

DNS Abuse Reporting & Mitigation at Scale

GAC DNS Abuse Plenary

10th June 2026, ICANN86, Seville

NetBeacon Institute

Vision: A Safer Internet for Everyone

- Created and operated by Public Interest Registry (.ORG) in service of its public interest mission since 2021.
- Non-commercial, all our products and services are free.
- We do not have customers; we do not sell anything.
- Education, Innovation and Collaboration.

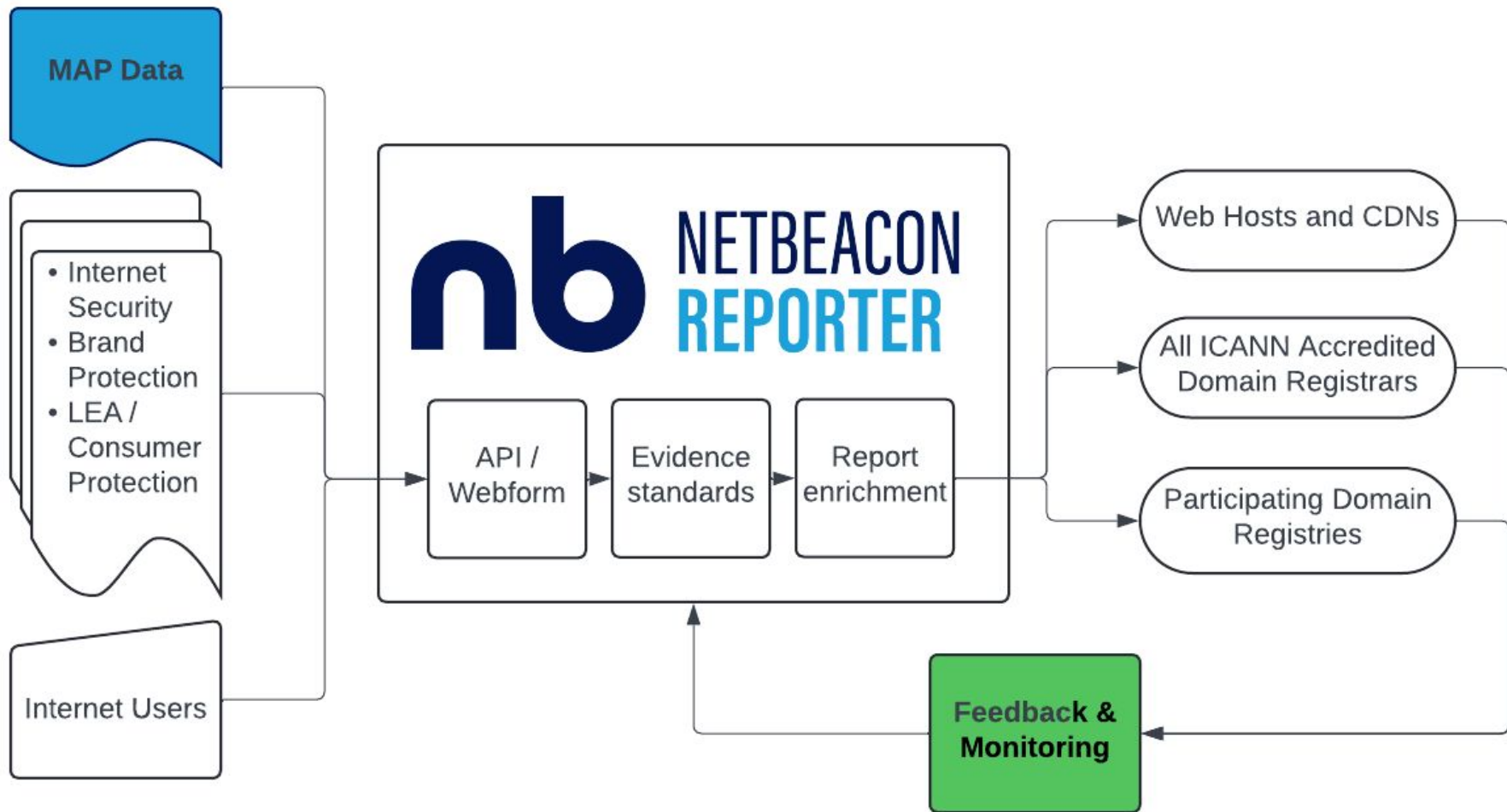
Two Key Initiatives



Understand Abuse



Improve Abuse Reporting



MAP Data

- Internet Security
- Brand Protection
- LEA / Consumer Protection

Internet Users

nb NETBEACON
REPORTER

API /
Webform

Evidence
standards

Report
enrichment

Web Hosts and CDNs

All ICANN Accredited
Domain Registrars

Participating Domain
Registries

Feedback &
Monitoring

NetBeacon Reporter

- NetBeacon Reporter sends **tens of thousands** of malicious domain abuse reports to hosts, registrars, and participating ccTLDs every month
- These reports come from blocklists that we've cleaned, verified, and evidenced in MAP, as well as 3rd parties through Reporter
- Registrars and hosts tell us about inactionable reports & false positives

Key learnings from our operational experience



- Raw feeds, such as those used in other measurement projects, are woefully insufficient for mitigation
- The path from 'suspicious name' to 'actionable abuse report' is long and challenging
- Abuse in an email, but without a website is exceptionally difficult to evidence
- Reporters have had insufficient feedback, and are unaware of reporting standards or unwilling to adopt them

Summary

- NetBeacon Reporter facilitates the disruption of tens of thousands of malicious domain names every month, for free
- A domain name on a block list is not in and of itself actionable
- Registrars **DO** mitigate well evidenced reports, and report quality, especially including **screenshots**, is the best predictor of mitigation
- Check our MAP project for insights on mitigation rates, and stay tuned as we work towards greater transparency in our data
- Effective disruption at scale is happening now, but it depends on collaboration between stakeholders, and quality evidenced reports