VP Member Services Report

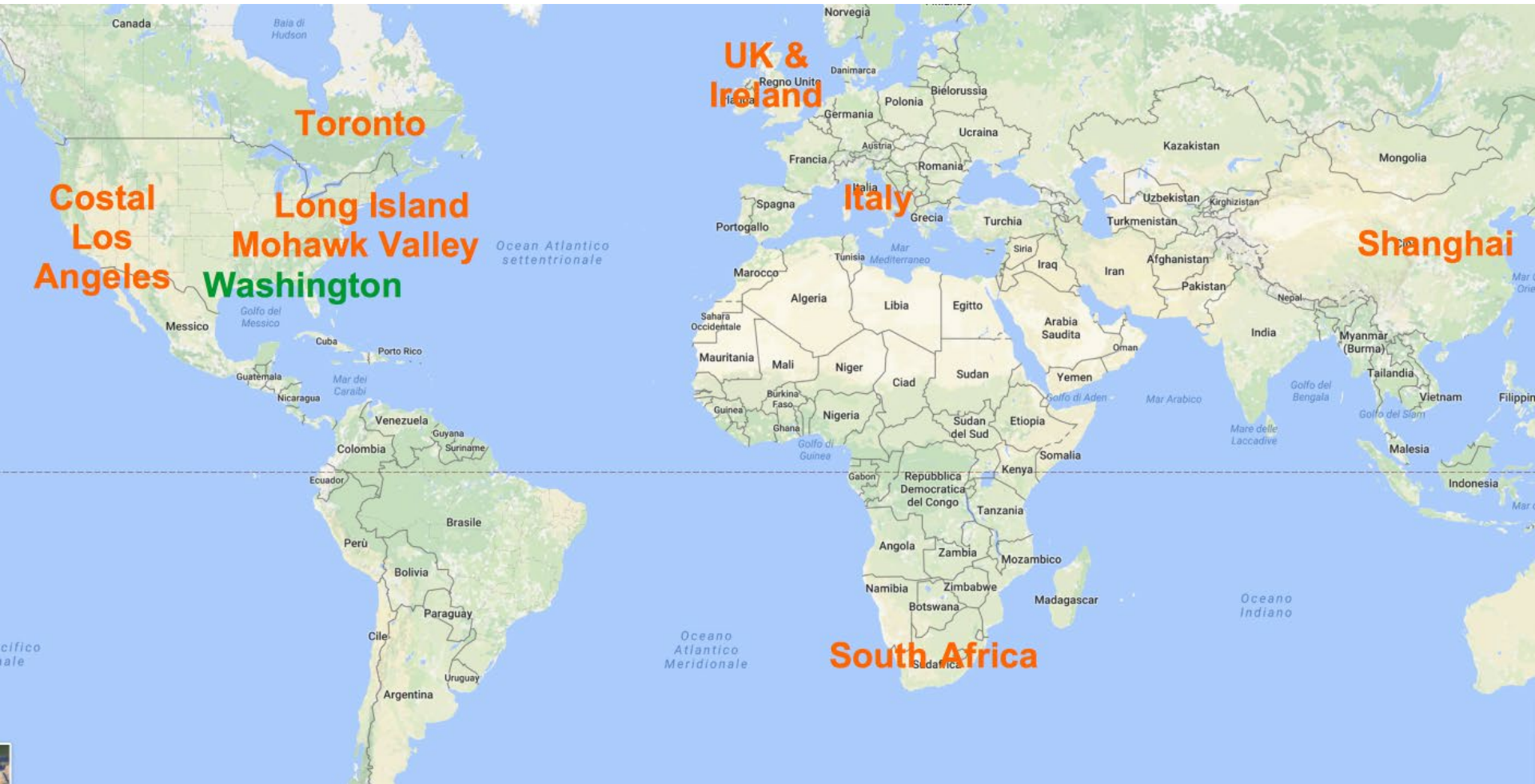Montreal 2017 Spring Meeting

Chapter Situation

- Active chapters so far: 8
- Expected new chapter(s): 1 (Thomas from Washington)
- Reasonable world coverage
- Reasonable continuous chapter addition

