

SELANGOR STATE DEVELOPMENT PLAN

POLICY	IMPLEMENTOR	COMMITTEE
First Selangor Plan 2021-2025 (RS-1)		Environment and Climate Change Standing Committee Departments involved: <ul style="list-style-type: none"> Selangor State Forestry Ministry of Natural Resources, Environment and Climate Change (NRECC) Department of Wildlife and National Parks of Selangor State (PERHILITAN) Forest Research Institute Malaysia (FRIM)
Selangor State Structure Plan (RSN) 2035		Selangor State Planning Committee Departments involved: <ul style="list-style-type: none"> State Economic Planning Unit Selangor Land and Mines Office Federal Development Office of Selangor State Selangor Public Works Department (JKR) Department of Environment Selangor Department Of Irrigation And Drainage Selangor (JPS) Department of Agriculture Selangor Selangor Town and Country Planning Department (PLANMalaysia@Selangor)
Smart Selangor Action Plan to 2025 (SSAP)		Innovation Cultivation, SMART Selangor Permanent Committee Departments involved: <ul style="list-style-type: none"> Menteri Besar Selangor Incorporated (MBI) Smart Selangor Delivery Unit (SSDU)

STRATEGIC PLAN	IMPLEMENTOR	COMMITTEE
MPKS Strategic Plan 2021-2025		Local Government Permanent Committee Department involved: <ul style="list-style-type: none"> 12 Local Authorities Ministry of Local Government Development (KPKT) Selangor Town and Country Planning Department (PLANMalaysia@Selangor) National Solid Waste Management Department (JPSPN) Solid Waste and Public Cleansing Management Corporation (SWCorp)
Shah Alam Low Carbon City Action Plan 2030 Shah Alam SDG Direction Plan 2030		
Cyberjaya Smart City and Low Carbon City Action Plan 2025		
MPAJ Strategic Plan 2021-2025 MPAJ Risk Management Plan 2017-2021		

INSTITUTIONAL ARRANGEMENT APPROACH

Disaster Risk Reduction Approach

River Basin Approach





Governance

The main challenges encompass the comprehensive management from headwaters to coastal estuaries across diverse land and water resources as well as various administrative jurisdictions.



Selangor Water Management Authority (LUAS)

Act as the River Basin Organization (RBO) to manage water issues in collaboration with local authorities for the major river basins of Selangor.



National Water Resources Plan (NWRP)

Launched in 2012 to address immediate concerns related to water resources through 28 strategies and 69 formulated strategic action plans.

River Basin Organization (RBO)

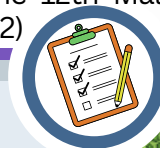
The establishment has been proposed to oversee various river basins in the country to ensure they are systematically managed in line with Integrated River Basin Management (IRBM) practices.

National Water Council (MAN)

Established in 1988 to further effective water management, including accepting interstate water transfers.

Water Sector Transformation 2040

The Ministry of Natural Resources, Environment, and Climate Change (NRECC) is currently conducting a review of the National Water Resources Policy (NWRP) and leading the Water Sector Transformation Plan 2040 under the 12th Malaysia Plan (RMKe-12)



1 PREVENTION

Activities and actions taken to prevent existing and new disaster risks by reducing vulnerabilities and exposure through non-structural means.

2 MITIGATION

Actions to mitigate the adverse effects of hazardous events through structural construction or natural features, as well as other innovations. For climate change, it focuses on reducing greenhouse gas (GHG) emissions.

3 PREPAREDNESS

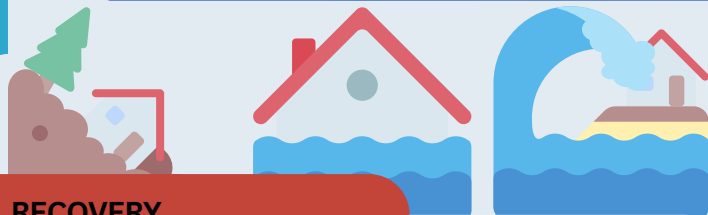
The knowledge and capacity developed by the government, response and recovery organizations, communities, and individuals to effectively anticipate, respond, and recover from the impacts of disasters.

