

The Report of the Coordination Committee

- APNIC BGP Project

(supported by APNIC ISIF Grant)

May 10, 2022

Outline

- **Partnership update**
- **The outcome of all bilateral meetings**
- **The Coordination Committee, Technical Committee and Project Executive Team**
- **Project governance and team responsibilities**
- **Suggestions from bilateral meetings**
- **Proposed activity plan and timeline**
- **Future Coordination Committee meetings**
- **Technical Committee update**

Project Information

- **Name:** Developing a Collaborative BGP Routing, Analyzing and Diagnosing Platform
- **Date:** Feb.24, 2022 – Aug.23, 2023 (18 months)
- **Co-PI:** Jilong Wang (CERNET)
Chalernpol Charnsripinyo (ThaiREN)
Simon Green (SingAREN)
- **Funding:**
 - USD\$150,000 (APNIC Foundation)
 - USD\$69,660 (in-kind contribution from Tsinghua Univ., China)
- **Objectives**
 - Build a collaborative community for enhancing the capacity of NRENs' network operation and measurement
 - Establish a distributed BGP routing monitoring platform and a looking glass platform in the Asia-Pacific region
 - Deploy a BGP hijacking detection and mitigation system and analyze the robustness of routing in the Asia-Pacific region
 - Share knowledge and experience globally

Partnership Updates

- **19 Partner Organizations** (listed alphabetically)
 - AARNET(AU)
 - APAN-JP(JP)
 - BdREN(BD)
 - CERNET(CN)
 - PREGINET(PH)
 - ERNET(IN)
 - Gottingen University(DE)
 - HARNET(JUCC, HK)
 - ITB(ID)
 - KREONET(KR)
 - LEARN(LK)
 - MYREN(MY)
 - NREN(NP)
 - PERN(PK)
 - REANNZ(NZ)
 - SingAREN(SG)
 - Surrey University(UK)
 - ThaiREN(TH)
 - TransPAC (US, APAN/GNA-G Routing WG)
- **Keep open till June, 2023**

Bilateral Meeting Outcomes

- Exchanging information and experiences
- Confirming the participation and representatives in Coordination Committee and Technical Committee
- Discussing the governance structure
- Discussing the roles and responsibilities
- Suggestions

The Coordination Committee

coordination@bgper.net

- **Co-Chairs**

- Jilong Wang (CERNET)
- Shinji Shimojo (APAN-JP)
- Francis Lee (SingAREN)

- **Members:**

- AARNET: David Wilde
- CERNET team: Jie An, Changqing An, Xiaohong Huang
- BdREN: Mohammad Tawrit
- PREGINET: Bayani Lara
- ERNET: Paventhan Arumugam
- Gottingen University: Xiaoming Fu

The Coordination Committee(Cont'd)

coordination@bgper.net

- **Members:**

- **HARNET/JUCC:** Wai Man Cheung
- **ITB:** Basuki Suhardiman
- **KREONET:** Buseung Cho
- **LEARN:** Roshan Ragel
- **MYREN:** Mohd Noh Jasmani
- **PERN:** Kamran Abid
- **REANNZ:** Culley Angus
- **Surrey University:** Ning Wang
- **ThaiREN:** Chalernpol Charnsripinyo
- **TransPAC:** Hans Addleman

The Technical Committee

technical@bgper.net

- **Co-Chairs**

- Changqing An (CERNET)
- Chalermpol Charnsripinyo(ThaiREN)
- Simon Green (SingAREN)

- **Members**

- **AARNET:** Warrick Mitchell
- **APAN-JP:** Takatoshi Ikeda, Hirotaka Sato, Jian Ma
- **CERNET:** Zhonghui Li, Xiaohong Huang, Hui Hao, Jie An
- **BdREN:** Md. Ariful Islam Arman, Abu Naser Md. Nafew, Md. Ariful Islam, Jamilur Rahman, Shamim Ahmed, Kamrul Hasan Shakil, Md. Sajidul Islam
- **PREGINET:** Bayani Lara, Jaros Lacerna, Mark Quilala
- **ERNET:** Hari Krishna Atluri

