

**(APNIC ISIF Project)**

**An Extension of the Ongoing Project  
“Developing a Collaborative BGP Routing Analyzing  
and Diagnosing Platform” Project**

**Coordination Committee Report**

**Tsinghua University**

**April 8, 2024**



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# Projects

## Development

- **Previous Project: Joint Research on IPv6 Network Management: Research Development and Demonstration**
- June 2020 – May 2023
- Funded by National Key Research and Development Program of China
- Development of the BGPWatch and Looking Glass platforms
- Collaborations with international research institutions and universities

## Improvement

- **Previous Project: Developing a Collaborative BGP Routing Analyzing and Diagnosing Platform**
- Feb. 2022 – Aug. 2023
- Co-founded by APNIC Foundation and Tsinghua University
- Continuous improvement of platforms
- Partnerships and collaborations with NRENs across the Asia Pacific region

## Enhancement

- **Current Project: An Extension of the Ongoing Project “Developing a Collaborative BGP Routing Analyzing and Diagnosing Platform”**
- Dec. 2023 – June. 2025
- Co-founded by APNIC Foundation and Tsinghua University
- Enhancement of features and functionalities on platforms
- Partnerships with worldwide NRENs, institutions and organizations for international collaborations

# Previous Activity – 1

- **APAN57**
- 1/29-2/3/2024, Thailand



- Hosted 3 sessions
  1. Theory Training on BGPWatch: BGP Events Monitoring and Diagnosing Platform
  2. Hands-on Training on BGPWatch: BGP Events Monitoring and Diagnosing Platform
  3. Presentations on BGP Security Research
- Over 30 attendees joined for each of sessions
- Sponsored 7 project members from 6 partner organizations with registration fee

# Previous Activity – 2

- **APRICOT2024**
- 2/21-3/1/2024, Thailand



- **Presentation**

1. Developing a Collaborative BGP Routing Analyzing and Diagnosing Platform

Abstract: The presentation outlined the background and primary objectives of the project, explained BGP hijacking detection algorithm, and demonstrated the functions of the platform, including BGP prefix hijack detection, route path hijack detection, and increased event accuracy through data-plane detection. Moreover, future steps regarding the CGTF Looking Glass platform were shared during the presentation.

- Over 80 attendees joined for each of sessions

# Outreaching



- **Catchpoint**

- Commercial company in America, provides Internet performance monitoring services to increase network resiliency



- **Rede Nacional de Ensino e Pesquisa (RNP)**

- Brazilian network for education and research



- **Cooperación Latino Americana de Redes Avanzadas (RedCLARA)**

- Contribute to the development of science, education, technology and innovation in Latin America and the Caribbean through the articulation, connection and strengthening of their national research and education networks



