

(APNIC Project)

Developing a Collaborative BGP Routing Analyzing and Diagnosing Platform

--The Second Technical Committee Meeting

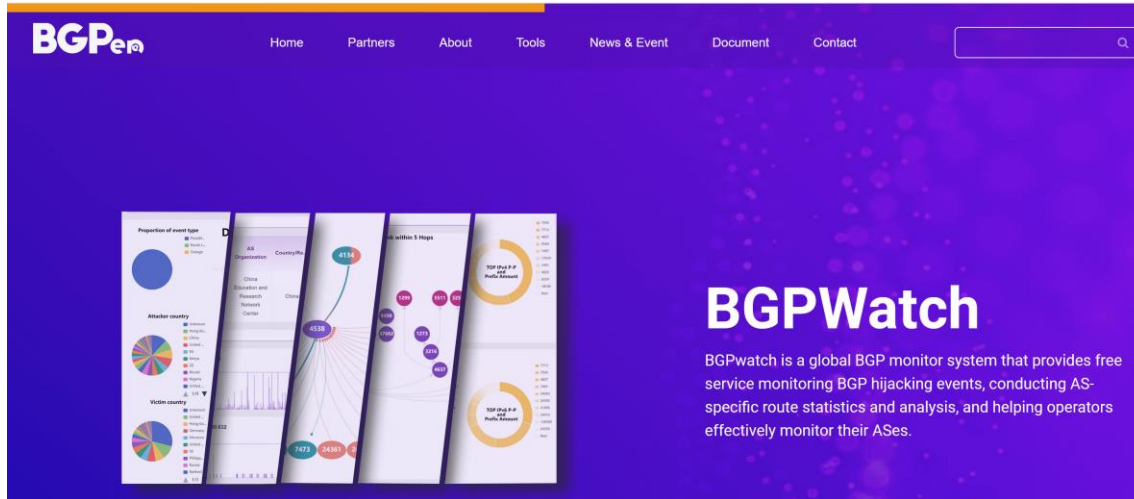
June 20, 2022

Outline

- **Project Progress**
 - Web site
 - BGP sharing
 - BGP platform
- **Next month plan**
- **Review overall work plan**
- **Comments/Suggestions**

Web Site

<https://bgper.net>



BGPWatch

BGPwatch is a global BGP monitor system that provides free service monitoring BGP hijacking events, conducting AS-specific route statistics and analysis, and helping operators effectively monitor their ASes.



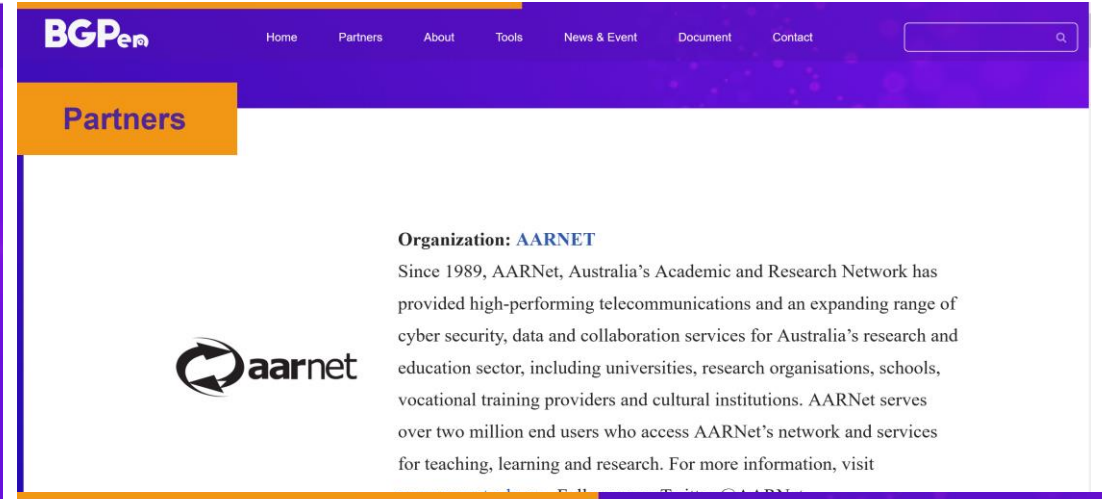
About

Developing a Collaborative BGP Routing Analyzing and Diagnosing Platform

Project Duration: Feb. 2022 – Jul. 2023

In early 2022, based on the support of [APNIC ISIF Asia Grant](#), Tsinghua University jointed with the NRENs and universities from 14 Asian and European countries started the project titled “Developing a Collaborative BGP Routing Analyzing and Diagnosing Platform”.

