### Alternative Design for New Development Areas in Hong Kong

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### Objectives

• The project aims to consider natural processes, such as urban forestry and river restoration in the New Development Areas in Hong Kong.







# Process – How does the study area operate?

- Population growth
- Urbanization
- Abandonment of farmland
- Fragmentation of green space





## Change – How might the study area be altered ?

- Sustainable planning green infrastructure, e.g urban forestry & river restoration
- Affordable housing
- Multi-functional landscape agriculture as well as amenity
- Provide alternatives
- Engage stakeholders
- Learning from other cities



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# Impact – What differences might the changes cause ?

- Amenity spaces enjoyed by citizens
- Connectivity of green space
- Preserve cultural heritage

















### Anticipated Results

- A set of alternative plans addressing the community need to be compared with the Government's plan
- Identify the People of the Place and collect their opinions from new development in Hong Kong
- Convert the People's opinion into a set of rules which is then translated into a CityEngine script
- A scorecard with quantifiable metrics to compare alternative plans
- 3D-visualization based on CityEngine