

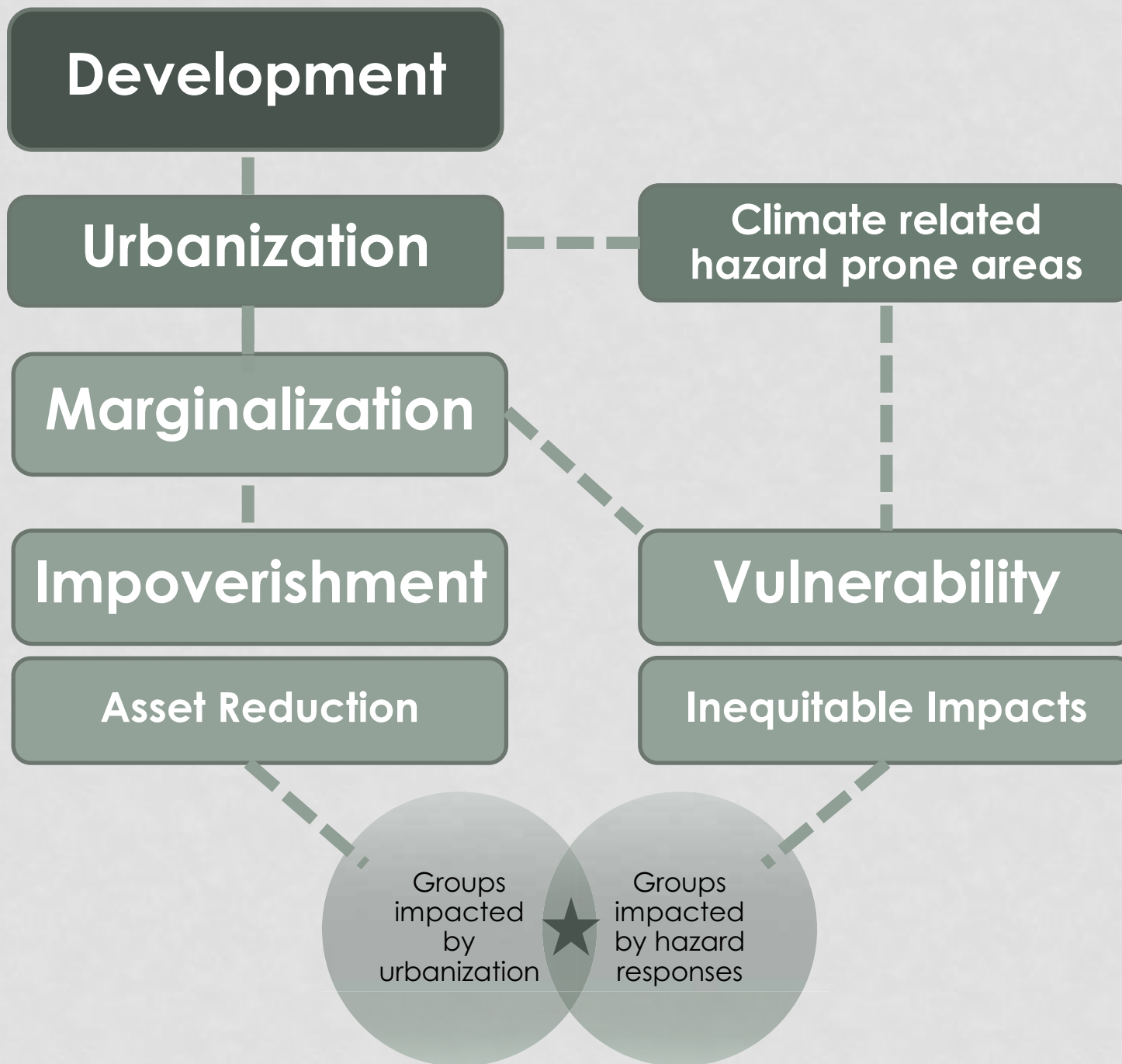
URBAN CLIMATE VULNERABILITY ANALYSIS OF MEGACITY PERI- URBAN AREAS: THE CASE OF LADKRABANG, BKK



