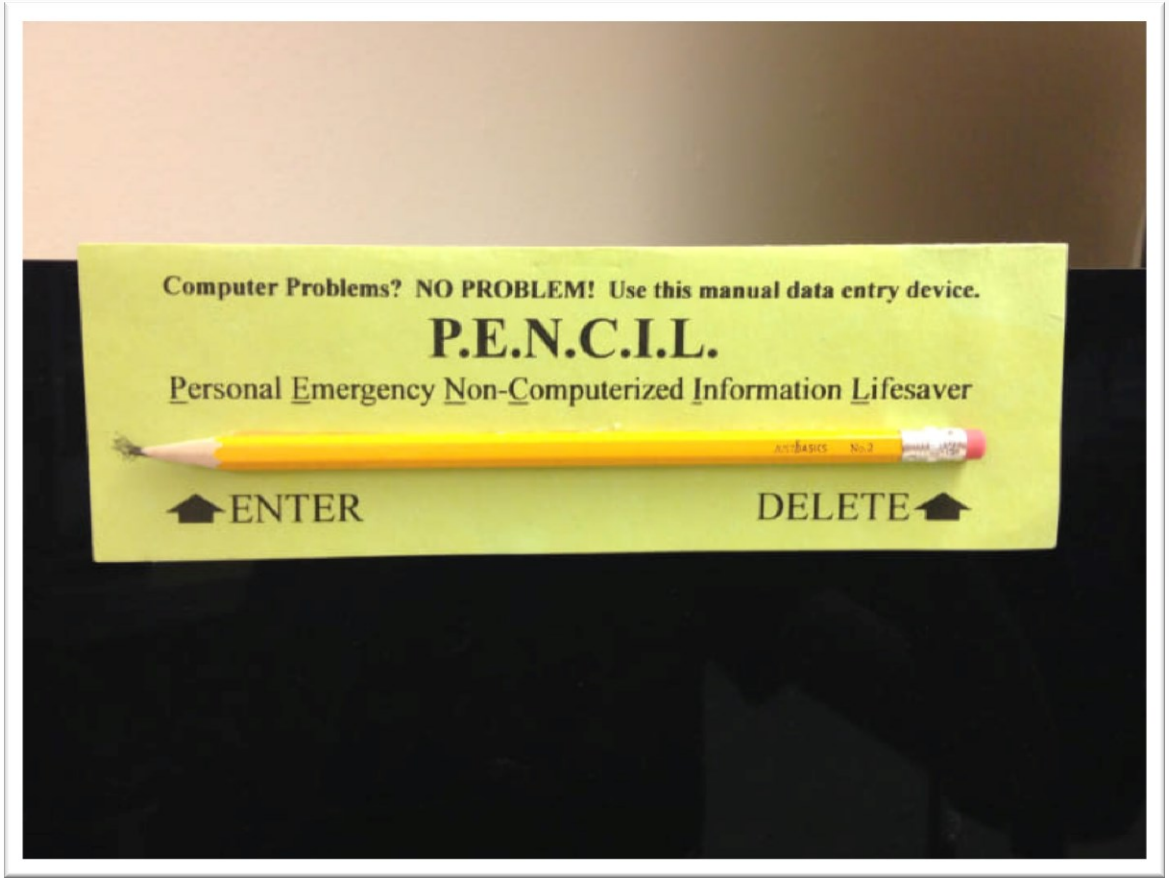
SCALING INTELLIGENCE FOR COMMUNITIES

ENISA – 31 Oct 17

HUMANS DON'T SCALE (WELL)



