

UPGRADE IN BELGRADE 2015

CSDs OPPORTUNITIES AND CHALLENGES

Henri Bergstrom

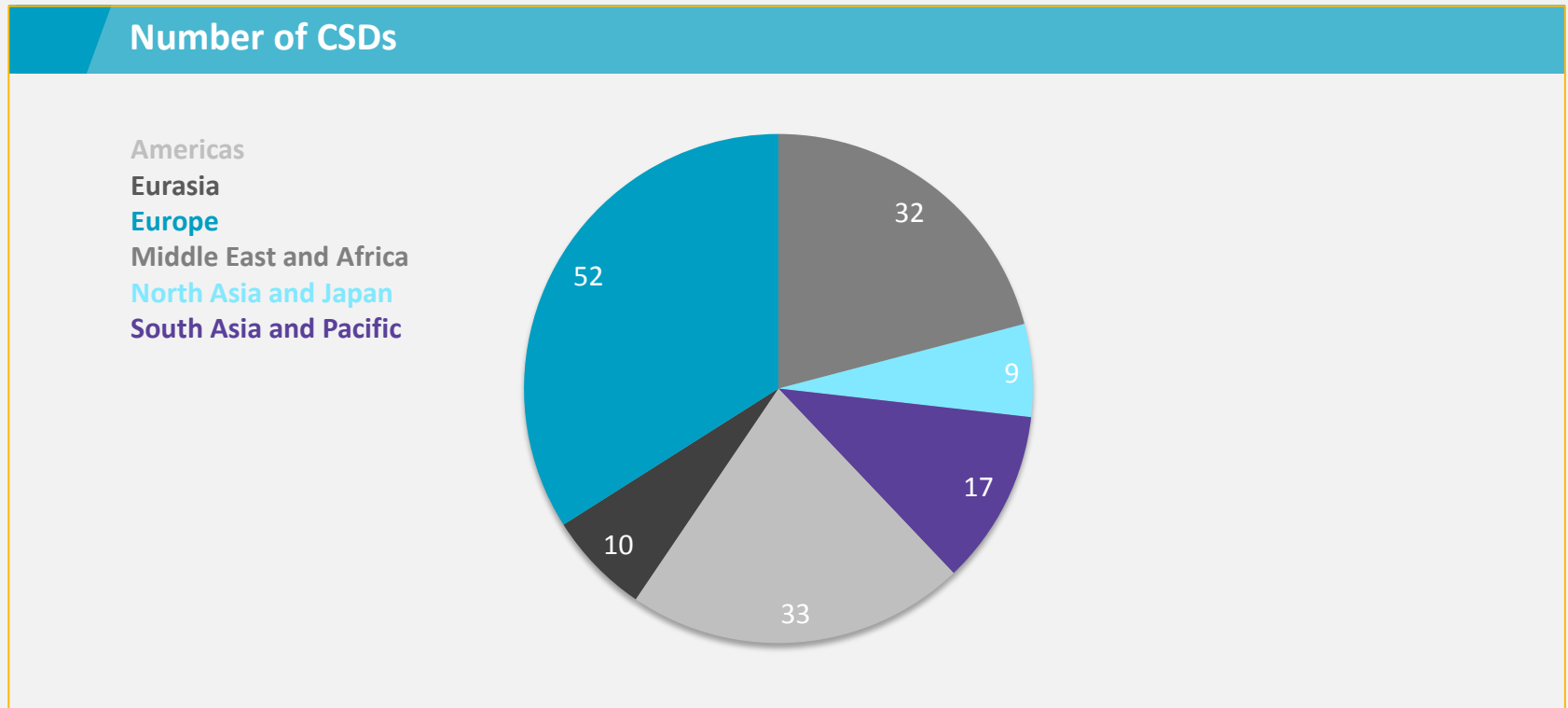
November 23, 2015



AGENDA

- CSDs OF THE WORLD
- WIDE AND EXPANDING SERVICE OFFERING
- PERFECT STORM WITH CASUALTIES
- TECHNOLOGY IMPLICATIONS AND INNOVATIONS
- NASDAQ AND POST TRADE

CSDs OF THE WORLD



There are some 200 CSDs globally of which we've been able to identify more than 150 of them.

