ENISA Threat Landscape and Thematic Threat Landscape
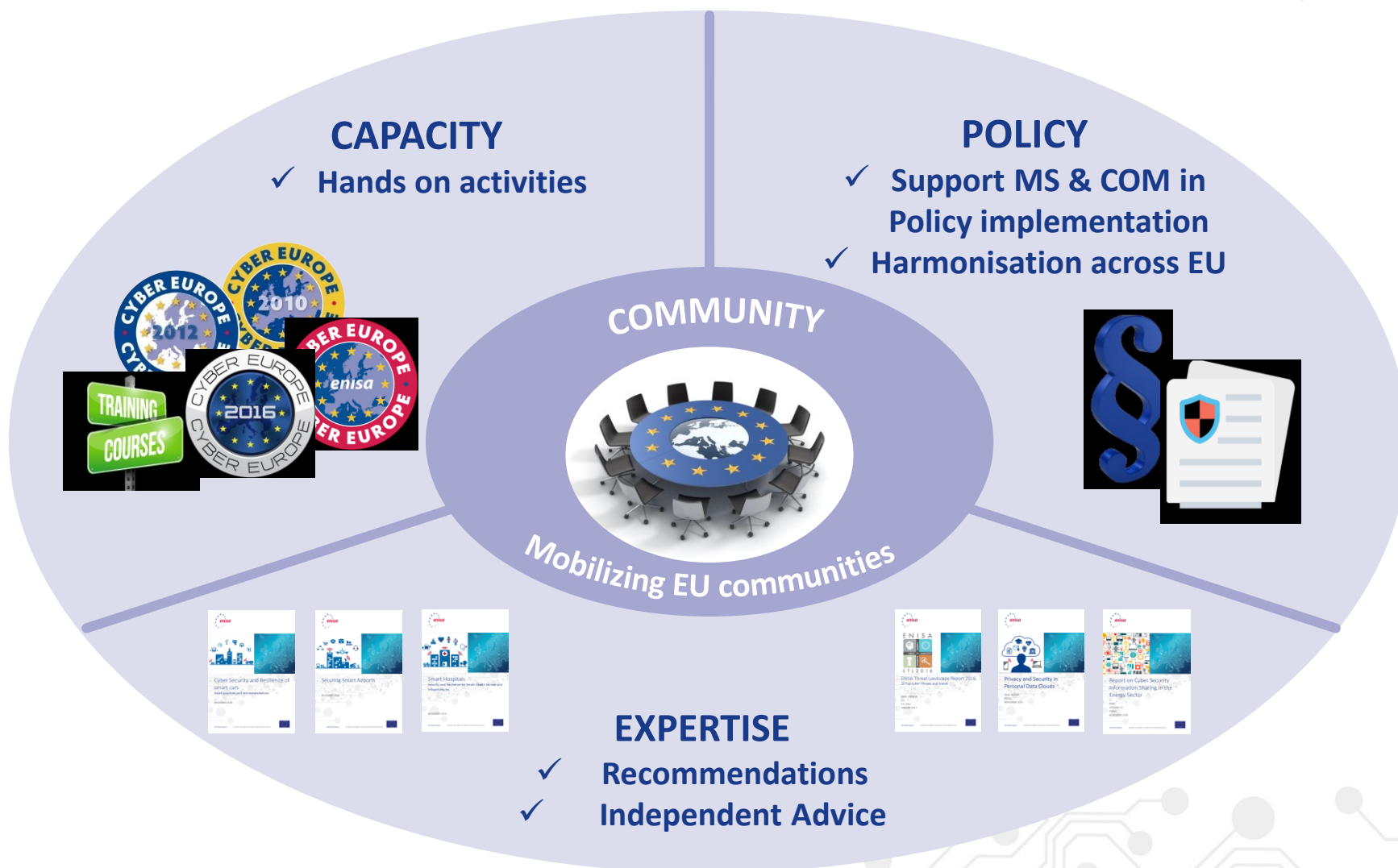
Adrian Belmonte |9th Conference on Informatics in Education | University Of Piraeus| 13 October 2017