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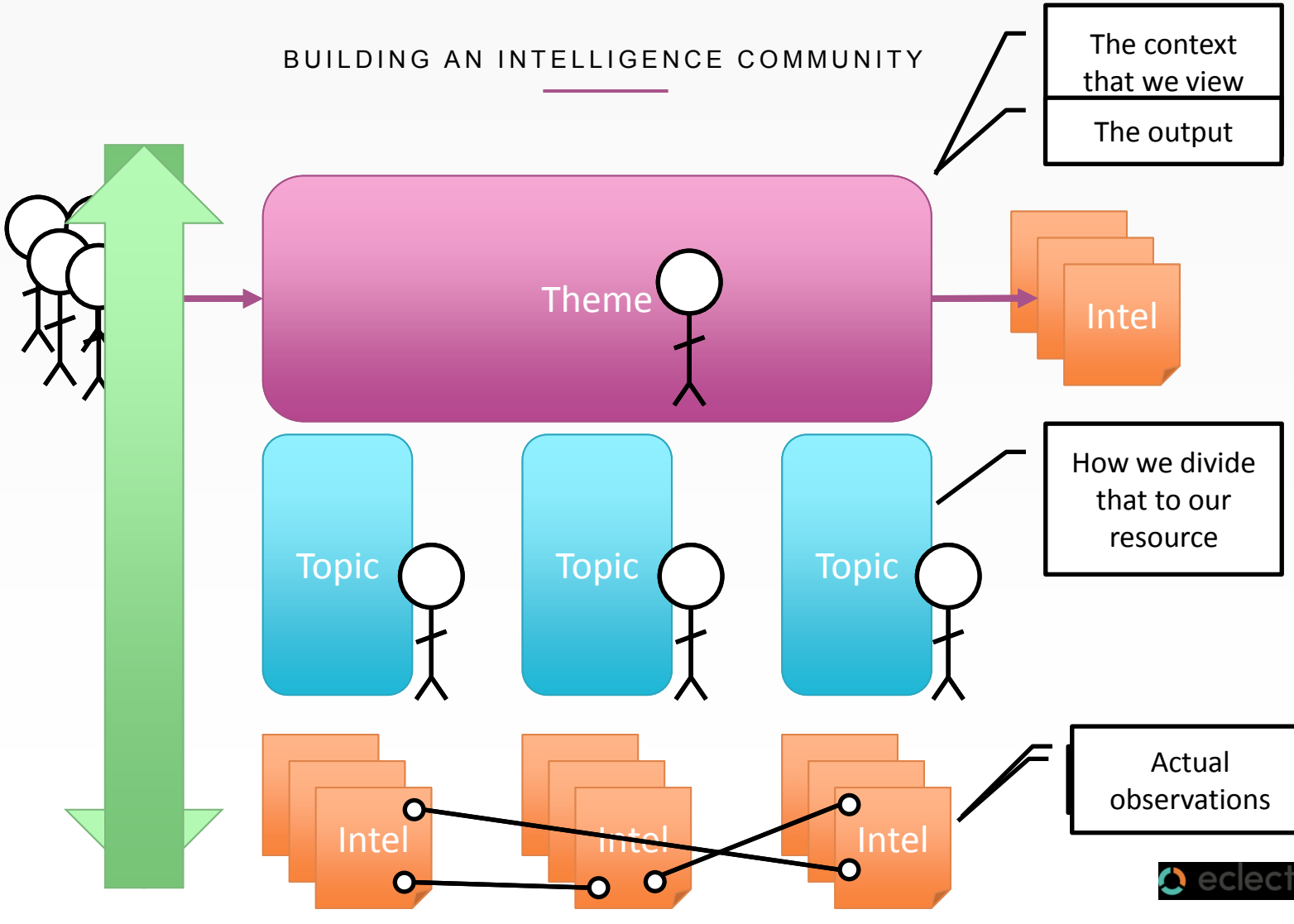
