การจัดประชุมกลุ่มย่อย

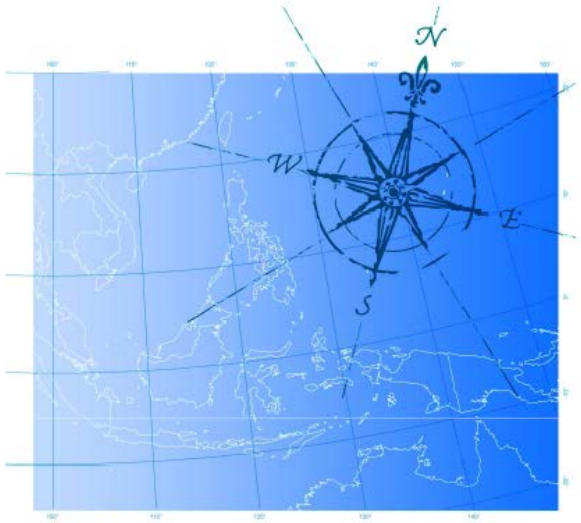
โครงการศึกษาผลกระทบจากการเปลี่ยนแปลงและความแปรปรวนของสภาพภูมิอากาศ
ในอนาคต ความล่อแหลม เปราะบางและการปรับตัวของภาคส่วนที่สำคัญ

ทรัพยากรน้ำ

(แผนที่ความเปราะบาง)

วันอังคารที่ 22 กันยายน พ.ศ. 2558

ณ ห้องบุษบา ชั้น 1 โรงแรมแมนดาริน พระราม 4 เขตบางรัก กทม. 10500



Vulnerability

Exposure

Multiple hazard risk exposure

Sensitivity

Human & ecology

Adaptive Capacity

Socio-economic
Technology
infrastructure

Climate model (AR5), Observed data

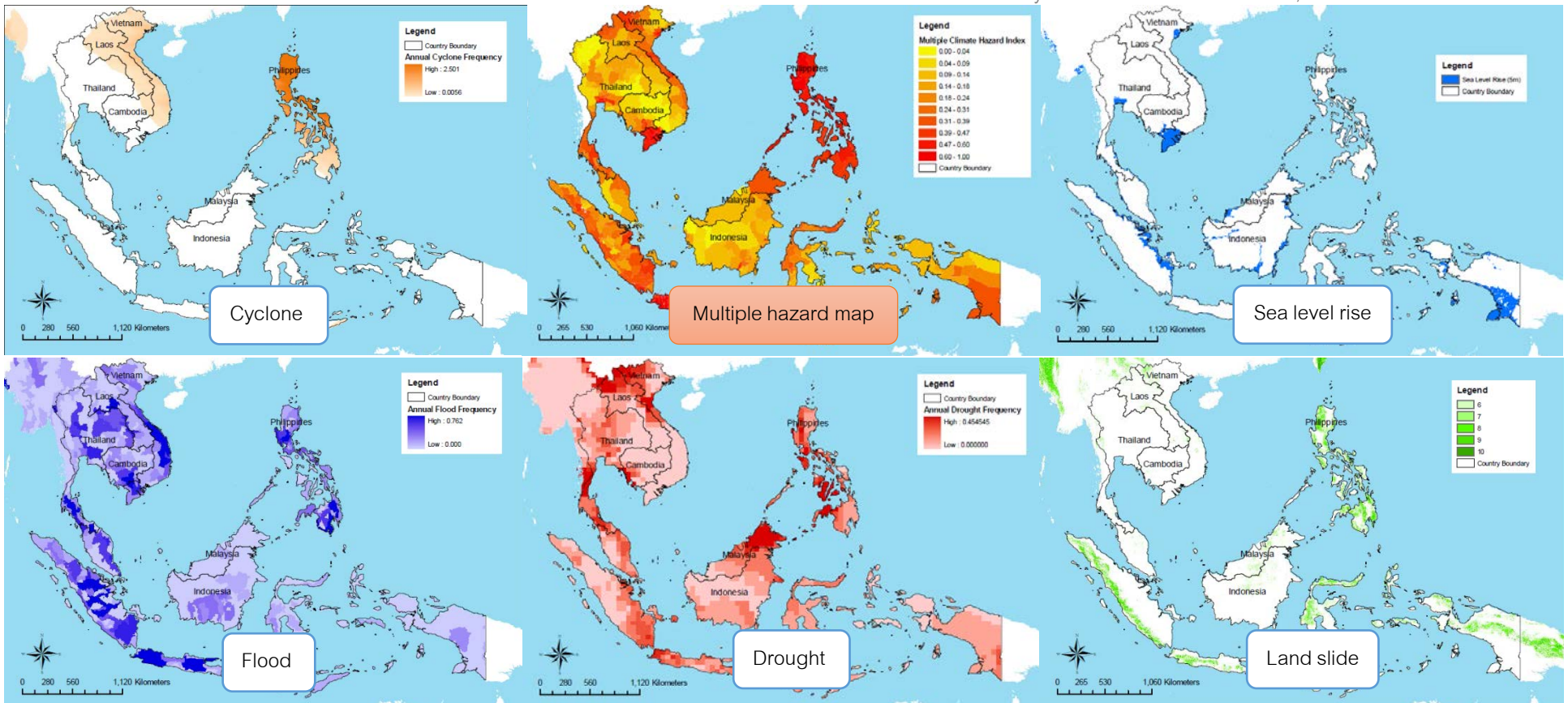
Socio-economic model: cohort-component, input-output model with future development plan scenarios

Exposure

Exposure is defined by IPCC as “the nature and degree to which a system is exposed to significant climatic variations”

Multiple hazard = f (Cyclone, Flood, Drought, Land slide, Sea level rise), weight = 0.2

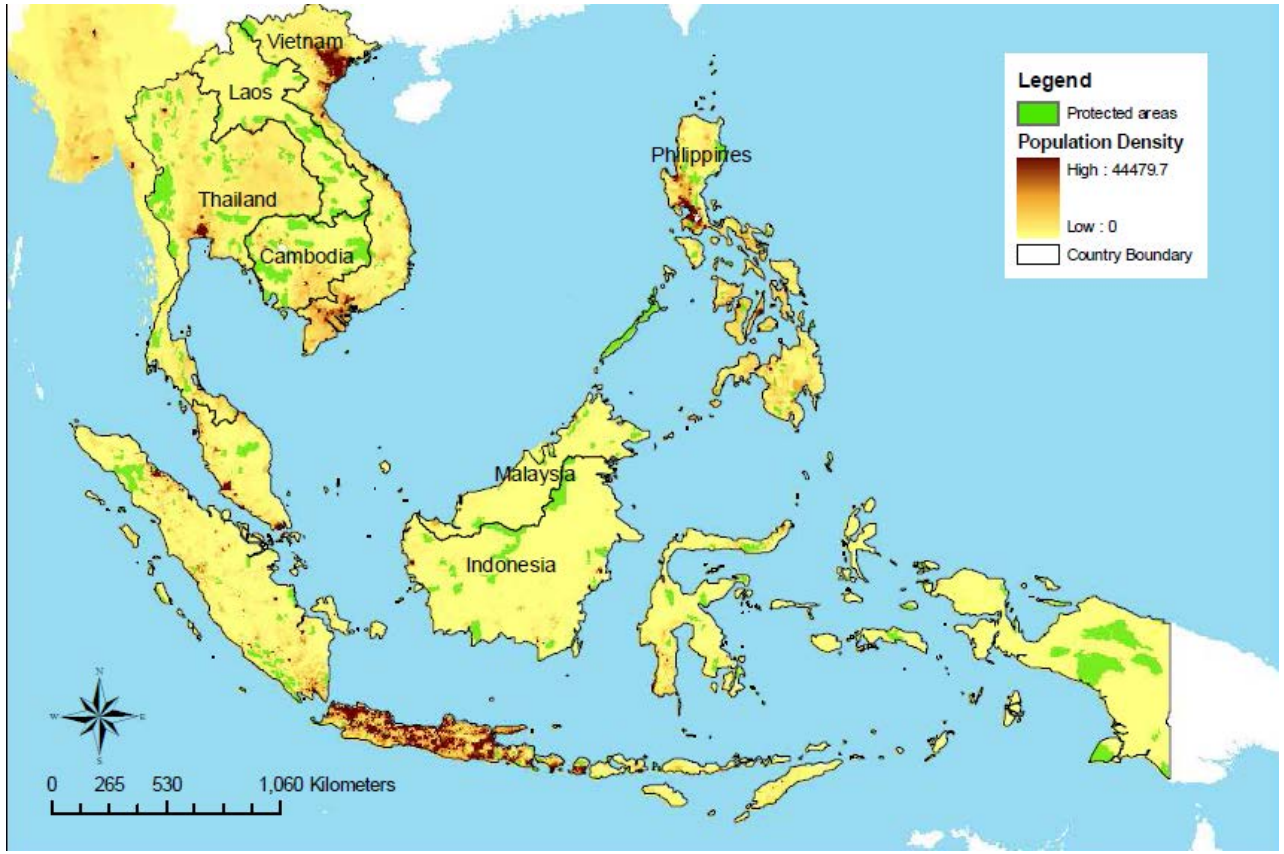
Source: Arief Anshory Yusuf & Herminia Francisco, 2009