The Technical Committee (cont'd)

technical@bgper.net

- **Members:**

- **Gottingen University:** Xiaoming Fu
- **HARNET/JUCC:** David Choi, KW Pong, Wai Man Cheung
- **ITB:** Gulam
- **KREONET:** Chanjin Park, Seongjin Park, Buseung Cho
- **LEARN:** Dhammika Lalantha
- **MYREN:** Hafizi Jalil, Mohd Noh Jasmani
- **PERN:** Yahya Khan
- **REANNZ:** Yeshaswini Ramesh, Dylan Hall
- **Surrey University:** Ning Wang
- **ThaiREN:** Sittichai Sangdee, Kriangsak Lekdee
- **TransPAC:** Brenna Meade

Project Executive Team

- **Team leaders**

- Jie An (CERNET), Changqing An(CERNET)

- **Members (currently 10 members)**

- **Chinese team will take the most responsibilities:**

- Zhonghui Li, Bei Zhang, Hui Hao, Zhiyan Zheng, Weiqi Zhao, Linmei Zu, Chengwan Zhang, Zhiquan Wang, Zidong Pei, Hang Zhao

- We welcome any contribution from other NREN partners

- **Responsibility**

- Coordination between the committees and partners
- Programmer work of the platform development
- Engineering collaboration
- Coordination between technical and engineering teams
- Project Management
- Project Secretariat

Project Governance



Distribution of Responsibilities

	Who	Responsibility	Meetings
Coordination Committee	Representatives from all partner organizations	policy, strategy, project activity plan, monitoring project management and financial issues	quarterly meeting
Technical Committee	Representatives from all partner organizations	technical activity plan, technical discussion of project development and implementation, research paper/reports	monthly meeting
Project Executive Team	Programming, engineering, coordination and management, documentation, secretariat	service/platform program development, engineering collaboration, coordination of the committees and partners, and different teams, website and documentation, project management	bi-weekly meeting

Suggestions from Bilateral Meeting

- **Governance – to be finalized at the Coordination Committee**
 - Coordination Committee focusing on policy, strategy and monitoring the whole project process
 - Technical Committee focusing on technical activities
 - Project Executive Team focusing on the project operational works
- **Policy – to be finalized at the Coordination Committee**
 - Involvement of commercial ISPs?
 - Collaborating with APAN/GNA-G Routing WG
 - Sustainability (prototype/project scale)
 - Security concerns (to be discussed later by the Technical Committee)

Suggestions from Bilateral Meetings (cont'd)

- **Partners roles – to be finalized at the Coordination Committee**
 - Engineering, programing, research paper, technical reports, project reports, project management
 - What will the partners do in this project and what's the next step
- **Technical works – to be finalized at the Technical Committee**
 - To share problems and challenges is very important for building this collaborative platform to benefit our NRENs
 - Any possible solutions to integrate several related services into one system, and one dashboard with more functions, IP addresses?
 - More to be shared by the co-chair of the Technical Committee
- **Financial support**
 - As financial support is very limited, one seat financial support for one partner in each committee
 - Practically no limitation of representative numbers from one organization in the Committees

	Activity Plan	Tentative Timeline
1	Kick-off the project	Feb. 24 2022
2	Arranging bilateral meetings with all partner organizations Exchanging ideas and getting comments and suggestions on the project objectives and governance, coordination and management, roles of partner organizations and expectations.	Mar/Apr/May 2022
3	Setting up Coordination Committee and Technical Committee Setting up working mailing list, updating documents and arranging the first meetings of both committees	May. 2022
4	Setting up project website and updating regularly	May 2022
4	Service/platform development, implementation, demonstration and documentation (the detailed work plans and progress updates will be shared by the Technical Committee)	Apr. – Jul. 2023
5	The regular meetings of Coordination Committee (quarterly), Technical Committee (monthly) and Project Executive Team (bi-weekly)	Apr. 2022 – July. 2023
6	Online/offline project meetings (quarterly) and workshops at APAN meetings for information sharing and publicity to welcome more participation	Apr. 2022 – Jul. 2023
7	Deliver meeting presentations, technical documentation and periodic project reports on our website and via working emails	Aug. 2022 – Jul. 2023

Future Coordination Committee Meetings

- **Quarterly Meeting Schedule**

- August, 2022
- November, 2022
- February, 2023
- May, 2023
- August, 2023

Project Secretariat and Contact

- International Coordination
 - Ms Weiqi Zhao zhao-wq AT tsinghua.edu.cn
- Technical Contact:
 - Ms Linmei Zu zulinmei AT tsinghua.edu.cn

Updates of the Technical Committee