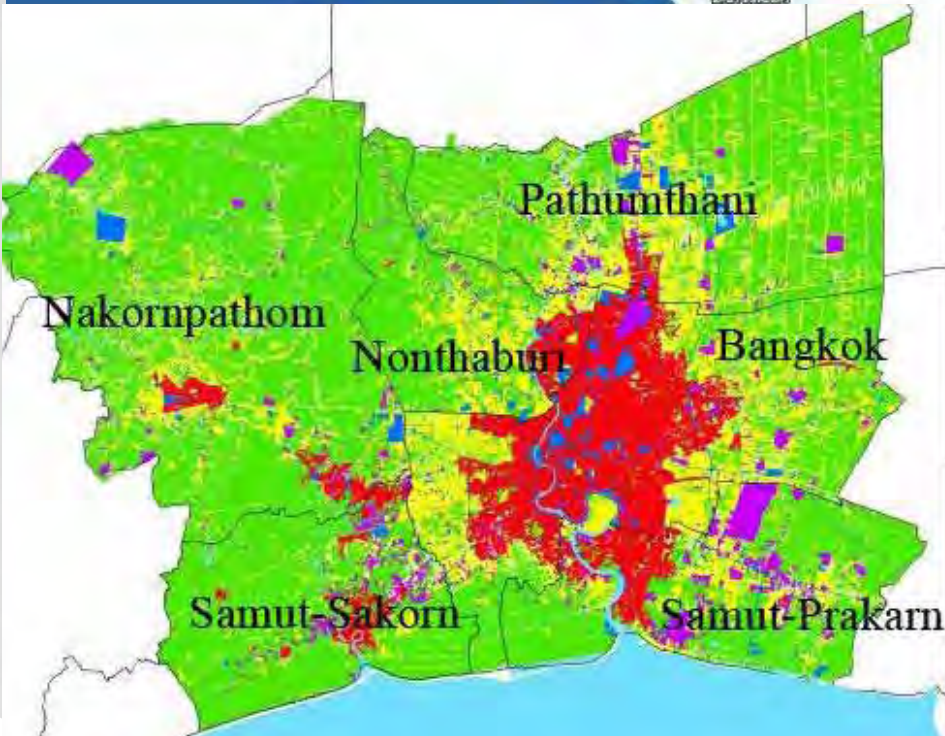
Partnership: TEI, ISET, KMITL

Sponsor: IIED

Research Team: Charoentrakulpeeti,
Wanpen; Huong, Le Thi Thu; Hutanuwat,
Khanin; Khobnob, Nattakit; Kritsanaphan,
Amorn



Year	1960	1970	1980	1990	2000	2010
Economy of Thailand by Sector (%)						
Agriculture	37	30	23	13	12	10
Industry	14	26	29	37	41	46
Services	49	44	48	50	49	44



