

(APNIC ISIF Project)

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

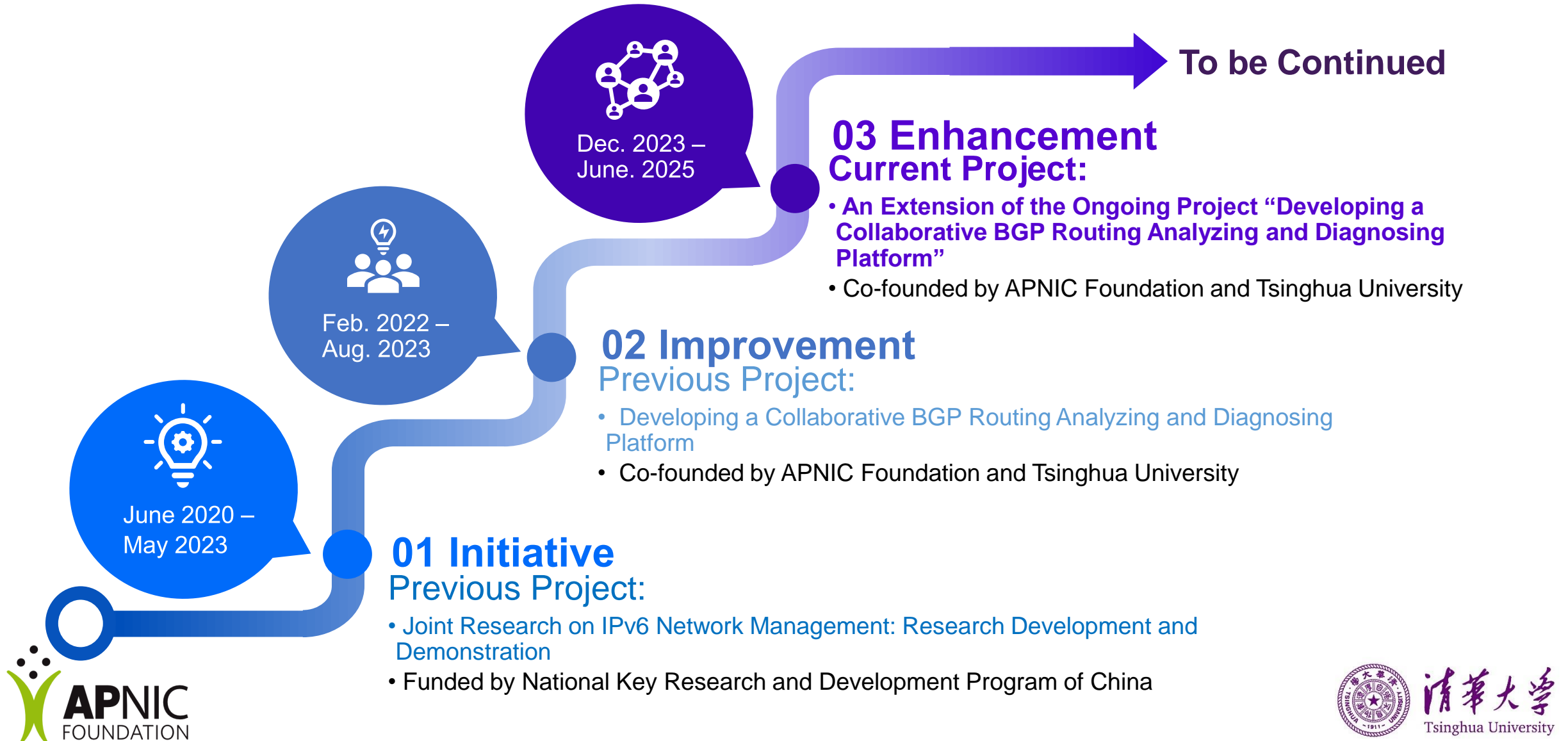
**Coordination Report
Project Review**

**Tsinghua University
May 27, 2025**

Content

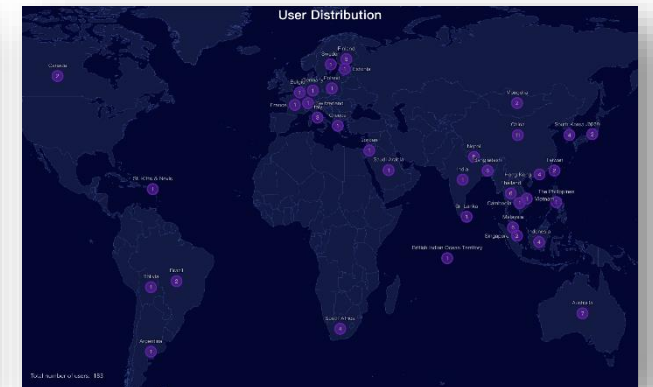
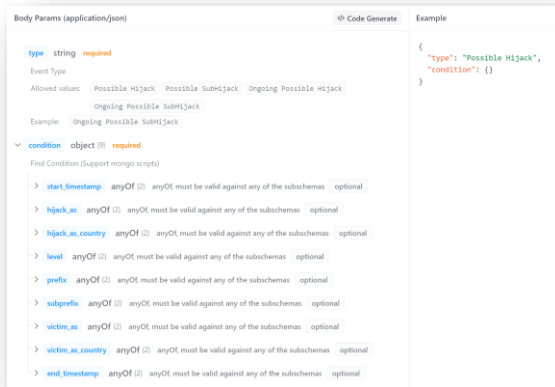
- **Project Activities**
- **Current BGPWatch User Distribution and Partners**
- **Funding Expenses**
- **Future Work**

Project's Background



Knowledge Sharing – Deliverables and Dissemination

Websites	Free access to the public	bgpwatch.cgtf.net	lg.cgtf.net
Open Source & Open API	Open to the public		
Manual Document & Video	Updated and provided platform demonstration		
