

**ICANN**

**VIRTUAL ANNUAL GENERAL**

**69**

# Open Data Platform Update: Business Constituency Open Meeting 15 October 2020



**Sally Newell Cohen**  
Senior Vice President, Global Communications

# Open Data Platform Goals

- ⦿ Increase transparency and improve accessibility & availability of data.
- ⦿ Strengthen ICANN org's procedures, processes, and standards for improved data usability.
- ⦿ Enhance the community's ability to understand and utilize the data published.
- ⦿ The data on the platform will be:
  - Accessible and usable
  - Comparable and interoperable
  - Available to leverage for improved governance and community engagement
- ⦿ Registered users can search, browse, view, download, and analyze the data, according to the platform's terms and conditions and the license(s) applied to each dataset.
- ⦿ Registration also allows users to save customized analysis, receive notifications when selected datasets are updated, generate API keys, and view your API quota usage.



# Open Data Platform Dataset Availability

## What's Currently Available?

- ◎ 40 datasets
  - Domain Name Marketplace Indicators = 26
  - Identifier Technology Health Indicators = 1
  - Per-Registrar Transaction Reports = 12
  - Registry Functions Activity Reports = 1



# Open Data Platform Usage (March-October 2020)

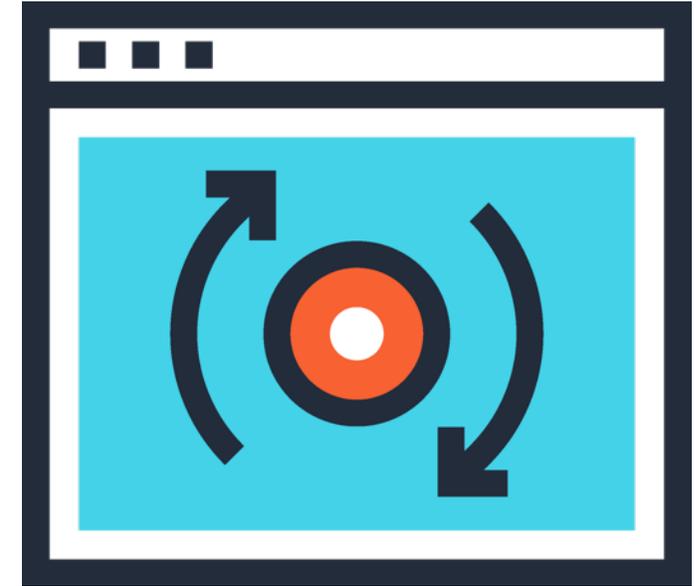
- ◉ 744 unique registered users
- ◉ over 30,000 API calls
- ◉ Top Five Datasets
  - Per-Registrar Transactions Report 2019
  - ITHI: DNS Root Traffic Analysis
  - Compound annual growth rate (CAGR) of number of domains (by TLD category)
  - Registry Functions Activity Report
  - Per-Registrar Transactions Report 2020



# Open Data Platform Updates Since March 2020 Launch

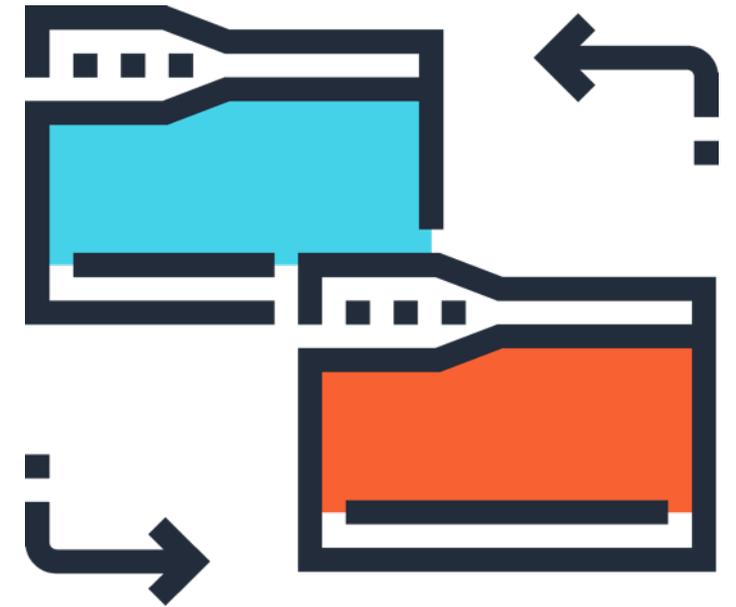
## May 2020: Update to Domain Name Marketplace Indicators

- Seven new indicators were made available:
  - Number of IDN second-level domains in gTLDs and ccTLDs
  - Net change in IDN second-level domains in gTLDs and ccTLDs
  - Compound annual growth rate (CAGR) of IDN second-level domains in gTLDs and ccTLDs
  - Percentage of gTLD registry operator and registrar websites with domain name registration terms and conditions in multiple languages
  - Percentage of gTLD registrar websites offering multiple payment methods for domain name registrations
  - Number of UDRP complaints and percentage of UDRP complaints decided against registrants
  - Number of URS complaints and percentage of URS complaints decided against registrants



## Current Effort: Registry Functions Activity Reports Improvement

- ◉ Some files were not in the standard structure to align with the platform.
- ◉ Bug fix required to standardize the files.
- ◉ Expected release November 2020.