Sensitivity

Sensitivity is defined as “the degree to which a system is affected, either adversely or beneficially, by climate-related stimuli” (IPCC)

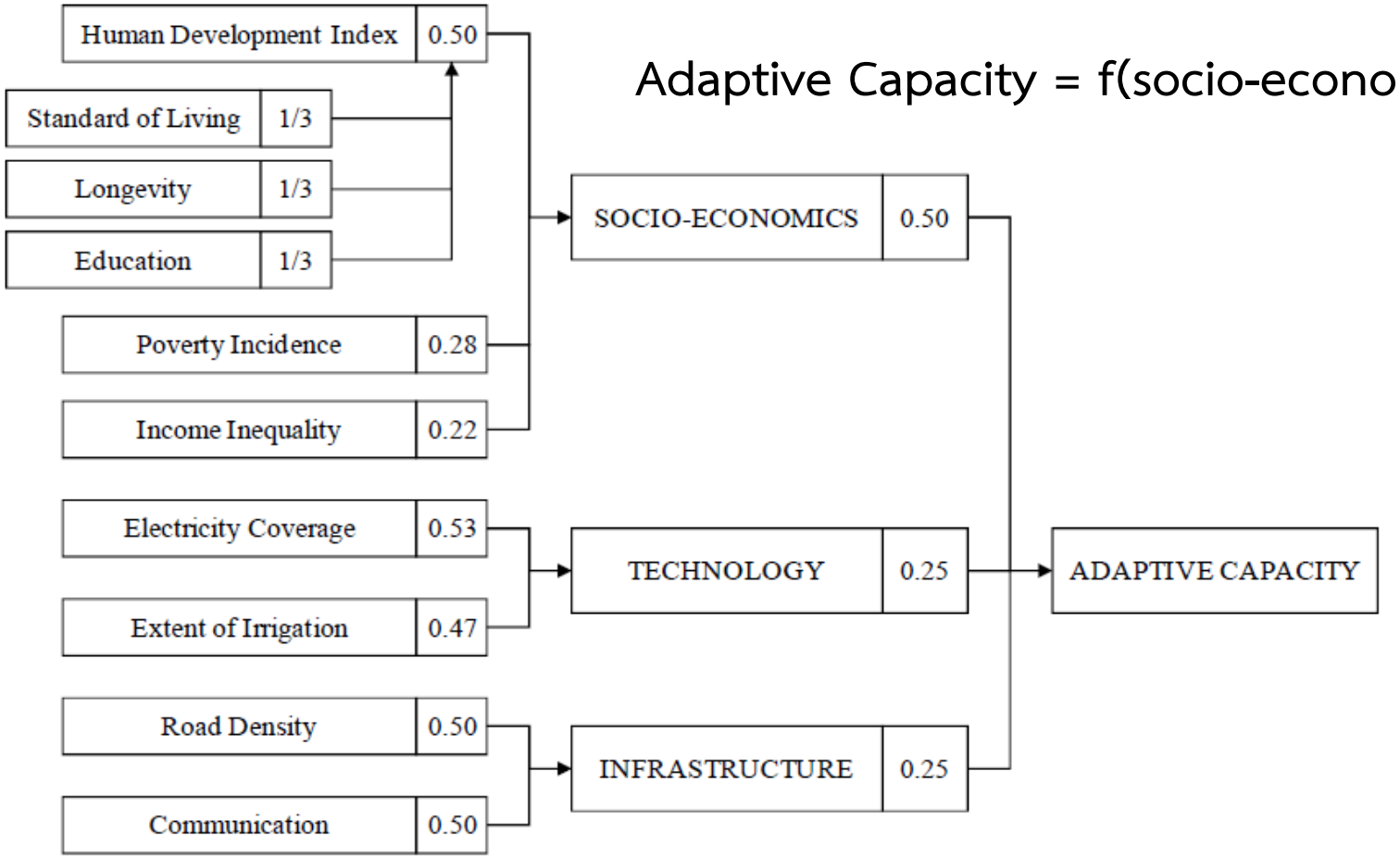
Sensitivity = f (Human & ecology), weight = 0.7, 0.3



Source: Arief Anshory Yusuf & Herminia Francisco, 2009

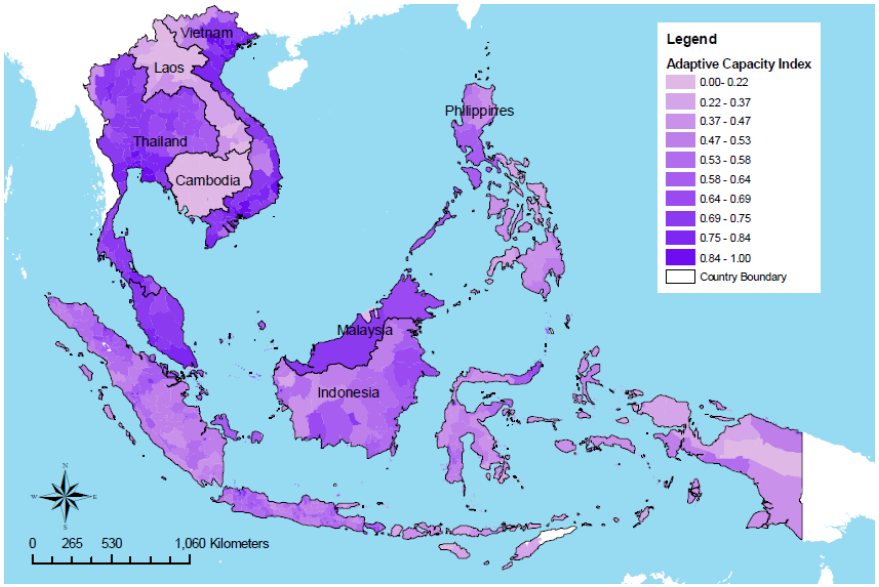
Adaptive capacity

Adaptive capacity is defined as “the ability of a system to adjust to climate change (including climate variability and extremes), to moderate the potential damage from it, to take advantage of its opportunities, or to cope with its consequences”. (IPCC)



