in foreign currency and the first year impact of any acquisitions. It is also adjusted for divestitures. Changes in foreign currency are calculated by applying the currency exchange rate from the comparable prior period to current period foreign currency denominated Run Rate.





- "Organic revenue growth" is defined as operating revenue growth compared to the prior year period excluding the impact of acquired businesses, divested businesses and foreign currency exchange rate fluctuations.
- "Adjusted EBITDA" is defined as net income before (1) provision for income taxes, (2) other expense (income), net, (3) depreciation and amortization of property, equipment and leasehold improvements, (4) amortization of intangible assets and, at times, (5) certain other transactions or adjustments.
- "Adjusted EBITDA expenses" is defined as operating expenses less depreciation and amortization of property, equipment and leasehold improvements and amortization of intangible assets and, at times, certain other transactions or adjustments.
- "Adjusted net income" and "adjusted EPS" are defined as net income and diluted EPS, respectively, before the after-tax impact of the amortization of acquired intangible assets, the impact of divestitures, the impact of Tax Reform adjustments (except for amounts associated with active tax planning implemented as a result of Tax Reform) and, at times, certain other transactions or adjustments.
- "Capex" is defined as capital expenditures plus capitalized software development costs.
- "Free cash flow" is defined as net cash provided by operating activities, less Capex.
- We believe organic revenue growth is a meaningful measure of the operating performance
  of MSCI because it adjusts for the impact of foreign currency exchange rate fluctuations
  and excludes the impact of operating revenues attributable to acquired and divested
  businesses for the comparable prior year period, providing insight to our continuing core
  operating performance for the period(s) presented.
- We believe adjusted EBITDA and adjusted EBITDA expenses are meaningful measures of the operating performance of MSCI because they adjusts for significant one-time, unusual or non-recurring items as well as eliminate the accounting effects of capital spending and acquisitions that do not directly affect what management considers to be our core

operating performance in the period.

- We believe adjusted net income and adjusted EPS are meaningful measures of the
  performance of MSCI because they adjust for the after-tax impact of significant one-time,
  unusual or non-recurring items as well as eliminate the accounting effects of acquisitions
  that do not directly affect what management considers to be our core performance in the
  period. From time to time, we may present normalized adjusted EBITDA expense that
  takes into account one-time discretionary investments and incremental severance, if
  material or helpful.
- We believe that free cash flow is useful to investors because it relates the operating cash
  flow of MSCI to the capital that is spent to continue and improve business operations, such
  as investment in MSCI's existing products. Further, free cash flow indicates our ability to
  strengthen MSCI's balance sheet, repay our debt obligations, pay cash dividends and
  repurchase shares of our common stock.
- We believe that the non-GAAP financial measures presented in this presentation facilitate meaningful period-to-period comparisons and provide a baseline for the evaluation of future results.
- Organic revenue growth, adjusted EBITDA expenses, adjusted EBITDA, adjusted net income, adjusted EPS, adjusted tax rate, Capex and free cash flow are not defined in the same manner by all companies and may not be comparable to similarly-titled non-GAAP financial measures of other companies.