Work Citation by	RIS data was cited by CAIDA		



Knowledge Sharing – Conference Presentations

1. APAN57

- 1/29-2/3/2024, Thailand
- Hosted 3 sessions
- Over 100 attendees joined
- Sponsored 7 partners



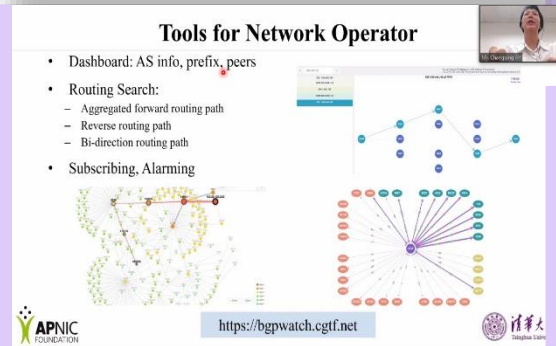
2. APRICOT2024

- 2/21-3/1/2024, Thailand
- Presentation on BGPWatch
- Over 80 attendees joined



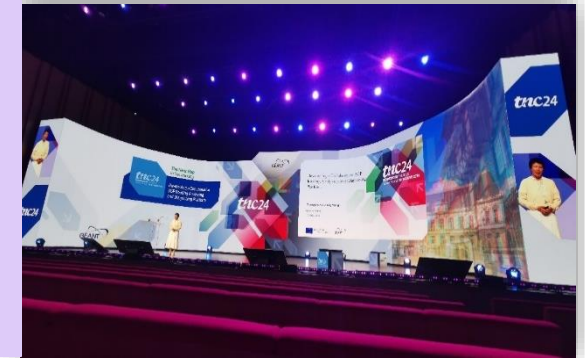
3. APNIC Webinar

- 5/22/2024
- Online Webinar
- 124 attendees joined



4. TNC24

- 6/10-6/14/2024, France
- Presentation on BGPWatch
- Over 100 attendees joined



5. APAN59

- 3/3-3/7/2025, Japan
- Updates on BGPWatch
- Sponsored 3 partners shared
- Over 30 attendees joined