Adaptive Capacity = f(socio-economic factors, technology, infrastructure),

weight = 0.5, 0.25, 0.25

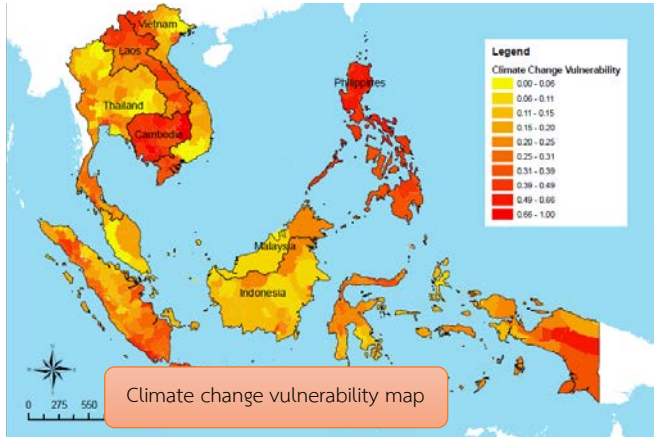


Source: Arief Anshory Yusuf & Herminia Francisco, 2009

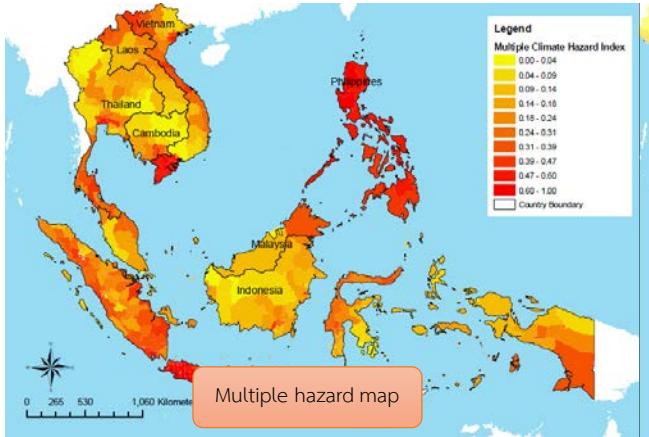
Vulnerability

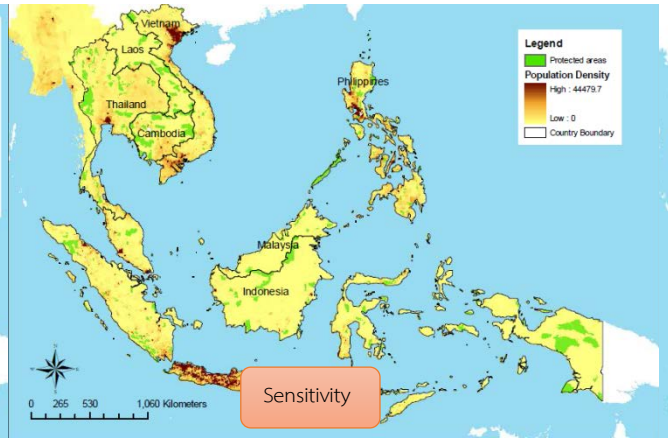
Vulnerability is defined as: “The degree to which a system is susceptible to, or unable to cope with the adverse effects of climate change, including climate variability and extremes. Vulnerability is a function of the character, magnitude, and rate of climate variation to which a system is exposed, its sensitivity, and its adaptive capacity” (IPCC)

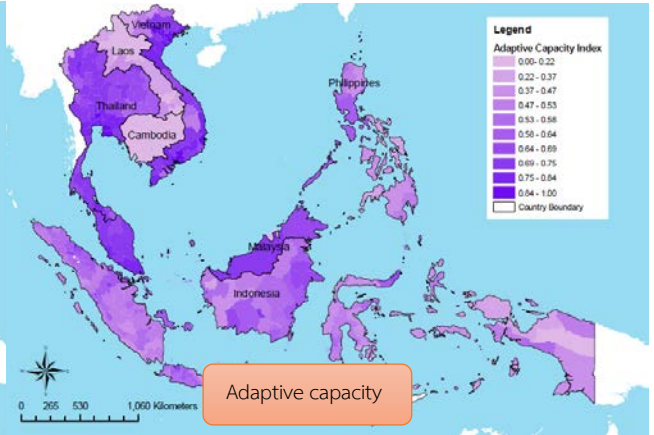
Vulnerability = f(exposure, sensitivity, adaptive capacity), weight = 1/3



Source: Arief Anshory Yusuf & Herminia Francisco, 2009







End of part II

Exposure

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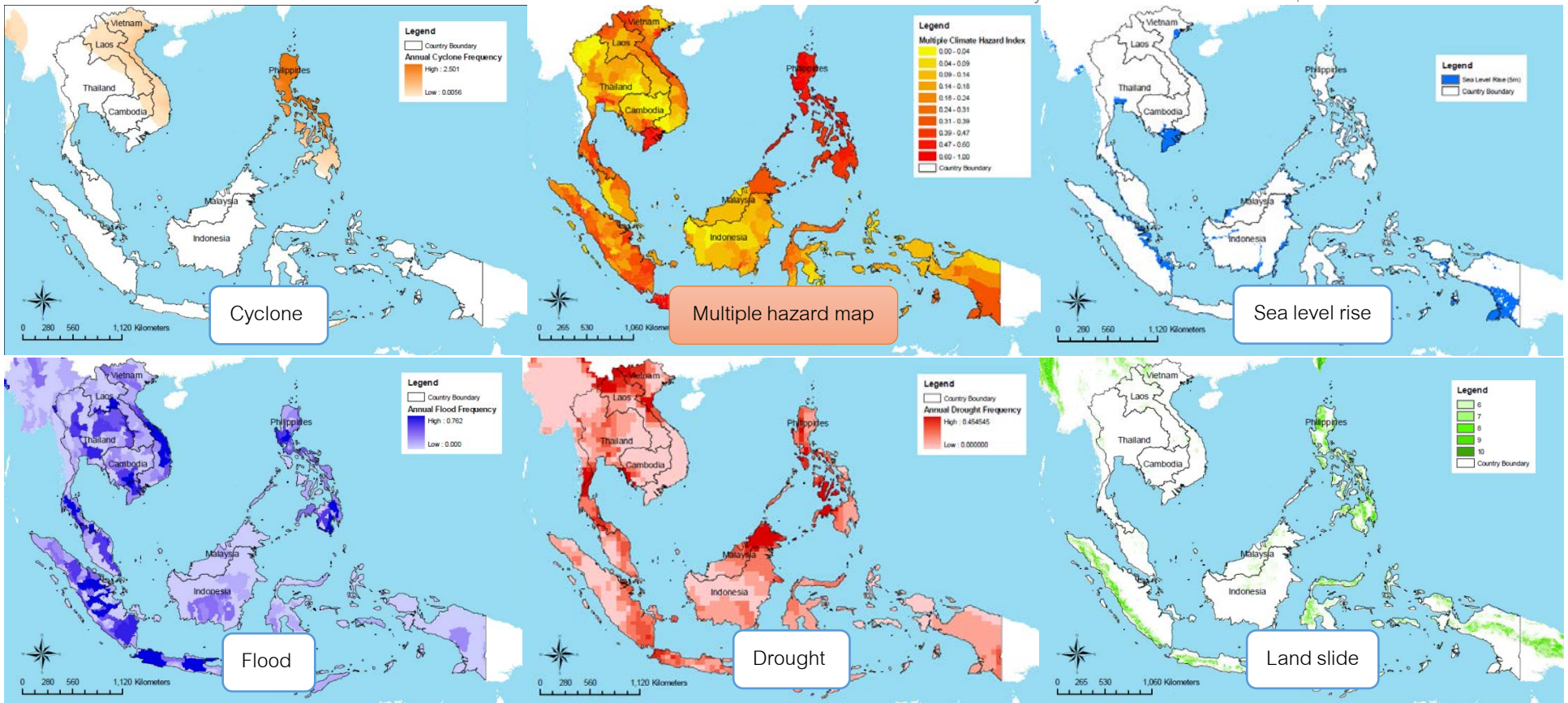
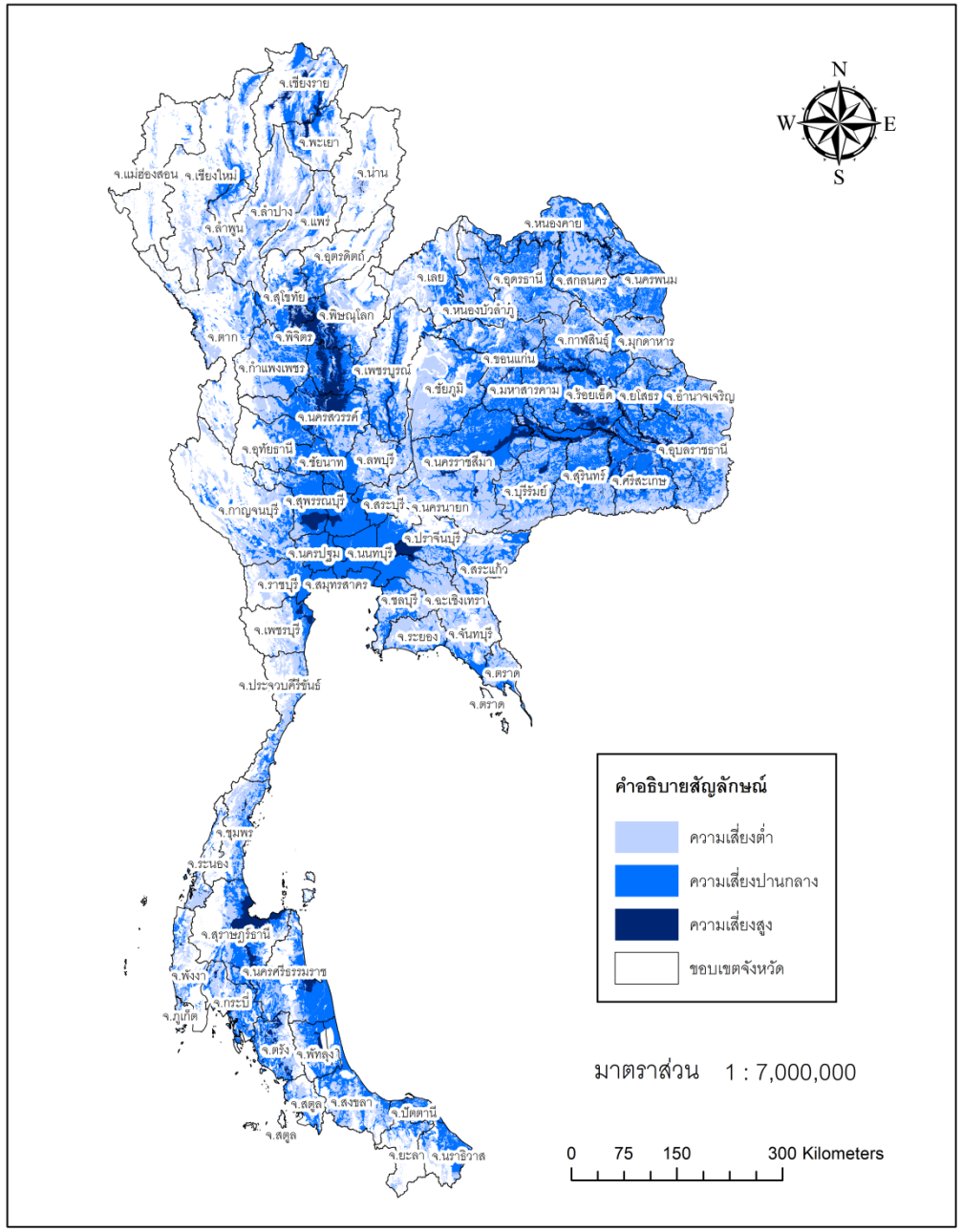
Multiple hazard = f (Cyclone, Flood, Drought, Land slide, Sea level rise), weight = 0.2