# RECONCILIATION OF OPERATING REVENUES GROWTH TO ORGANIC REVENUES GROWTH



Comparison of the Year Ended December 31, 2018 Against the Year Ended December 31, 2017							
	Total	Asset-Based Fees	Non-Asset-Based Fee Revenues		Total	Asset-Based Fees	Non-Asset-Based Fee Revenues
Index	Change Percentage	Change Percentage	Change Percentage	All Other	Change Percentage	Change Percentage	Change Percentage
Operating revenues	16.2%	21.9%	12.7%	Operating revenues	22.3%	-%	22.3%
Impact of acquisitions and divestures	-%	-%	-%	Impact of acquisitions and divestures	-%	<b>-</b> %	<b>-</b> %
Impact of foreign currency exchange rate changes	<b>-</b> %	<b>-</b> %	(0.1%)	Impact of foreign currency exchange rate changes	(1.5%)	-%	(1.5%)
Organic revenues	16.2%	21.9%	12.6%	Organic revenues	20.8%	<b>-</b> %	20.8%
	Total	Asset-Based Fees	Non-Asset-Based Fee Revenues		Total	Asset-Based Fees	Non-Asset-Based Fee Revenues
Analytics	Change Percentage	Change Percentage	Change Percentage	Consolidated	Change Percentage	Change Percentage	Change Percentage
Operating revenues	4.7%	-%	4.7%	Operating revenues	12.5%	21.9%	10.0%
Impact of acquisitions and divestures	2.4%	-%	2.4%	Impact of acquisitions and divestures	1.0%	-%	1.1%
Impact of foreign currency exchange rate changes	(0.1%)	<b>-</b> %	(0.1%)	Impact of foreign currency exchange rate changes	(0.2%)	<b>-</b> %	(0.2%)
Organic revenues	7.0%	<b>-</b> %	7.0%	Organic revenues	13.3%	21.9%	10.9%

# RECONCILIATION OF OPERATING REVENUES GROWTH TO ORGANIC REVENUES GROWTH – ALL OTHER



Comparison of the Year Ended December 3	31, 2018 Against the '	Year Ended Decemb	er <b>31, 2017</b>
	Total	Asset-Based Fees	Non-Asset-Based Fee Revenues
ESG	Change Percentage	Change Percentage	Change Percentage
Operating revenues	30.2%	-%	30.2%
Impact of acquisitions and divestures	-%	-%	-%
Impact of foreign currency exchange rate changes	0.2%	<u>-%</u>	0.2%
Organic revenues	30.4%	<u>-%</u>	30.4%
	Total	Asset-Based Fees	Non-Asset-Based Fee Revenues
	Change	Change	Change
Real Estate	Percentage	Percentage	Percentage
Operating revenues	12.0%	-%	12.0%
Impact of acquisitions and divestures	-%	-%	-%
Impact of foreign currency exchange rate changes	(3.7%)	<u>-%</u>	(3.7%)
Organic revenues	8.3%	<u>-%</u>	8.3%
	Total	Asset-Based Fees	Non-Asset-Based Fee Revenues
All Other	Change Percentage	Change Percentage	Change Percentage
Operating revenues	22.3%	—%	22.3%
Impact of acquisitions and divestures	—%	—%	—%
Impact of acquisitions and divestures  Impact of foreign currency exchange rate changes	(1.5%)	—%	(1.5%)
Organic revenues	20.8%	—%	20.8%





	Year Ended				
	Dec. 31,	Dec. 31,	Dec. 31,	Dec. 31,	Dec. 31,
In thousands	2014	2015	2016	2017(1)	2018
Index adjusted EBITDA	\$349,685	\$392,987	\$431,478	\$522,241	\$607,853
Analytics adjusted EBITDA	72,173	95,468	128,507	125,624	143,645
All Other adjusted EBITDA	(13,104)	(6,758)	9,472	11,892	20,935
Consolidated adjusted EBITDA	408,754	481,697	569,457	659,757	772,433
Amortization of intangible assets	45,877	46,910	47,033	44,547	54,189
Depreciation and amortization of property,					
equipment and leasehold improvements	25,711	30,889	34,320	35,440	31,346
Operating income	337,166	403,898	488,104	579,770	686,898
Other expense (income), net	28,828	54,344	102,166	112,871	57,002
Provision for income taxes	109,396	119,516	125,083	162,927	122,011
Income from continuing operations	198,942	230,038	260,855	303,972	507,885
Income (loss) from discontinued operations,					
net of income taxes	85,171	(6,390)	_	_	
Net income	\$284,113	\$223,648	\$260,855	\$303,972	\$507,885

<sup>&</sup>lt;sup>1</sup> As a result of the adoption of recent accounting guidance, the Company has restated its adjusted EBITDA by excluding \$0.6 million of non-service related pension costs from adjusted EBITDA expenses for the full-year ended Dec. 31, 2017.