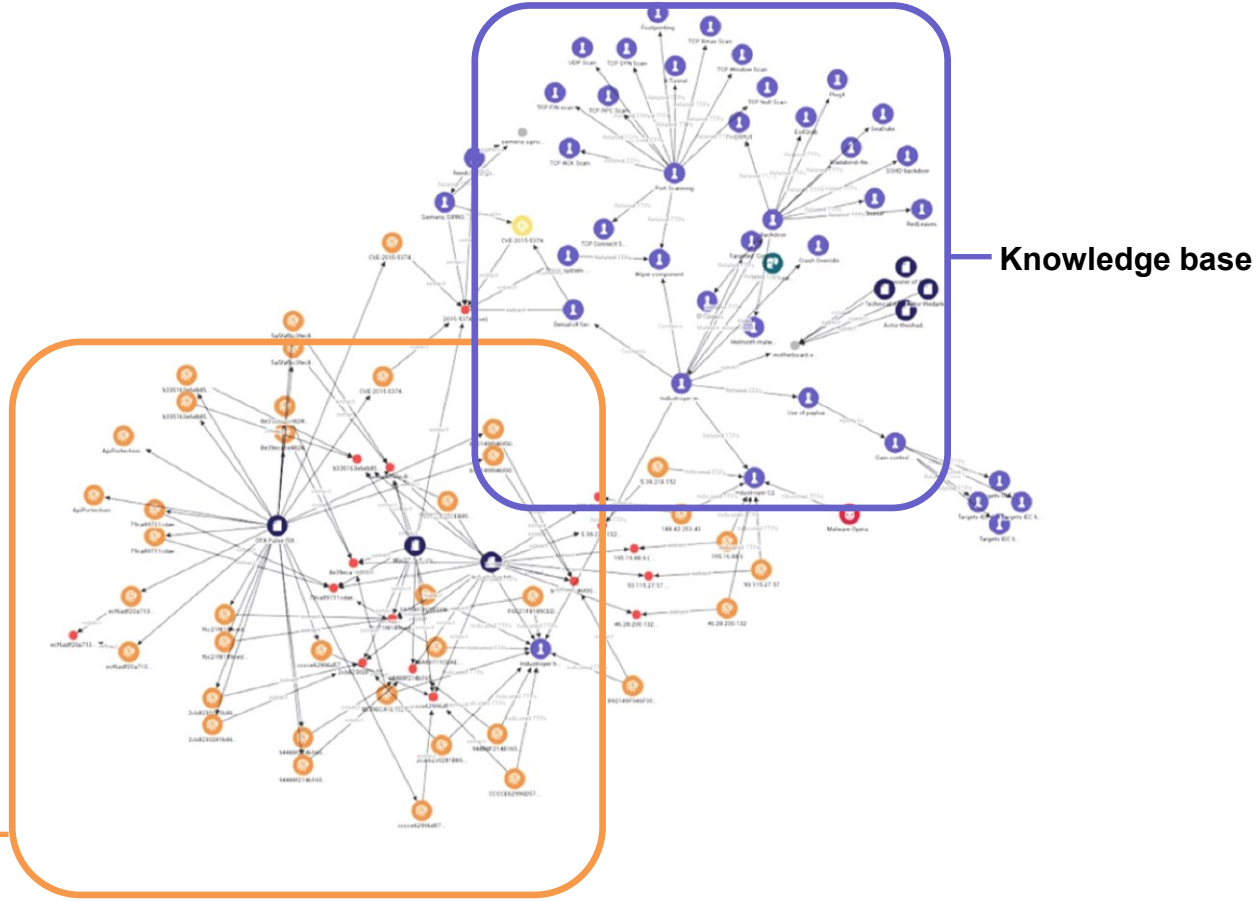
BUILDING AN INTELLIGENCE COMMUNITY