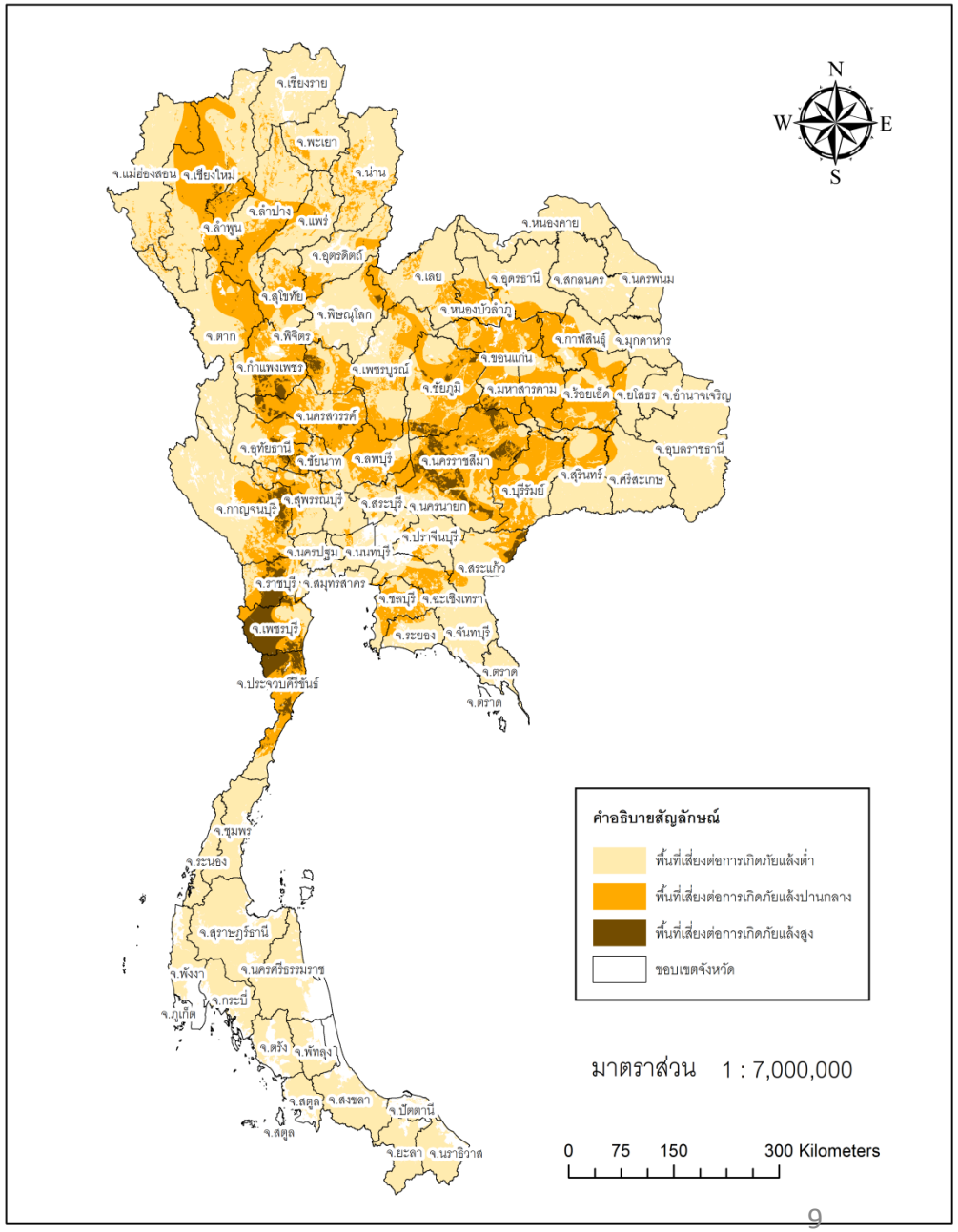
Source: Arief Anshory Yusuf & Herminia Francisco, 2009



แผนที่แสดงพื้นที่เสี่ยงภัยพิบัติ (น้ำท่วม)



แผนที่แสดงพื้นที่เสี่ยงภัยพิบัติ (แล้ง)