# RECONCILIATION OF NET CASH PROVIDED BY OPERATING ACTIVITIES TO FREE CASH FLOW



		Full-Year				
	Dec. 31,	2019				
In thousands	2014	2015	2016	2017	2018	Outlook <sup>(2)</sup>
Net cash provided by operating activities <sup>(1)</sup>	\$308,508	\$321,247	\$442,363	\$404,158	\$612,762	\$600,000 - \$630,000
Capital expenditures	(42,659)	(40,652)	(32,284)	(33,177)	(30,257)	
Capitalized software development costs	(8,216)	(8,500)	(10,344)	(15,640)	(18,704)	
Capex	(50,875)	(49,152)	(42,628)	(48,817)	(48,961)	(55,000 - 45,000)
Free cash flow	\$257,633	\$272,095	\$399,735	\$355,341	\$563,801	\$545,000 - \$585,000

<sup>&</sup>lt;sup>1</sup> 2014 adjusted to include \$2.8 million of excess tax benefits that was reported as a component of cash flows from financing activities prior to the adoption of accounting guidance that required this to be reflected as a component of cash flows from operating activities.

<sup>2</sup> We have not provided a line-item reconciliation for free cash flow to net cash from operating activities for this future period because we do not provide guidance on the individual reconciling items between net cash from operating activities and free cash flow.

# RECONCILIATION OF NET INCOME AND DILUTED EPS TO ADJUSTED NET INCOME AND ADJUSTED EPS



		Year Ended					
	Dec. 31,	Dec. 31,	Dec. 31,	Dec. 31,	Dec. 31,		
In thousands, except per share data	2014	2015	2016	2017	2018		
Net income	\$284,113	\$223,648	\$260,855	\$303,972	\$507,885		
Less: Income (loss) from discontinued operations,							
net of income taxes	85,171	(6,390)	_	_	_		
Income from continuing operations	198,942	230,038	260,855	303,972	507,885		
Plus: Amortization of acquired intangible assets	45,877	46,910	47,033	39,157	43,981		
Plus: Debt repayment and refinancing expenses	7,944	_	_	_	_		
Less: Gain on sale of Alacra (not-tax effected)	_	(6,300)	_	(771)	_		
Less: Gain on sale of FEA (not-tax effected)	_		_		(10,646)		
Less: Gain on sale of InvestorForce	_	_	_	_	(46,595)		
Less: Valuation allowance released related to InvestorForce disposition	_	_	_	_	(7,758)		
Less: Tax Reform adjustments	_	_	_	34,500	(8,272)		
Less: Income tax effect	(19,096)	(16,039)	(15, 243)	(10,772)	1,678		
Adjusted net income	\$233,667	\$254,609	\$292,645	\$366,086	\$480,273		
Diluted EPS	\$2.43	\$2.03	\$2.70	\$3.31	\$5.66		
Less: Earnings per diluted common share from							
discontinued operations	0.73	(0.06)	_	_	_		
Earnings per diluted common share from							
continuing operations	\$1.70	\$2.09	\$2.70	\$3.31	\$5.66		
Plus: Amortization of acquired intangible assets	0.39	0.43	0.49	0.43	0.49		
Plus: Debt repayment and refinancing expenses	0.07	-	-	-	_		
Less: Gain on sale of Alacra (not-tax effected)	-	(0.06)	-	(0.01)	-		
Less: Gain on sale of FEA (not-tax effected)	_	-	-		(0.12)		
Less: Gain on sale of InvestorForce	_	_	-	-	(0.52)		
Less: Valuation allowance released related to InvestorForce disposition	-	-	-	-	(0.09)		
Plus: Tax Reform adjustments	_	-	-	0.38	(0.09)		
Less: Income tax effect	(0.16)	(0.14)	(0.16)	(0.13)	0.02		
Adjusted EPS	\$2.00	\$2.32	\$3.03	\$3.98	\$5.35		