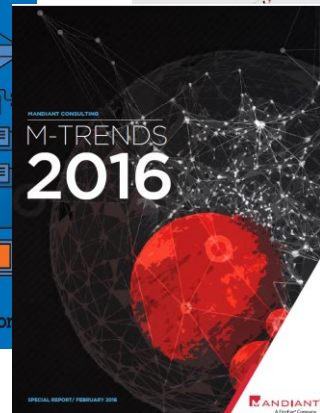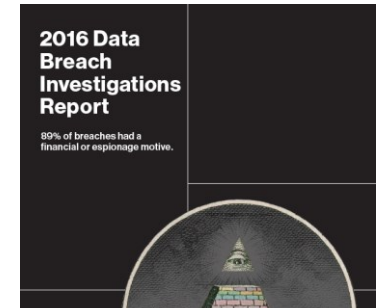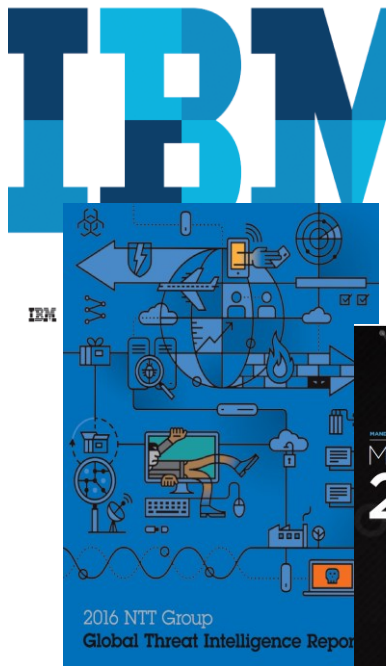European Union Agency for Network and Information Security

Positioning ENISA activities

CAPACITY
- ✓ **Hands on activities**

POLICY
- ✓ **Support MS & COM in Policy implementation**
- ✓ **Harmonisation across EU**

COMMUNITY

Mobilizing EU communities

EXPERTISE
- ✓ **Recommendations**
- ✓ **Independent Advice**

Plethora of reports and information on CTI

ENISA Threat Analysis Process
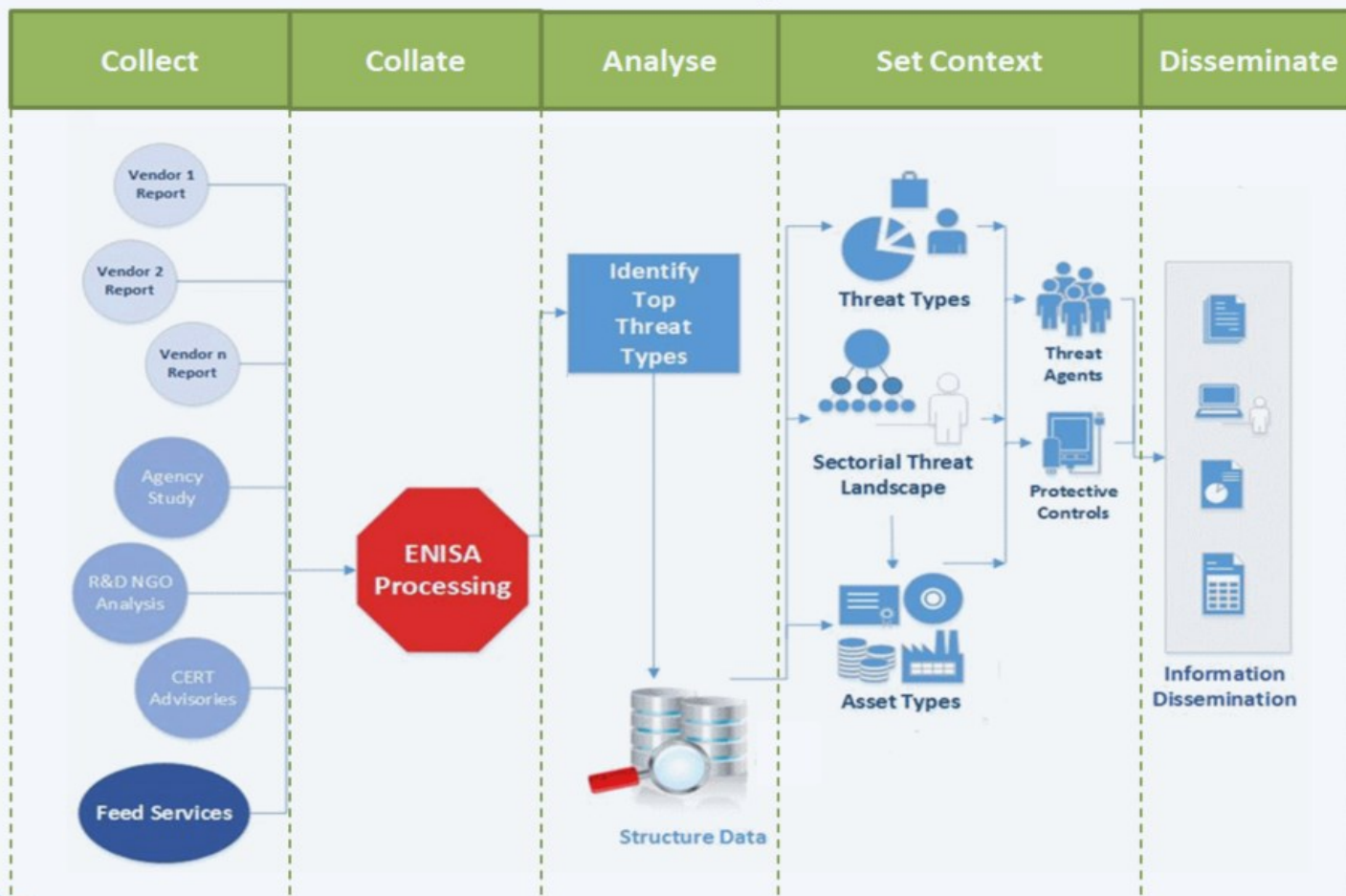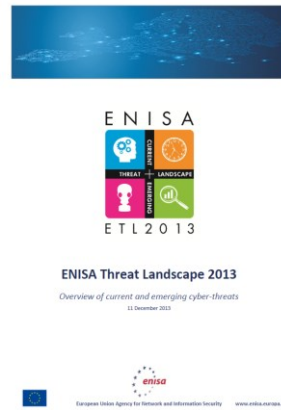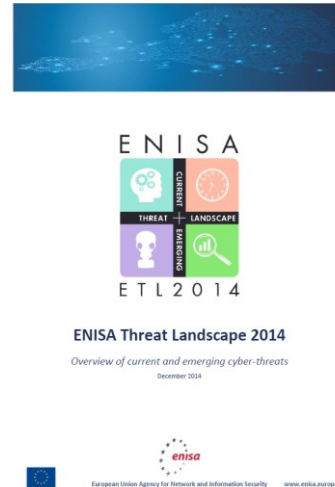
ENISA Threat Landscape

