# RIBBON DEVELOPMENT OF URBAN EXPANSION ALONG THE RIVERBANK



# **Starting Point**

## **Geographical Position**

Banjarmasin is located between the latitudes of 3°16'46" and 3°22'54" south, and between the longitude of 114°31'40" and 114°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 inhbt/km²) the smallest is on district of South Banjarmasin (4.004,55 inhbt /km²)



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Optimize interweaving between water and people



# **Institutional Setting**

#### Mid Term

 Strengthening city economy through developing the economic gate of Kalimantan and production sector
Developing basic infrastructure to

support economic

gate activity and

river city.

#### Long Term

Sustainable development and strengthening strategic activity

BANJARMASIN IS A RIVER CITY, AS THE ECONOMIC GATE OF KALIMANTAN

#### **Short Term**

Program preparation and strategic action.

Actors/stakeholders involved :

- Development Planning Agency
- Spatial Planning and Building Management Agency
- Public Work and Housing Agency
- NGO

# **Urban Challenges**

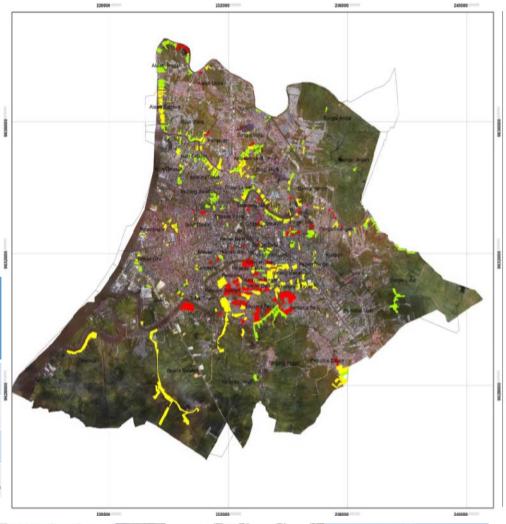
# **Environmental Issues**;

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

# Social challenges

Urban Sprawl produce slump areas.

		CITY	TOTAL		CITY
SLUMP	RIVERBANK	SLUMP	SLUMP	RIVERBANK	SLUMP
<b>CATEGORY</b>	SLUMP (HA)	(HA)	(HA)	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



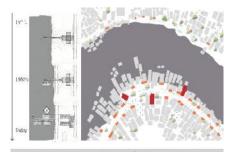
# **Developing Integrated Sanitation System**



#### **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?