# RECONCILIATION OF ADJUSTED EBITDA EXPENSES TO OPERATING EXPENSES



	Year Ended	Full-Year
	Dec. 31,	2019
In thousands	2018	Outlook <sup>(1)</sup>
Index adjusted EBITDA expenses	\$227,622	
Analytics adjusted EBITDA expenses	336,294	
All Other adjusted EBITDA expenses	97,635	
Consolidated adjusted EBITDA expenses	661,551	\$685,000 - \$705,000
Payroll taxes from vesting of Multi-Year PSUs	-	12,000 - 15,000
Amortization of intangible assets	54,189	
Depreciation and amortization of property,		75,000 - 80,000
equipment and leasehold improvements	31,346	
Total operating expenses	\$747,086	\$772,000 - \$800,000

<sup>&</sup>lt;sup>1</sup> We have not provided a line-item reconciliation for adjusted EBITDA expenses to total operating expenses for this future period because we do not provide guidance on the individual reconciling items between total operating expenses and adjusted EBITDA expenses.

# MSCI 🌐

## SPEAKER BIOGRAPHY | HENRY FERNANDEZ, CHAIRMAN & CEO



As MSCI's Chairman and Chief Executive Officer, Henry Fernandez has led the firm for over two decades to its position today as a premier provider of indexes and portfolio construction and risk management tools for institutional investors. MSCI has revenues of over \$1.3 billion and is listed on the New York Stock Exchange.

Headquartered in New York, and with 31 offices in 21 countries, MSCI is a central connecting point for the global investment industry. MSCI's clients are the world's largest investors, including pension funds, sovereign wealth funds, asset managers, mutual funds, ETF providers, hedge funds, and banks. The firm has pursued a successful growth strategy both organically and through the acquisition of market-leading brands such as Barra and RiskMetrics, and by developing an integrated set of industry standard offerings to meet the rapidly-changing needs of sophisticated global investors.

Before leading MSCI's transition to becoming a fully independent, standalone public company in 2009, he was a Managing Director at Morgan Stanley, where he worked in emerging markets product strategy, equity derivative sales and trading, mergers and acquisitions, worldwide corporate finance and mortgage finance for U.S. financial institutions. Mr. Fernandez worked for Morgan Stanley from 1983 to 1991 and from 1994 to 2009.

Mr. Fernandez also serves on the boards of directors/trustees of Stanford University, King Abdullah University of Science and Technology, Memorial Sloan-Kettering Cancer Center, the Foreign Policy Association, and Catholic Charities of the Archdiocese of New York. Mr. Fernandez is the former Chair of the Advisory Council of the Stanford University Graduate School of Business.

Mr. Fernandez holds a Bachelor of Arts in economics from Georgetown University, an M.B.A. from the Stanford University Graduate School of Business and pursued doctoral studies in economics at Princeton University.

## SPEAKER BIOGRAPHY | C.D. BAER PETTIT, PRESIDENT





Baer Pettit has served as MSCI's President since October 2017. As President, he oversees the Company's business functions, including client coverage, marketing, product management, research, technology and operations. He previously served as Chief Operating Officer from 2015 to 2017, Head of the Product Group from February 2015 to September 2015, Head of Index Products from 2011 to 2015, Head of Marketing from 2005 to 2012 and Head of Client Coverage from 2001 to 2012. Baer is an Executive Officer of the firm and a member of MSCI's Executive Committee.

Prior to MSCI, Baer spent eight years at Bloomberg, where he ran the company's business in France, Scandinavia and the UK and later became Deputy Head of Bloomberg's European sales organization. Baer started his career in the equity derivatives divisions of Barclays De Zoete Wedd and Morgan Stanley Asset Management.

He holds a Master degree in history from Trinity College, Cambridge University and graduated from the Georgetown University School of Foreign Service.

## SPEAKER BIOGRAPHY | KATHLEEN WINTERS, CFO





Kathleen Winters, as MSCI's Chief Financial Officer, is responsible for leading the Company's financial management and representing the Company to investors, lenders and rating agencies. Ms. Winters oversees the Company's Accounting and Controls, Reporting and Analysis, Investor Relations, Tax, Treasury and Business Development. She is an Executive Officer of the firm and a member of MSCI's Executive Committee.