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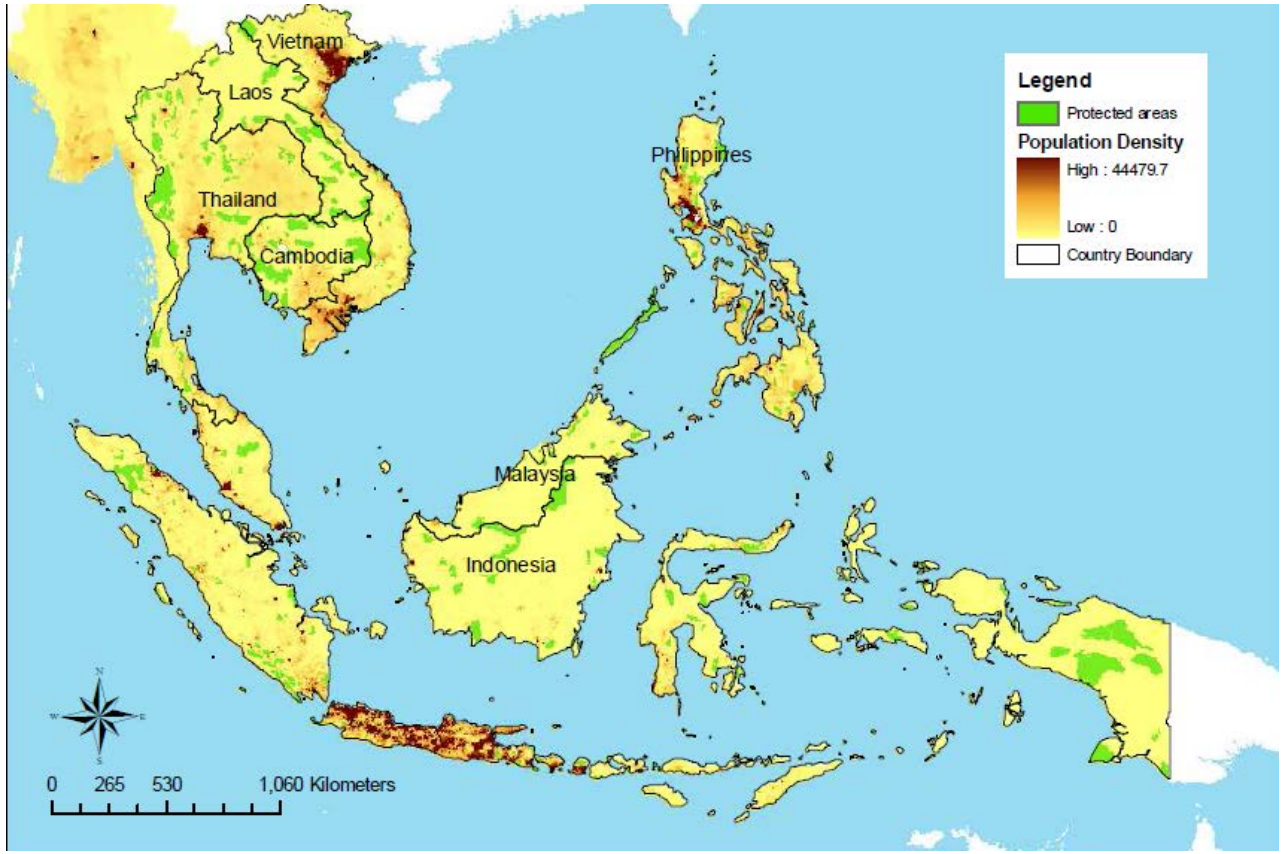
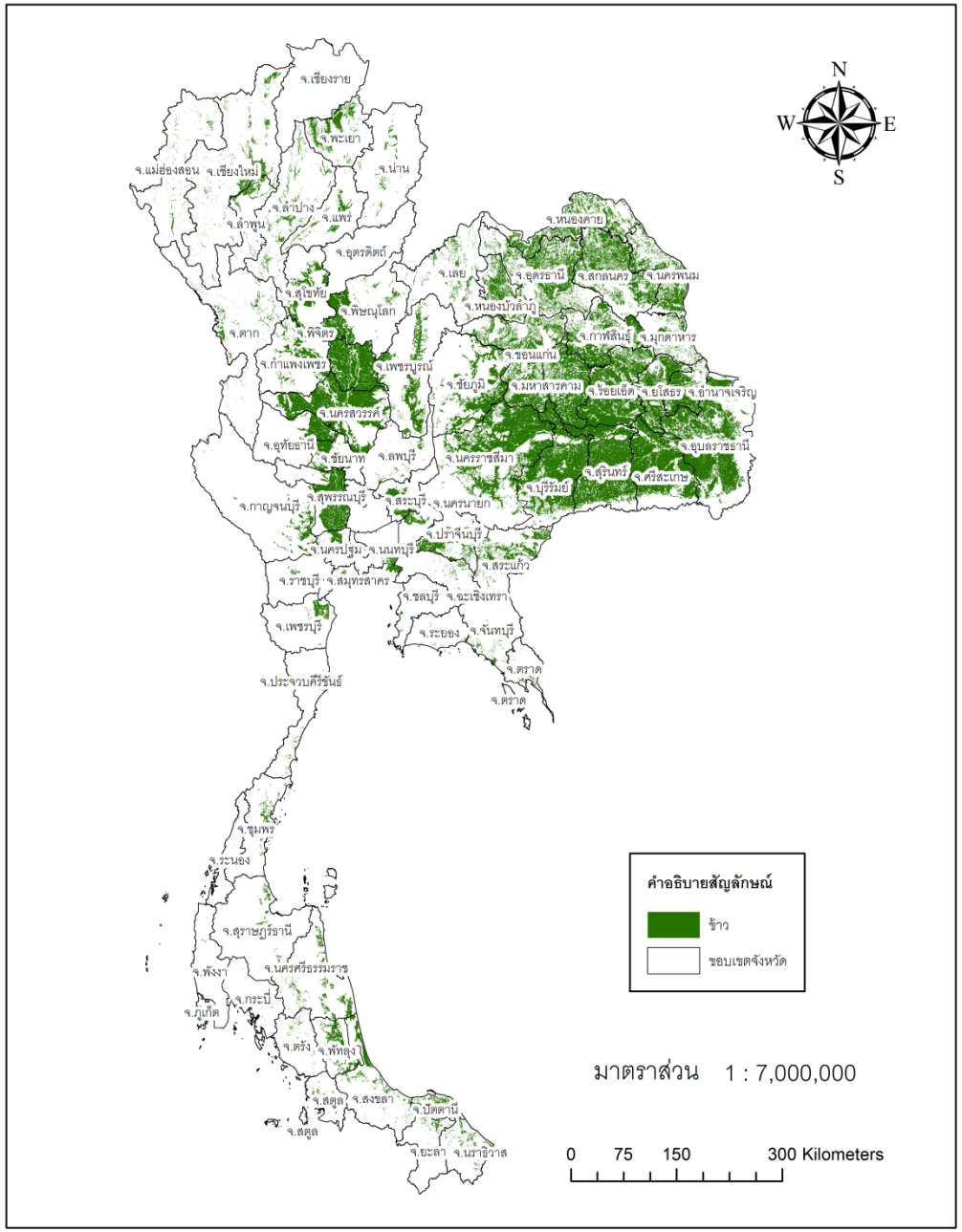
Sensitivity = f (Human & ecology), weight = 0.7, 0.3