# Open Data Platform Budget and Resources

- Annual platform license fee and support: \$100k.
  - Includes minor customization implementation for specific ICANN needs.
- Using existing ICANN org development, legal, project and product management, and communications resources to oversee and update the platform with new datasets.
  - In July 2020, with the ICANN org reorganization, the Communications team assumed responsibility for the Open Data Platform from the Operations team.
  - The Operations team's functions have been dispersed to Finance, Global Domains Strategy (GDS), and Communications.
  - With this org change, the Communications team, working with the Engineering & Information Technology (E&IT), Legal, and the Office of the Chief Technology Officer (OCTO) teams, is evaluating the resources required and project plan to maintain the platform and add more datasets.

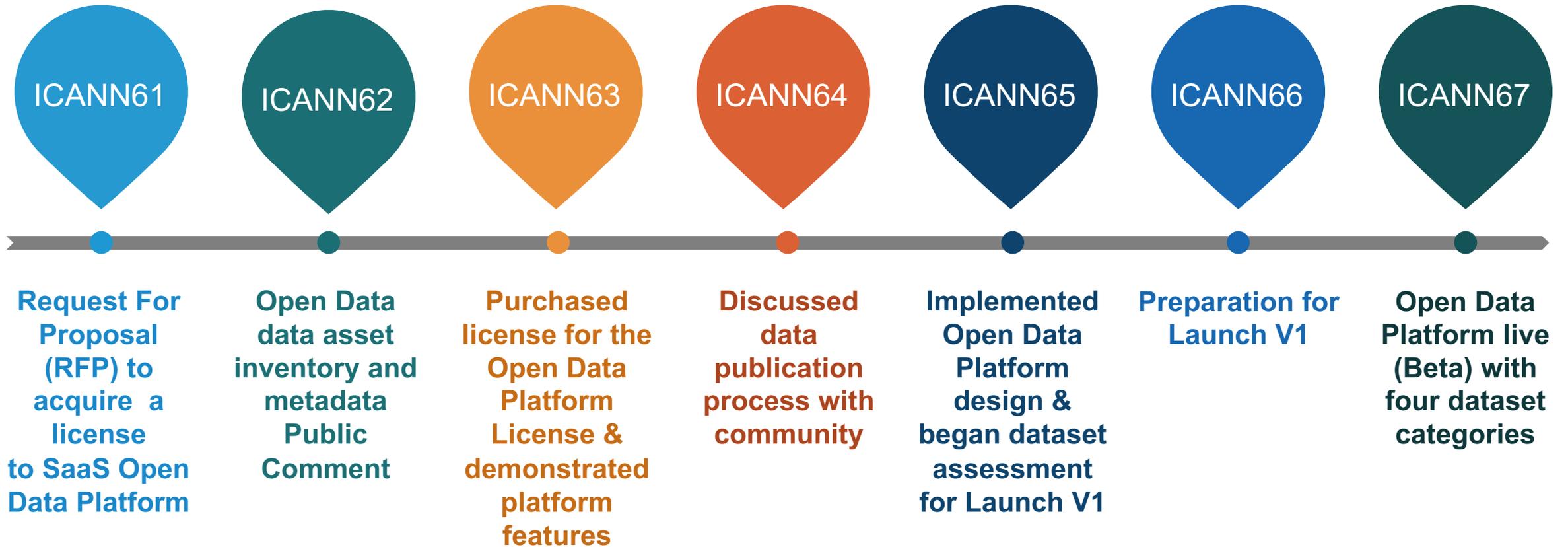


# Next Steps

- Complete work on Registry Functions Activity Reports bug fix.
- Complete planning and prioritizing work on next datasets to be made available on platform
  - Work with OCTO on next ITHI datasets
    - M1: Inaccuracy of WHOIS Data
    - **M2: Domain Name Abuse (available)**
    - M3: DNS Root Traffic Analysis
    - M4: DNS Recursive Server Analysis
    - M5: Recursive Resolver Integrity
    - M6: IANA registries for DNS parameters
    - M7: DNSSEC Deployment
    - M8: DNS Authoritative Servers Analysis
  - Update project plan and complete resources assessment.