Ms. Winters joined MSCI in 2016 from Honeywell International, where she most recently served as Vice President and Chief Financial Officer of the Performance Materials and Technologies division. Prior to this role, she held various positions including Vice President, Corporate Controller and Chief Accounting Officer, Vice President of Business Analysis and Planning, Chief Financial Officer of the Specialty Products business group and Assistant Corporate Controller.

In her 14 years with Honeywell, Ms. Winters played an important role in partnering with company leadership to drive business growth and profitability. She led transformational change in the company's global finance organization by establishing best-practice processes for strategic planning, forecasting and budget management. She also oversaw internal and external financial reporting, acquisition diligence and financial integration for numerous transactions.

Ms. Winters began her career at PwC, serving clients mainly in the entertainment and media industries. She earned a Bachelor of Science degree in Accounting from Boston College, is a CPA and a Six Sigma Certified Black Belt.

# SPEAKER BIOGRAPHY | LAURENT SEYER, COO & CHIEF CLIENT OFFICER





Laurent Seyer has served as MSCI's Chief Operating Officer since October 2017 and Chief Client Officer since 2016. As Chief Operating Officer and Chief Client Officer, Laurent manages the Company's sales, marketing, client relationship management and client service teams globally. He previously served as the Global Head of Client Coverage from 2014 to 2016. Laurent is an Executive Officer of the firm and a member of MSCI's Executive Committee.

Laurent joined MSCI in December 2014 from AXA Investment Managers LLC, where he served most recently as global head of the client group. Previously, he held a series of leadership posts with Société Générale throughout 24 years with the firm, including serving from 2006 to 2012 as CEO of Lyxor Asset Management.

Laurent holds a master's degree from Institut d'Etudes Politiques, Paris where he studied law and economics.

# SPEAKER BIOGRAPHY | JIGAR THAKKAR, CTO & HEAD OF ENGINEERING





Mr. Thakkar has served as Chief Technology Officer and Head of Engineering since July 2018. In this role, he is responsible for overseeing the Company's engineering technology services, development and data science operations.

Prior to joining MSCI, he served as Corporate Vice President at Microsoft from 2017 to 2018, leading software engineering for Microsoft Teams and Skype for Business. Prior to that, he served as a Partner Director of Engineering from 2012 to 2017. During his 19-year tenure at Microsoft, he built large-scale products and served in various leadership positions within the Office 365, Dynamics CRM, Bing, Windows and MSN divisions.

He holds an M.S. in electrical engineering from the University of Southern California and a B.S. in electronics engineering from the Maharaja Sayajirao University of Baroda in India.

# SPEAKER BIOGRAPHY | PETER ZANGARI, GLOBAL HEAD OF RESEARCH & PRODUCT DEVELOPMENT





Peter Zangari, Managing Director, Global Head of Research and Product Development, sets the Firm's research agenda and drives integration of research into MSCI's products and services to deliver innovative solutions to investment problems. He is a member of the Executive Committee.

Prior to this, Peter served as Head of Analytics at MSCI, responsible for its equity and multi-asset class risk and portfolio management products, and was Head of Equity Portfolio Management Analytics before that. Prior to joining MSCI, Peter held progressively senior-level positions at Goldman Sachs, most recently as the Head of Risk and a member of the leadership team for the Quantitative Investment Strategies ("QIS") business of Goldman Sachs Asset Management ("GSAM"). Prior to joining QIS, Peter was responsible for building out and managing GSAM's proprietary equity risk and attribution platform.

Peter began his career at JP Morgan in the RiskMetrics and Firmwide Risk groups, where he conducted extensive research in the areas of market and credit risk. He is one of the original members of RiskMetrics and his work in this area has been widely published.

Peter has a Bachelor of Arts degree in economics from Fordham University and a PhD in economics, with a specialization in applied econometrics and computational statistics, from Rutgers University.