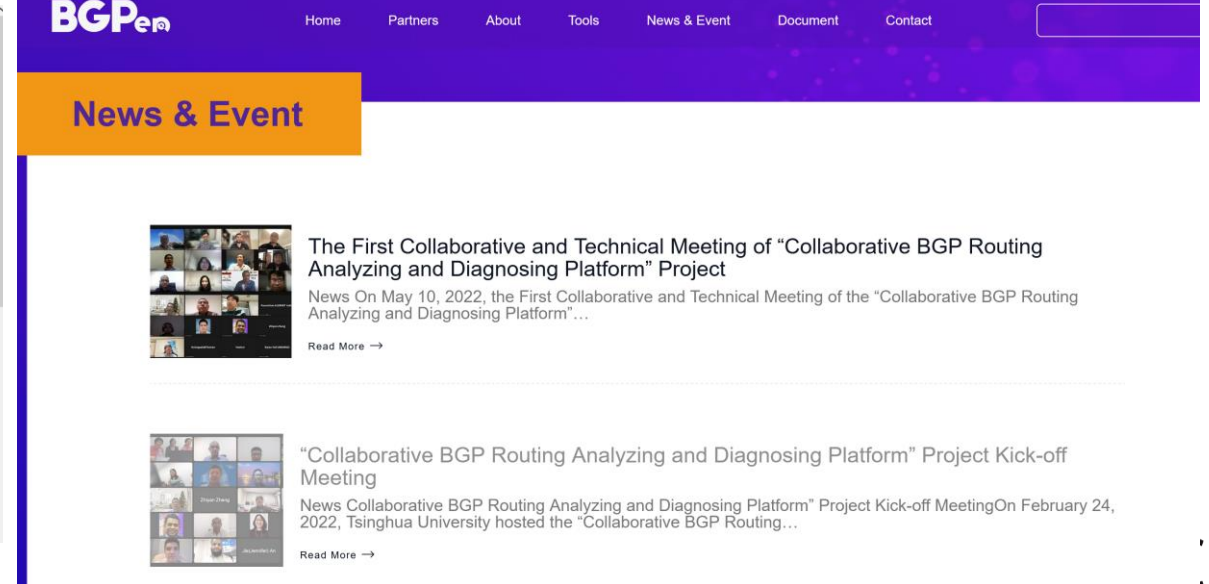
By June 2022, 20 organizations from 19 countries/economies in Asia Pacific Region and Europe had joined the project. The coordination committee, technical committee and secretariat mainly responsible for the implementation of project management and research collaboration. The project remains open and welcomes the joining of new partners.



Partners

Organization: AARNET

Since 1989, AARNet, Australia’s Academic and Research Network has provided high-performing telecommunications and an expanding range of cyber security, data and collaboration services for Australia’s research and education sector, including universities, research organisations, schools, vocational training providers and cultural institutions. AARNet serves over two million end users who access AARNet’s network and services for teaching, learning and research. For more information, visit [AARNet](#)



News & Event

The First Collaborative and Technical Meeting of “Collaborative BGP Routing Analyzing and Diagnosing Platform” Project

News On May 10, 2022, the First Collaborative and Technical Meeting of the “Collaborative BGP Routing Analyzing and Diagnosing Platform”...