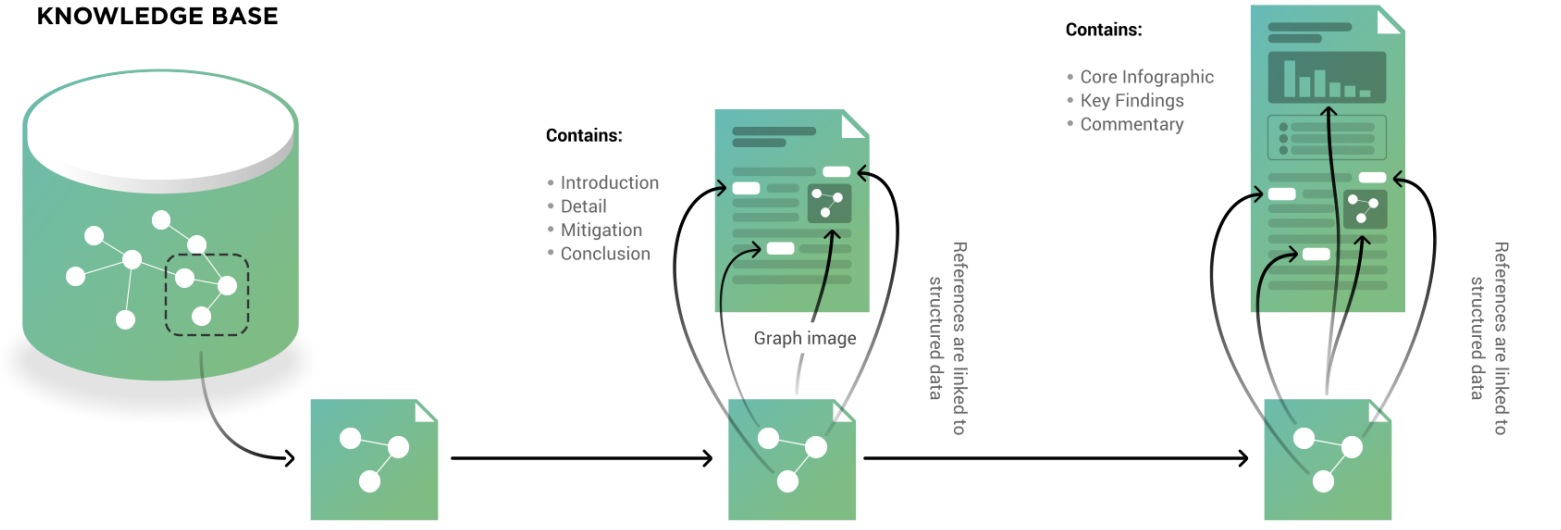


THREAT INTEL APPROACH

- STIX, MISP, OpenIOC, <insert structured language here>
- Clustering a knowledge base for topics/themes
- Automate the process of ingestion, analytics, enrichment and notification
- Pivot for interesting overlaps and produce a report _*from*_ the data



STRUCTURED PRODUCTS



OPERATIONAL

- Indicator Watchlists
- EDR and/or SIEM Feeds
- Threat Profile / Structured Library sharing