More than 100 of these are still using old legacy systems.

WIDE AND EXPANDING RANGE OF SERVICES

Savings notes **Settlement** *Registry*
Banking Custody Tax Reimbursement
Risk Management **Corporate Actions**
Asset servicing “trading” Insider Registers
Options schemes *Investor Relation*
Electronic GM **AGM Live Streaming**
Collateral Fund Management
Flat ownership shares Pension system

PERFECT STORM OF REGULATIONS MAY HAVE CASUALTIES

- Compliance obligation, even re-licensing
- Sizeable investments without direct ROI
- Profitability is challenged, pressure on operational costs
- Re-position the role and services of a CSD
- Innovation of new services and technologies

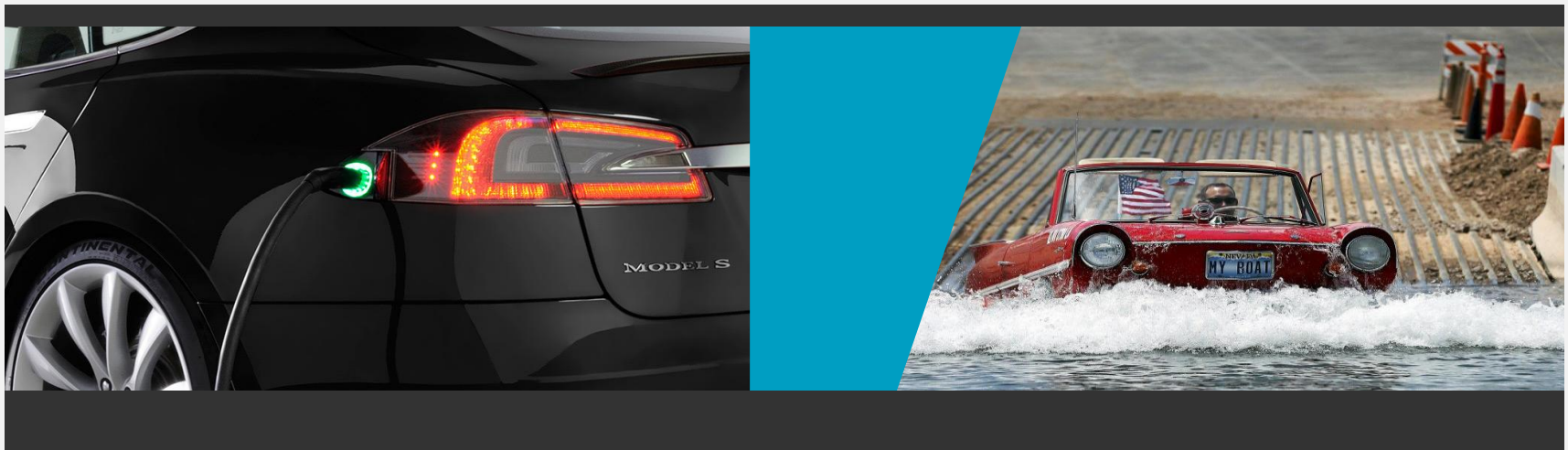
REGIONAL ALLIANCES

CPMI-IOSCO *EMIR/Dodd-Frank*
JWG's *CSD R* *(T2S)* ISO
FATCA/OFAC *UCITS* *G20* **ESCB-CESR**



TECHNOLOGY IMPLICATIONS AND INNOVATIONS

- Drive for low total cost of ownership
- Technological, functional and operational agility
- STP, operational costs
- Insourcing / outsourcing / offshoring / vendoring
- ***Blockchain technology!***