Development

Industrial-based economy

Increased industrial areas

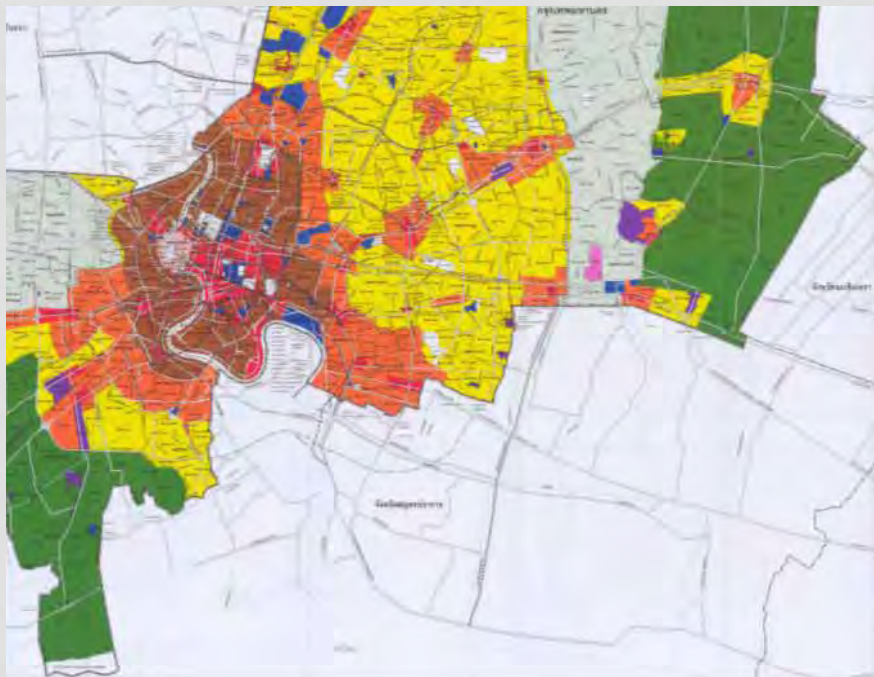
Expansion to Eastern areas

Urbanizing eastern BKK

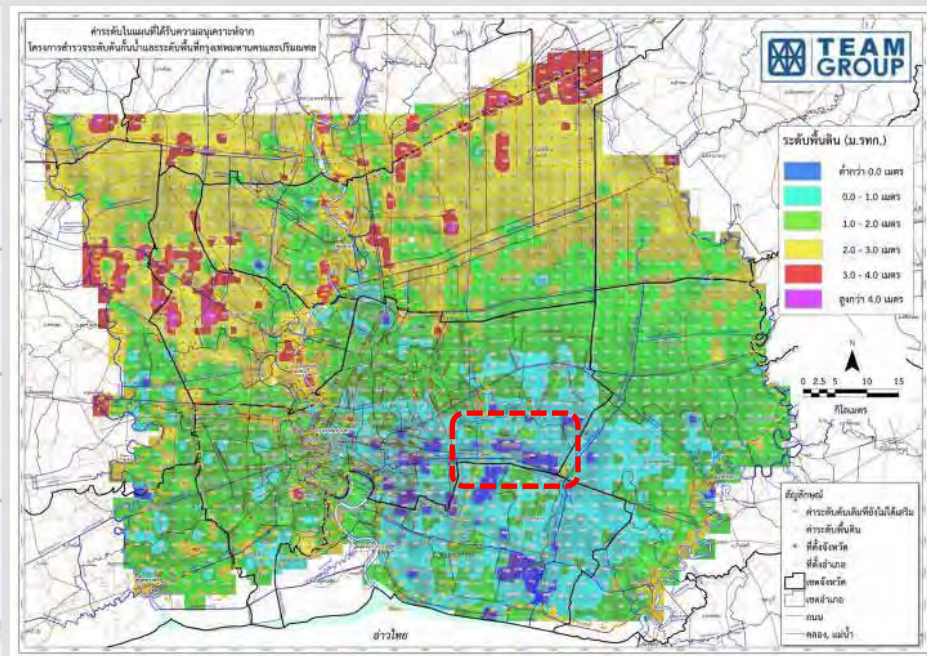
Ladkrabang

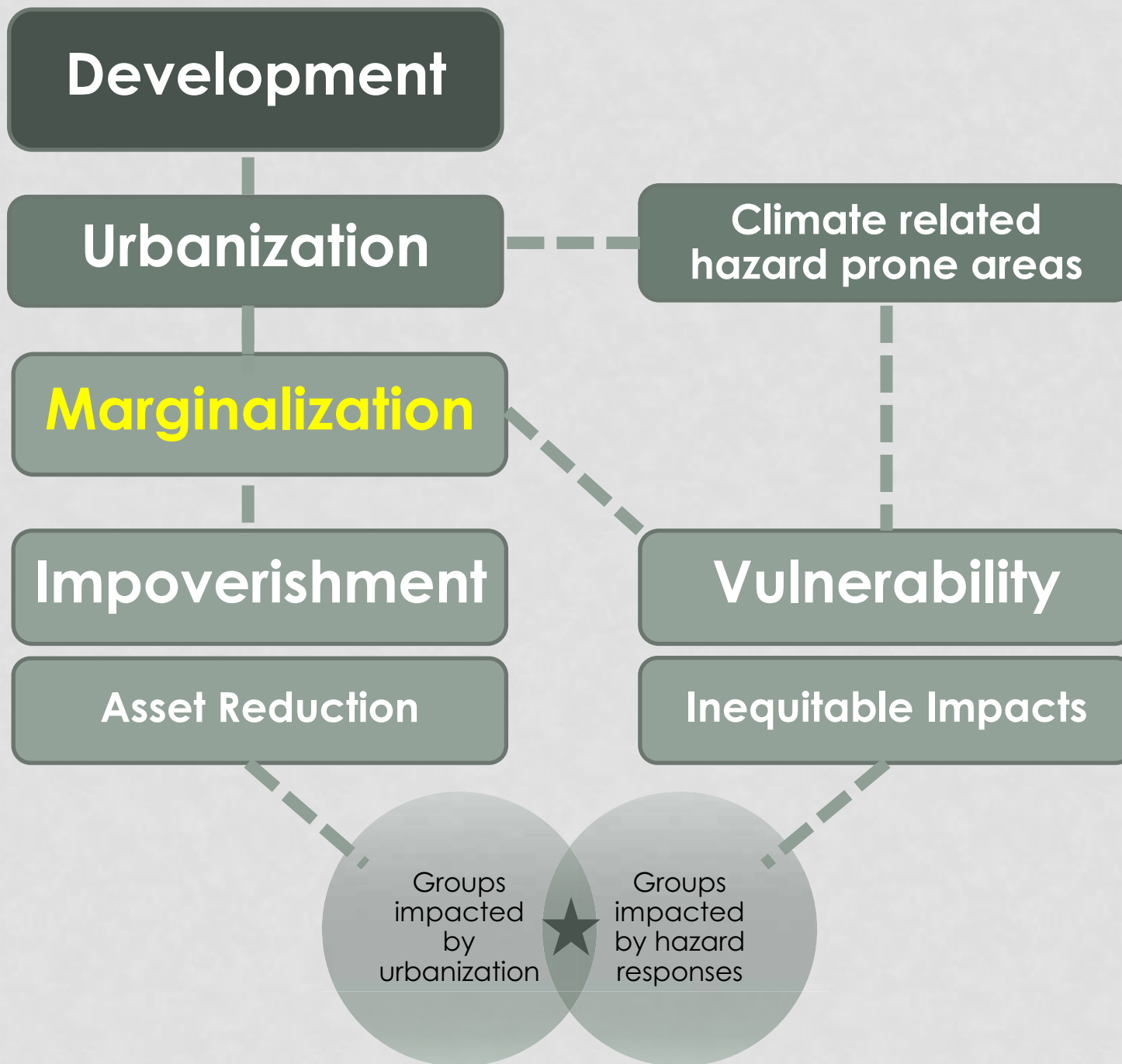
ABD, 2000 and 2001; WB, 2001; NESDB, 1991, 2001, and 2011
LDD (Land Development Department). (2009)
<http://daily.bangkokbiznews.com/home/20111021>

