7th Meeting of the Asia-Pacific Foreign Direct Investment (FDI) Network
United Nations Conference Centre
Bangkok, Thailand
2-3 November 2017

The Future Arrives Today

invacio

Invacio brings together the world's largest repository of organized data with the most advanced AI technology. Invacio is committed to a socially conscious approach, realizing that this new technology not only comes with immense benefits, but also with potential hazards.

What do I want to accomplish today?

- Give you a little overview of A.I. and Invacio

- Start a process of thinking about the adoption of A.I. on a global level in an astoundingly short period of time.

- Let you know that we are accepting investment and would like to take a little money from (and open an office and share a little technology with) many countries, rather than take 10's of millions from a major player.

- Engage the room and their countries in an on-going ethics discussion that we can use to help develop a sound policy to protect and empower "the little guy" across the world.

The Magic of A.I.

- Artificial intelligence is far too large and complex a subject to cover in my 15 minutes here

- I'll stick with giving an overview and explain how it can be important for ASEAN markets and investment

- Almost everything I will discuss is new technology that is less than 6 months old, much of it since July 2017

- This is the magic of A.I.

WHAT IS *INVACIO* ARTIFICIAL INTELLIGENCE?

- Invacio's "Jean" is a state of the art, multi-faceted Artificial Intelligence system that can work as a stand-alone "market specific" module, or as a bigger network of more than 30 individual modules, working together to create one of the most sophisticated Artificial Intelligence platforms on Earth*.

- This ability to scale to the required size and deploy a specific module to serve the network and segment in question is unique in the technology world.

Jean

Some API examples

Invacio's JEAN applies machine learning and advanced processing power to extract valuable information from the storehouse of data, to then derive new data as well as actionable intelligence in virtually any field.

Disaster Recovery
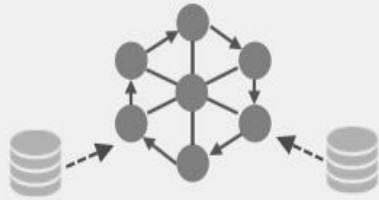Multiple Systems in Unison

Financial
Wealth Creation

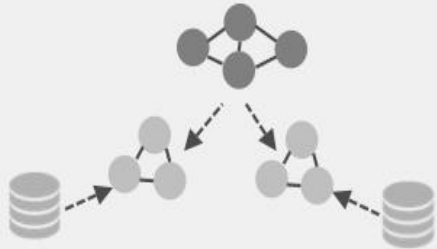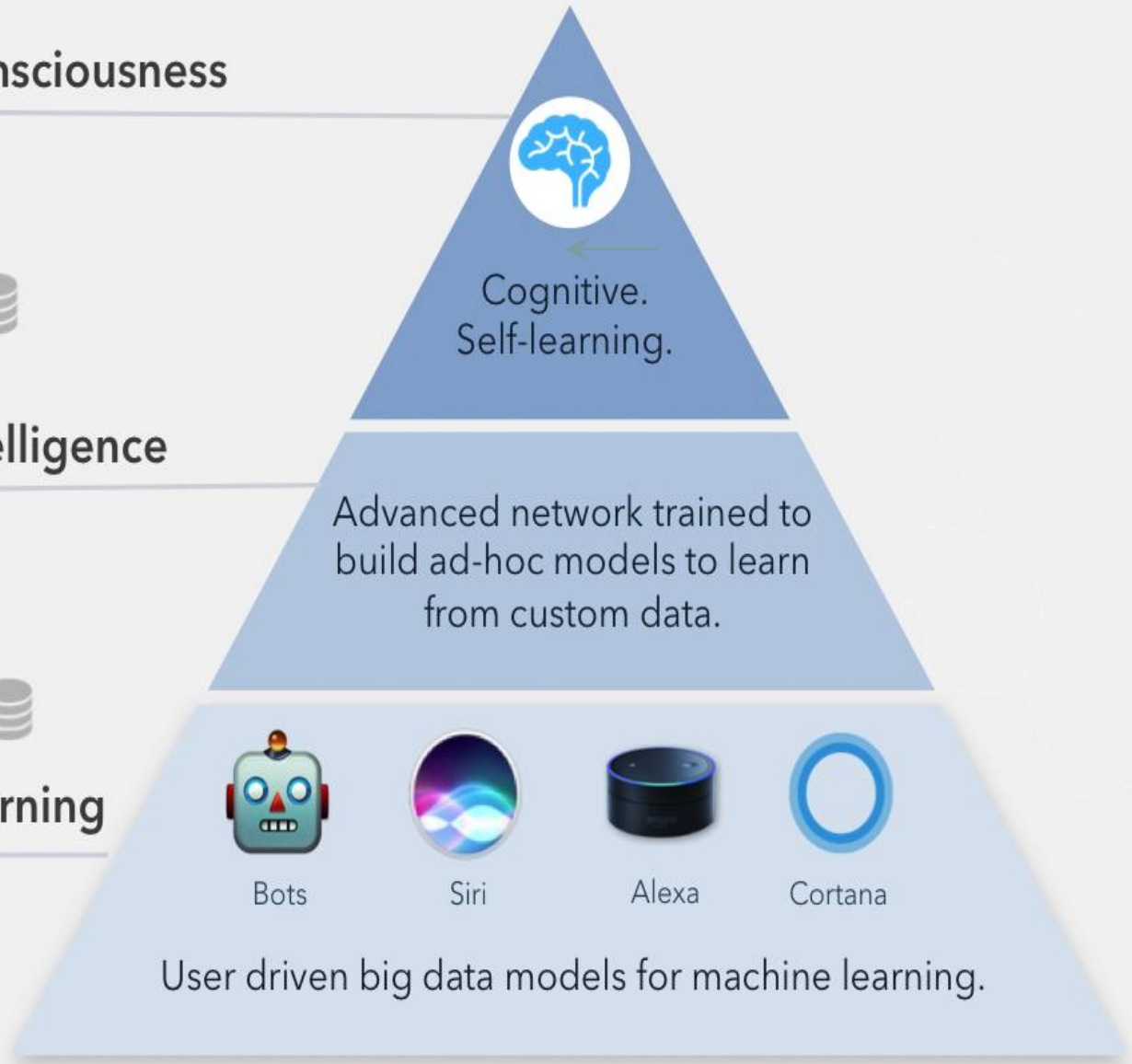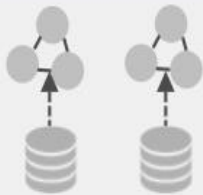## Business Intelligence
Knowledge is power