5 RECOVERY

Activities to improve the standard of living and health, as well as the economic, physical, social, cultural, and environmental assets of communities affected by disasters, in order to reduce future disaster risks.

4 RESPONSE

Actions taken to save lives, reduce health impacts, ensure public safety, and meet the basic needs of those affected.



Flood Hazard



44%

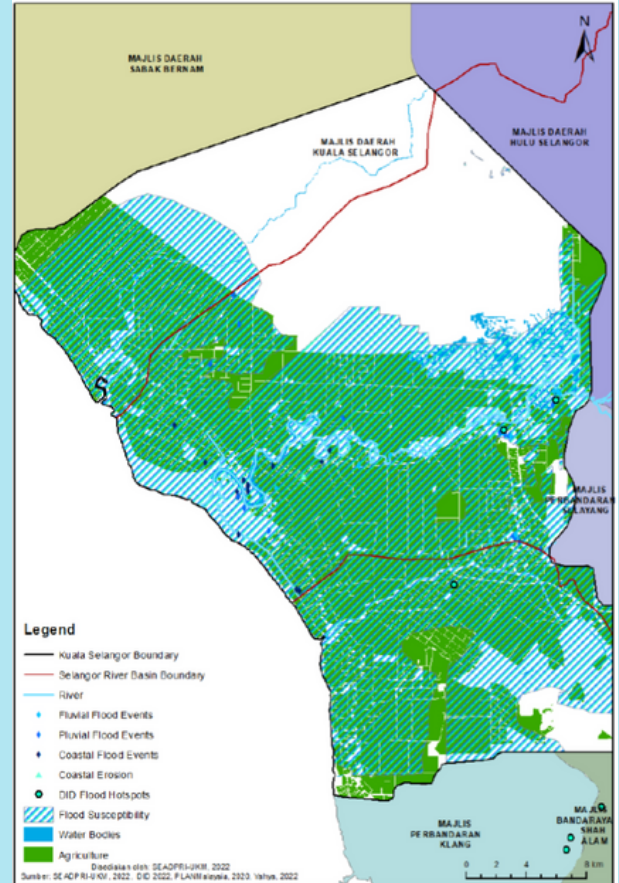
of the area under the Kuala Selangor Local Authority is vulnerable to flood hazards.

The Hazard of
Rising Sea Levels



11%

of the area under the Kuala Selangor Local Authority is exposed to a 1.0 m rise in sea levels.



The agricultural areas in Kuala Selangor that are exposed to flood hazards in worst-case scenarios.

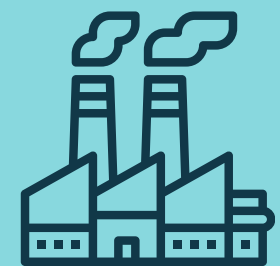
Primary land uses that are exposed to flood hazards and emerging floods



Agriculture



Transportations, Infrastructures & Utilities



Industries

Public's Perspectives



80%

have awareness regarding climate change



30%

have been exposed to floods



71%

are unaware that they reside in flood-prone areas

Flood Hazards



53%

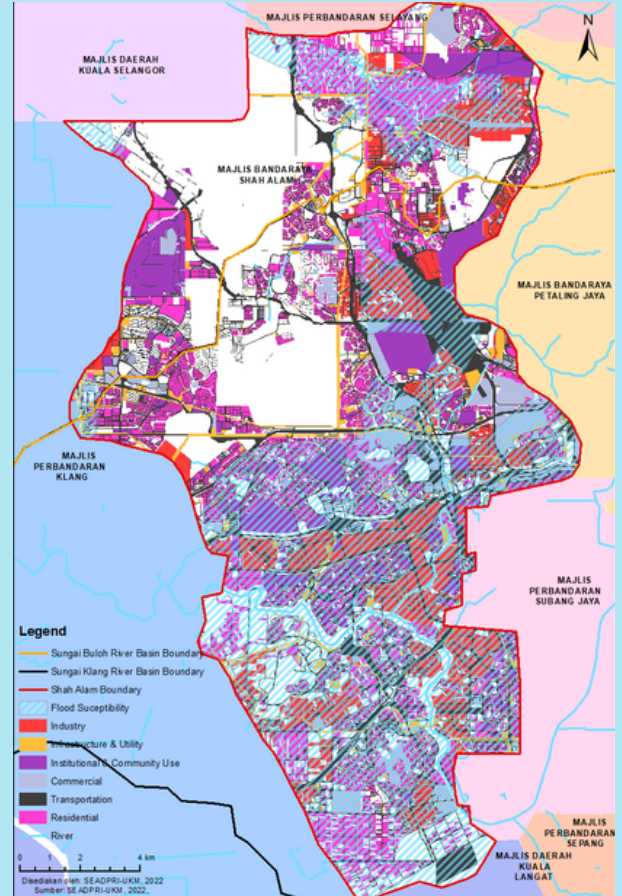
of the area under the Shah Alam Local Authority is vulnerable to flood hazards

