

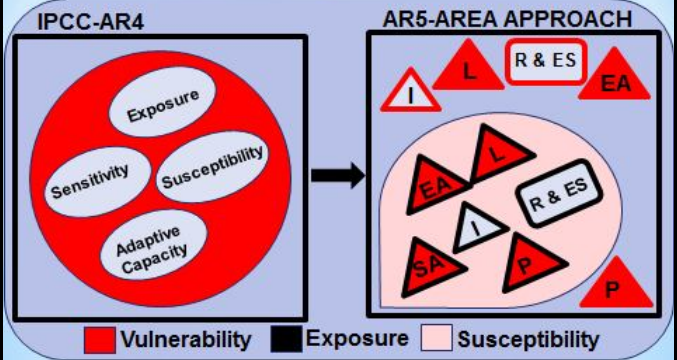


Integrating DRR, CCA and L+D: Issues and Challenges in the Klang Valley

Joy Jacqueline Pereira, Lim Choun Sian,
Nurfashareena binti Muhamad &
Nurul Syazwani Yahaya

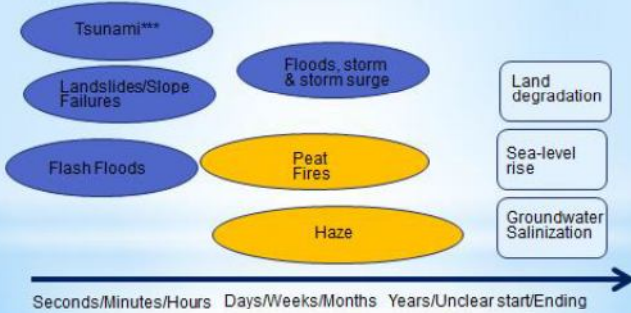


Notional Linkages of Concepts

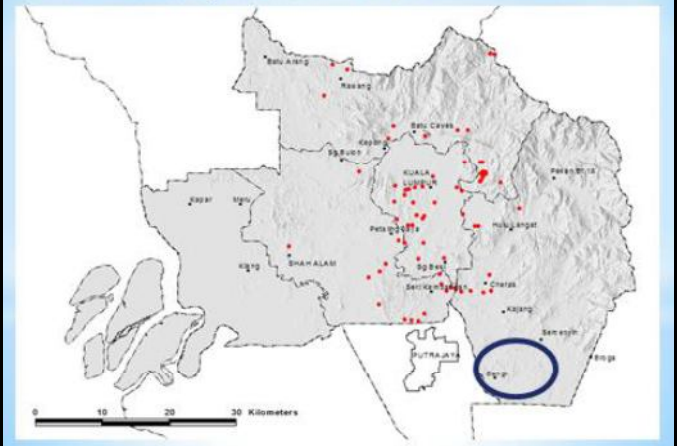


I= Infrastructure; SA= Social Assets; EA= Economic Assets; L= Livelihood; P= People; R= Resources; ES= Ecosystem Services (Source: Pereira, 2012)

