



ReNEST

Home Away From Home: Introducing ReNEST

A New Dimension of Community Matching with AI and
GIS for Newcomers

Presented by GISOLOGY

The Housing Challenge for Newcomers



12,306
Housing Units
(24,612 Non-local Students)



120,000
Housing Units
(120,000 Overseas Talents)

=



About 140,000
Housing Units Demand
Till 2025

1 Missing Neighborhood Insights

Unfamiliar Territory: With **remote renting** becoming common, newcomers struggle with choosing neighborhoods without **local insights**
⇒ **low confidence** in relocation decisions

美聯：九成內地生遙距租樓

香港住宿指南 | 內地生在港租房频频爆雷？在香港怎样租房安全又省钱？

Elwen 众腾博雅DSE 2024年03月19日 22:06 广东

警惕！这些香港租房雷区你可别踩！

香港八點通 2024-07-02 22:02 广东

租房这件事对任何人来说都是一项繁琐任务，你需要细心筛选房源、实地考察环境安全，详读合同条款以防纠纷，熟知市场规则保障自己的权益，是对个人耐心与细心的极大考验。

港硕受养人租房，香港这5大地区请慎选！



亿米国际gaga姐

香港幼小国际学校插班/身份规划续签转永居上岸

4 人赞同了该文章

2 The Need for Personalization

One Size Doesn't Fit All: Existing platforms ignore individual **practical and emotional needs**
⇒ **poor personalized matches**

3 Compatibility and Community Gaps

Difficult Integration: Hard to identify compatible neighborhoods
⇒ making **social integration stressful** and adding **uncertainty** to relocation process

Proposed Solution: ReNEST

Innovative Approach

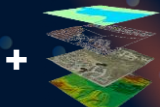
Data-driven Insights
with GeoAI Analysis

Core Support

- Personalized Result
- Accurate Information
- Efficient Market



AI



GIS

- ✓ Data-Driven Neighborhood Insights
- ✓ Personalized Recommendations
- ✓ Enhanced Confidence

- ✓ Increased Visibility and Reach
differentiating from competitors
- ✓ Improve retention



Overseas
Renters



ReNEST



Rental Agencies



Decision
Making

Data & Technology



空間數據共享平台
Common Spatial
Data Infrastructure



HKMS2.0

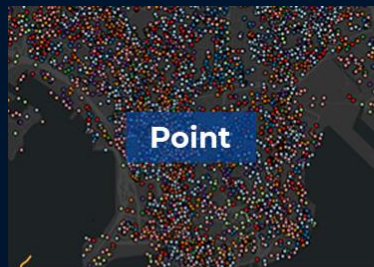
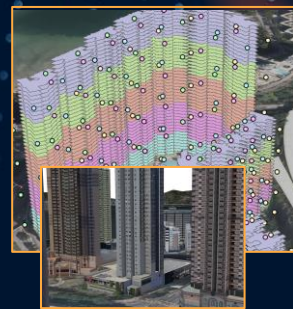


JobsDB

Open3Dhk

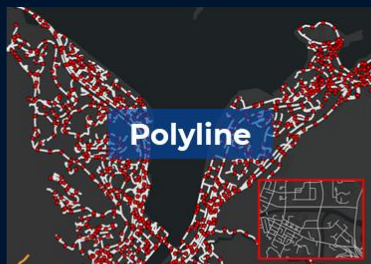


上海市公共数据开放平台



Point

- Essential POIs, job locations, CCTVs, lampposts, restaurants...



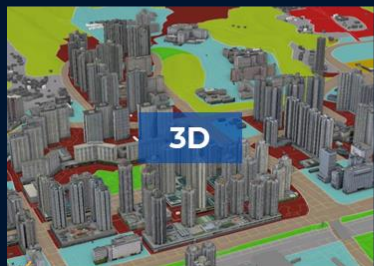
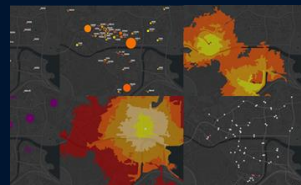
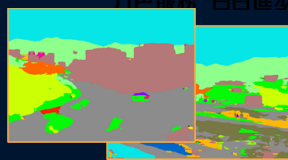
Polyline

- Road centerline, bus routes...



