

# Road Safety Genie

Harnessing AI to leverage  
transport data for safer roads





# 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

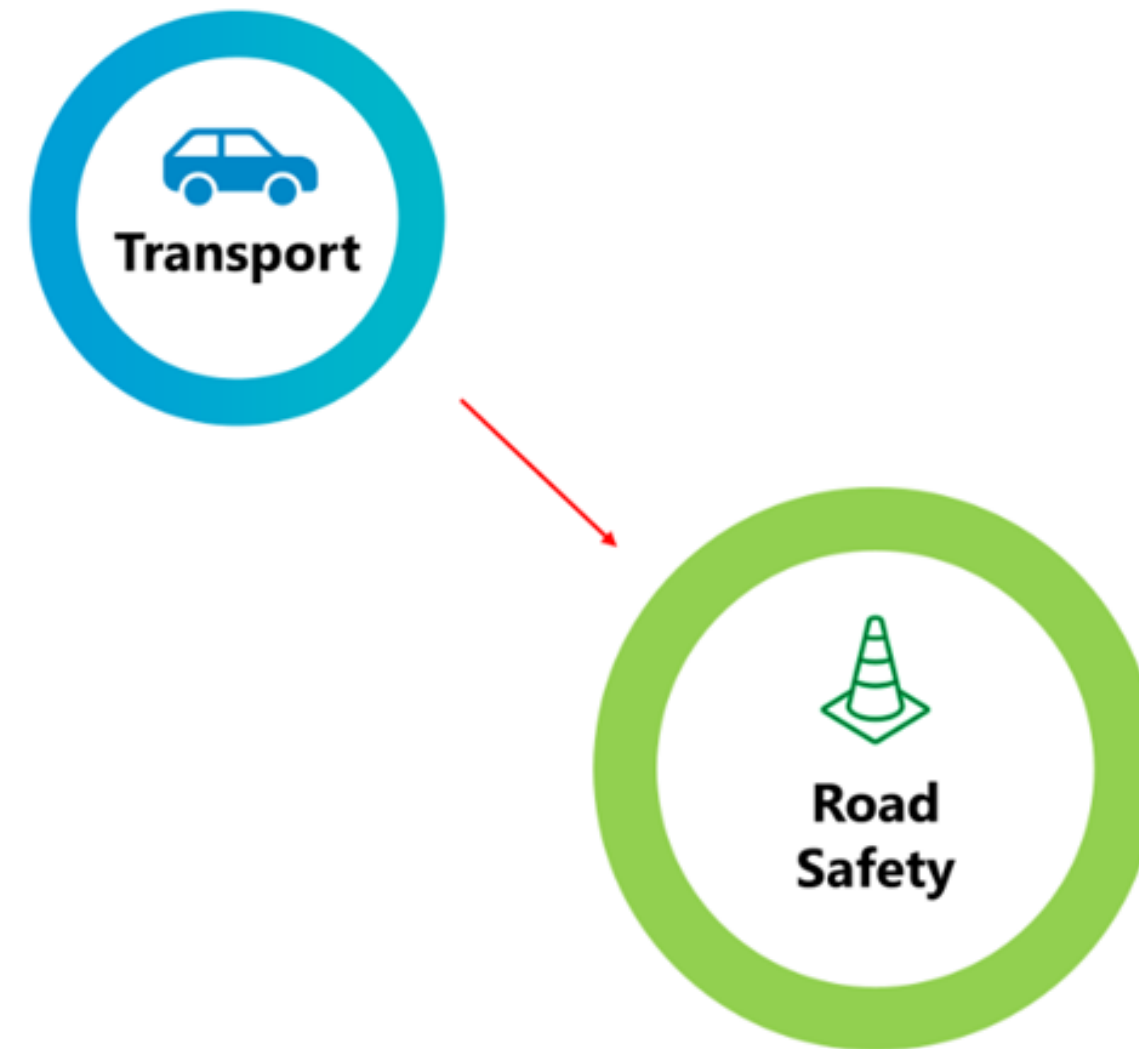
# Issues with Road Safety Data





# 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?

Sectors & The... ^

Internal Source v

OpenAI... x Anthro... x DeepSe... x v

All  
114,500+ documents

Climate & Disaster Risk  
360+ documents

Environment & Social Safeguards  
35,200+ documents

Sustainable Procurement  
1,100+ documents

Transport  