Urbanizing eastern BKK



Flood prone areas

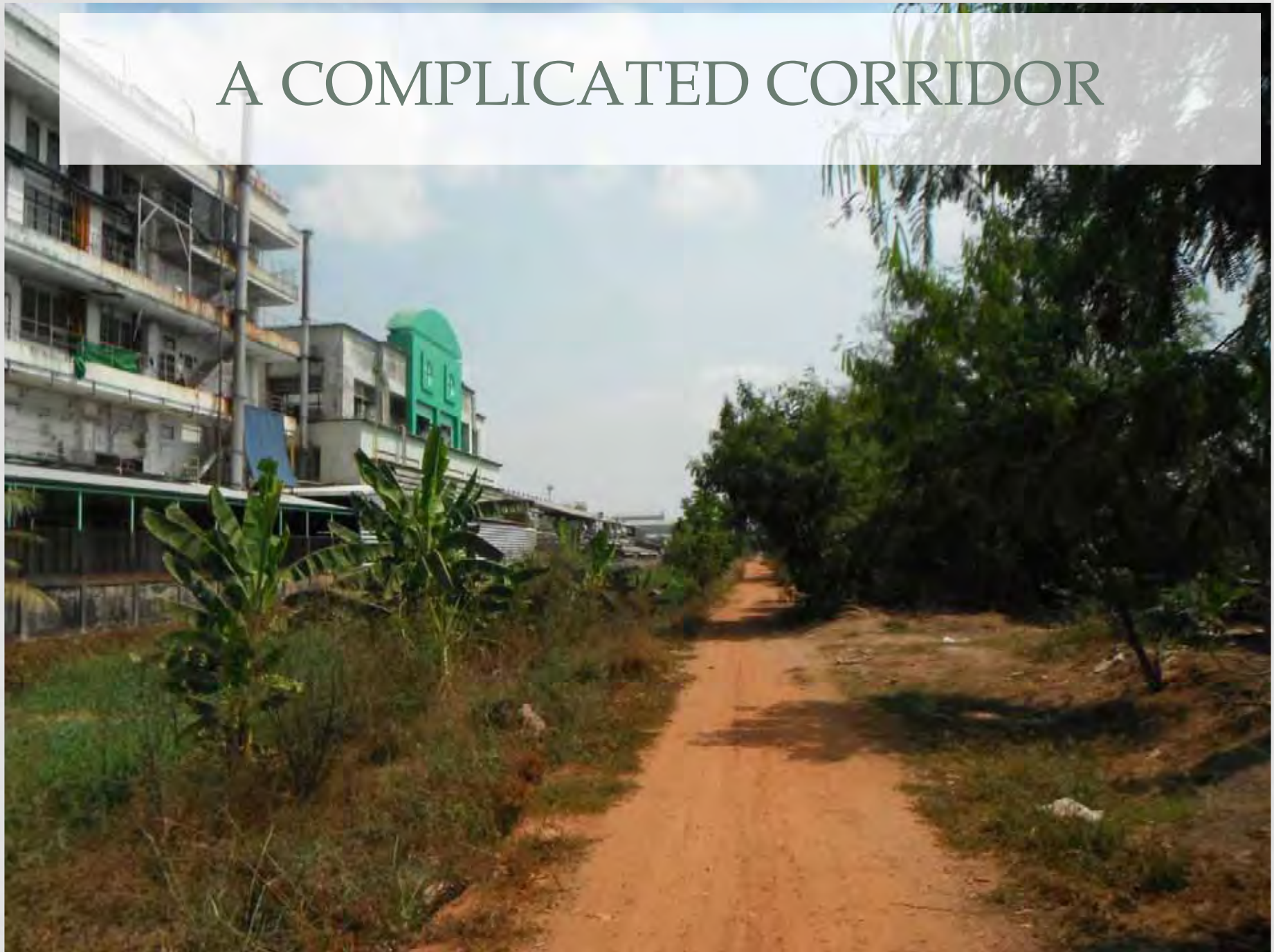




[illegible]

https://maps.google.co.th/maps?aq=&rlz=1T4WQIA_enTH566TH567&q=ladkrabang&um=1&ie=UTF-8&hl=th&sa=N&tab=wl
<http://www.eptg-acsc.co.th/consultant/sd/images/projects/1376376634.jpg>

