CONCORDIA

Cyber security cOmpeteNCe fOr Research anD InnovAtion

DDoS Clearing House for Europe (Task 3.2)

Cross-sector Pilot Demo

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(SIDN Labs)

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 830927.

T3.2 objective

- Pilot a DDoS Clearing House with European industry for Europe to proactively and collaboratively protect European critical infrastructure against DDoS attacks

- Contributes to **increased European digital sovereignty** thru better insight in and control over DDoS attacks

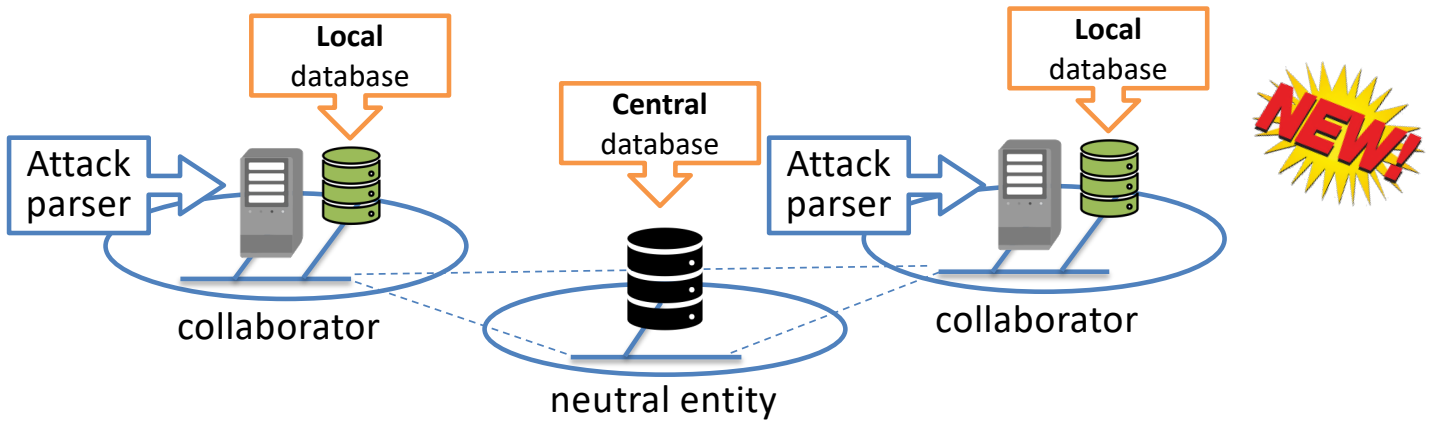
Key challenge: increase to TRL 5-7 and grow deployment