# ICANN's Open Data Platform Milestones



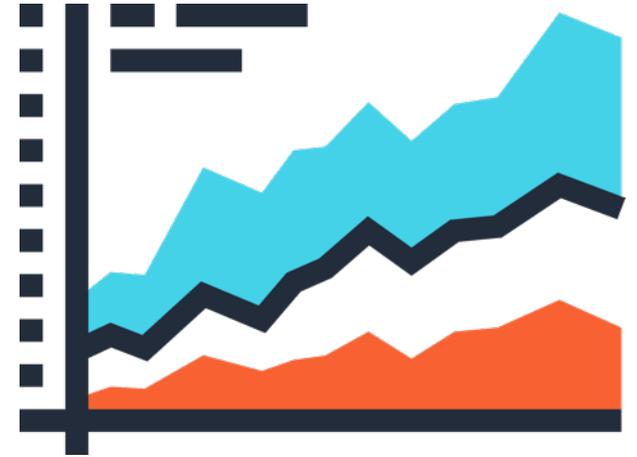
# Open Data Set Features

- ⦿ Charts page
  - With the Chart builder tool, you can visualize multiple datasets on a single customized chart.
  - Compare to the Analyze tab on a dataset page, this page will give you more options, such as combining different datasets.
- ⦿ API page
  - The API (Application Programming Interface) is an interface for programs to communicate and exchange data.
- ⦿ Please visit the About page and Help page for more information and available resources.



# Domain Name Marketplace Indicators

- The Domain Name Marketplace Indicators presents statistics pertaining to the marketplace for generic top-level domains (gTLDs) and country code top-level domains (ccTLDs).
- ICANN org collaborated with a community Advisory Panel to develop relevant indicator schema and taxonomy.
- ICANN org has released 2 refreshes so far, which are available on [icann.org](https://icann.org) in Excel sheet format. These indicators are updated twice a year.
- Transitioning from Excel sheet on [icann.org](https://icann.org) to Open Data Platform not only provides users ability to refine the data with search and filter functionality, but also the opportunity to visualize data and tell their stories.



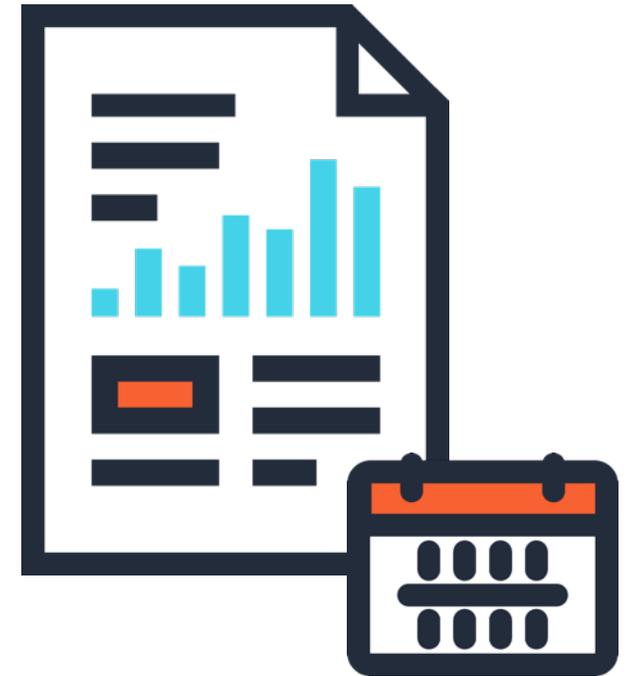
# Identifier Technology Health Indicator (ITHI)

- In 2017, ICANN started the project to monitor the health of the registered identifiers ecosystem through a set of Identifier Technology Health Indicators (ITHI) or ITHI Metrics. The eight metrics (indicators) along with its detailed data can be seen on the site <https://ithi.research.icann.org>.
- Metrics 3 (M3) – DNS Root Traffic Analysis is published via Launch V1.
- The move of this metric (ITHI M3) to the Open Data Platform will enable users to access all historical data and timely update with new data. Today, data published on ITHI site is a snapshot of past 3 months; however, in Open Data Platform, it includes monthly data beginning of Jan 2018, and data will be modified every month with additional monthly data.
- ICANN org will continue maintaining the ITHI site in parallel with publishing data on Open Data Platform.



# Monthly Registry Reporting

- Registry Functions Activity Reports and Per-Registrar Transaction Reports are submitted to ICANN as part of contractual obligations.
- Both reports are currently published on [icann.org](https://icann.org).
- Both reports are not published until three months after the end of the month to which the report relates.
- Moving both reports from icann.org to Open Data Platform made the data easier to consume. E.g. the Per-Registrar Transaction Report structured by year contains approximately 1 million records (# of rows), users can consume all TLD transactions data of 12 months by accessing 1 dataset.
- The data will continue to be available in its current format on icann.org until 2021 (date TBA).



# Engage with ICANN – Thank You and Questions



One World, One Internet

Visit us at [icann.org](https://icann.org)



[@icann](https://twitter.com/icann)



[linkedin/company/icann](https://linkedin/company/icann)



[facebook.com/icannorg](https://facebook.com/icannorg)



[soundcloud/icann](https://soundcloud/icann)



[youtube.com/icannnews](https://youtube.com/icannnews)



[instagram.com/icannorg](https://instagram.com/icannorg)



[flickr.com/icann](https://flickr.com/icann)