

Road Safety Genie

Harnessing AI to leverage
transport data for safer roads

Information Technology Department

INTERNAL. This information is accessible to ADB Management and staff. It may be shared outside ADB with approv

ADB



What we do at the AI and Big Data Team



ENABLE SAFE AND ETHICAL AI DEVELOPMENT AND USE

ADB ensures that AI is used in a safe and ethical manner in a secure, cloud-based testbed



COLLABORATE

ADB collaborates with governments, startups, researchers, and the private sector to harness knowledge and data to solve complex challenges together, with the help of AI



DEVELOP TAILOR-FIT SOLUTIONS

ADB works closely with stakeholders to co-create AI-powered solutions that are specifically tailored for specific contexts and priorities



SUPPORT END-TO-END AI DEVELOPMENT

Through innovation, partnerships, and responsible design, ADB supports AI development from ideation to delivery, including policy, technical, and design support

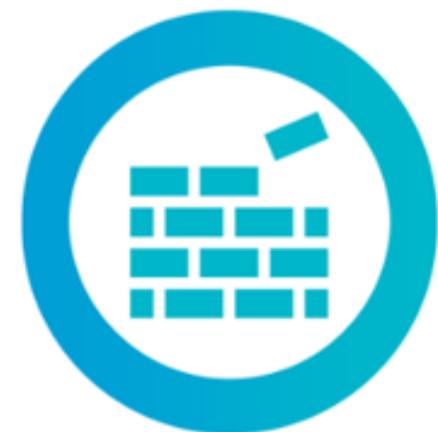


ALIGN WITH ADB'S BROADER KNOWLEDGE AND OPERATIONS

ADB's AI and big data initiatives are developed in alignment with other departments within the bank to support broader efforts in knowledge and operations

What is Genie?

Genie doesn't grant wishes. But it does produce insights gleaned from external and internal documents and sources across different sectors and contexts.



Built on a scalable AI and big data engineering platform



Powered by multiple large language models to provide users with different perspectives with just a single click



Leverages agentic AI and intelligent workflows



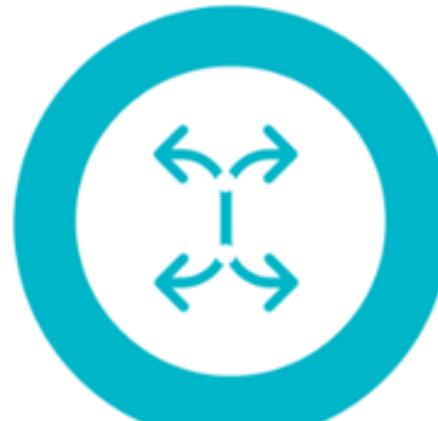
Underpinned by responsible AI principles