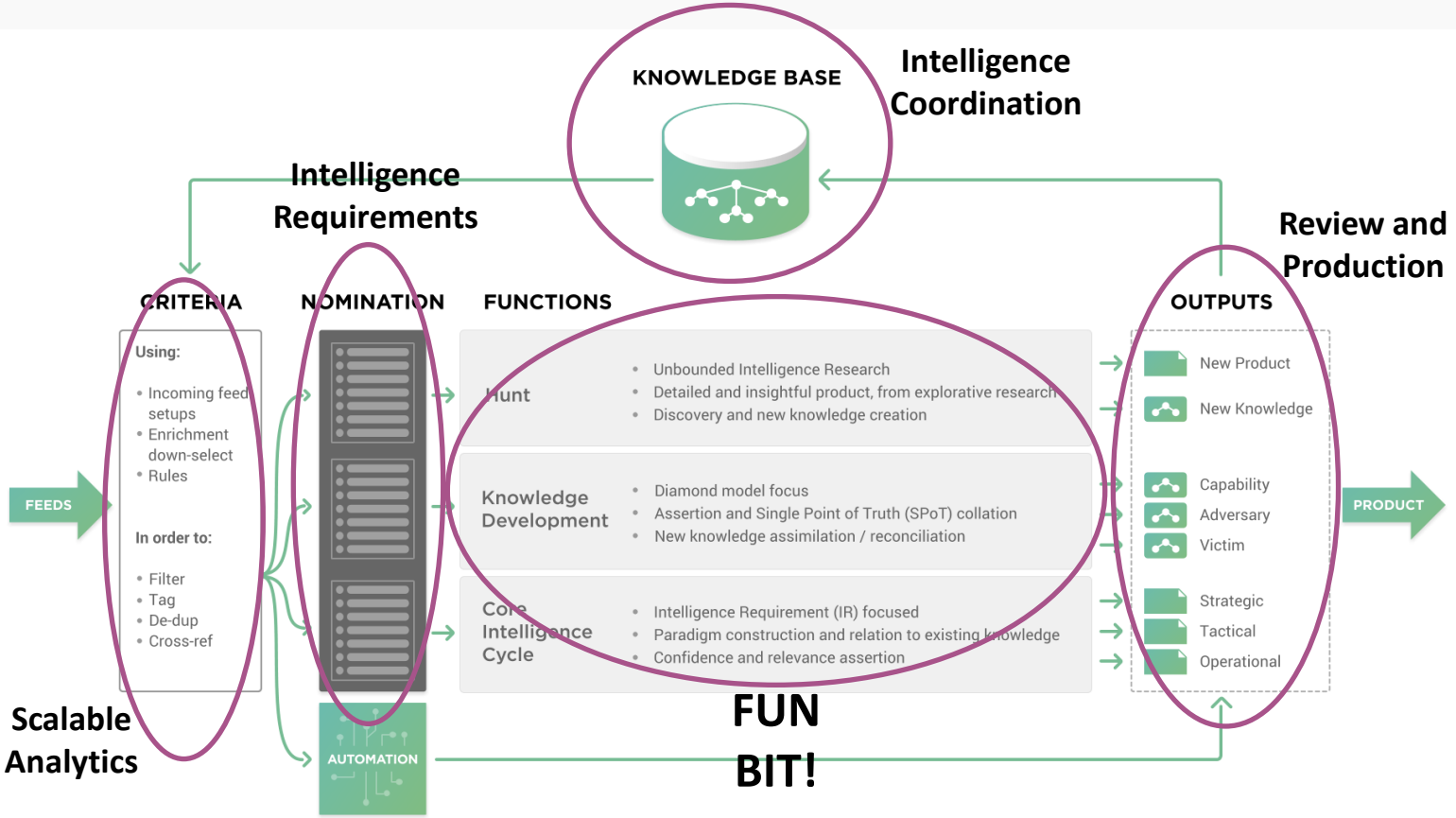
TACTICAL

- Paradigm-oriented Digests
- Thematic Reporting
- Ad-hoc and responsive analysis

STRATEGIC

- Trend reporting
- Core messages as statistics
- Summarization and unstructured commentary