A COMPLICATED CORRIDOR





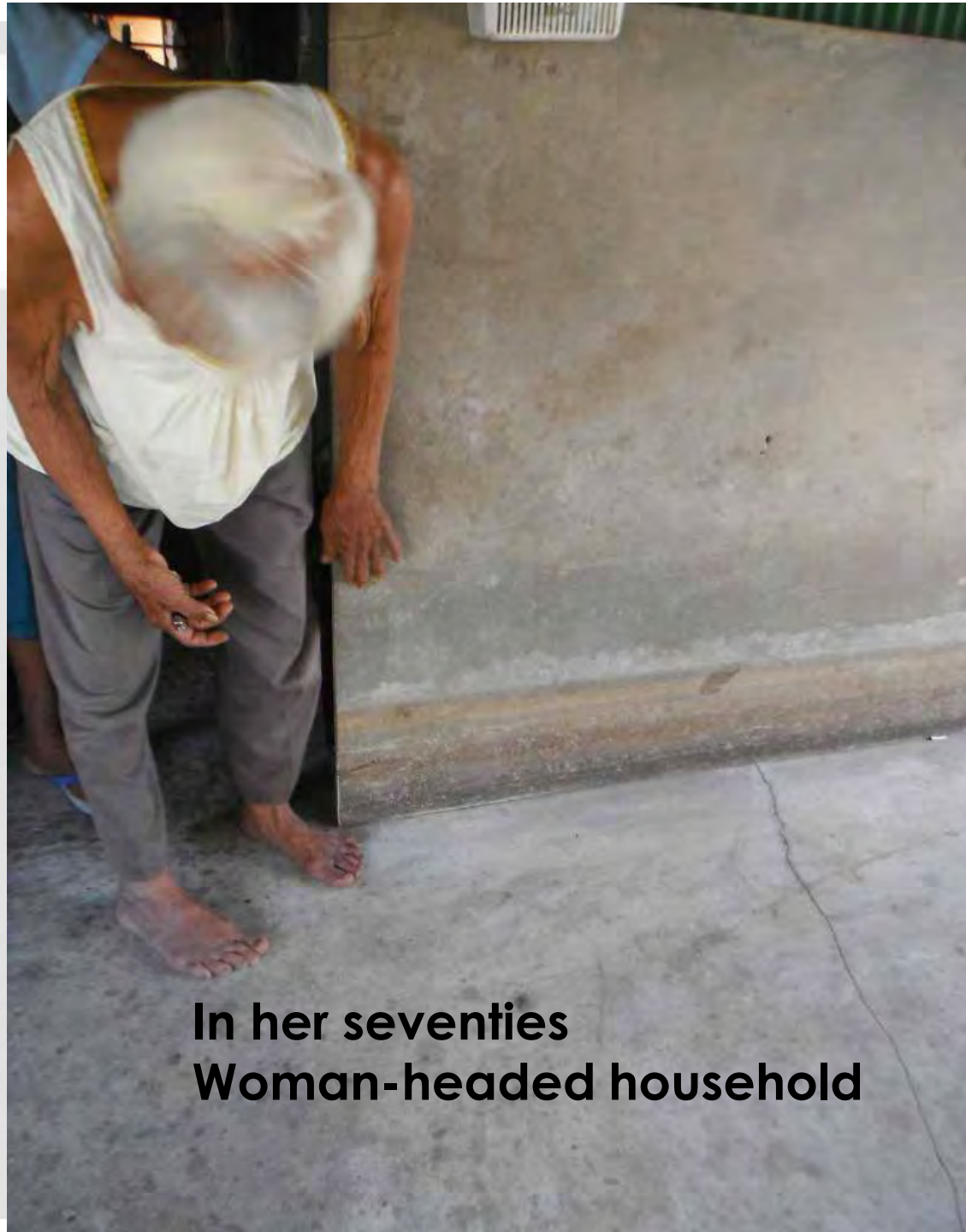
Ecosystem services

Fishing

morning glory

water minosa

Polluted water



**In her seventies
Woman-headed household**

2010-2011 FLOODS



HONDA PLANT



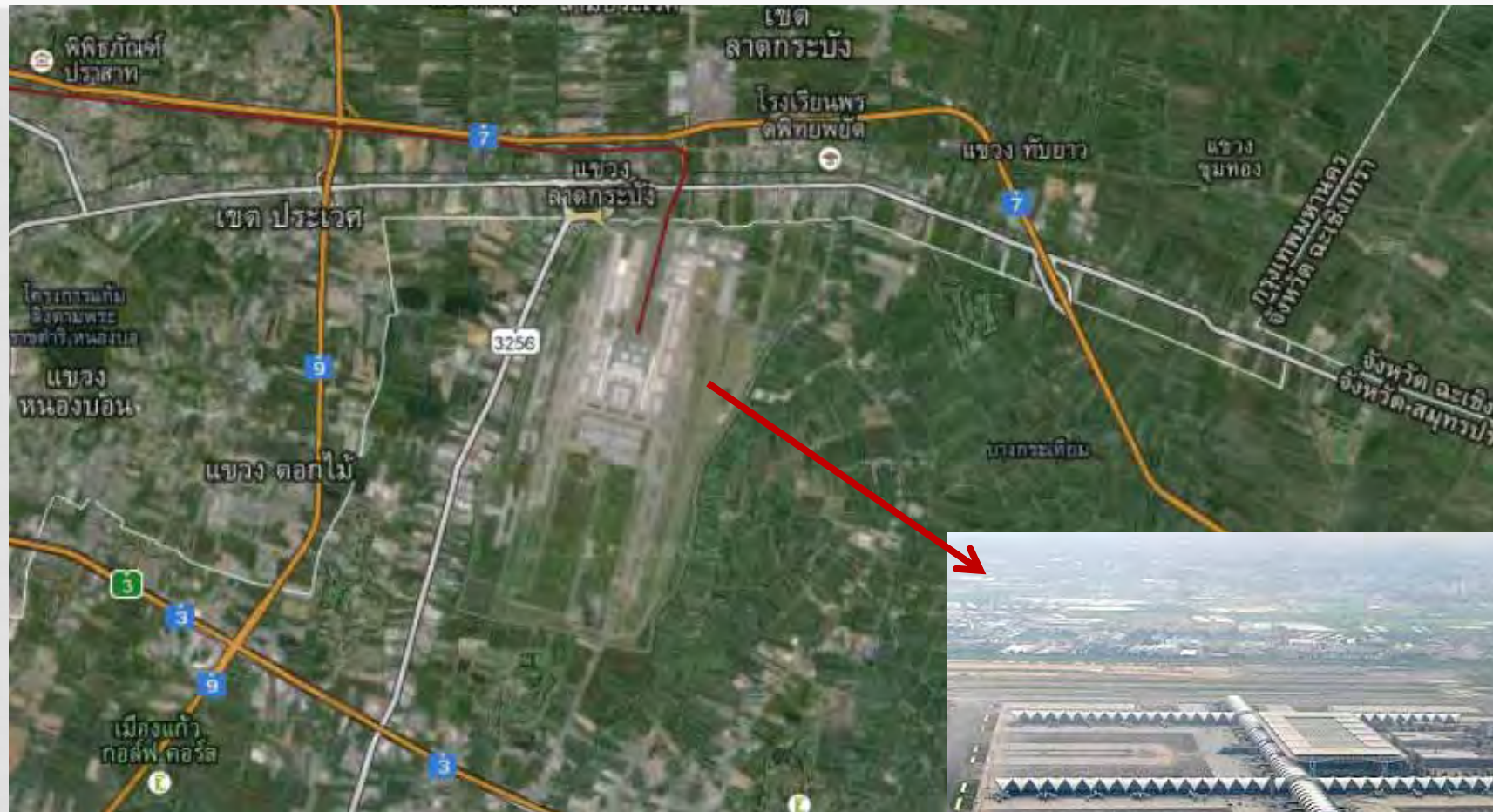
http://visboo.com/img/five/honda_factory_turned_into_swamp_640_02.jpg
<http://www.acu.ac.th/acu/waterislife/images/flood/1.jpg>