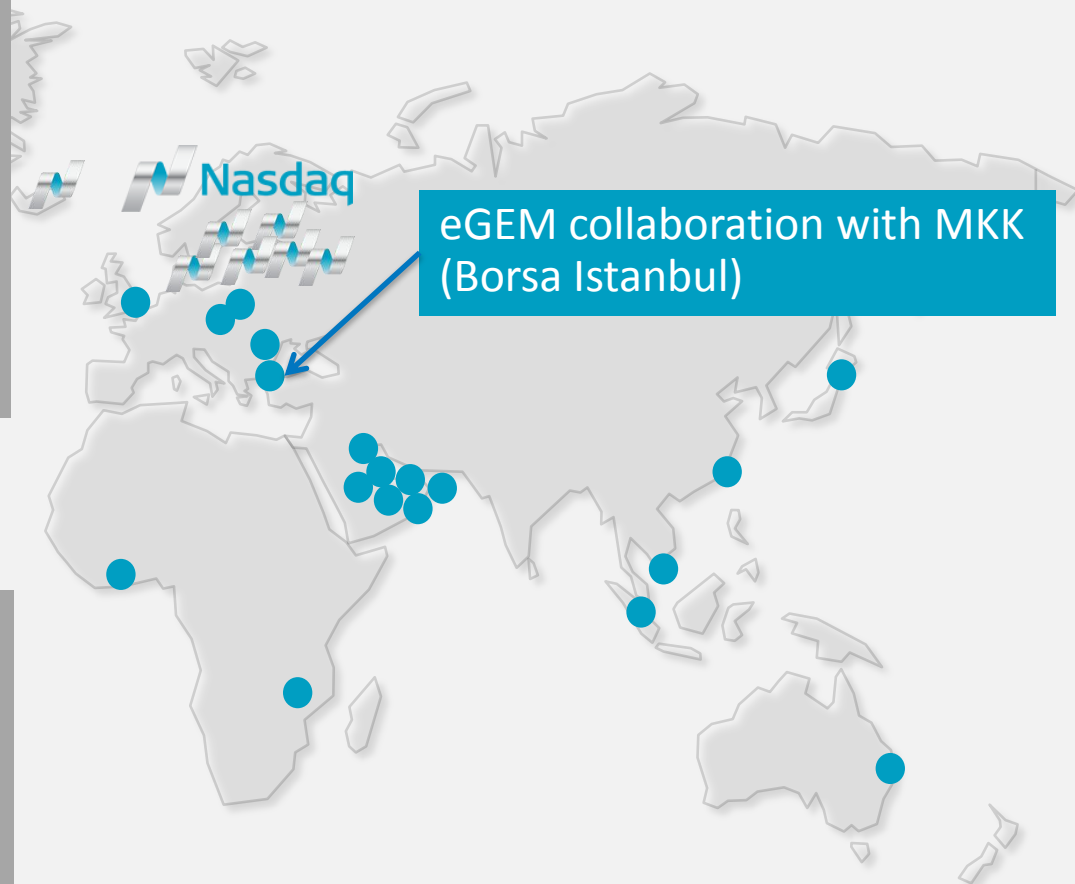
NASDAQ OPERATES ITS OWN CCPS AND CSDS AND PROVIDES TECHNOLOGY TO FMIS AROUND THE WORLD.

Asset class supported

- Cash instruments
 - Fixed income
 - Equities and alike
 - Repo, SLB
- Derivatives on
 - Cash instruments
 - Commodity (electricity, emission, other)
 - OTC

Compliant to known policies and standards such as

- CPMI/IOSCO
- EMIR
- CSD R (with T2S functionalities)
- ISO
- CAJWG, GMJWG



NASDAQ OPERATES ITS OWN CCPS AND CSDS AND PROVIDES TECHNOLOGY TO FMIS AROUND THE WORLD.

Post trade customers

Nasdaq post trade business

- Nasdaq Clearing
- CSDs in
 - Lithuania
 - Latvia
 - Estonia
 - Iceland



THANK YOU

PLEASE VISIT MY CSD BLOGS AT NASDAQ.COM

