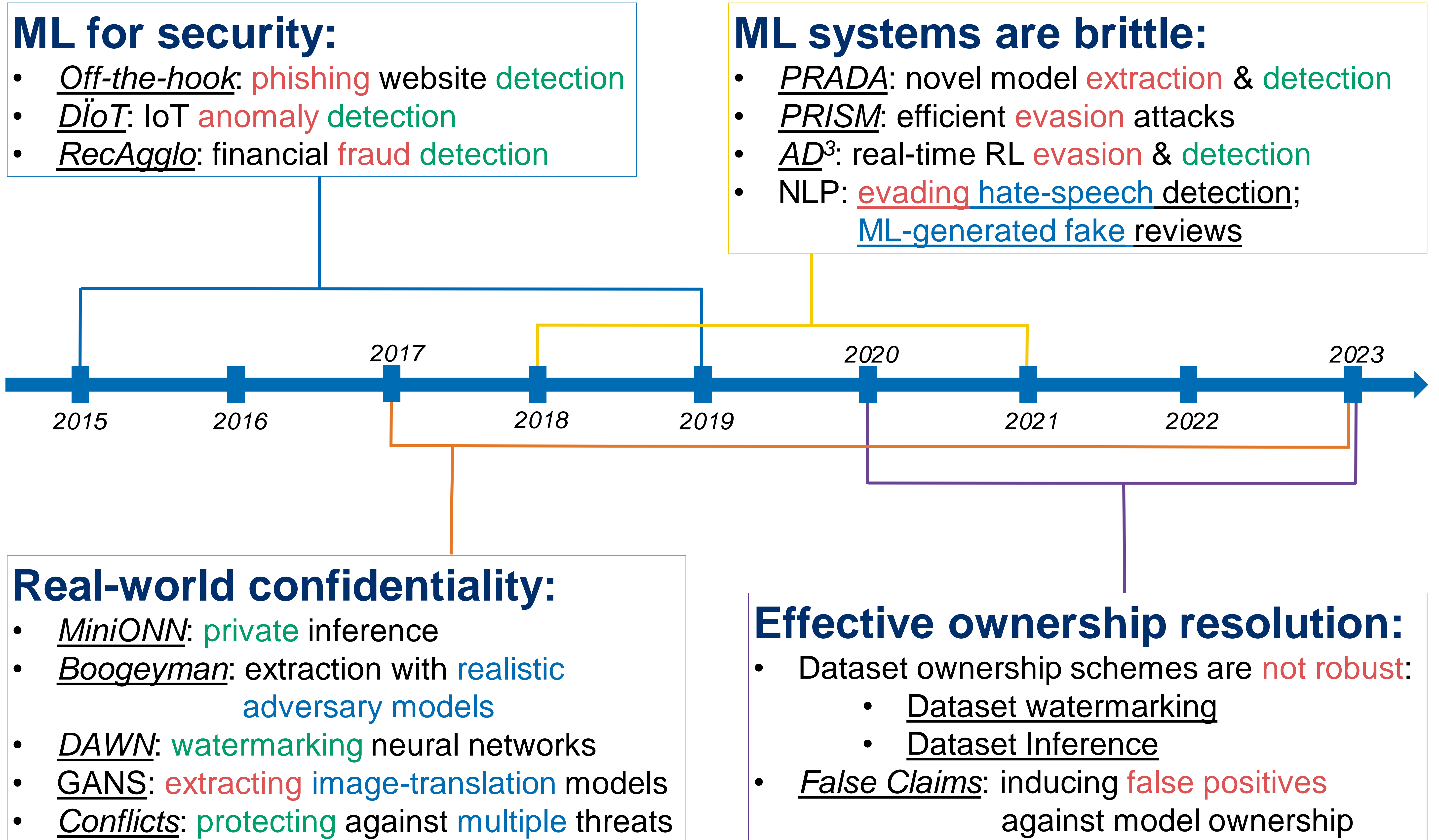


# ML Security at SSG: Past, Present and Future

"Security is a process, not a product." -- Bruce Schneier

## ML-based systems are wildly successful! How to protect them against novel attacks?



## Current work: defenses vs. other attacks, ML property attestation, ...

### Industry collaborations

Intel: ICRI-SC, ICRI-CARS & PrivateAI institutes

Zalando: fraud detection with real-world data

### Training Experts

Industry: WithSecure, Intel, Nokia; Academia: Uni. Of Helsinki, Zhejiang Uni.; Public sector: KELA, CCC

### Output

- 5 doctoral dissertations
- 16 Master's theses
- ACSAC, ACM CCS, ACM MM, AAI, ESORICS, EURO S&P, ICDCS, SRDS, ...