System Council Chapters

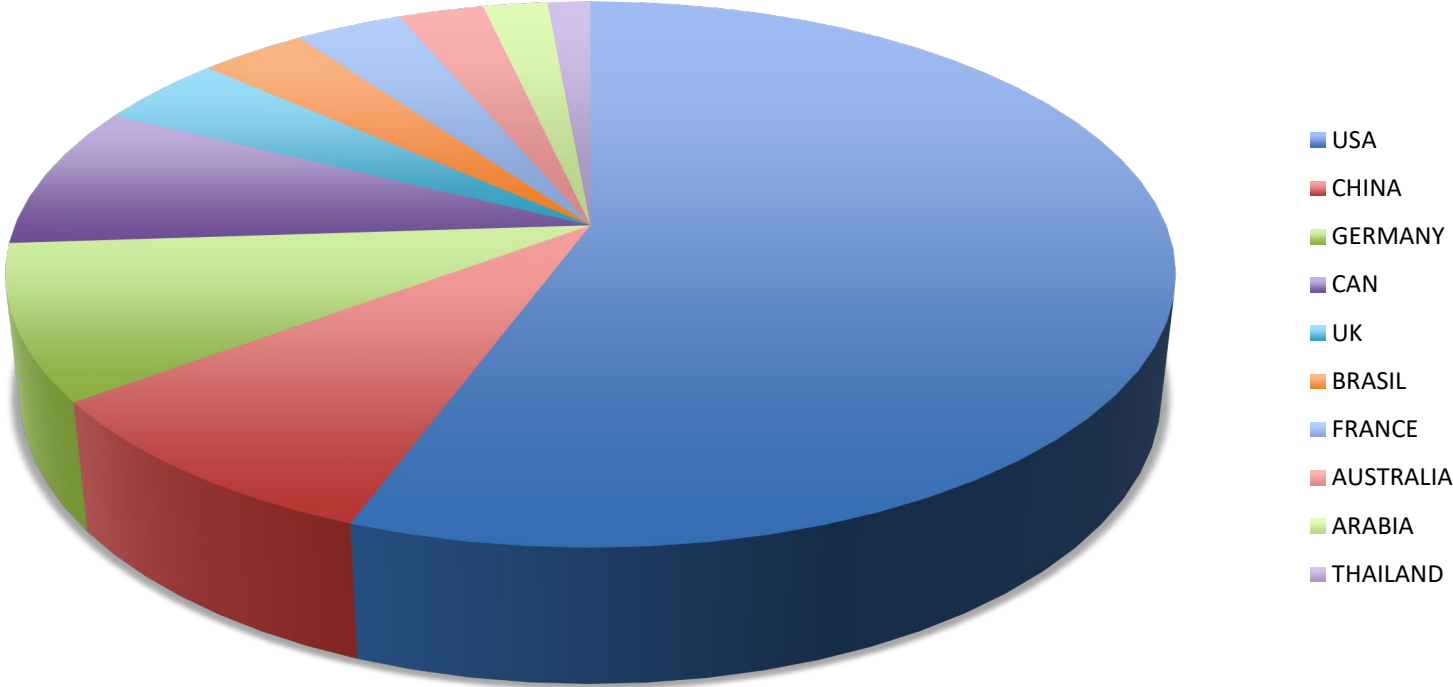| Location	Date of formation
Italy	2008
Coastal Los Angeles	2009
Toronto	2011
Shanghai	2014
South Africa	2015
Mohawk Valley	2016
Long Island	2016
United Kingdom and Ireland	2017
Washington	