2012

2013
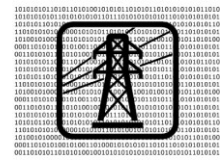

2014

2015

...And the Thematic Threat Landscape

Smart Grid Threat Landscape and Good Practice Guide

Threat Landscape and Good Practice Guide for Smart Home and Converged Media

Big Data Threat Landscape and Good Practice Guide

Threat Landscape and Good Practice Guide for Internet Infrastructure

Threat Landscape and Good Practice Guide for Software Defined Networks/5G

ETL Outcomes

Top·Threats·2014	Assessed·Trends·2013	Top·Threats·2015	Assessed·Trends·2014	Change·in·ranking
1.→Malicious·code:·Worms/Trojans		1.·Malware		→
2.→Web-based·attacks		2.·Web-based·attacks		→
3.→Web·application-/Injection·attacks		3.·Web-application·attacks		→
4.→Botnets		4.·Botnets		→
5.→Denial-of-service		5.·Denial-of-service		→
6.→Spam		6.·Physical·damage/theft/loss		↑
7.→Phishing		7.·Insider·threat·(malicious,·accidental)		↑
8.→Exploit·kits		8.·Phishing		↓
9.→Data·breaches		9.·Spam		↓
10.·Physical·damage/theft-/loss		10.·Exploit·kits		↓
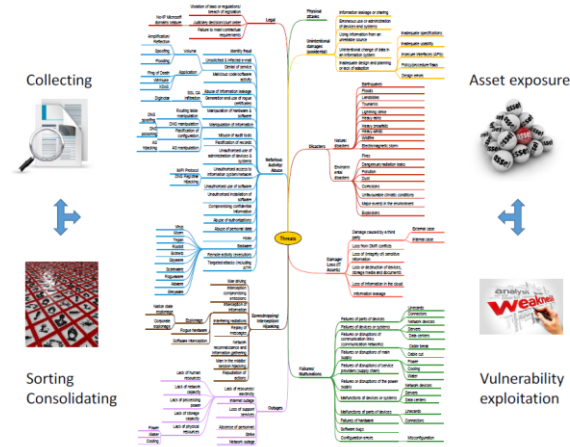
Figure 2: ENISA Threat Taxonomy and its use-cases
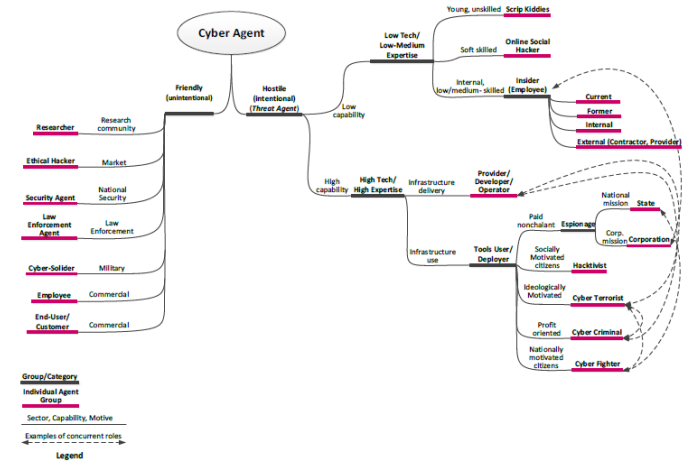
Ad-Hoc & Sensor networking for M2M Comm TTL