HUMANS WORKING ON DATA



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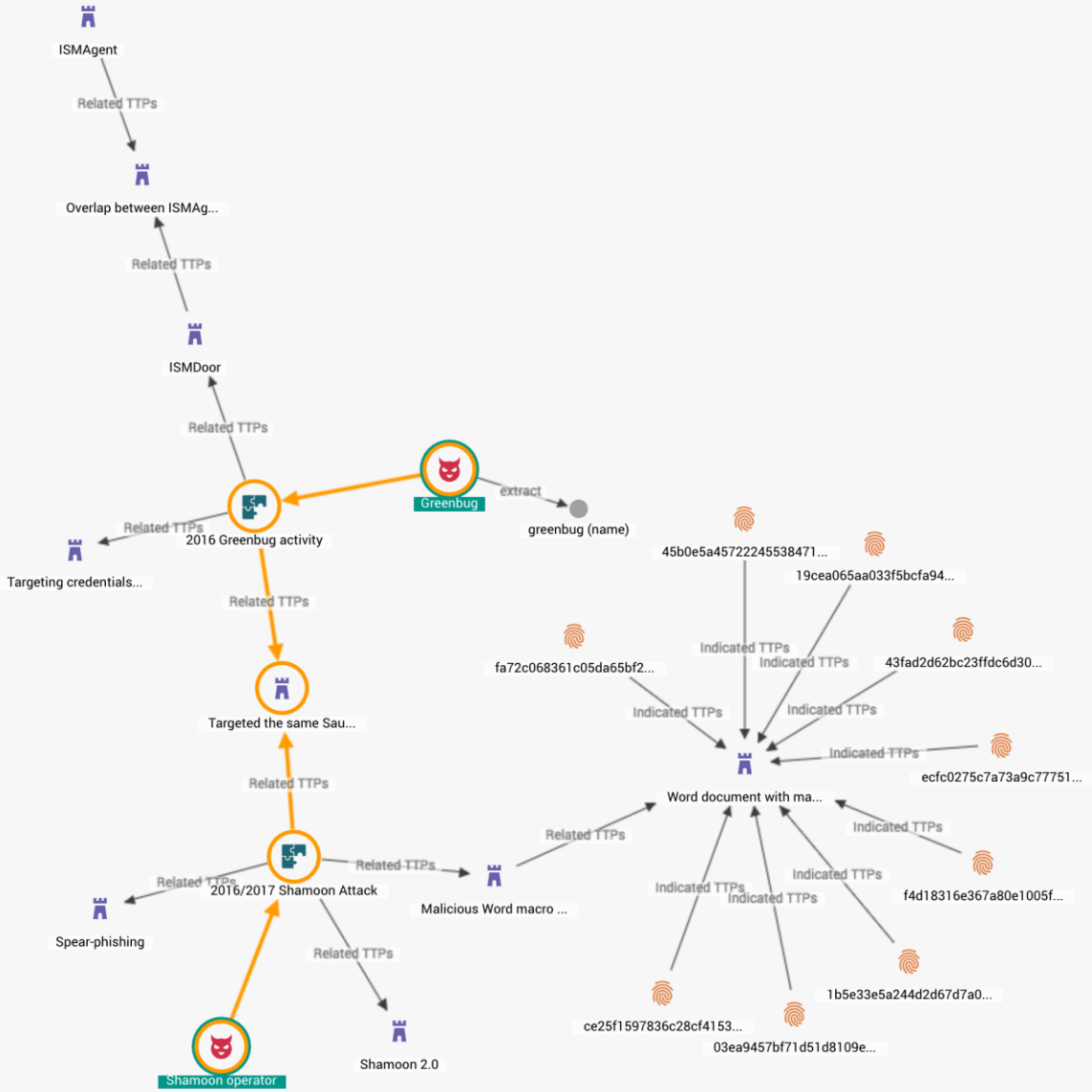
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Overlap between ISMAg...
Related TTPs
ISMDoor
Related TTPs
Greenbug
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greenbug (name)
2016 Greenbug activity
Related TTPs
Targeting credentials...
Related TTPs
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2016/2017 Shamoon Attack
Related TTPs
Spear-phishing
Related TTPs
Malicious Word macro ...
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Shamoon operator