System Council Chapters
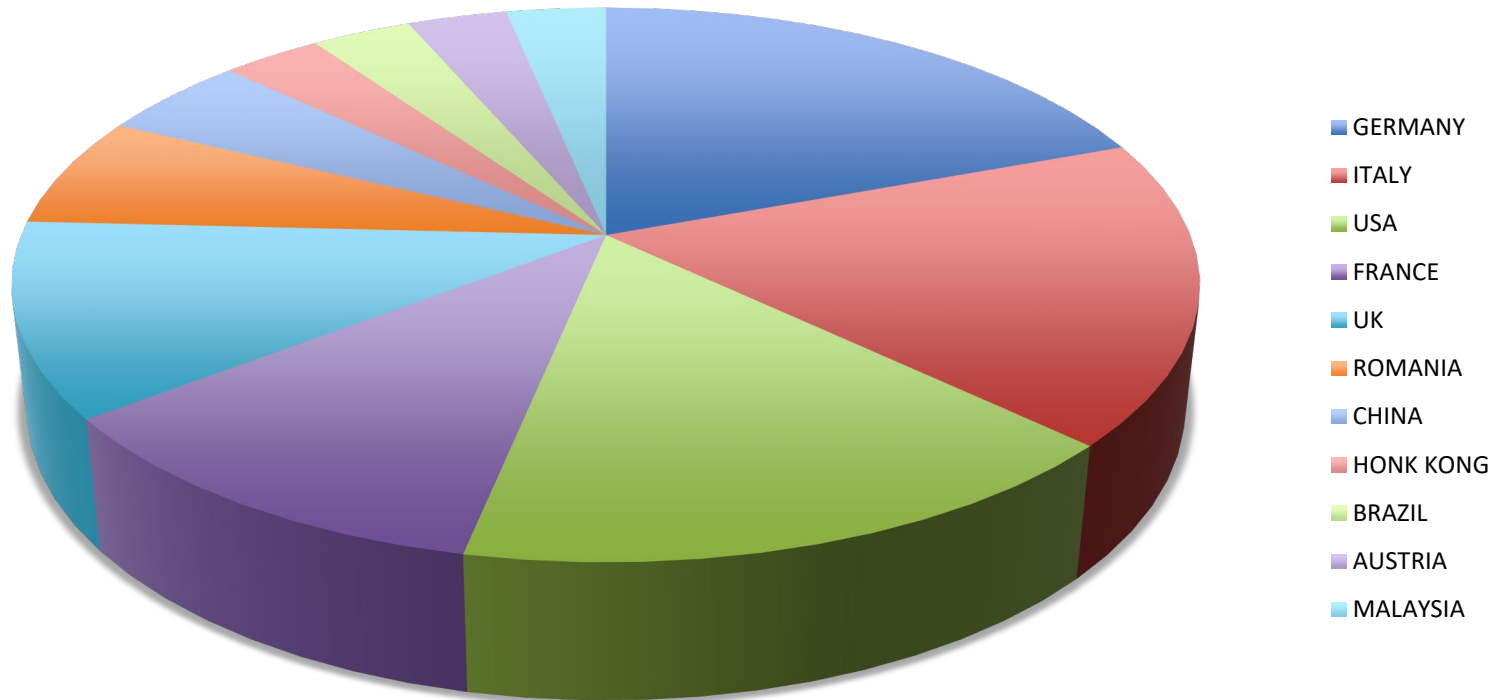
System conference(s) attendance

- Reasoning to highlight correlations chapters/attendance
- Analysis on last two (2016) conferences:
  - IEEE International Systems Conference (Orlando, FL)
  - IEEE International Symposium on Systems Engineering (Edinburgh, UK)
- The results are interesting as we have many papers (and authors) and two different locations in USA and Europe
- Paper associated to country of first author, countries with one paper not considered in the plots

Orlando Attendance (ordered)

Legend:
- USA
- CHINA
- GERMANY
- CAN
- UK
- BRASIL
- FRANCE
- AUSTRALIA
- ARABIA
- THAILAND

Comment: in USA we see a strong increase of US people

Edinburgh attendance (ordered)

Legend:
- GERMANY
- ITALY
- USA
- FRANCE
- UK
- ROMANIA
- CHINA
- HONK KONG
- BRAZIL
- AUSTRIA
- MALAYSIA

Comment: in Europe we see a strong increase of Italian people

Chapters & attendance
(sum of the two conferences)

Country	Chapters	Attendance
USA	3+1	89
CHINA	1	16
UK	1	13
ITALY	1	11
GERMANY		25
FRANCE		12
SOUTH AFRICA	1	