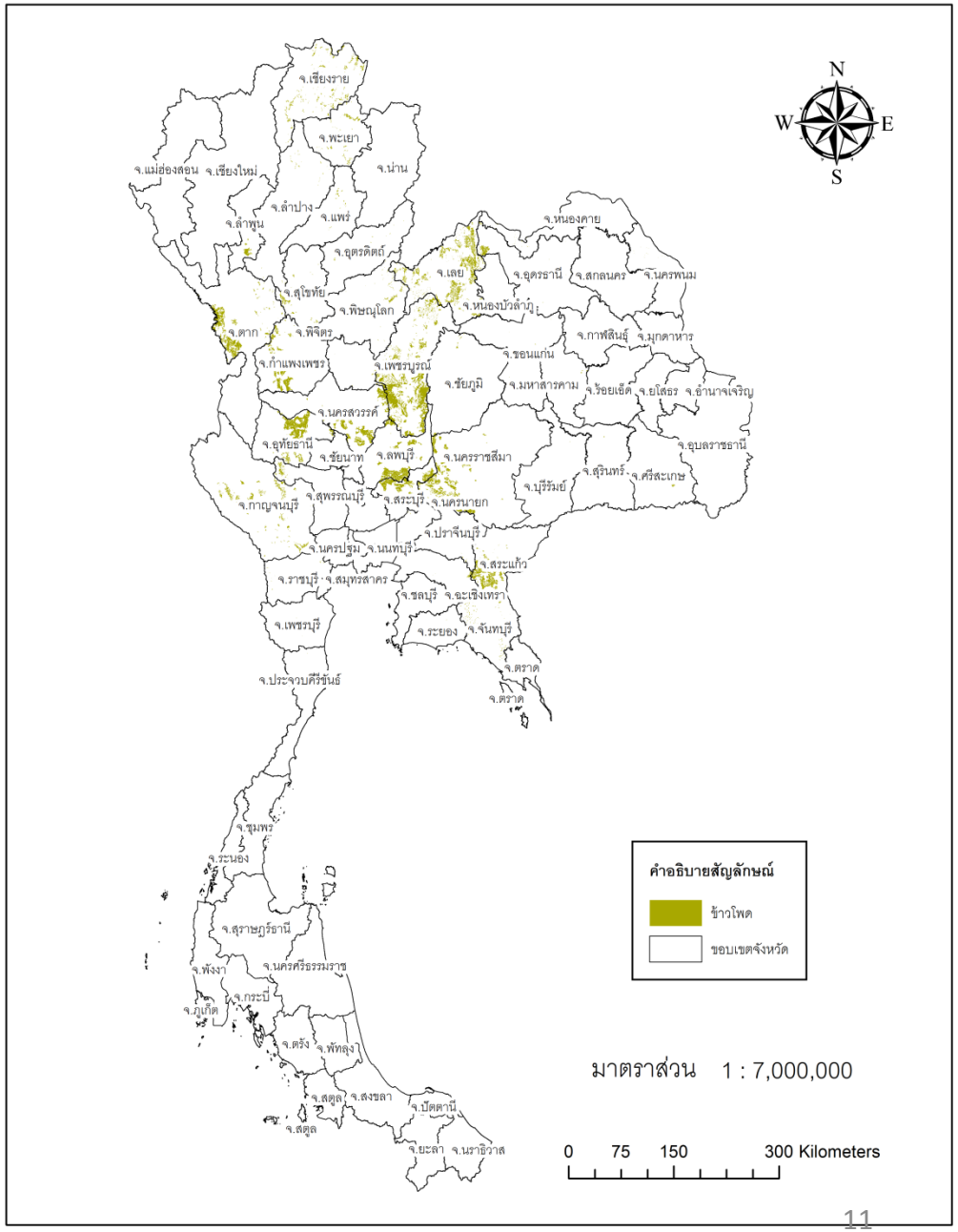


Source: Arief Anshory Yusuf & Herminia Francisco, 2009

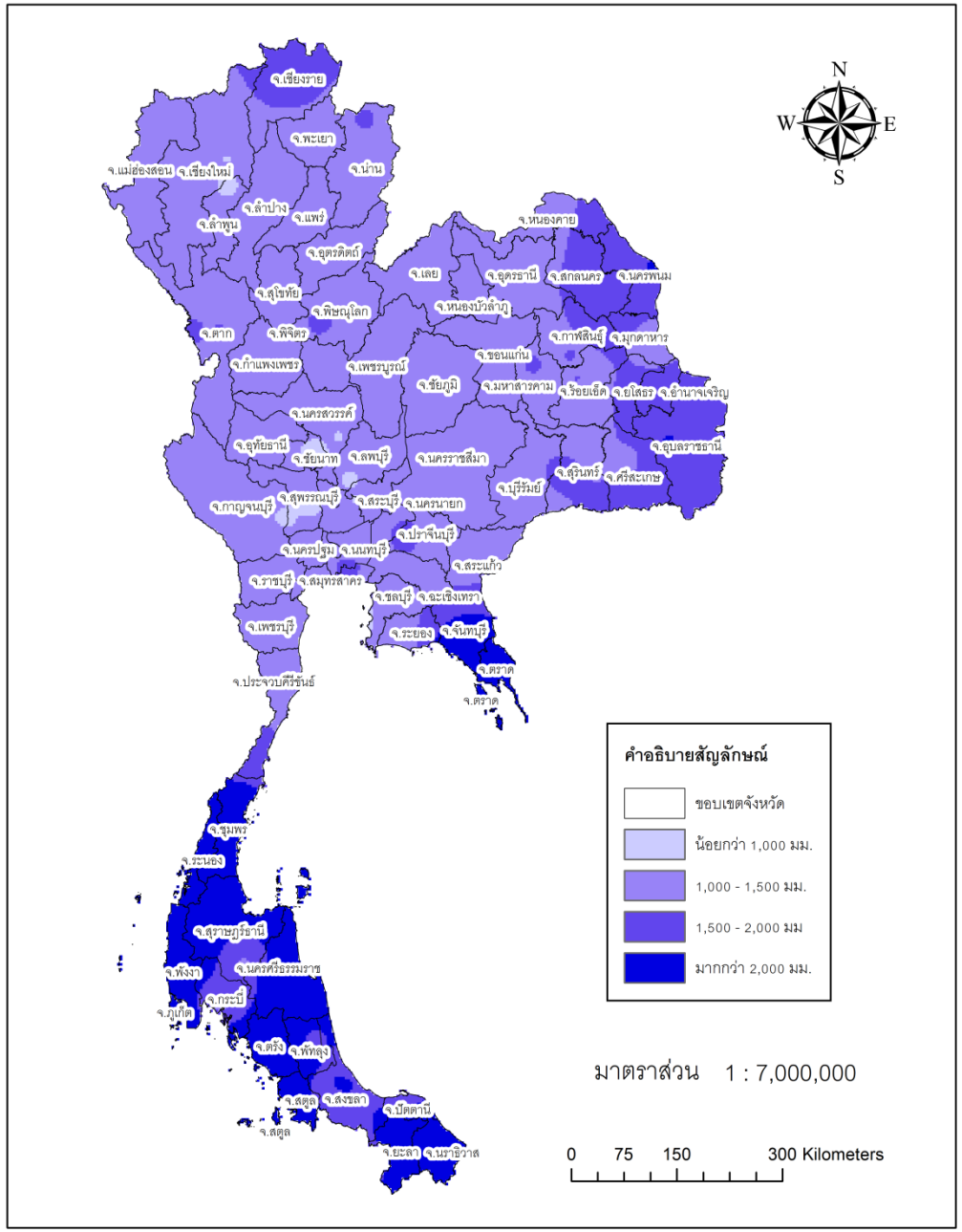
แผนที่แสดงพื้นที่ปลูกข้าว



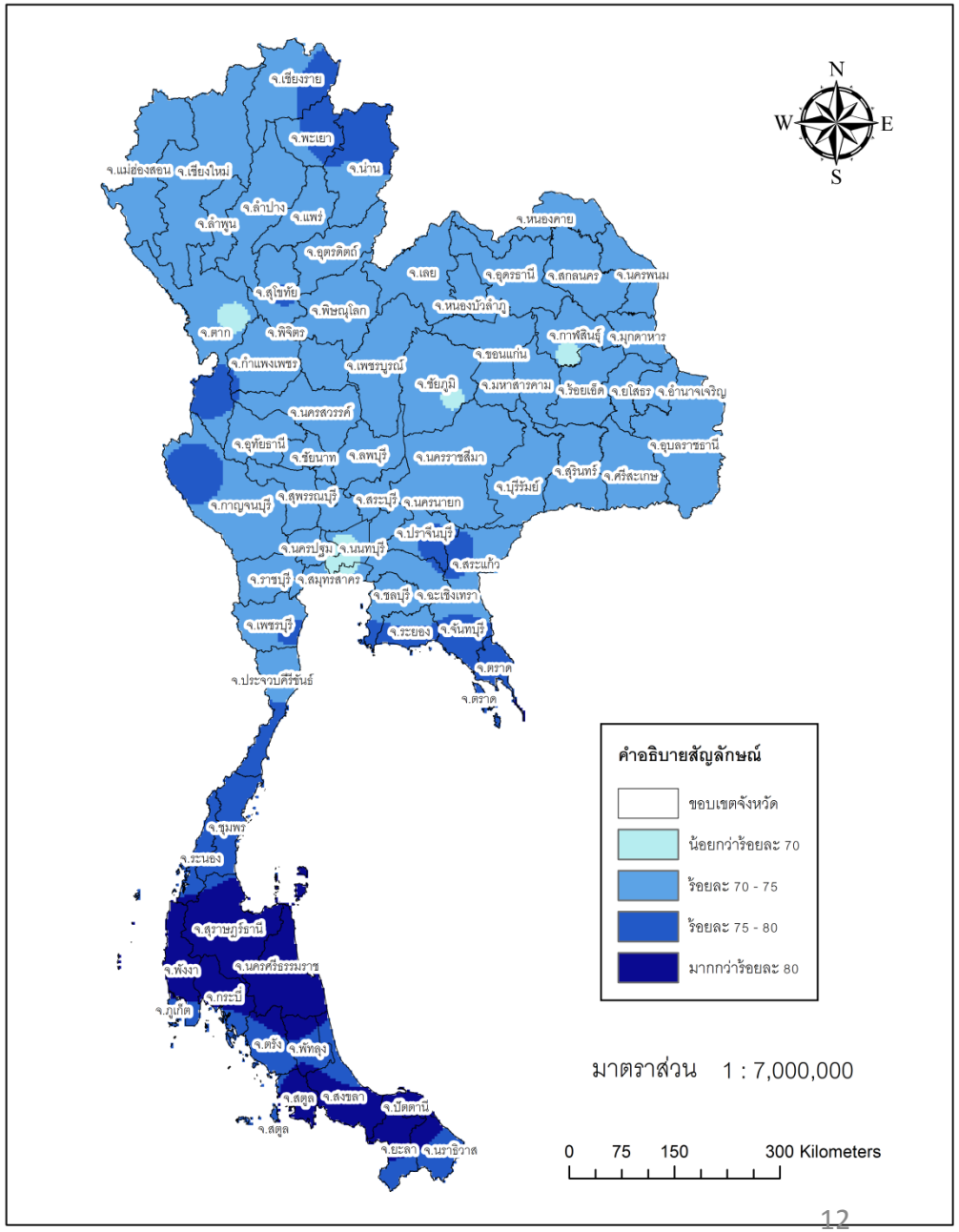
แผนที่แสดงพื้นที่ปลูกข้าวโพด