Issues with Road Safety Data

**DATA IS ABUNDANT,
BUT SCATTERED
ACROSS VARIOUS
SOURCES**



**LACK OF
INTEROPERABILITY
ACROSS SOURCES**

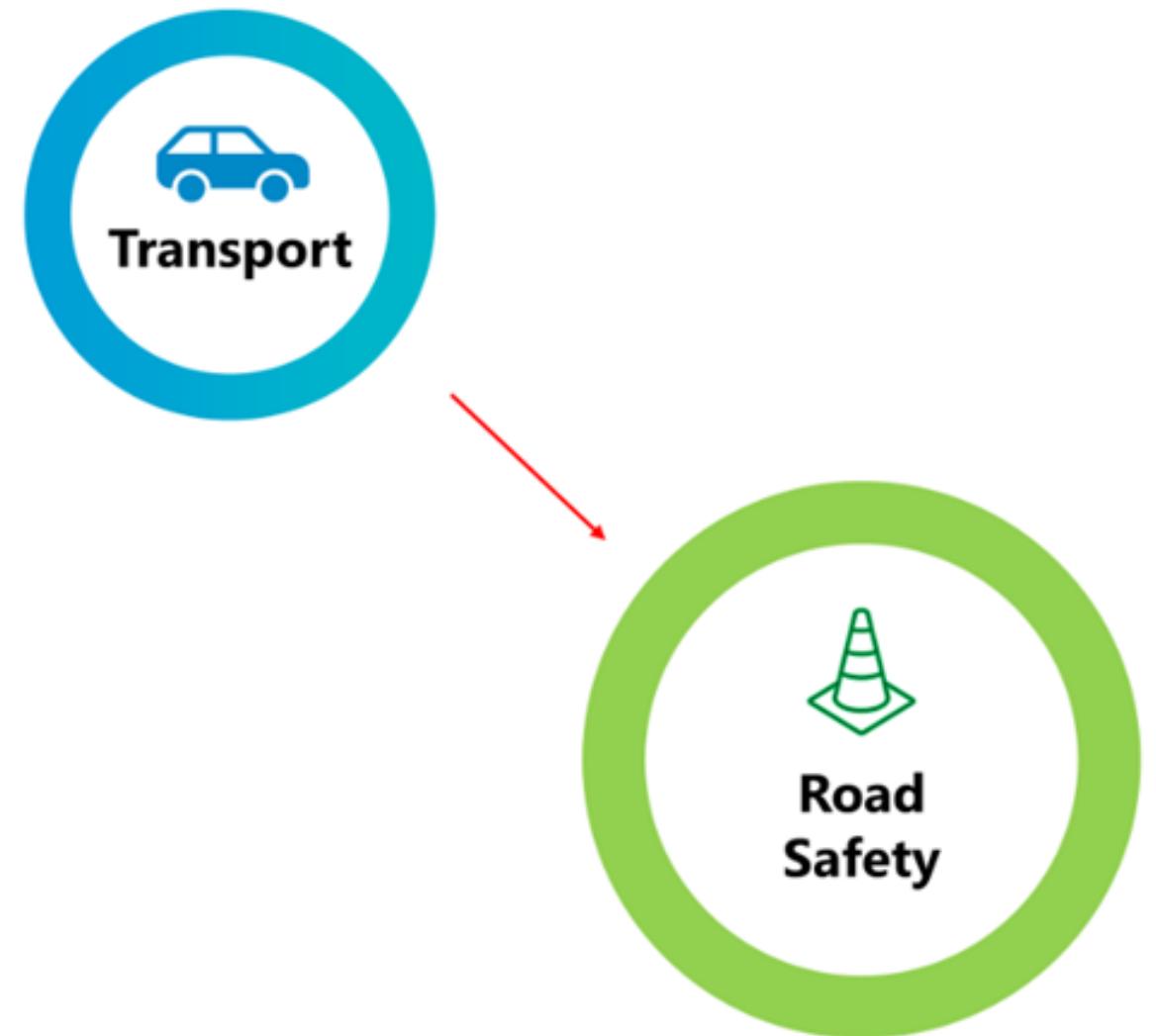


**SOME OF THE DATA
IS UNSTRUCTURED**



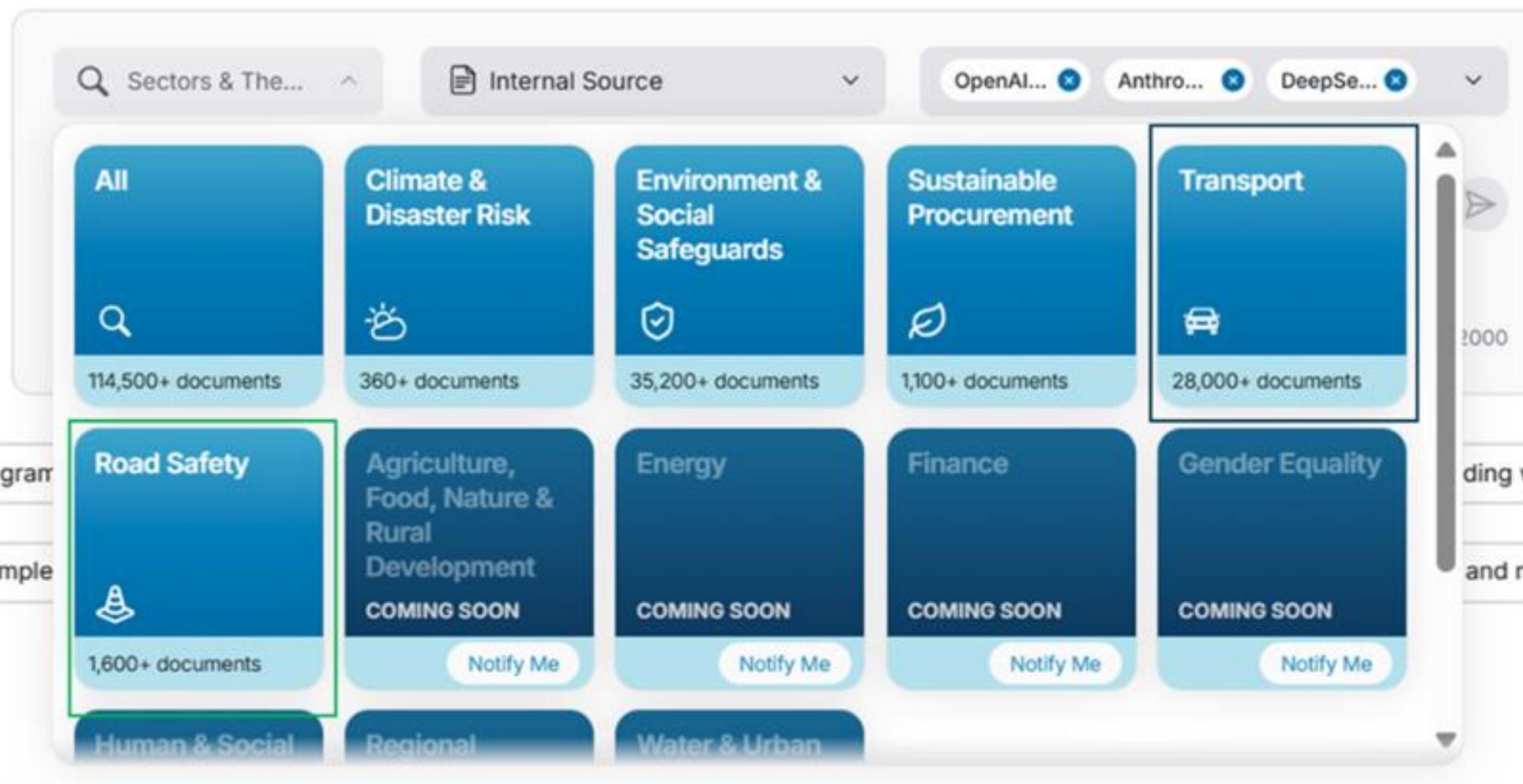
Introducing Road Safety Genie

- Dedicated **Road Safety** sector filter
- Knowledge base emphasizes road safety-specific resources (laws, strategies, crash data, financing, vulnerable users)
- Some overlap with Transport at present
- The two modules will diverge over time as Road Safety develops its specialized scope
- Goal: Provide sharper insights for road safety practitioners while retaining the broader Transport knowledge base.



Hello, I'm ADBGenie

How can I help you?