- Key outputs: **pilots** in NL >> IT, DDoS clearing house **blueprint**

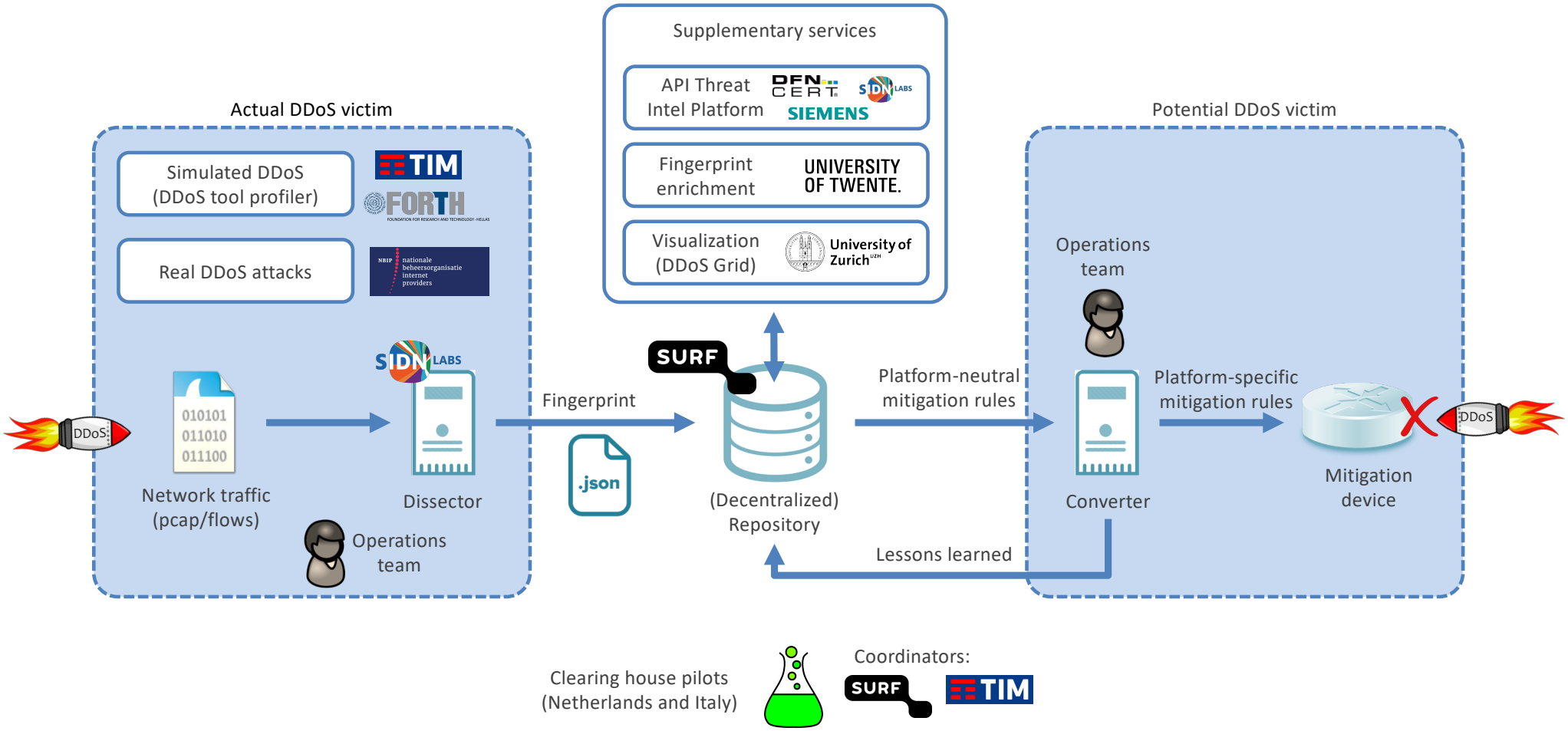
DDoS Clearing House Concept

- Continuous and automatic sharing of “DDoS fingerprints” buys providers time (proactive)

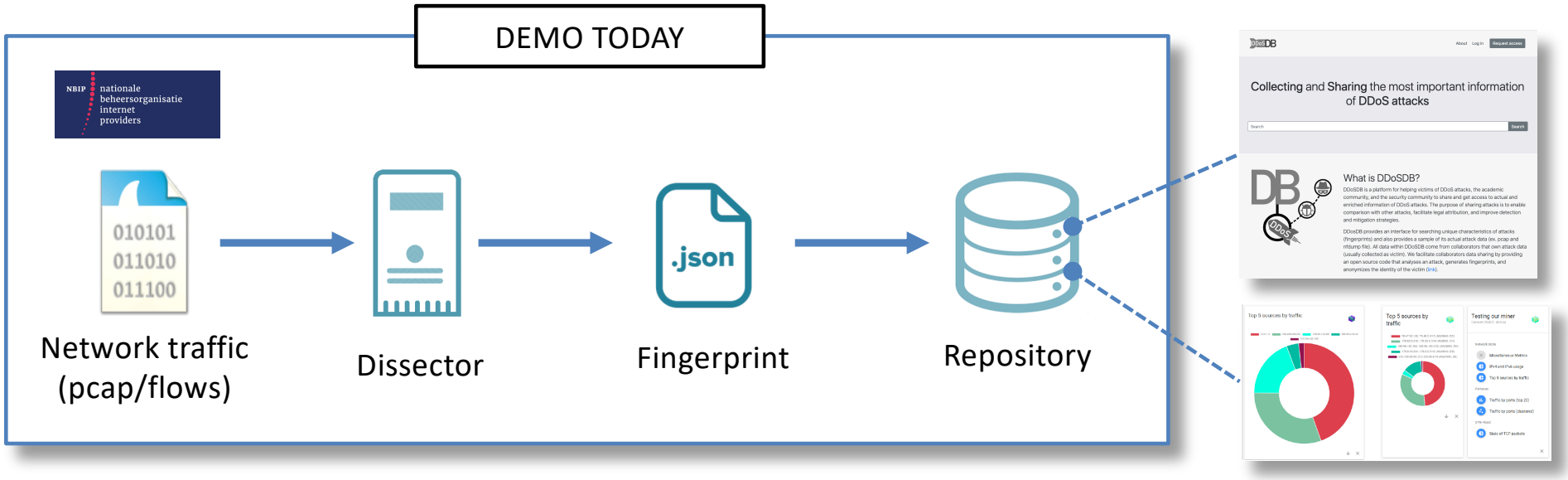
- Extends DDoS protection services that critical service providers use and does not replace them