Outreaching

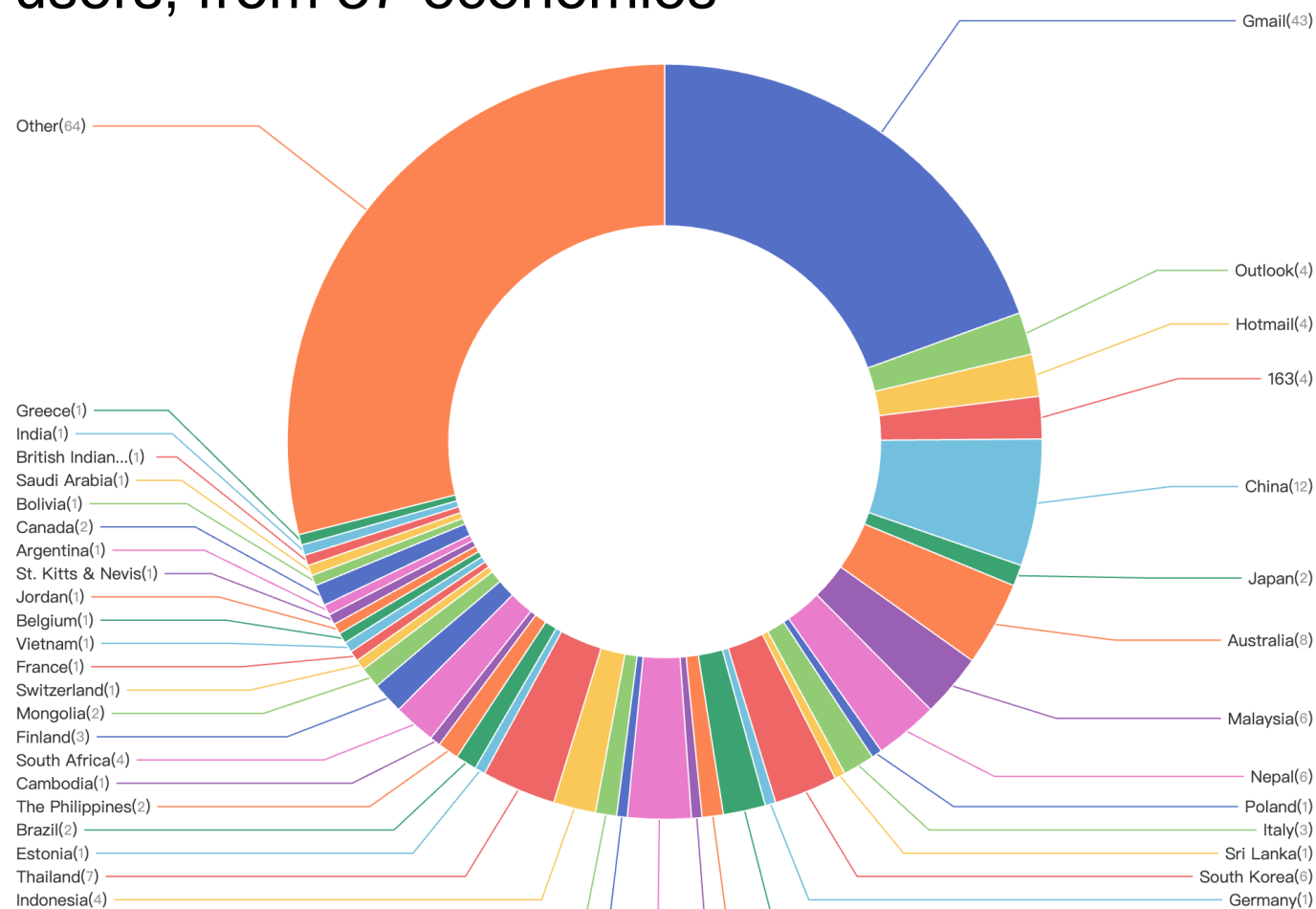


- **ErdemNET**
 - Mongolian national research and education network
- **Rede Nacional de Ensino e Pesquisa (RNP)**
 - Brazilian network for education and research
- **Cooperación Latino Americana de Redes Avanzadas (RedCLARA)**
 - Contribute to the development of science, education, technology and innovation in Latin America and the Caribbean through the articulation, connection and strengthening of their national research and education networks
- **South African National Research Network (SANReN)**
 - The South African National Research Network (SANReN) is a high-speed network dedicated to science, research, education and innovation traffic and has been rolled-out in a phased manner.