Empowerment
AI for All

Three Stages of AI

Three Stages of AI

Three Stages of AI

Financial Markets | Ticker based Analyses and Predictions 70-95% accuracy

Data | Collection / Analysis Raw and Fed. Billions of data sets live and updating

Consumer | Real Consumer based interest analysis and honest information on products or services.

Matrix/Network Real World Use coupling of all systems network enshrined in freedom of expression

Jean
(Invacio AI)
Segments

Intelligence | Real intelligence of underlying movements of corporations

Security | AI Driven on-live threat and security analysis

Invmail | Secure Zero Knowledge Communications systems for Military, Gov, Think Tanks, Finance and other

API | Where Jean can be hooked into for 3rd party corporations to utilise elements of her system.
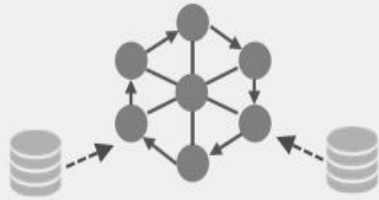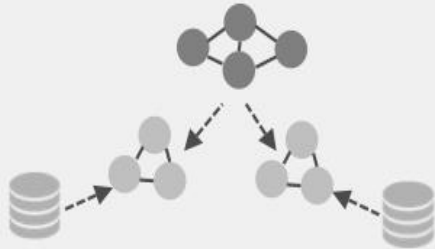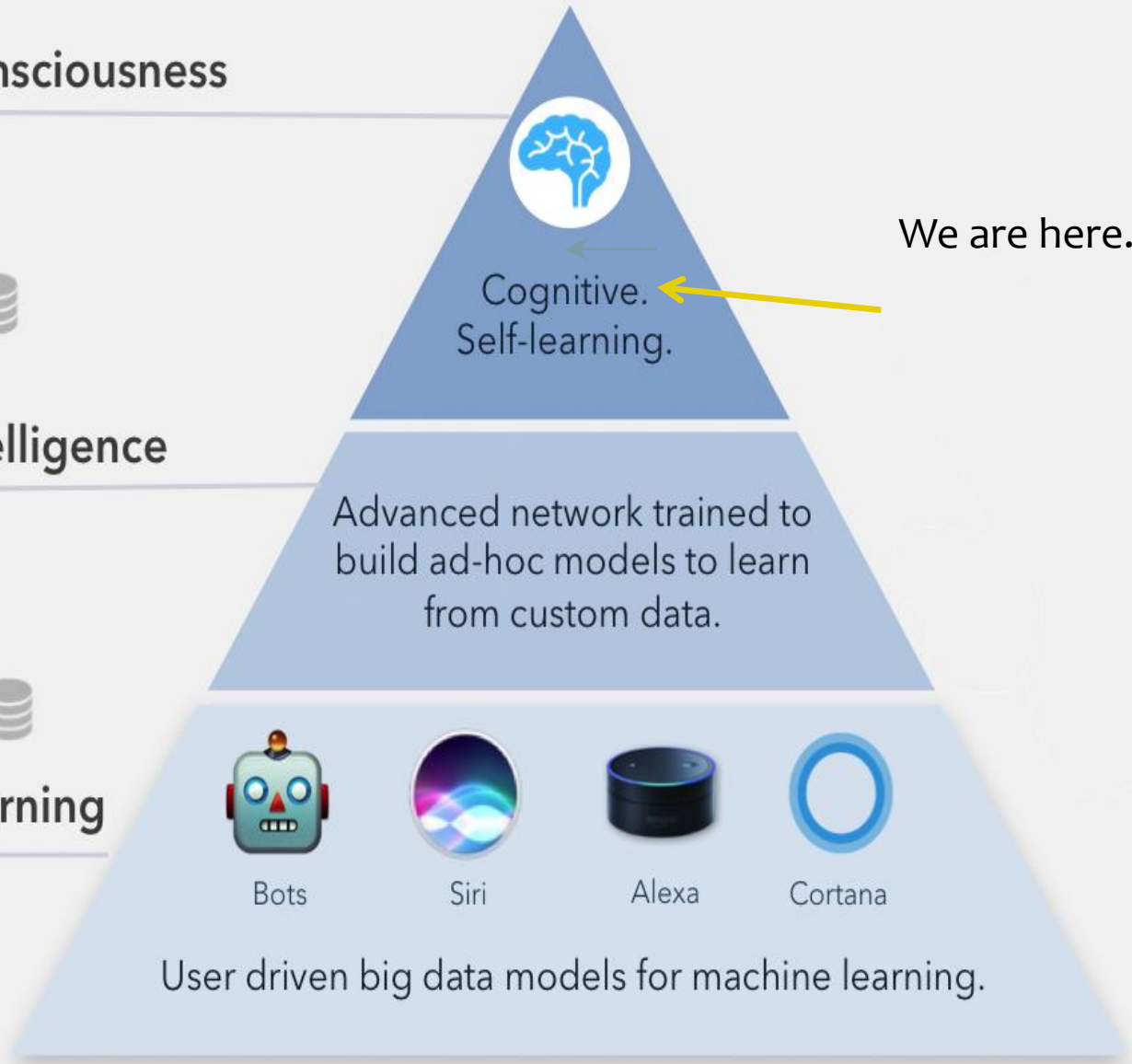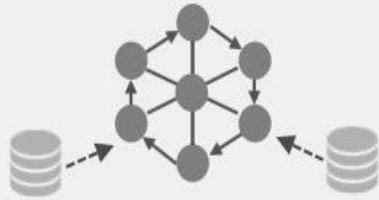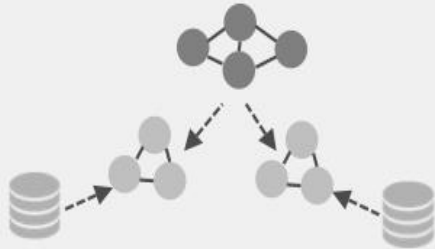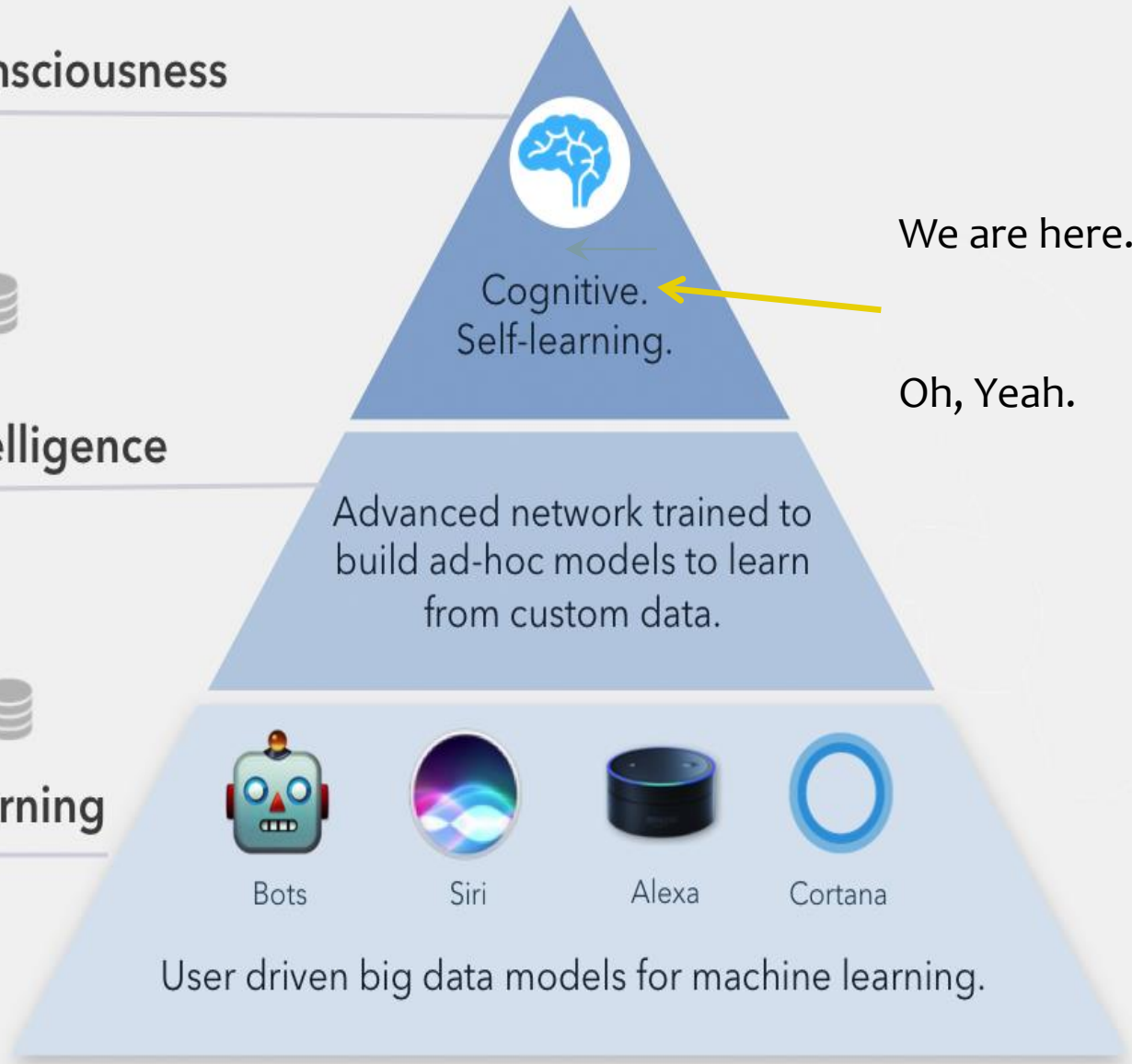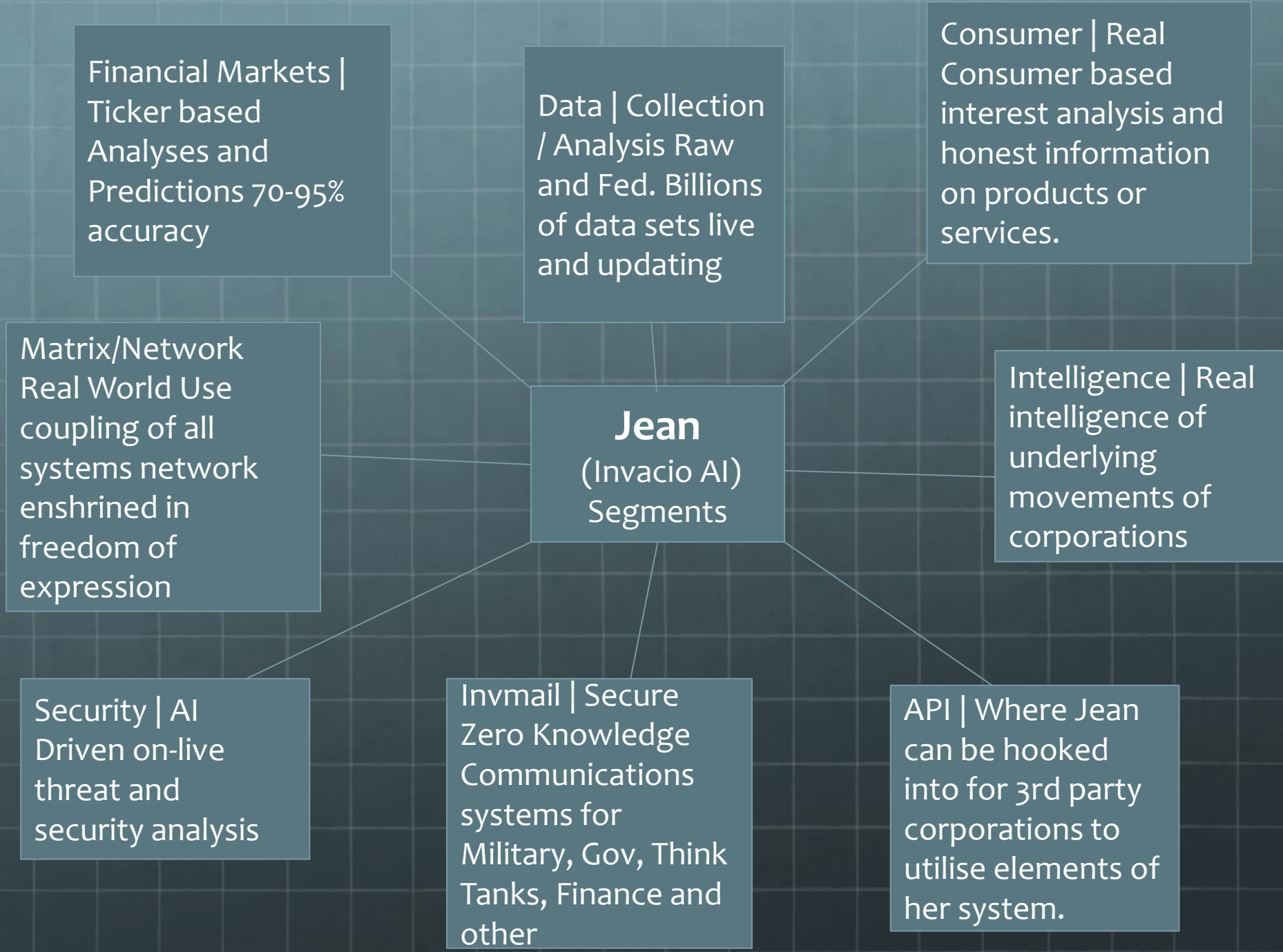
What people are saying when they say it:

200B tweets
Every year, all seen by Jean

1.2B Active users
Whose interactions and comments Jean reads

300 hours
Of video added every minute, and Jean watches them

Suppliers

Nasa,European Space Agency,South African Futures Exchange,Federal Reserve Bank of New York,World Aluminium,Ministry of Finance Japan,Chinese Stock Prices,US Federal Reserve Data Releases,Russian Federation Statistics Service,Estimated Long-Term Mutual Fund Flows,Luxembourg Stock Exchange,Bombay Stock Exchange,World Bank GEP Economic Prospects,Paris School of Economics,Federal Reserve Bank of Cleveland,NAAIM Exposure Index,Money Market Fund Assets,Federal Aviation Administration,Statistics Bureau of Japan,European Energy Exchange,Federal Reserve Bank of Kansas City,Government of India Department of Commerce,Global Dairy Trade,National UFO Reporting Center,United States Courts,Australian Office of Financial Management,World Health Organization (TB),Bank of England Official Statistics,Bank of France,International Organization of Motor Vehicle Manufacturers,Bursa Malaysia,MoneyTree Report,Internal Revenue Service,Beta Arbitrage,University of Michigan,Perth Mint,Professor Jay Ritter,ONE,Angus Maddison,Public Sector Credit Solutions,BTER,Geo3 Data Compendium,North American Transportation Statistics,British Petroleum,Center for Systemic Peace,International Telecommunication Union,Uniform Crime Reporting Statistics,Railroad Traffic,Johnston's Archive,U.S. Patent and Trademark Office,NASDAQ 100 One Minute Bars,Reporters Without Borders,Dow Jones Utilities Average One Minute Bars,World Bank Quarterly External Debt Statistics (QEDS) - Special Data Dissemination Standard (SDDS),EventVestor Corporate Buybacks,Treasury Direct,Merrill Lynch,Trends in Mutual Fund Investing,Google Org,BNC Liquid Index,Buchwald Exchange,National Stock Exchange of India,Swiss National Bank,Ken French,Foreign Exchange Rates,Yale Department of Economics,Deutsche Bundesbank Data Repository,US Geological Survey,NYSE,Rail Inflation,US Department of Energy,FAO,Organization for Economic Co-operation and Development,Bitfinex,Local Bitcoins,World Bank Public Sector Debt,Global Stats StatCounter,Science Magazine,American Association of Individual Investors,Chesapeake Labs,CocoWatch,Unicorn Research Corporation,United Nations Greenhouse Gas Inventory,United Nations National Accounts Official Country Data,Dubai Mercantile Exchange,Thomas Brinkhoff: City Populations,Bank of Canada Statistical Database,Mercado Espanol de Futuros Financieros,UK Office for Budget Responsibility,United Nations Information and Communication Technology,U.S. Energy Information Administration Data,MeasuringWorth,Baker Hughes Investor Relations,Top Flight Grain Co-operative,Blockchain,United Nations International Financial Statistics,National Transportation Safety Board,Central Bank of Argentina,U.S. Office of Management and Budget,Center for Applied Studies on Applied Economics (Brazil),EUREX Futures Data,Lloyd's List,Malta Stock Exchange,Core China Fundamentals Data,Rogers International Commodity Indices,Tokyo Stock Exchange,World Bank Gender Statistics,Barchart Euronext.LIFFE Commodities Futures,Bank of Russia,United Nations Commodity Trade,Montreal Exchange,Global Yield Curves,Who Unicef Joint Monitoring Program,World Bank Worldwide Governance Indicators,Wiki Continuous Futures,Tokyo Commodities Exchange,Brazilian Institute of Geography and Statistics,United Nations World Tourism,Stoxx,US Trade Representative,Boerse Stuttgart,Central Bank of Egypt,BNC Digital Currency Indexed EOD,Frankfurt Stock Exchange,World Bank Global Findex (Global Financial Inclusion database),ADP Research Institute,Global Footprint Network,American Chemistry Council,National Australia Bank,Penn World Table,International Comparison Program 2011,Indian Equities Adjusted End of Day Prices,University of Missouri Kansas City,Organization of the Petroleum Exporting Countries,Federal Reserve Bank of Philadelphia,YFinance,Core US Fundamentals Data,End of Day US Stock Prices,ClosingBell Active Analyst Ratings,PortfolioEffect Volatility