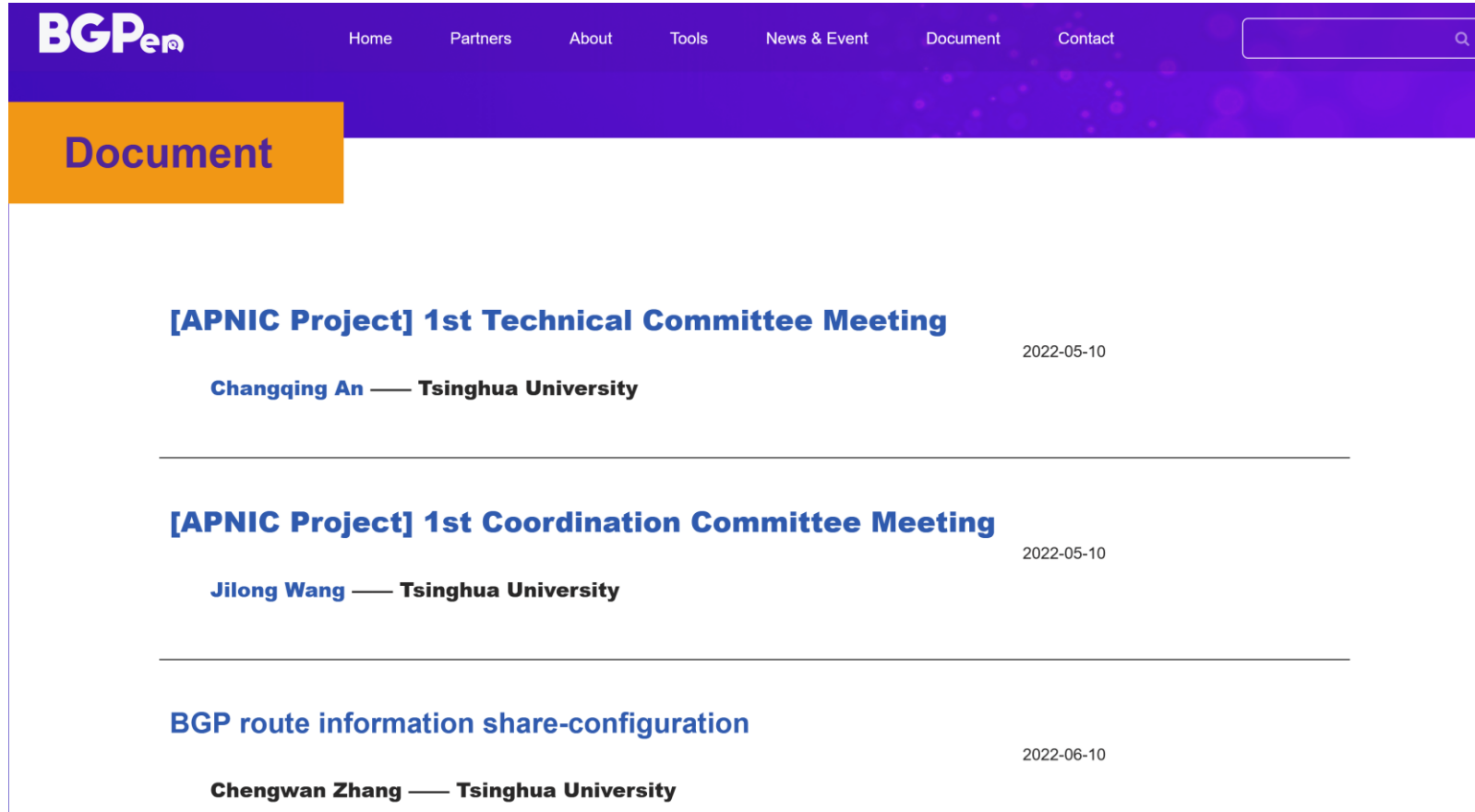
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“Collaborative BGP Routing Analyzing and Diagnosing Platform” Project Kick-off Meeting

News Collaborative BGP Routing Analyzing and Diagnosing Platform” Project Kick-off Meeting On February 24, 2022, Tsinghua University hosted the “Collaborative BGP Routing...

[Read More →](#)