Comments:
1. Clear correlation between attendance and number of chapters
2. Germany and France give a remarkable attendance without a chapter
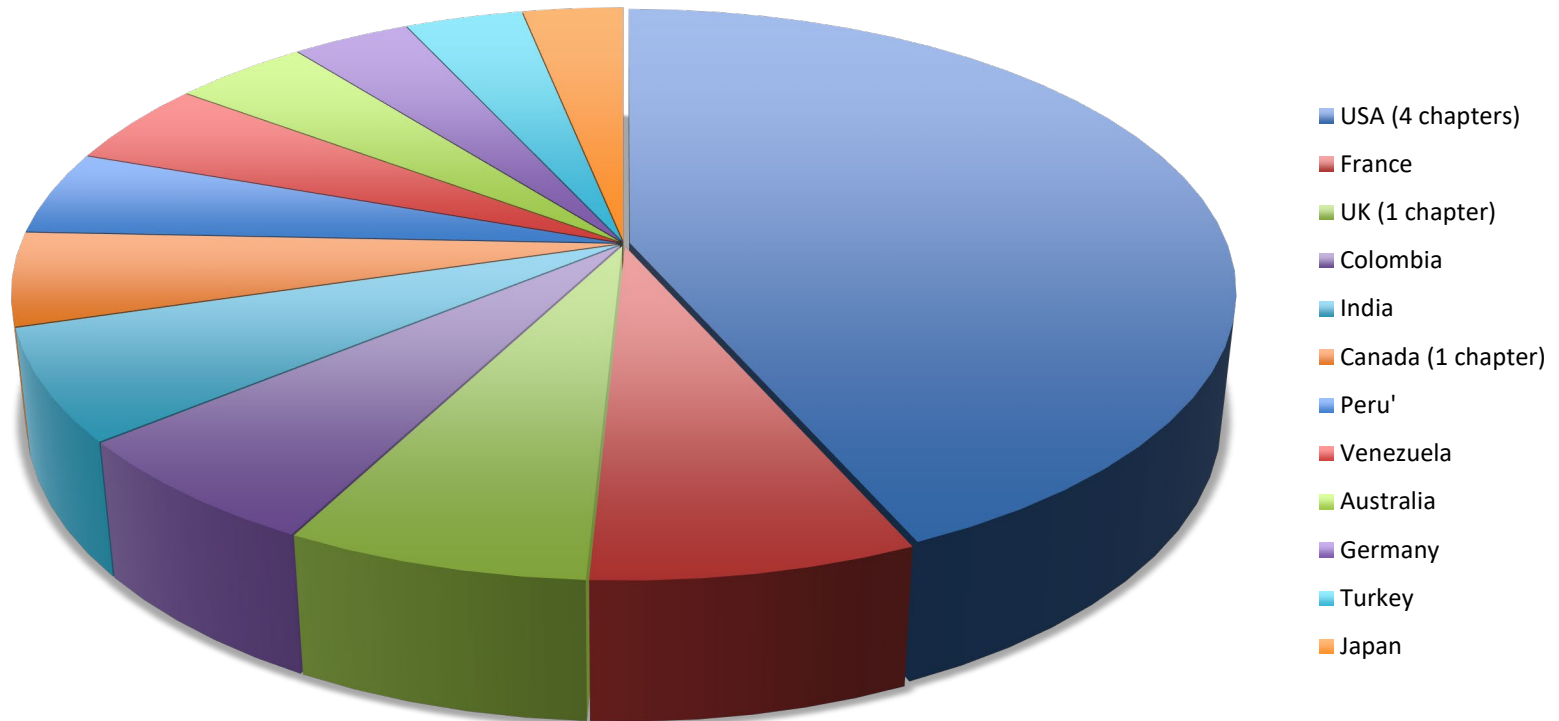3. South Africa has a chapter but negligible attendance

BS/MS Degrees on System Engineering

- International Council on System Engineering (INCOSE), keeps track of courses.
  BTW: people from INCOSE sent a couple of papers to our conferences.

- 53 countries have courses which claim to be the system engineering area

- Intriguing course distribution
  (plot for countries with 6+ courses)

Course distribution

Legend:
- USA (4 chapters)
- France
- UK (1 chapter)
- Colombia
- India
- Canada (1 chapter)
- Peru'
- Venezuela
- Australia
- Germany
- Turkey
- Japan

Comments:
1. USA has a lot of courses, followed by France and UK (and Canada). These countries send many papers to our conferences; USA, UK, Canada have Chapters
2. 'Developing & emerging' countries have a lot of courses in the SE area

Societies

- Aerospace and Electronic Systems
- Circuits and Systems
- Computational Intelligence
- Communications
- Control Systems
- Instrumentation and Measurement
- Microwave Theory and Techniques
- Oceanic Engineering
- Power Electronics
- Product Safety Engineering
- Robotics and Automation
- Systems, Man, and Cybernetics