and Risk Factors,PortfolioEffect Risk and Performance Metrics,Commodity Futures Trading Commission Reports,Chinese Earnings Forecasts,Chinese Stock Index Prices,ORATS Option Volatility Surfaces,Equity Fundamentals B (200 Indicators),Street Earnings Surprises,Consensus Earnings Estimates,Consensus Earnings Surprises,Sales Surprises,Consensus Earnings Estimates Trends,Zacks Street Earnings Estimates,Zacks Fundamentals A (70 Indicators),Sales Estimates History,Barchart Global Index Prices,Wiki EOD Stock Prices,National Securities Depository Limited (India),RealVol Indices,Canadian Mortgage and Housing Corporation,Dividend Announcement and History,Zacks Equity Prices,Dubai Gold & Commodities Exchange,Bank of Japan,U.S. Agency for International Development,Federal Reserve Economic Data,Google Finance,Stock Exchange of Mauritius,Warsaw Stock Exchange,Nikkei,Lima Stock Exchange (Peru),World Bank Doing Business,National Bureau of Statistics of China,Zhengzhou Commodities Exchange,Financial Industry Regulatory Authority,Asian Development Bank,LIFFE Futures Data,China Financial Futures Exchange,Minneapolis Grain Exchange,Singapore Exchange,National Association of Realtors,Economic Cycle Research Institute,The Economist - Big Mac Index,Zillow Real Estate Research,National Center for Education Statistics,Policy Uncertainty Project,Osaka Dojima Commodity Exchange,Osaka Securities Exchange,Shanghai Futures Exchange,Stock Exchange of Thailand,The Kauffman Foundation,World Federation of Exchanges,Australian Securities Exchange,Liv-Ex,US Equity Short Interest,United Nations Labour Market Indicators,European Network of Transmission System Operators For Electricity,World Bank Africa Development Indicators,GDAX (Global Digital Asset Exchange),Exchange-Traded Fund Assets and Share Issuance,Reserve Bank of New Zealand,Freddie Mac,United Nations National Accounts Estimates,US Treasury,Bitstamp,Statistics Netherlands,European Central Bank,DolarToday,World Bank Enterprise Surveys,World Bank World Development Indicators,Euronext Stock Exchange,World Bank Global Economic Monitor,State of Working America,World Bank Health Nutrition and Population Statistics,Tokyo Financial Exchange,Trading Economics,World Bank Global Social Protection,World Bank Quarterly External Debt Statistics (QEDS) - General Data Dissemination System (GDDS),Central Bank of the Republic of Turkey,Dow Jones Transportation Average One Minute Bars,Bank for International Settlements,Quito Stock Exchange (Ecuador),Ljubljana Stock Exchange (Slovenia),European Commission Business and Consumer Surveys,World Bank Global Financial Development,Australian Bureau of Statistics,National Institute of Statistics and Economic Studies (France),World Bank Exporter Dynamics Database,Dow Jones Industrial Average One Minute Bars,Puerto Rico Institute of Statistics,Zagreb Stock Exchange,National Bureau of Economic Research,NYSE Factbook,National Gang Center,Gallup,Asia Bond Market Initiative,London Platinum & Palladium Market,Australia and New Zealand Banking Group,LIS Cross-National Data Center,National Mining Association,Johnson Matthey,Labour Bureau Government of India,United Nations Energy Statistics,Intercontinental Exchange Futures Data,Solar Influences Data Analysis Center,London Stock Exchange,European Commission Annual Macro-Economic Database,Dalian Commodities Exchange,US Department of Homeland Security,Canadian Real Estate Association,NASDAQ OMX Global Index Data,Alpha One Sentiment Data,NYSE MKT (AMEX) Prices,Singapore Exchange Prices,OTC Markets Group Prices,OptionWorks Futures Options,Global Petroleum Prices,Long Term Growth Estimates History,New York Stock Exchange Prices,Bombay Stock Exchange Prices,NASDAQ Stock Market Prices,Hong Kong Stock Exchange Prices,Toronto Stock Exchange Prices,National Stock Exchange of India Prices,London Stock Exchange Prices,Japan Exchange Group Prices,Shanghai Stock Exchange Prices,Shenzhen Stock Exchange Prices,Toronto Ventures Stock Exchange Prices,OTC Bulletin Board Prices,National Stock Exchange,Warsaw Stock Exchange (GPW),Ukrainian