แผนที่แสดงปริมาณฝนปี พ.ศ. 2550



แผนที่ความชื้นปี พ.ศ. 2550



Adaptive capacity

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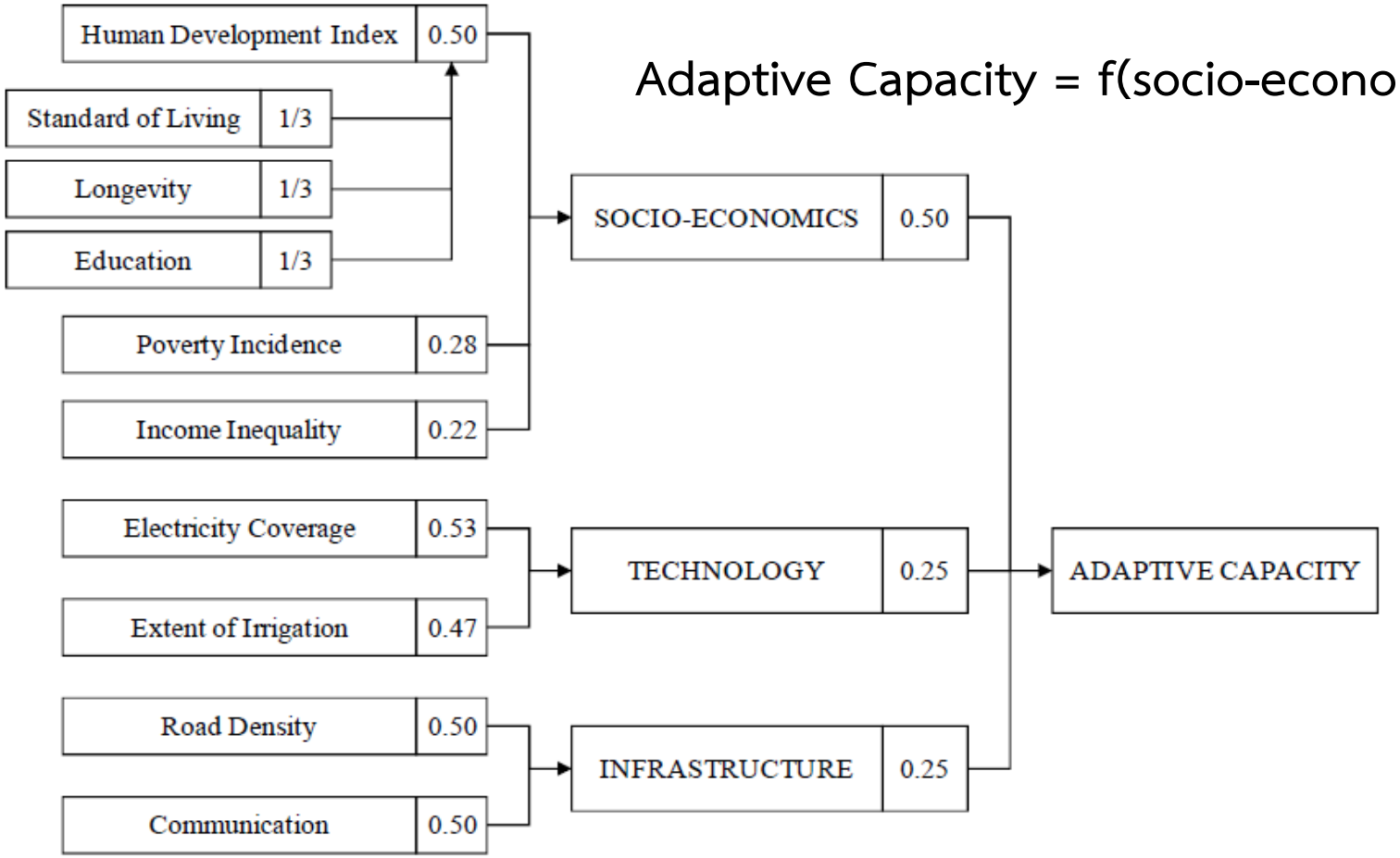
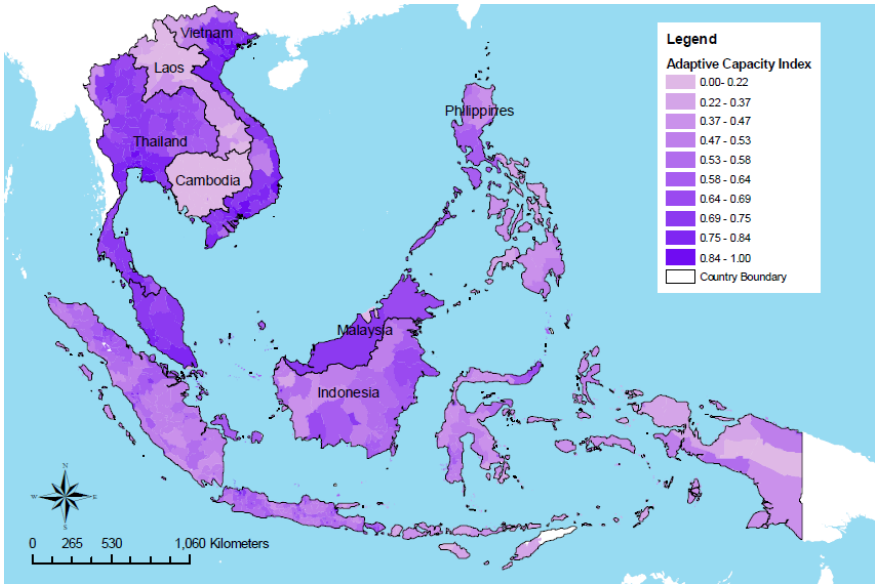