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Shamoon 2.0
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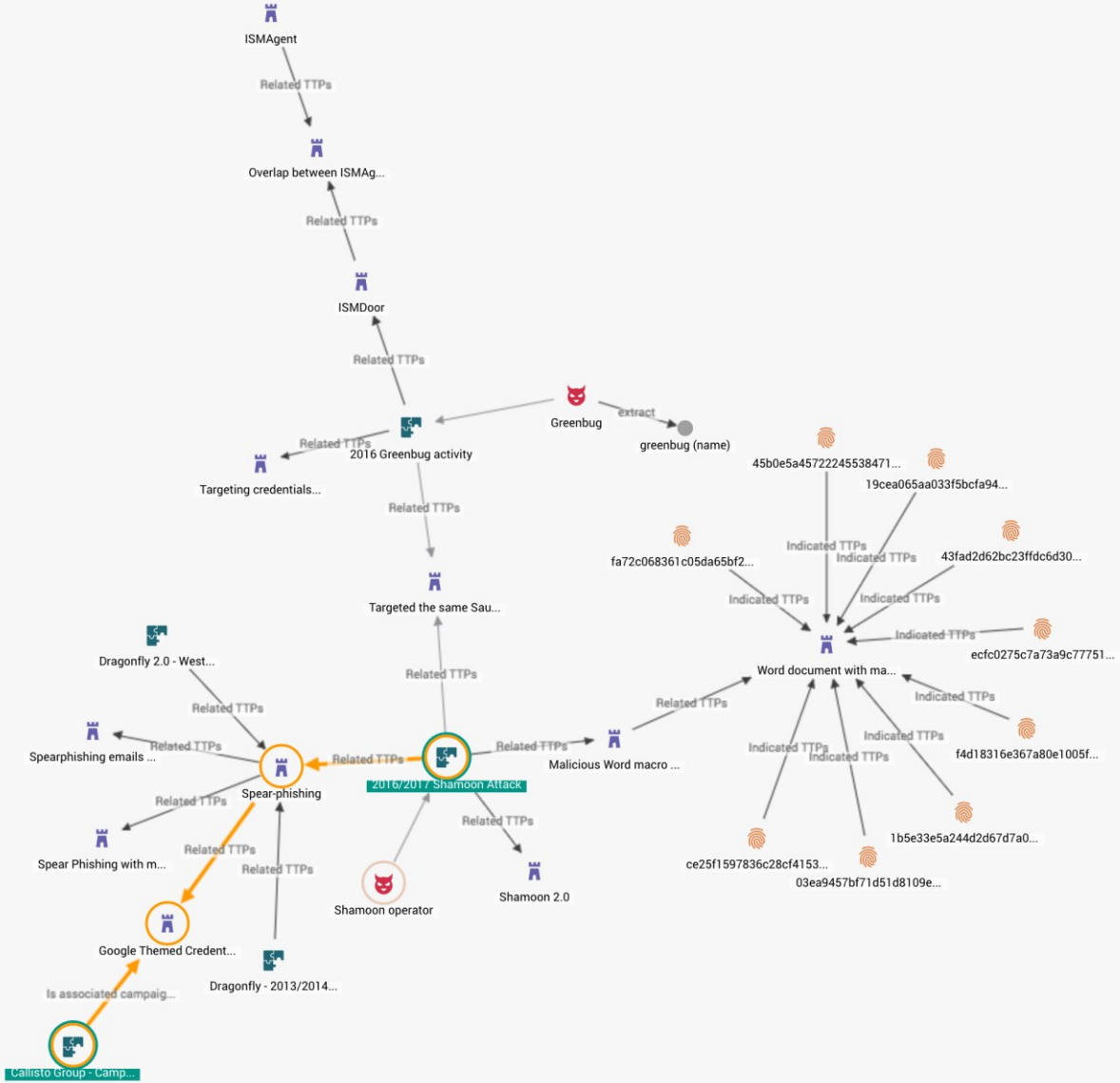
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Google Themed Credent...
Dragonfly - 2013/2014...
Is associated campaig...
Callisto Group - Camp...

SUMMARY

- Humans don’t scale (well)
  - Orient around structured objects (data)
  - Automate ingest, analytics, enrichment
  - Data-driven reporting

- Have scalable processes
  - Identify bottlenecks – decide threshold for ‘quality vs timeliness’
  - Let the analysts analyse
  - Don’t forget to sense check the big picture!