Main Components and Data Flow



Today's Demo

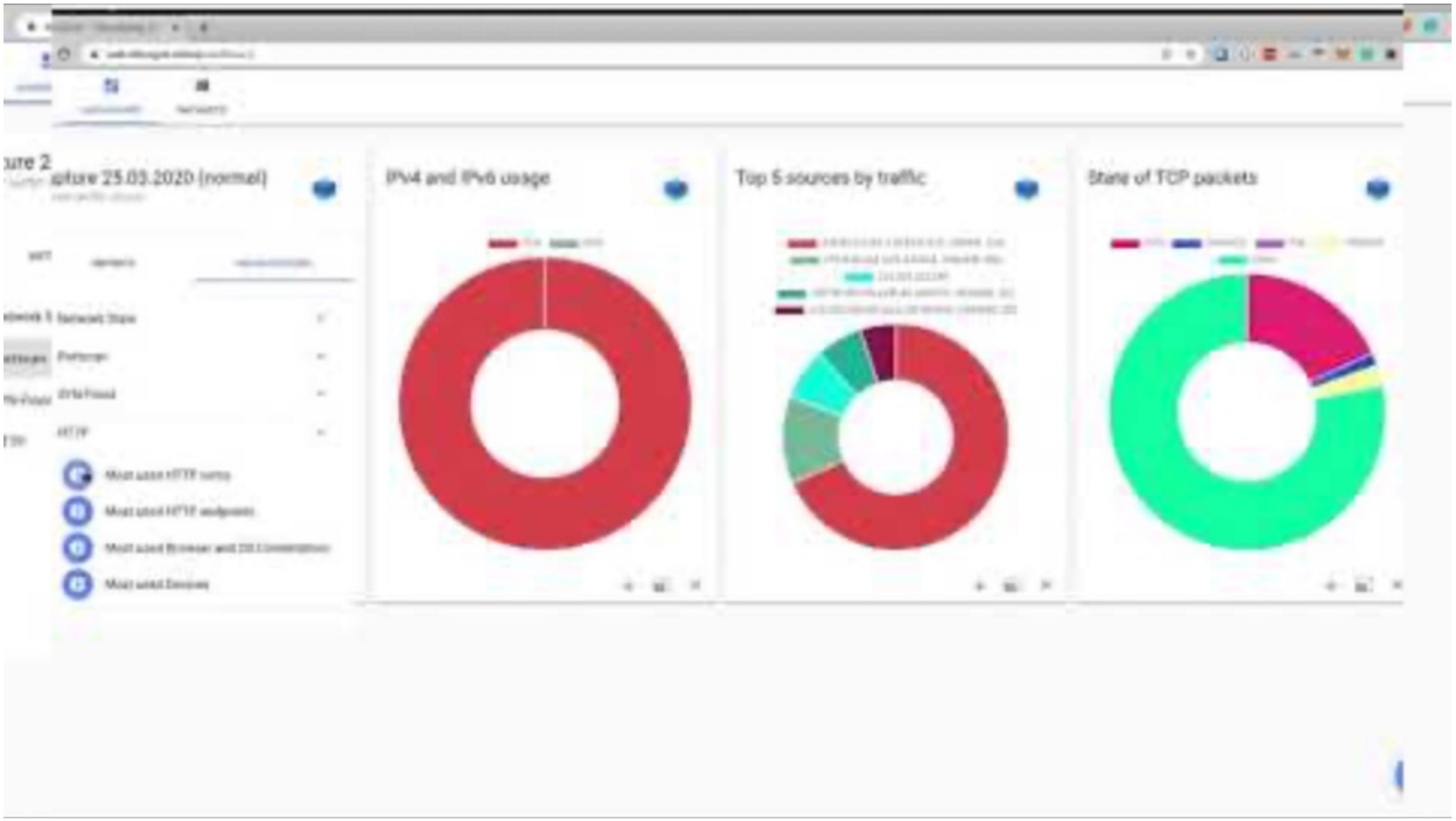


1. Full cycle process (generation, upload, storage)
2. Dashboard for fingerprint visualization
3. Fingerprint enrichment

Fingerprint generation, storage, enrichment

https://www.youtube.com/watch?feature=oembed&v=1QlC3SwwYAU

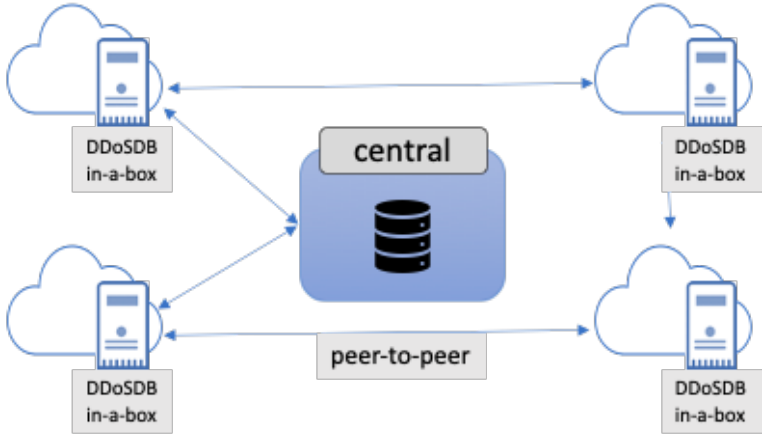
Fingerprint visualization (not integrated yet)



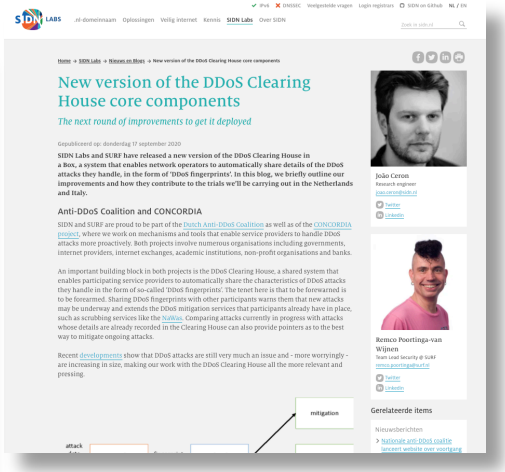
https://www.youtube.com/watch?feature=oembed&v=5OiCStFuerg

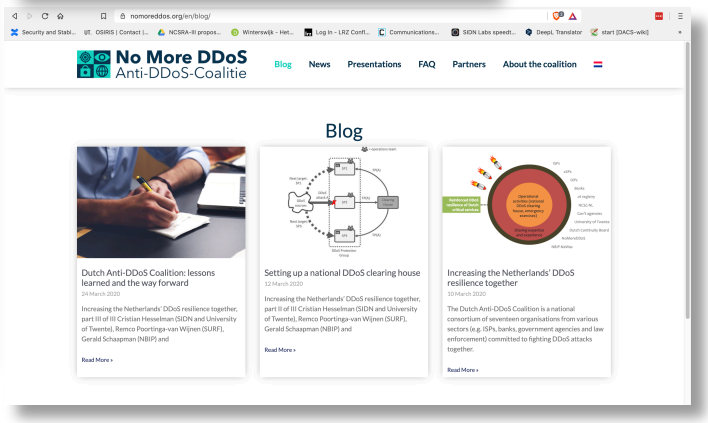
Next steps

- Aim to deploy system at other partners
  - Dutch pilot and CONCORDIA partners
  - Exchange fingerprints on a regular basis
- Improve software components
  - Dissector: improve DDoS fingerprints
  - Supplementary services on top of DDoS-DB
- Continue demo-driven approach



Further reading





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Dutch Anti-DDoS Coalition:
https://www.nomoreddos.org/en/

Clearing house on GitHub:
https://github.com/ddos-clearing-house/

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