Polygon

- 2021 Census data, building blocks...



3D

- 3D pedestrian network, 3D mesh model...



Raster

- Digital Terrain Model...



Image

- Window views, street views, CCTV (Road) captures...



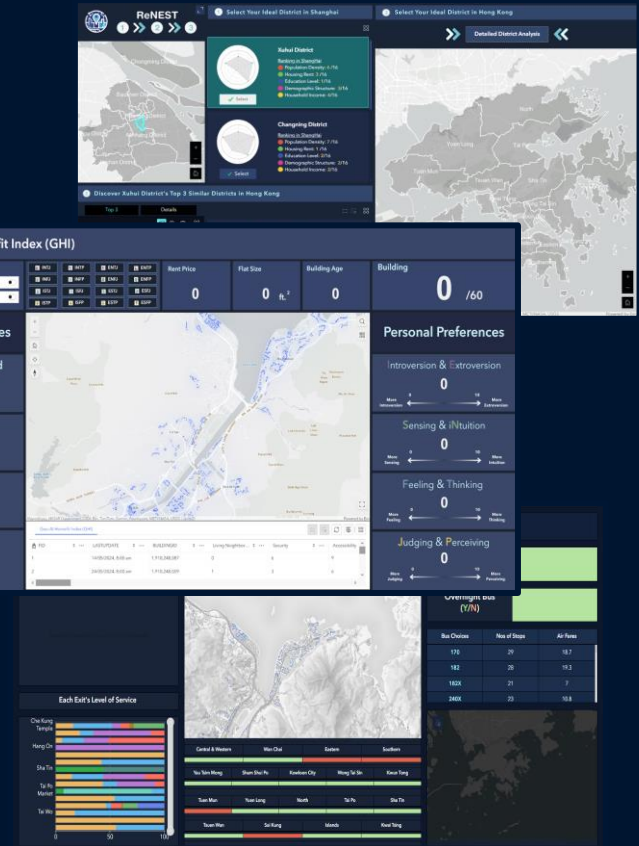
Key Features of ReNEST

Interactive map Interface

- **GeoAI Home Fit Index:** Interactive map with tailored scores (Practical and personality preferences)
- **Dynamic Matching:** Real-time apartment suitability with adjustable preferences

Immersive and Insightful Add-ons

- **Smart Comparison:** Match hometown districts with Hong Kong with advanced similarity algorithms
- **GeoAI Home Fit Index:** Interactive map with tailored scores (Practical and personality preferences)
- **Dynamic Matching:** Real-time apartment suitability with adjustable preferences



Target Audience

Applicants of various talent schemes with approved visa arrived



120 000 talents
*of 200 000 applicants



102 000 dependents
*Calculated based on the ratio in 2023

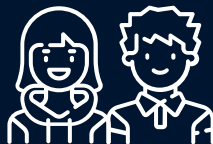


**About 120 000
Housing Units**

Policy Address 2024



**21 709 Non-local
students (2022/2023)**



**41 017 Non-local
students (2024/2025)**
*40% of admission quota in
2022/2023



About 12 306 Housing Units
*60% students not living in residential halls/hotels
*on average two non-local students will be sharing
one housing unit

Expected Benefits

Unique Value Proposition

Effectiveness



simplifies the journey towards finding ideal living spaces and compatible roommates

Attractiveness



offers a wealth of **information** and empower users to make an **informed decision**

Compatibility



leveraging advanced GIS and AI technologies **tailored to the unique needs** of global minds

Interconnectedness



provide neighbourhood **exploration**, connection and **networking opportunities**



ReNEST

Ensuring a smooth transition into
Hong Kong's dynamic urban life