Exchange,Reference Futures,US Option Analytics,Free US Fundamentals Data,Analyst Ratings History,Analyst Ratings and Target Prices,Earnings Announcements,Sales Estimates,Wu-Xia Shadow Federal Funds Rate,Environment Canada,US Treasury - Financial Management Service,Mortgage-X,University of Hawaii,WIKI Commodity Prices,Association of Mutual Funds in India,BATS U.S. Stock Exchanges,Central European Gas Hub,Continuous Futures,Polish Power Exchange (TGE),Korea Exchange,CLS FX Volume Data (Monthly),Jorda -Schularick-Taylor Macrohistory Database,Bank of Mexico,Monetary Authority of Singapore,Quantcha Risk Metrics,Target Price History,BarclayHedge,Renaissance Capital,FinSentS Web News Sentiment,BLS Employment & Unemployment,BLS International,BLS Inflation & Prices,BLS Productivity,BLS Pay & Benefits,Production Estimates for E&P Companies,CLS FX Volume Data (Daily),CLS FX Volume Data (Hourly),Applied Quantitative Research,IMF Cross Country Macroeconomic Statistics,Consensus Earnings Estimates History,Robur Global Select Stock Fundamentals,Core US Institutional Investors Data,Core US Insiders Data,EUROSTAT,World Health Organization,World Trade Organization,International Labour Organization,People's Bank of China,Statistics Canada,Ministry of Statistics India,National Statistics Institute of Spain,Archival Federal Reserve Economic Data,Bureau of Labor Statistics Key Indicators,World Bank Cross Country Data,United Nations Statistics Division Data,United Nations OLD,US Department of Energy,Bank of Israel,Norges Bank,Securities and Exchange Commission Filings,Bureau of Transportation Statistics (Multimodal),US Gov Data,Statistics Norway,Carbon Dioxide Information Analysis Center,Economic indicators for the Middle East & North Africa,Bureau of Justice Statistics,Statistics Indonesia,Portugal Contemporary Database (Pordata),Air Quality Ontario,National Bureau of Statistics China,Government of Ontario,Chinese Ministry of Human Resources and Social Security,Ontario Ministry of Tourism, Culture & Sport,British Columbia Ministry of Environment,Open Financial Data Project,PsychSignal Social Media Sentiment Data (Old),PS1-PsychSignal-Social-Media-Sentiment-Data,NASDAQ,Wiki Exchange Rates,NYSE Euronext,Swiss Exchange,Gary Lasker,S&P Dow Jones Indices,Bitcoin Charts,University of Stavanger,Wren,Philippines stock indexes,Gapminder,Pacific Institute,Economics Web Institute,Economic Policy Institute,Demographia,Zillow Real Estate Research,Guardian Datablog,Kickstarter,Hockey Reference,Basketball Reference,Statistic Brain,Pro Football Reference,National Fire Protection Association,Newspaper Association of America,Florida Museum of Natural History,The Public Purpose,Moody's,Box Office Mojo,IFAD (International Fund for Agricultural Development),US Federal Communications Commission,Federal Housing Finance Agency,Citizenship and Immigration Canada,Australia Chamber of Commerce and Industry,Health Canada,Governmeny of India Department of Commerce,Canadian Council on Social Development,Puerto Rico Institute of Statistics,UCN MED Centre for Mediterranean Cooperation,LEGCO Legislative Council of the Hong Kong Special Administrative Region,International Swaps and Derivatives Association,OSFINT,Drexel University,AgEcon Search,Firearm Stats AUSTAC,Center for the Study of Finance and Insurance,Dope Stats,Economic History,US Disaster Center,State Street Corporation,Los Angeles County Economic Development Corporation,Internet World Stats,Westpac Bank,Baseball-Reference,BLS List of the Day,Mongabay,Rasmussen Reports,Inhouse Appraisal,Auto Sales,National Commodity & Derivatives Exchange Limited (India),Commodities Supplies Government Numbers,Pakistan Stock Exchange,Auto Sales Data,ICE Data Services US Treasury Bond Evaluations,ORATS Smoothed Market Values System,Thomas Piketty,Foreign Exchange Volume Daily,EOD Stock Prices, Dividends & Splits Ticker Wise,JCB JCO,Countries & Relevant Data,EIA,FAO Stats,Finance,HDI,HISZ RSOE,Invacio,NDBC,Satellite Feed,UCDP,WikiLeaks,Wikipedia,World Leaders,Worldbank,Dark New,Invacio Derived Data,Entire Internet…