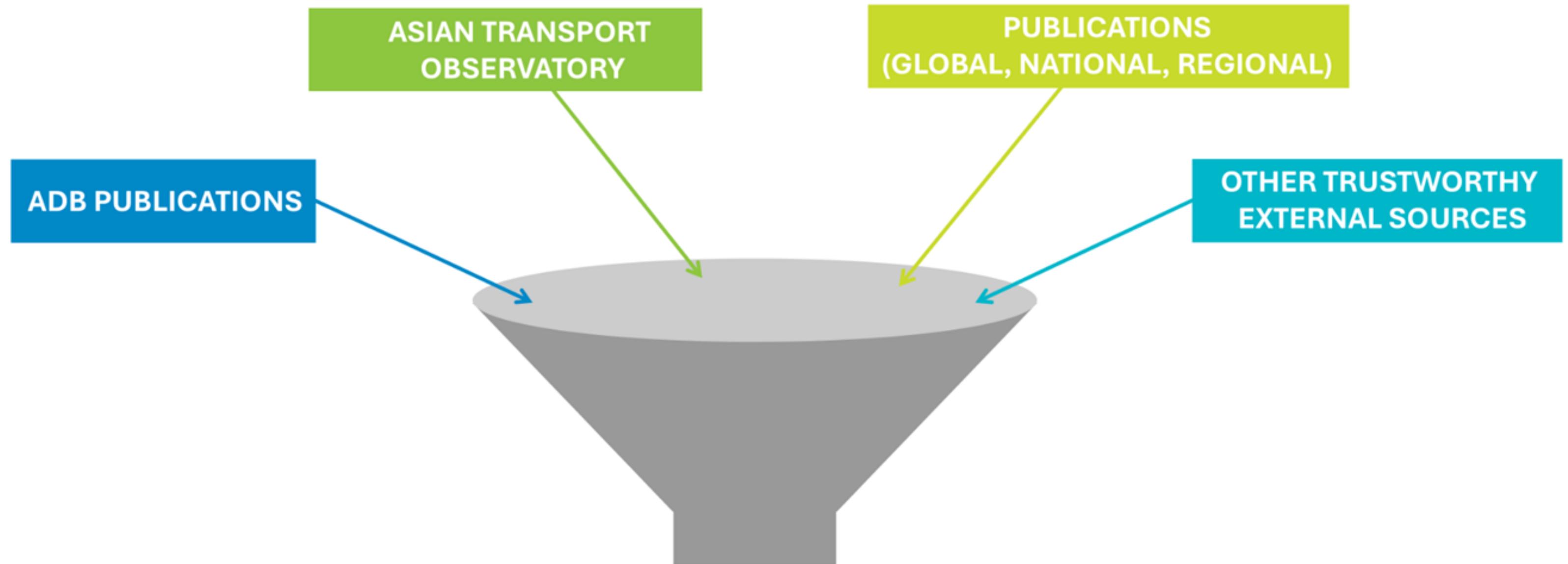


The screenshot shows the ADBGenie search interface. At the top, there is a search bar with the placeholder "Sectors & The...", a dropdown for "Internal Source", and a filter section with "OpenAI...", "Anthro...", and "DeepSe..." options. Below the search bar is a grid of document categories:

All	Climate & Disaster Risk	Environment & Social Safeguards	Sustainable Procurement	Transport
114,500+ documents	360+ documents	35,200+ documents	1,100+ documents	28,000+ documents
Road Safety	Agriculture, Food, Nature & Rural Development	Energy	Finance	Gender Equality
1,600+ documents	COMING SOON	COMING SOON	COMING SOON	COMING SOON

Below the grid, there are buttons for "Give example" and "Notify Me" for each category. At the bottom, there are three navigation tabs: "Human & Social", "Regional", and "Water & Urban".

What Road Safety Genie has to offer



Road Safety Genie

What kind of questions can I ask Road Safety Genie?



High-level question on road safety

What are the biggest road safety challenges facing Asia and the Pacific today, and what strategies are governments prioritizing to address them?



Drill-down / comparative question

How do the main causes of road crashes in Southeast Asia differ from those in Central Asia, and what policy responses are being implemented in each region?



External-sources question

Based on WHO, UN, APRSO, and iRAP reports, what progress has Asia made toward the UN Decade of Action for Road Safety targets, and which countries are showing the most improvement?



Comparison (multi-model) question

How effective have mandatory motorcycle helmet laws been in improving safety outcomes in Southeast Asia, and what challenges remain in enforcement and compliance?



Diagram generation question

Can you create a flow diagram showing the Safe System approach to road safety, with examples of interventions being applied in Asian countries?