

RIBBON DEVELOPMENT OF URBAN EXPANSION ALONG THE RIVERBANK



CITY GOVERNMENT OF
BANJARMASIN

Starting Point

Geographical Position

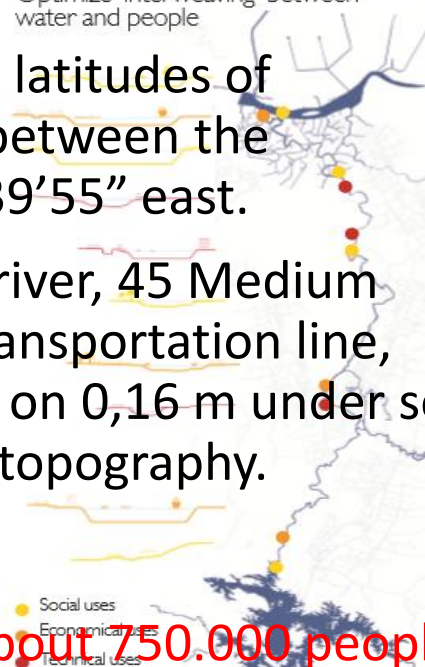
Banjarmasin is located between the latitudes of $3^{\circ}16'46''$ and $3^{\circ}22'54''$ south, and between the longitude of $114^{\circ}31'40''$ and $114^{\circ}39'55''$ east.

Banjarmasin has many rivers (3 big river, 45 Medium river and 54 Small River) used for transportation line, beside land transportation. Located on 0,16 m under sea level, by swampy and relatively flat topography.

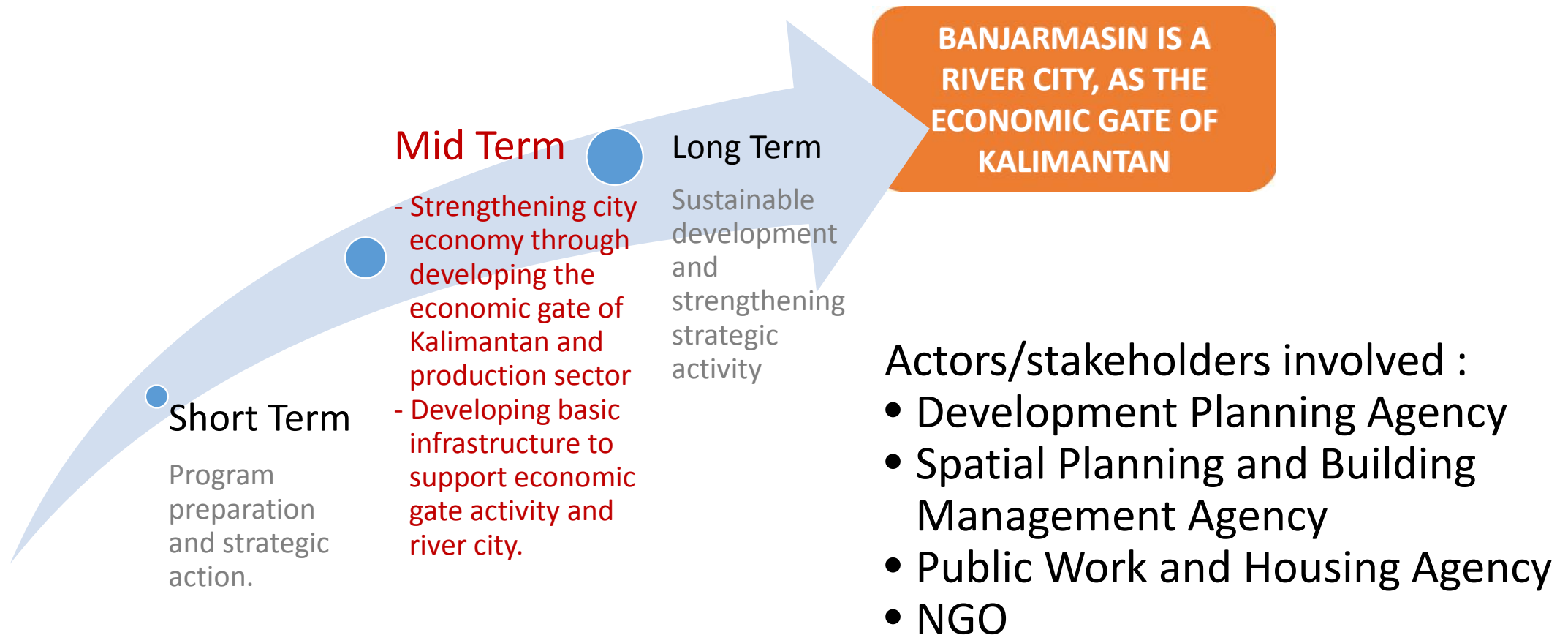
Population

The population of Banjarmasin is about 750.000 people with average growth around 1,66 – 2,14 %. The population density is on district of Center Banjarmasin ($14.063,06 \text{ inhbt/km}^2$) the smallest is on district of South Banjarmasin ($4.004,55 \text{ inhbt /km}^2$)

L M
Optimize interweaving between
water and people



Institutional Setting



Urban Challenges

Environmental Issues;

Sea level rise, Low Water Infiltration, Groundwater, River Discharge & Low Green Open Space.

Social challenges

Urban Sprawl produce slump areas.