BGP Route Information Sharing

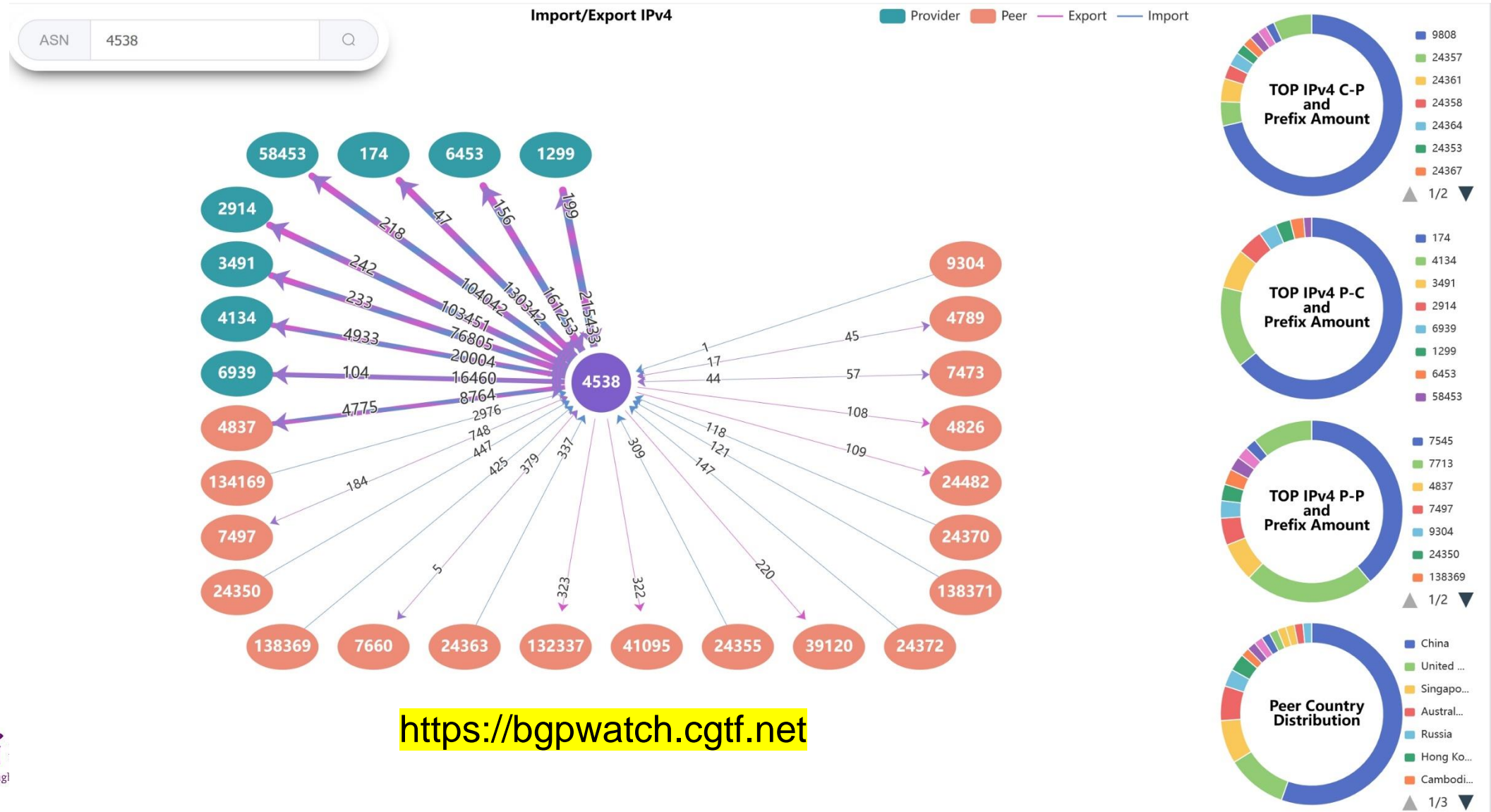


The screenshot shows the BGPper.net website with a purple header. The 'Document' tab is highlighted in orange. Below the header, there is a list of three documents, each separated by a horizontal line. The first document is titled '[APNIC Project] 1st Technical Committee Meeting' by Changqing An from Tsinghua University, dated 2022-05-10. The second is '[APNIC Project] 1st Coordination Committee Meeting' by Jilong Wang from Tsinghua University, also dated 2022-05-10. The third is 'BGP route information share-configuration' by Chengwan Zhang from Tsinghua University, dated 2022-06-10.