28,000+ documents

Road Safety  
1,600+ documents

Agriculture, Food, Nature & Rural Development  
COMING SOON  
Notify Me

Energy  
COMING SOON  
Notify Me

Finance  
COMING SOON  
Notify Me

Gender Equality  
COMING SOON  
Notify Me

Human & Social

Regional

Water & Urban

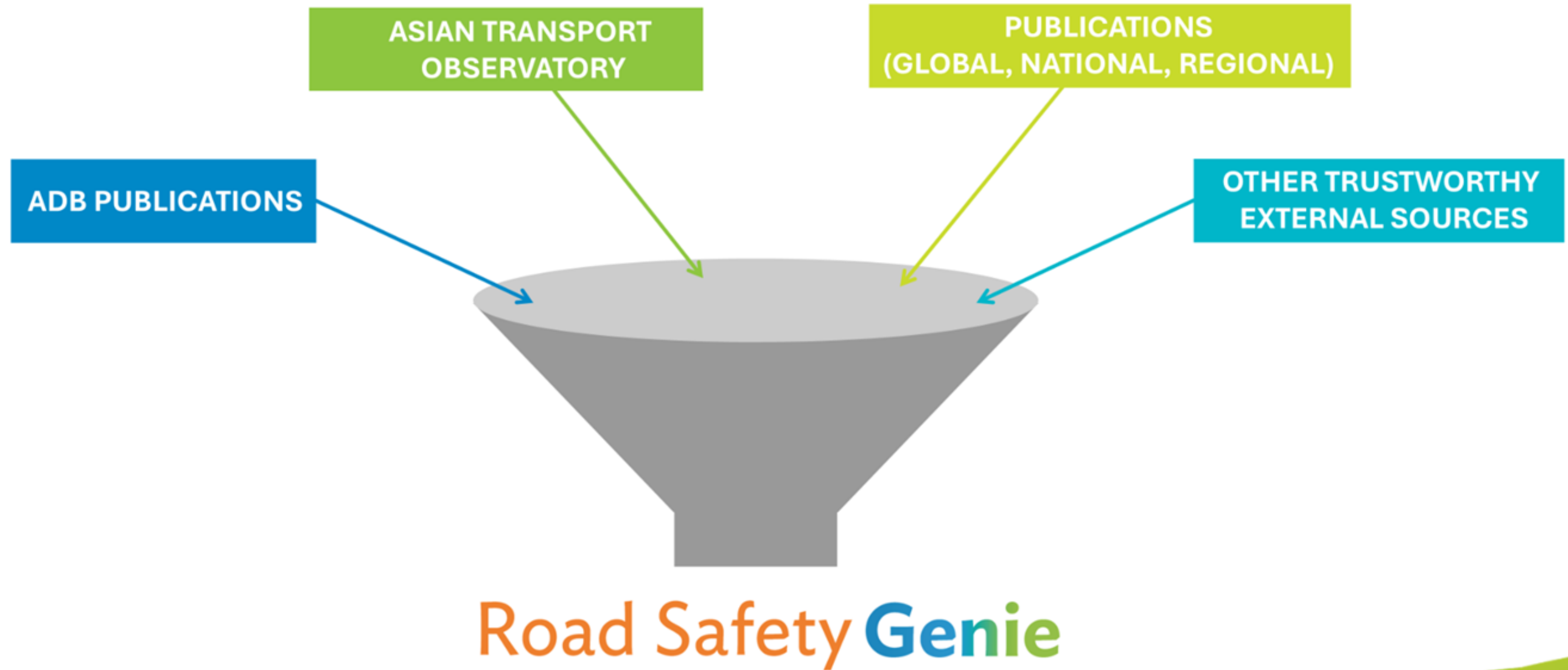
flood control program

Give example

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and non-concessional ler

# What Road Safety Genie has to offer





# 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?*