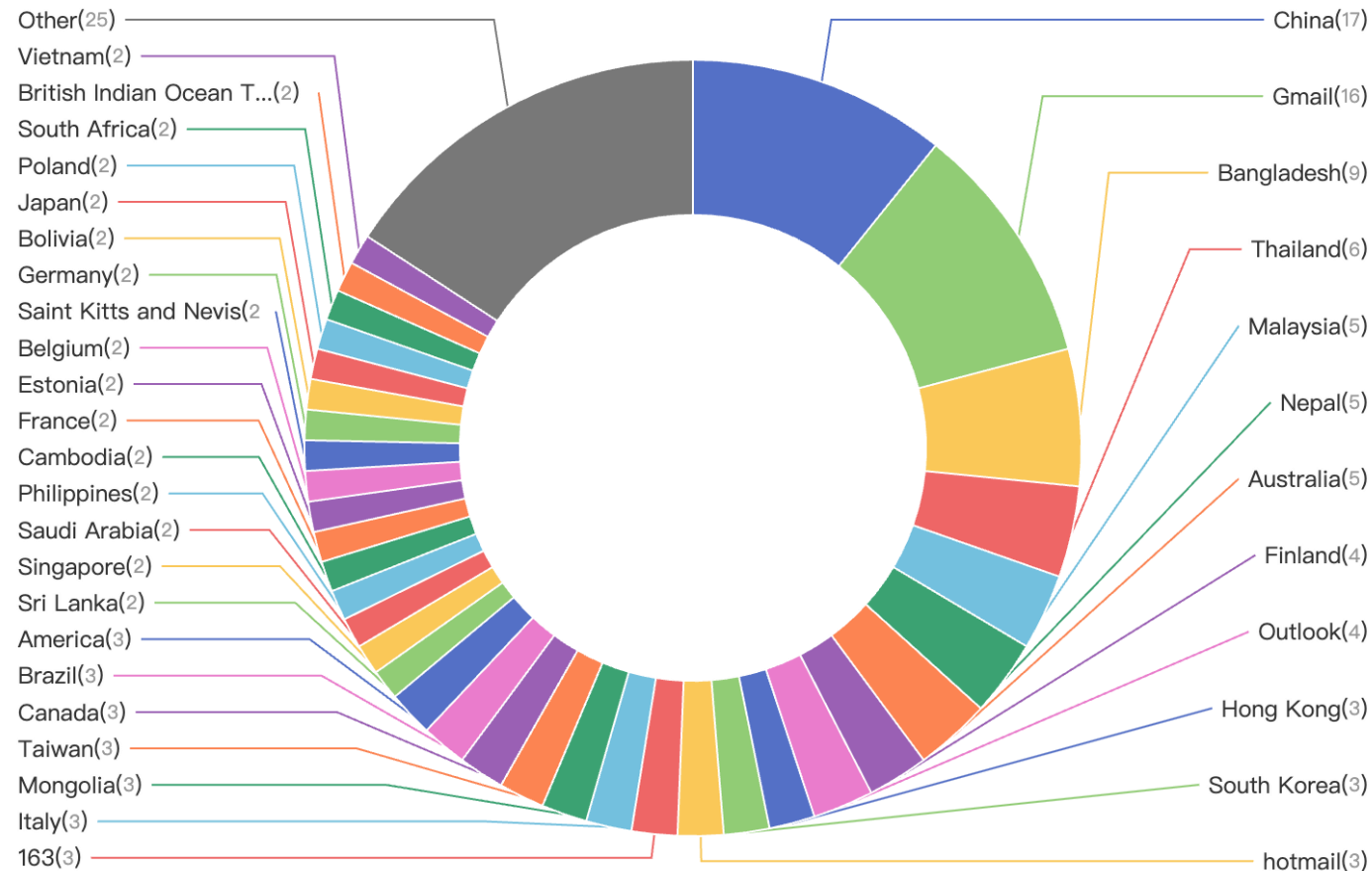
- **ErdemNet**

- Mongolian national research and education network



# Current BGPWatch User Distribution

- According to the email information, grouped by economy and email provider
- Totally 121 users, from 30 economies



# Funding Status

## Consolidated Budget

	ISIF Asia Grant	Applicant's in-kind contribution	Remarks
International Engagement/Community Engagement	33,000		The costs associated with training and professional development for the staff project team.
Staff Mentoring and Training	15,000		This covers the training fees of project team staffs and engineers.
Support Services Fees	37,000		This cost is related to hosting, translation, office supplies, tax, administration fee, website, and so forth.
Human Resources of Project Coordination Committee/Technical Support/Secretariat		65,000	The cost of human resources from Tsinghua University for the work of Co-PI, Project Coordination Committee/Technical Committee/Secretariat in this project.
<b>Total</b>	<b>85,000</b>	<b>65,000</b>	



# Next Steps

- Bilateral meetings
  - Plan to have more communications with new partners
  - Feel free to contact with us if you have any questions or suggestions
- Explore more international collaborations
- Presentation at TNC24 in June

**Thank you.**