Landslide Hazards



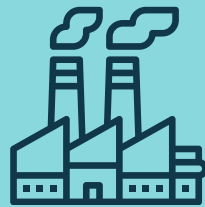
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landslide incidents in Shah Alam



The densely built-up areas in Shah Alam that are exposed to flood hazards in the worst-case scenario.

Primary land uses that are exposed to flood hazards and emerging floods



Industries



Housings



Transportations



Commercials

Public's Perspectives



89%

are aware of flood risks and warning systems



Only

10%

make preparations before a disaster



71%

of respondents reported property damage during previous flood incidents

Flood Hazards



29%

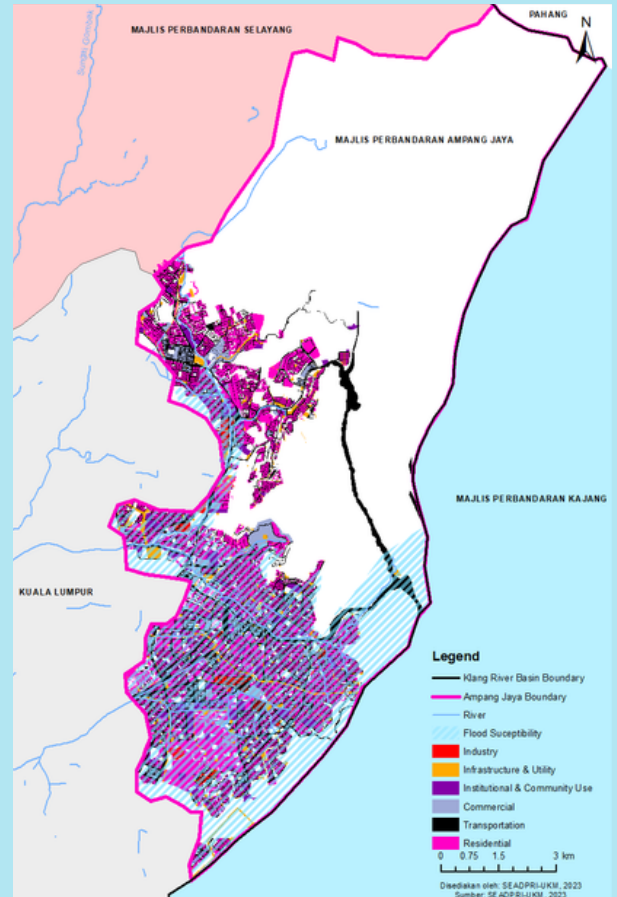
of the area under the Ampang Jaya Local Authority is vulnerable to flood hazards

Landslide Hazards



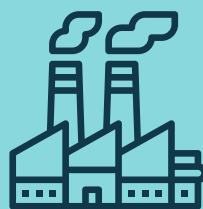
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landslide incidents in Ampang Jaya.



The densely built-up areas in Ampang Jaya that are exposed to flood hazards in the worst-case scenario.

Primary land uses that are exposed to flood hazards and emerging floods



Industries



Institutions & Communities



Transportations



Housings

Public's Perspectives



59%

are aware that their area is prone to landslides



Only 17%

have a good understanding of the causes and warning signs of landslides.



46%

require assistance in pre-disaster preparedness