# SPEAKER BIOGRAPHY | DIANA TIDD, GLOBAL HEAD OF INDEX & CHIEF RESPONSIBILITY OFFICER





Diana Tidd, as Global Head of Index, is responsible for all aspects of product management and business strategy for the MSCI indexes. Diana is a member of MSCI's Executive Committee. Diana joined MSCI in 1999. During her tenure, Diana has served in a variety of roles, including Head of Americas Client Coverage for six years. More recently, she was appointed MSCI's Chief Responsibility Officer, a relatively new position where Diana will coordinate MSCI's Environmental, Social and Governance (ESG) strategy and activities. Diana also chairs MSCI's ESG Committee, MSCI's Index Risk and Regulatory Committee and is an advisor on the Executive Diversity Council at MSCI (which was launched in 2018). She was previously on the company's 401K Committee and co-founded the Women's Leadership Forum at MSCI (which was founded in 2013).

Prior to MSCI, Diana worked at Brown Brothers Harriman & Co., for five years where she had roles in the Risk and European teams, before becoming Head of the Asia Team, in BBH's global custody division. Diana started her career in the Trust and Estates division of the Private Bank at Bankers Trust Co.

Mrs. Tidd serves on the Board of Directors of West Africa Village Education (WAVE). She has previously served as Co-President of Women in ETFs (WE) for 2017 and 2018 and as a WE Global Governance Committee Board Member. In 2016, Diana was named by Money Management Executive as one of the Top Women in Asset Management.

Diana graduated with a BA in Political Science from Colgate University and received a master's Degree in Latin American Studies from Stanford University.

## SPEAKER BIOGRAPHY | JORGE MINA, HEAD OF ANALYTICS





As Head of Analytics, Jorge Mina is responsible for MSCI's equity and multi-asset class risk and portfolio management products. He is a member of the firm's Executive Committee. Prior to his current role, he had served as Head of Analytics for the Americas since 2015. Jorge joined MSCI in 2010 following MSCI's acquisition of RiskMetrics and served as a managing director of Risk Management Analytics from 2010 to 2015.

Prior to joining MSCI, Jorge was a founding member at RiskMetrics Group where he served in a variety of roles, including co-head of the RiskMetrics Business and Head of Research.

Jorge holds a Bachelor of Arts degree in actuarial sciences from the Instituto Tecnológico Autónomo de México and a Master's in financial mathematics from the University of Chicago.

# MSCI 🌐

## SPEAKER BIOGRAPHY | JAY MCNAMARA, HEAD OF REAL ESTATE



As Managing Director and Head of Real Estate, Jay McNamara is responsible for all aspects of product management and business strategy for the MSCI Real Estate product line and is a member of MSCI's Executive Committee.

Since joining MSCI in 2002 and before taking on his current role in 2017, Jay has held various senior leadership positions including serving as Head of Americas Client Coverage, Global Senior Account Manager, and Global Head of Asset Owner & Investment Consultant Coverage.

Prior to MSCI, Jay held a series of sales and relationship management roles at Brown Brothers Harriman & Co. in Boston, Hong Kong SAR and New York.

Jay holds a Bachelor of Arts, majoring in Economics and Political Science, from the College of the Holy Cross in Worcester, Massachusetts.

Jay serves as Chairman of the Explore Schools' Board of Trustees, a network of high-performing public charter schools in Central Brooklyn.

## SPEAKER BIOGRAPHY | REMY BRIAND, HEAD OF ESG





Remy Briand is responsible for MSCI's ESG (environmental, social and governance) ratings products. He is a member of the firm's Executive Committee.

Remy Briand has been leading MSCI ESG Research since its creation in 2010. Remy also served until February 2017 as global head of research for MSCI where he led a team of 150 researchers designing indexes, analytics and risk models for institutional investors. As head of index research for 10 years, he managed the expansion of the MSCI Global Indexes to cover 80 developed, emerging and frontier markets. He also initiated and led the development of MSCI's market leading factor indexes.

Mr. Briand joined MSCI in 2001 from Credit Lyonnais Asset Management, where he was equity portfolio manager and head of research. He began his career as a private equity analyst at Credit Lyonnais.

Over his 27-year career as an investor, researcher and business leader, Remy has gained unique insights on topics such as global investing, emerging markets, sustainable investment and financial innovation. He regularly shares his views at industry conferences and with financial news media.

Remy holds an MSc in Computer Sciences from INSA (Lyon) and an MBA from HEC (Paris).