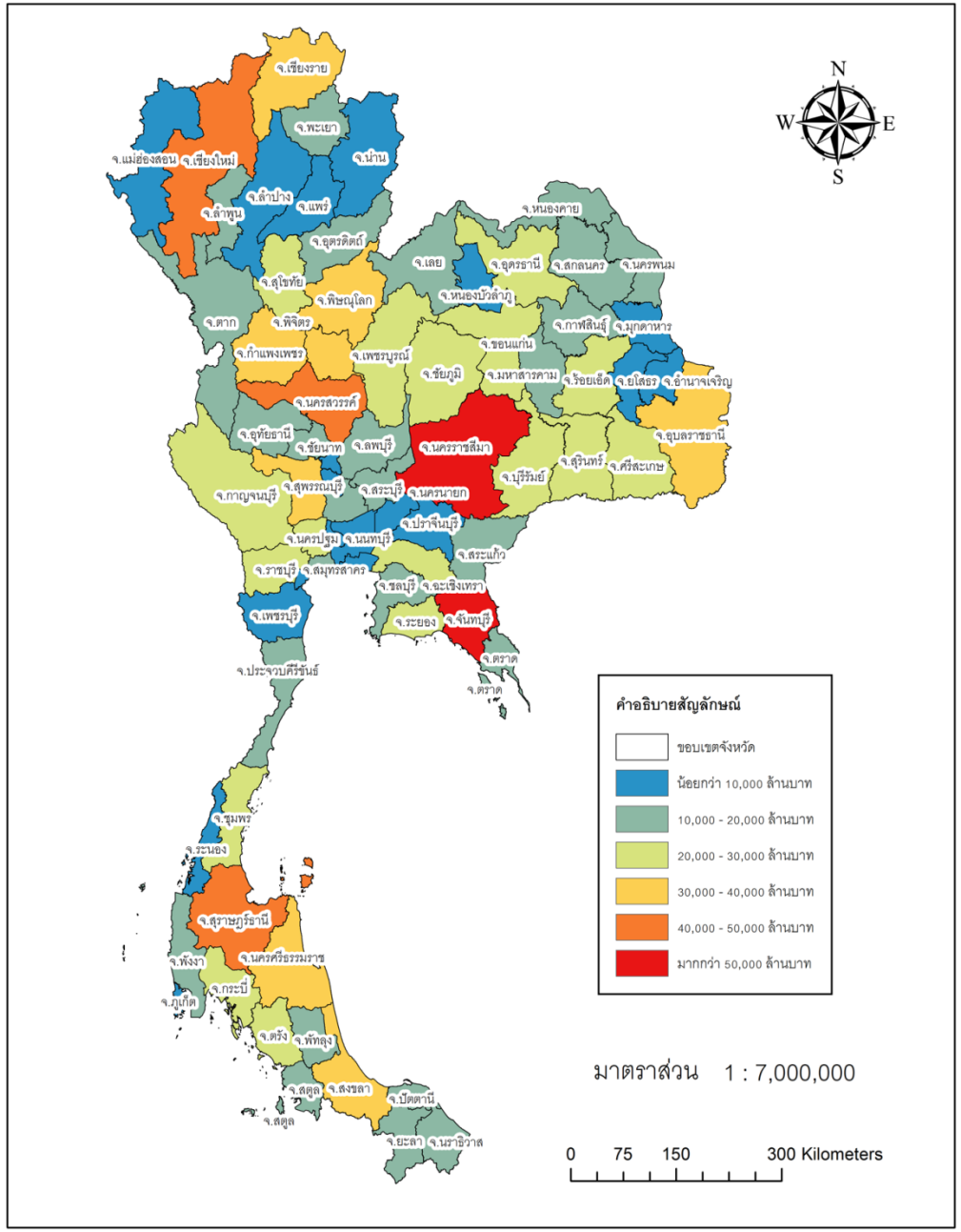
Adaptive Capacity = f(socio-economic factors, technology, infrastructure),

weight = 0.5, 0.25, 0.25

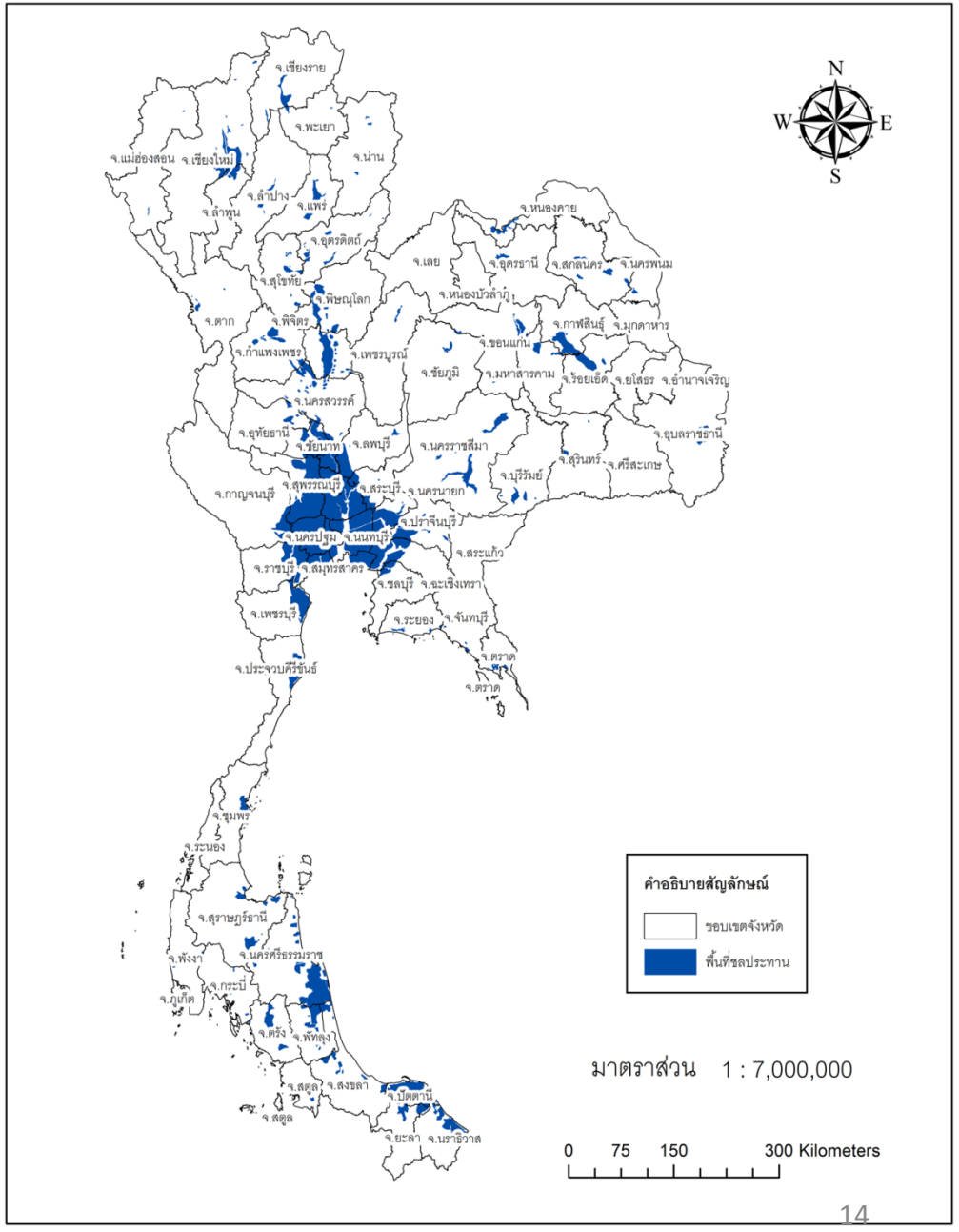


Source: Arief Anshory Yusuf & Herminia Francisco, 2009

แผนที่แสดงรายได้เฉลี่ยต่อหัว ปี พ.ศ. 2556



แผนที่แสดงพื้นที่ชลประทาน (ปี พ.ศ. 2549)



Adaptation ?

ขอบคุณครับ