http://img.tnews.co.th/tnews_1320403983_7888.jpg
<http://board.postjung.com/data/592/592311-img-9.jpg>

LADKRABANG INDUSTRIAL ESTATE RESPONSE



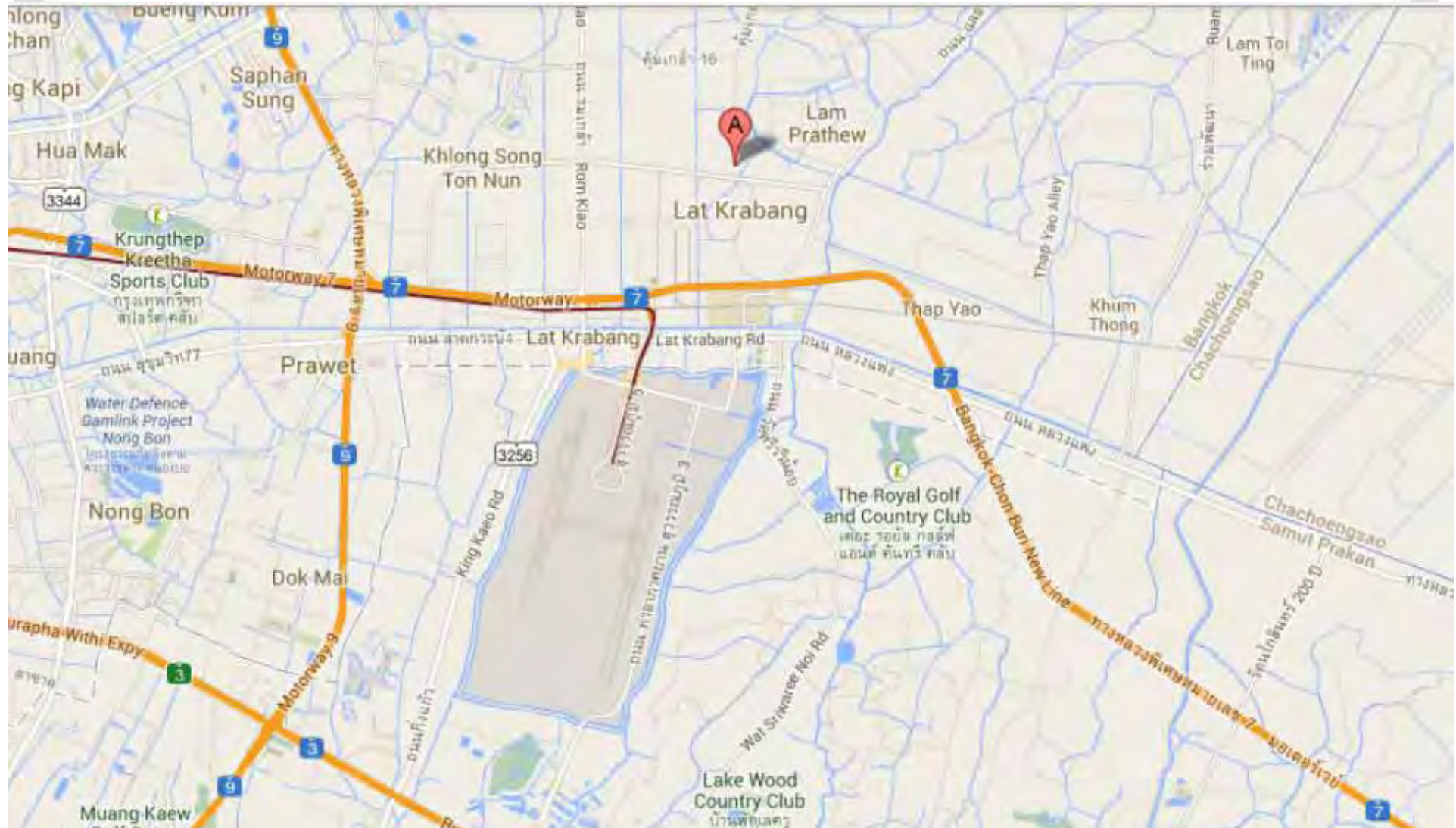
INTL. AIRPORT, THE KEY ELEMENT OF MEGACITY SYSTEMS