Current BGPWatch User Distribution

- According to the email information, grouped by economy and email provider
- Totally 221 users, from 37 economies



Funding Status

		ISIF Asia Grant Grant	Tsinghua in-kind Contribution	ISIF Asia Grant Expenses	Balance
International Engagement/Community Engagement	The costs associated with training and professional development for the staff project team.	\$33,000		\$29,888.01	\$3,111.99
Capacity and Professional Development	This covers the training fees of project team staffs and engineers.	\$15,000		\$14,002.68	\$997.32
Support Services Fee	This cost is related to hosting, translation, office supplies, tax, administration fee, website, etc.	\$37,000		\$37,762.36	-\$762.36
Human Resources of Project Coordination Committee/ Technical Support/ Secretariat	The cost of human resources from Tsinghua University for the work of Project Coordination Committee/Technical Committee/Secretariat.		\$65,000		\$0
Total		\$85,000	\$65,000	\$67,430.72	\$3,346.95

Partners



Asia:



APAN-JP



BDREN



Joint Universities Computer Centre Ltd
大學聯合電腦中心

HARNET



ITB



KREONET



LEARN



DOST-ASTI



MYREN



NREN



PERN



SINGAREN



ThaiREN



ERNET



Oceania:



AARNET



REANNZ



America:



TransPAC



Europe:



UNIVERSITY OF
SURREY

University of
Surrey



GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

University of
Göttingen



New:



America:



RedCLARA



RNP



Africa:



SANReN



Asia:



KAUST



ErdemNET



清华大学
Tsinghua University

New Project Applied

- APNIC grant application under review
- **Learning fine-grained interdomain routing policy in BGP through AI**
- Identifying alternative routes to a destination and determining which alternative to choose during routing failures is a problem that has been brought up by operators and is crucial
- Co-leads:
 - Jilong Wang, CERNET/Tsinghua University
 - Chalermopol Charnsripinyo, NECTEC/ThaiREN
 - Mohammad Tawrit, BdREN

- Steering Committee:

Alex Moura	KAUST	Lochan Lal Amatya	NREN
Basuki Suhardiman	ITB	Nanjidjams Jigjidsuren	ErdemNET
Buseung Cho	KISTI	Wai Man Cheung	JUCC
Fabio Okamura	RNP	Waqas Masood	PERN
Franz A. de Leon	DOST-ASTI	Warrick Mitchell	AARNET

- Always open for more partners to join

Future Work

- **APAN60**

- July 28 – Aug. 1, 2025, Hong Kong, China
- Our session scheduled on 1:30pm – 3pm, Wednesday, July 30
- Project conclusion review
- Project reflection and insights from partners
- Project participation certificates



Technology Award Application

- On **internet measurement** and **international cyberspace mapping**
 - Emailed about the support letter needed from our partners.
 - An example was provided, and have received few letters.
 - **Format**: Please use official letterhead with a signature from your institution.
 - **Preferred Timeline**: **13/6/2025**
- **Project Overview**: Key objectives, international collaboration framework, and milestones achieved.
- **Technical Contributions**: Specific innovations or breakthroughs enabled by your team's expertise.
- **Global Impact**: The platform's global influence (e.g., industry applications).
- **Team Leadership**: Brief evaluation of our team's leadership and collaborative capabilities.

Your Support Letter Matters!

Attachment: Sample Support Letter

[Partner Institution Letterhead]

[Date]

To: The Evaluation Committee,

Subject: Letter of Support for [BGPWatch, International Cyberspace Mapping]

Dear Committee Members,

We are pleased to endorse the nomination of Tsinghua University for the Technology Award in recognition of their exceptional contributions to network measurement and international cyberspace mapping.

As a collaborator since [year], [Partner Institution] has closely worked with Tsinghua University to develop our projects, which [briefly describe purpose, e.g., "addresses critical challenges in international cyberspace mapping"]. Key achievements include:

- Technical Advancements: [Example: "BGPWatch platform provides us with a wonderful support on our daily network measurement, cyberspace mapping, monitoring..."].
- Global Impact: [Example: "Operated by [X] researchers, network engineers, adopted by [X] institutions worldwide, solved [what kinds of network problems]"].
- Team Leadership: [Example: Tsinghua University's team demonstrated remarkable expertise in coordinating multinational efforts, fostering open innovation, and advanced knowledge sharing].

We firmly believe this project aligns with the award's mission to recognize transformative scientific endeavors. Please do not hesitate to contact us for further details.

Sincerely,

[Name]

[Title]

[Partner Institution]

[Email/Phone]

Thank you.