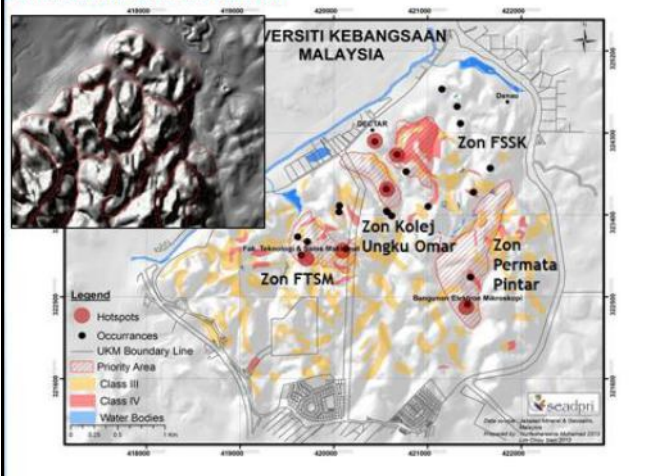
Fast & Slow Onset Events



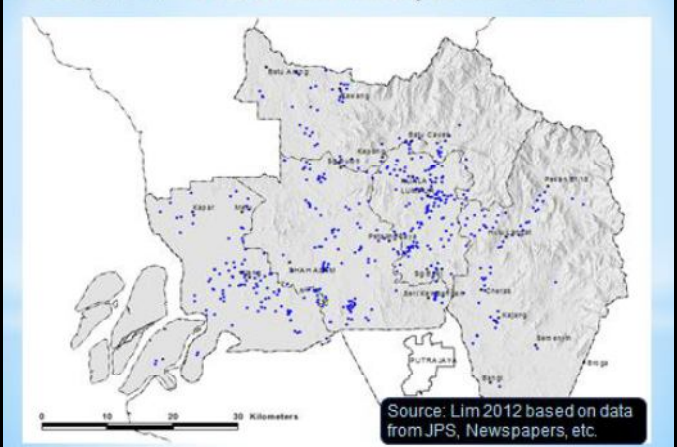
Landslides, 1970 - 2011



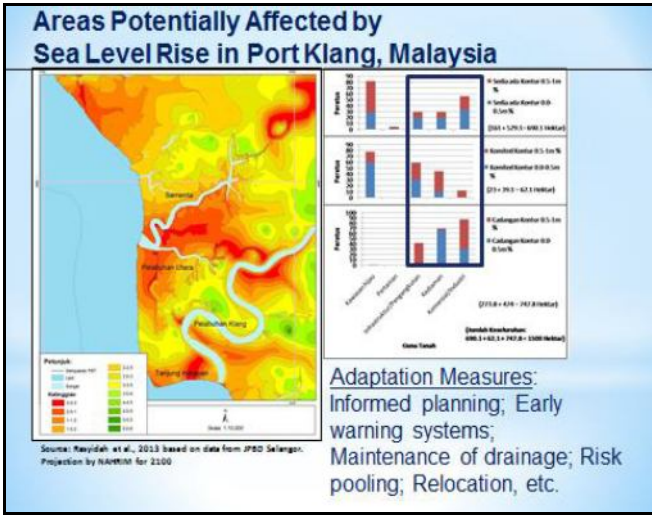
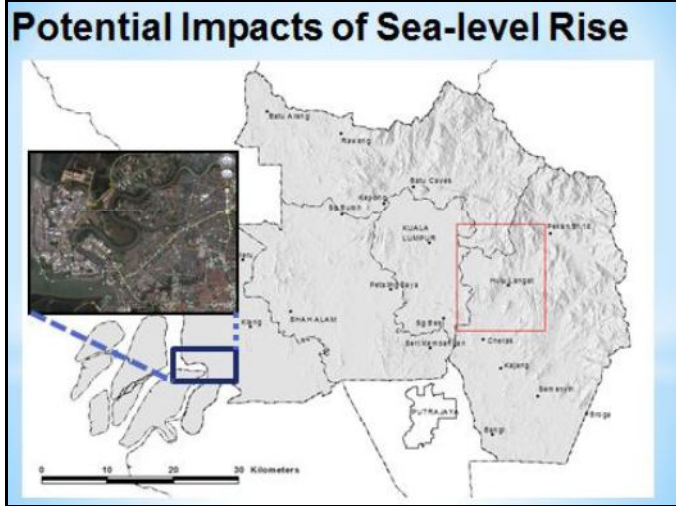
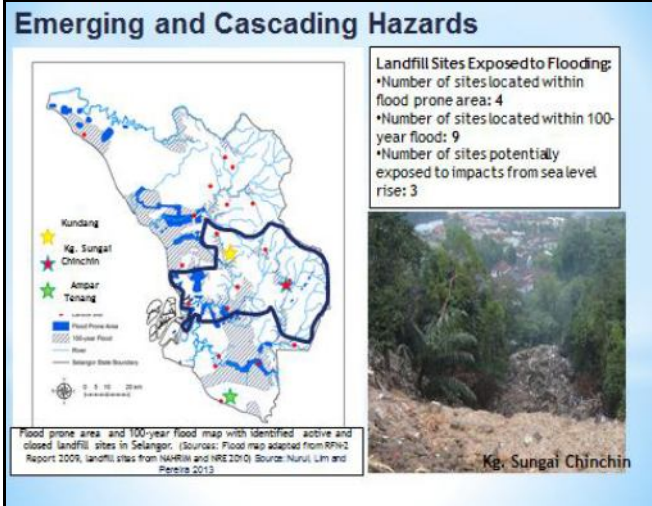
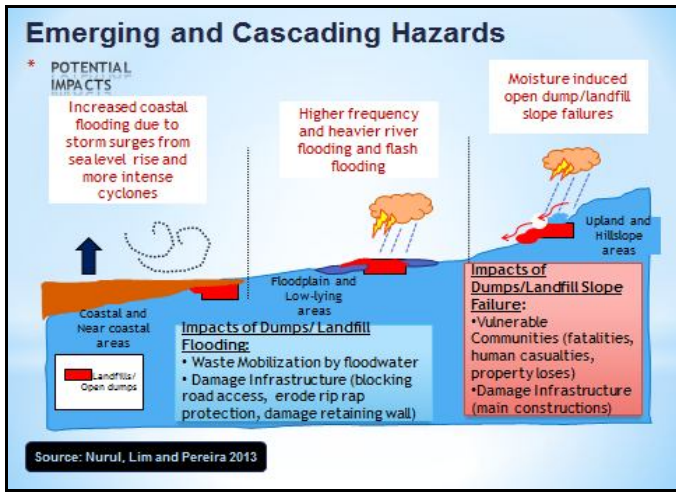
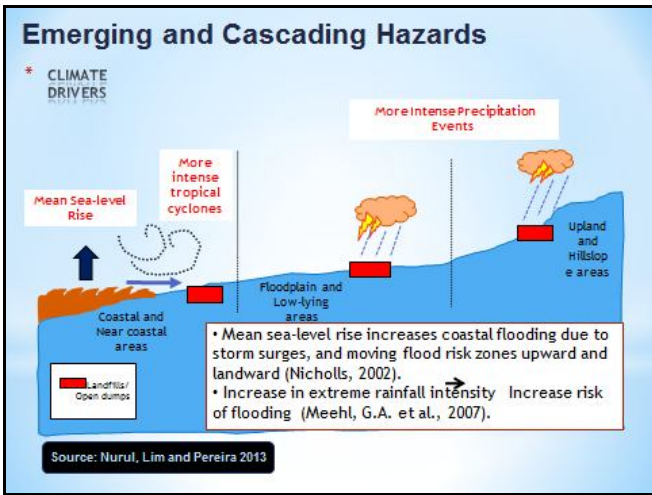
Shaded relief in Teraine Class III dan IV



Floods & Flash Floods, 1975-2000



Source: Lim 2012 based on data from JPS, Newspapers, etc.



- ### Concluding Remarks
- Differentiation of natural and administrative boundaries; science to match decision-making scale at the local level;
 - Recognition of cascading hazards and slow onset hazards - persistent, insidious and long-term;
 - Identification of susceptible areas and spatial distribution of exposed and vulnerable communities therein;
 - Challenges in detection and attribution related to extreme events;
 - Availability of data for assessment of loss and damage;
 - Need for early warning and response systems including new models for risk sharing and social protection schemes;
 - Legal implications and future security challenges at national and regional levels