https://maps.google.co.th/maps?aq=&rlz=1T4WQIA_enTH566TH567&q=ladkrabang&um=1&ie=UTF-8&hl=th&sa=N&tab=wl

<http://www.pattayamail.com/664/pictures/n14-3-664.jpg>

THE DISPLACED FROM THE AIRPORT



Source:

<https://maps.google.co.th/maps?hl=en&q=%E0%B8%AB%E0%B8%99%E0%B8%AD%E0%B8%87%E0%B8%87%E0%B8%B9%E0%B9%80%E0%B8%AB%E0%B9%88%E0%B8%B2+2530&ie=UT>

DYNAMICS OF ASSETS: DISPOSSESSION OF FARMLAND AND GREATER WAGED DEPENDENCY

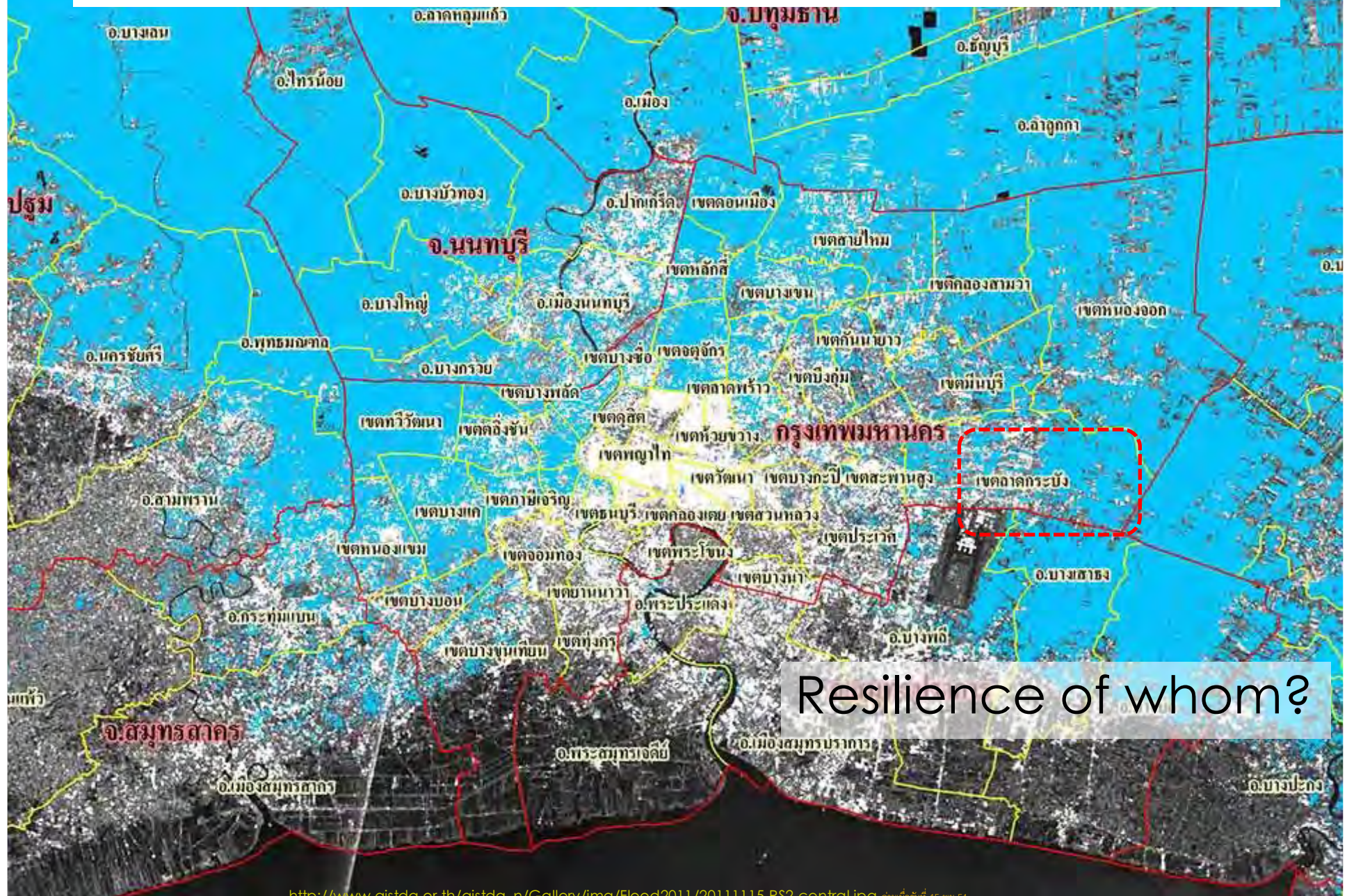
- 80,000 m² → 200 m²
(20 ac → 0.5 ac)
- Mixed agricultural and industrial livelihoods → industrial laborers
- Aging population in transition
- Food supply and household expense