SLUMP CATEGORY	RIVERBANK SLUMP (HA)	CITY SLUMP (HA)	TOTAL SLUMP (HA)	RIVERBANK SLUMP (%)	CITY SLUMP (%)
Light	91.65	98.36	190.01	48.2%	51.8%
Medium	114.08	133.49	247.57	46.1%	53.9%
Hard	23.72	88.4	112.12	21.2%	78.8%
Total	229.45	320.25	549.7	41.7%	58.3%



Previous Approach

Slump Upgrading



Improvement of Water Supply



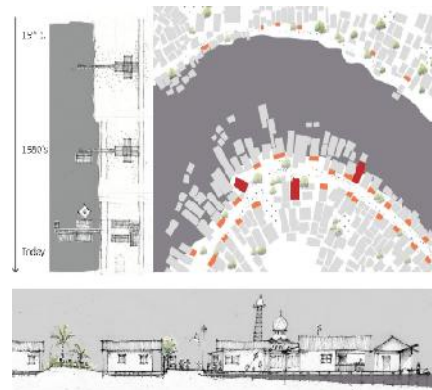
Developing Integrated Sanitation System



Development Of Kampung

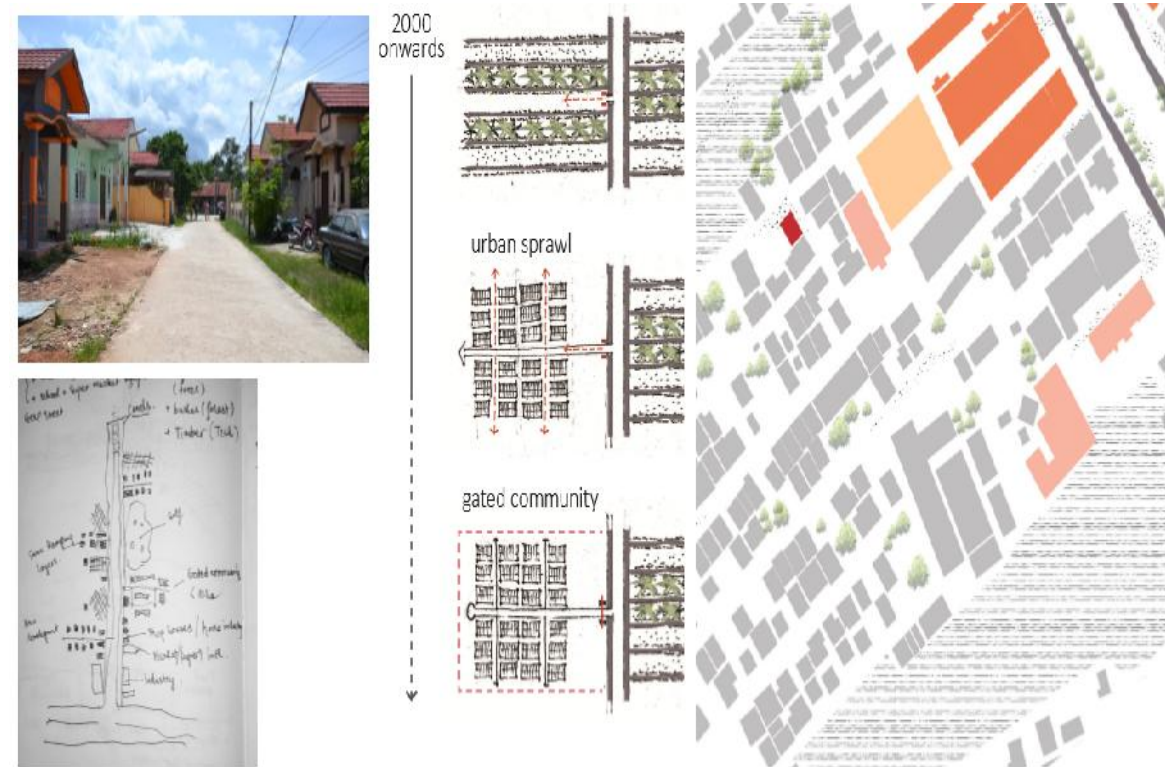


Development Of Riverbank

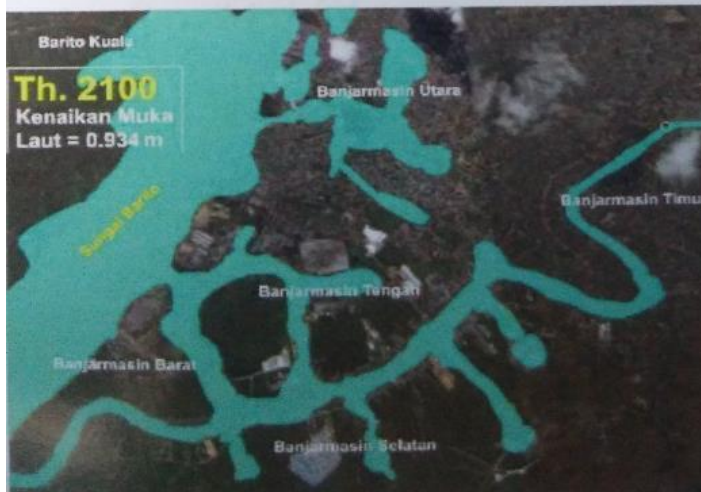


NEW DEVELOPMENT

LAND CONSOLIDATION, KASIBA/LISIBA-Planned New Development Area, RUSUNAWA-social Apartment for low income and informal worker)



Counselling



- Emerging Waterfront City Image



- Improving Green Open Space
- Developing Drainage Master Plan and Revising Urban Spatial Planning using Blue Green Framework and IFRDM (Integrated Flood Risk and Drainage Management) Concept
- Build houses on water, a local wisdom which is prohibited by regulation
- Make a reclamation project to expand the land area → How they affect the ecosystem?