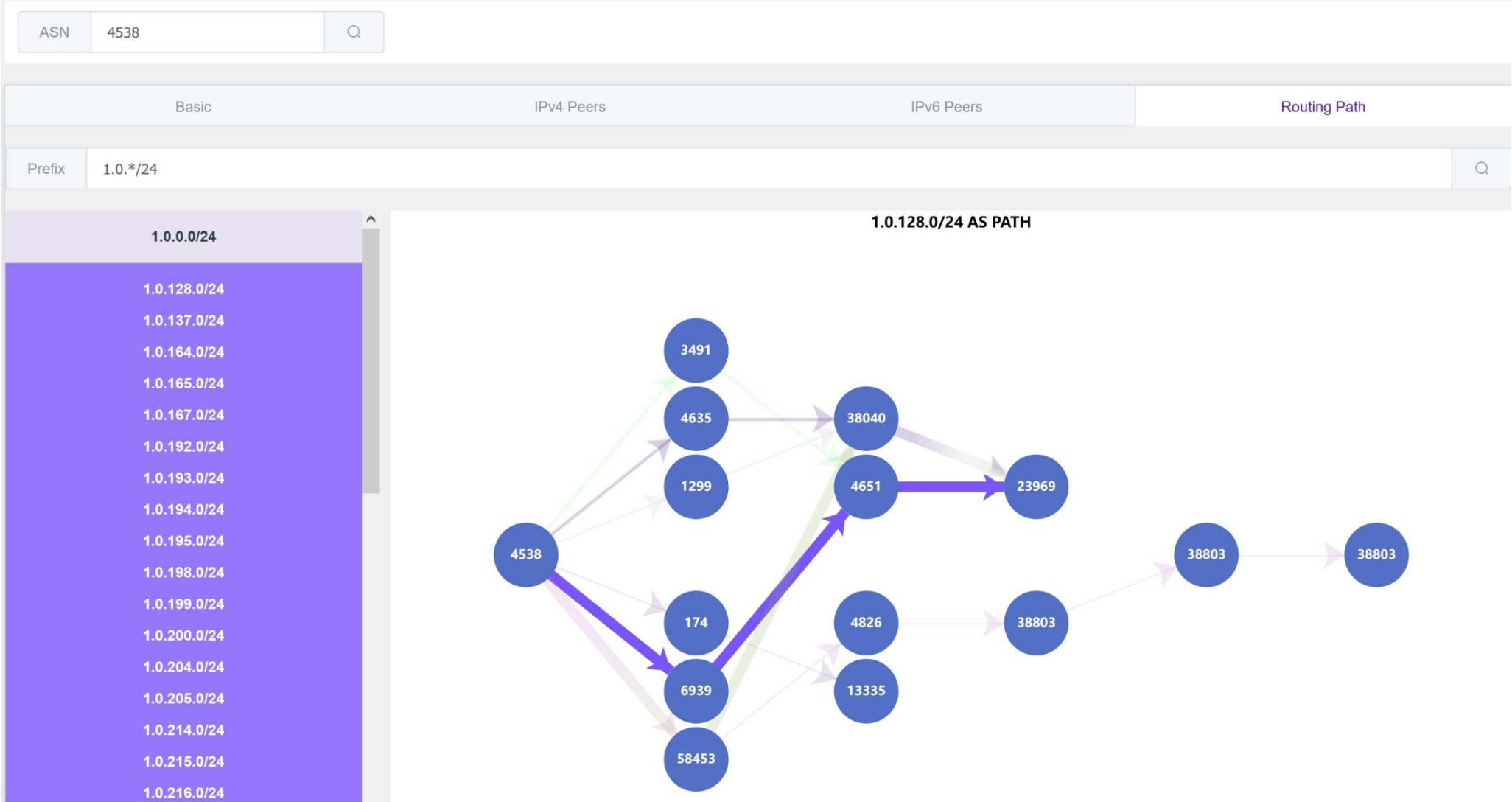
Document Title	Author	Date
[APNIC Project] 1st Technical Committee Meeting	Changqing An — Tsinghua University	2022-05-10
[APNIC Project] 1st Coordination Committee Meeting	Jilong Wang — Tsinghua University	2022-05-10
BGP route information share-configuration	Chengwan Zhang — Tsinghua University	2022-06-10

Manual can be accessed at
<https://www.bgper.net/index.php/document/>

IPv4/IPv6 Peers and Import/Export Prefix



Routing Path Search



Next Month Plan

- User Registration
- Partners can register for their AS , Prefix
- Send Alarm message to the victim

	Detailed Technical Committee Work Plan	Tentative Timeline
Timeline	Discussion on Timeline	May
Project Web Site	Requirements/Design	May
	Partner's information	May
	Setting up project website	May
BGP Routing Information Sharing	Requirements/Design(email, slack)	May-June
	Document info (How to implement, what partners need to do)	May-June
	Implement the peering (meeting, email, slack)	May-June
Looking Glass Platform	Requirements/Design(email, slack)	August
	Document info (How to implement, what partners need to do)	
	Implement the connection with LG platform(meeting, email, slack)	
Hijack Detection and Mitigation	Problem and requirement sharing (meeting, email, slack)	June
	Confirm first stage functions	July
	Iterative feedback & development	July 2022 – July 2023
Research	Discussion on research topic, paper, technical document	July 2022 – July 2023
Knowledge Sharing	Any topic partners interested in , e.g. Problems, RPKI, BGPSEC, MANRS	regularly



Todo List

	Detailed Technical Committee Work Plan	Tentative Timeline	Todo
BGP Routing Information Sharing	Document info (How to implement, what partners need to do)	June-July	Executive Team :send manual to partners, discuss with each partner, and implement the peering. Partners : setup peering.
	Implement the peering (meeting, email, slack)		
BGP Platform	Iterative feedback & development		Partners : Test new services Executive Team : Software Development

Comments/Suggestions

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