NOISE POLLUTION



FLOODS IN 2010-2011

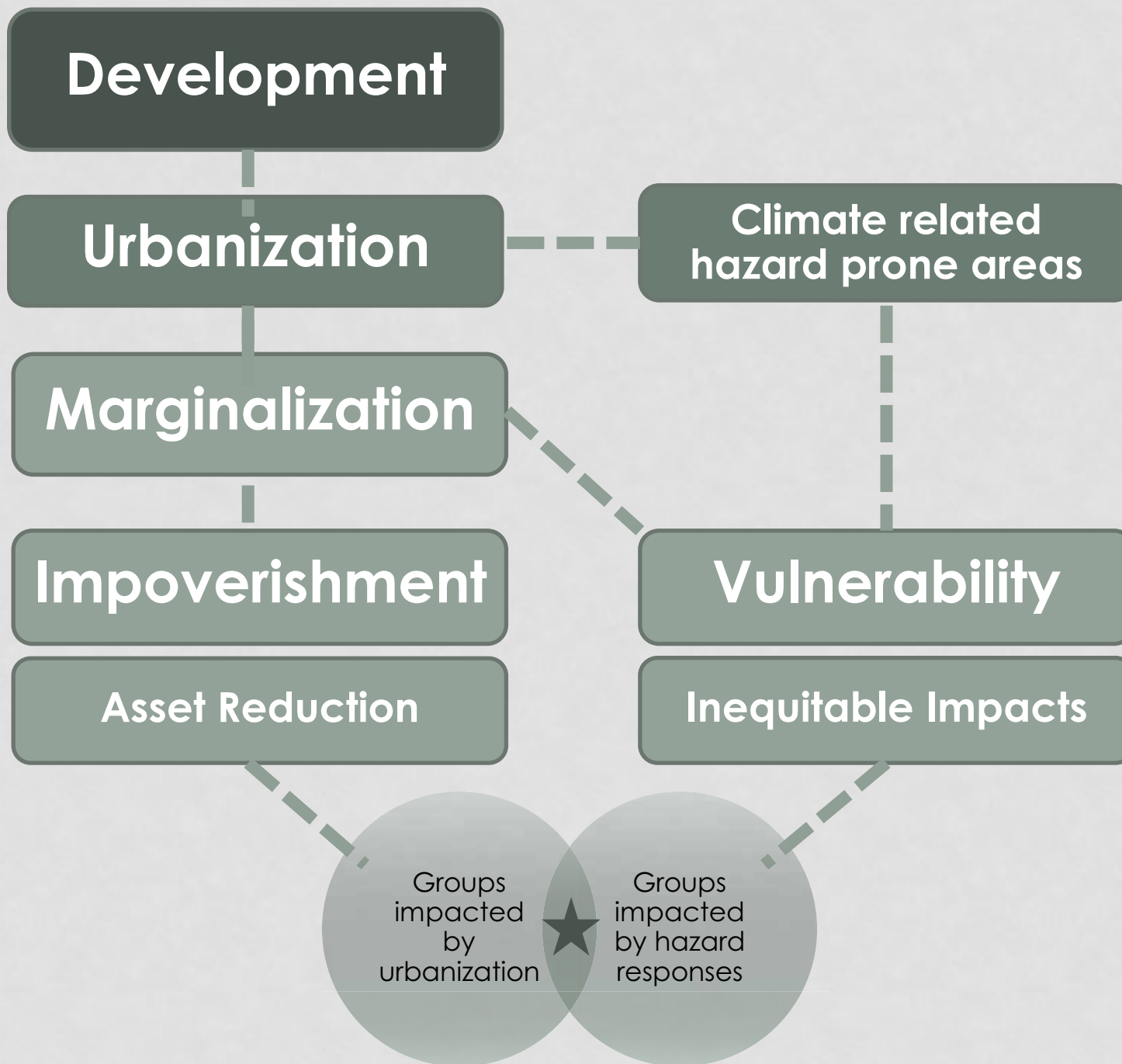


Resilience of whom?

2010-2011 Floods

- 3 months long of flooding
- Water polluted
- Walk: to access main road during floods





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 - Pawatpong Jampatong
 - Phoonsri. Sakpanpanom
 - Pisit Sukkan



THANK YOU FOR YOUR ATTENTIONS

Questions and comments are highly welcome.