The Entire World is Data.

Social Media
People Data

Political
Country Data

Communications
Always Secure

Logistics
Shipping &
Transportation

Financials
Real-time and Accurate

Satellites
The World Visualized

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Shipping &
Transportation

Financials
Real-time and Accurate

Satellites
The World Visualized

...and Invacio has it.

(Insert Evil laugh here...)

California Wild Fire

A Study in Disaster Response Potential

- Jean was aware within 1 second of the first tweet

- Analyzing all recorded data on weather, wind, soil moisture content for that date, and then compared to this year's data

- Analyzing satellite photos to understand impact.

- Analyzing probable outcome and acreage destroyed based on all recorded history of wildfires in the region, wildfires in mountainous areas globally, fires in wine producing regions, etc.

- This analysis was done within the 2nd second after the first tweets

- Jean could provide data on resources and coordinate logistics and operations

(A few) APIs FOR INVACIO

- FINTECH

- SATELLITES PICS/IMAGERY- MILITARY-CROPS-MINING-EXPLORATION-RIPARIAN CHANGES

- UN/ HUMAN BENEFIT/REFUGEE / POPULATION MOVEMENT TRACKER

- BULK DATA ACCESS for CLIENTS

- WEATHER

- FOOD SAFETY PREDICTIONS

- LANGUAGE AND TRANSLATIONS

- SENTIMENT ANALYSIS

- NATURAL AND RENEWABLE RESOURCE MANAGEMENT

The Talent Gap

- There aren't nearly enough people who understand AI in the workforce right now.

- This could be a brilliant opportunity for ASEAN countries to help fill that gap with more than their fair share of people.

- Tech hubs/clusters like Chiang Mai and Phuket attract foreigners- make it easy for them to put their company there.

DO IT QUICKLY-
Do it NOW

- Use whatever means necessary to put some plans in place to attract talent to be in the position to receive and properly use technology

- Streamline processes for foreign tech experts

- Issue long term/no work permit visas like Thailand "Smart Visa"

- Ensure infrastructure is in place to adapt to a growing tech community.

AI WEALTH MANAGEMENT

- THE HOLY GRAIL OF WEALTH MANAGEMENT

- WHY IT SHOULD BE USED TO BENEFIT ALL- (we know it should, but the hard part is "how").

- A comprehensive "piggy-back" investment strategy that allows small investors to leverage Invacio profits to earn more more money on their investments

INVESTING

- HOW TO INVEST?

- AI AS A TOOL?

- INDIRECT… USE AI TO GROW ASIAN WEALTH FOR STAKEHOLDERS ACROSS THE REGION

- AI AS AN INVESTMENT?

- DIRECTLY USE FUNDS TO INVEST IN ARTIFICIAL INTELLIGENCE COMPANIES BASED IN ASEAN, AND FOSTER BOTH GROWTH AND REGIONAL DOMINANCE IN A NEW AND POWERFUL FIELD

WE CAN EVEN THE PLAYING FIELD for FDI

- Countries can access large "data packages" from Invacio to resell or give to attract FDI

- Access to the tech for a small percentage of the fee

- Countries can use data to manage their OWN Investments.

- Any size country can access our technology.

ETHICS

Often, ethics are left to fend for themselves when the frenzy to profit from a new technology arises.
It's crucial that *we* pay attention to the ethics where we can, each step along the way of a disruptive tech, like A.I.

And I'm not talking about : "don't hack the traffic computer and make all the lights green."

I'm talking about KNOWING and UNDERSTANDING that the change that is coming is a tsunami... and moving as many people to high ground as possible before it arrives.

One challenge of A.I.

- A.I. Can see the world without the fog of Political Correctness.

- Jean doesn't have an agenda.

- ARE WE READY FOR THAT?

How can Invacio help make the world better?

Thank you