



ກອງປະຊຸມສຳມະນາວິຊາການ ກ່ຽວກັບ ບັນຫາຜົນກະທົບຕໍ່ສຸຂະພາບຈາກມົນລະພິດໝອກຄວັນ ທີ່ເກີດຈາກການຈຸດເຜົາຢູ່ພື້ນທີ່ໂລ່ງ ແລະ ໄຟໄຫມ້ລາມປ່າ ໃຫ້ແກ່ຂະແໜງທ້ອງຖິ່ນ ແລະ ພື້ນທີ່ຄວາມ

ສ່ຽງ

19 ຕຸລາ 2023 ທີ່ຫ້ອງປະຊຸມຄລາວພລາຊາ, ນະຄອນຫຼວງວຽງຈັນ

# ການຕິດຕາມ ແລະ ປະເມີນຈຸດຄວາມຮ້ອນ ຂອງ ສປປ ລາວ

ສຄຊສ ຈຸດປະສານງານມົນລະພິດໝອກຄວັນຂ້າມຜ່ານຊາຍແດນແຫ່ງຊາດ  
ພະແນກແບບຈຳລອງ ໜ່ວຍປະຕິບັດງານວິຊາການມົນລະພິດໝອກຄວັນ  
ຕົ້ນ5ຊັ້ນ, ຊັ້ນ2, ຖະໜົນໜອງບຶກ, ເມືອງສີໂຄດຕະບອງ, ນະຄອນຫຼວງວຽງຈັນ  
[www.nreri.monre.gov.la](http://www.nreri.monre.gov.la)



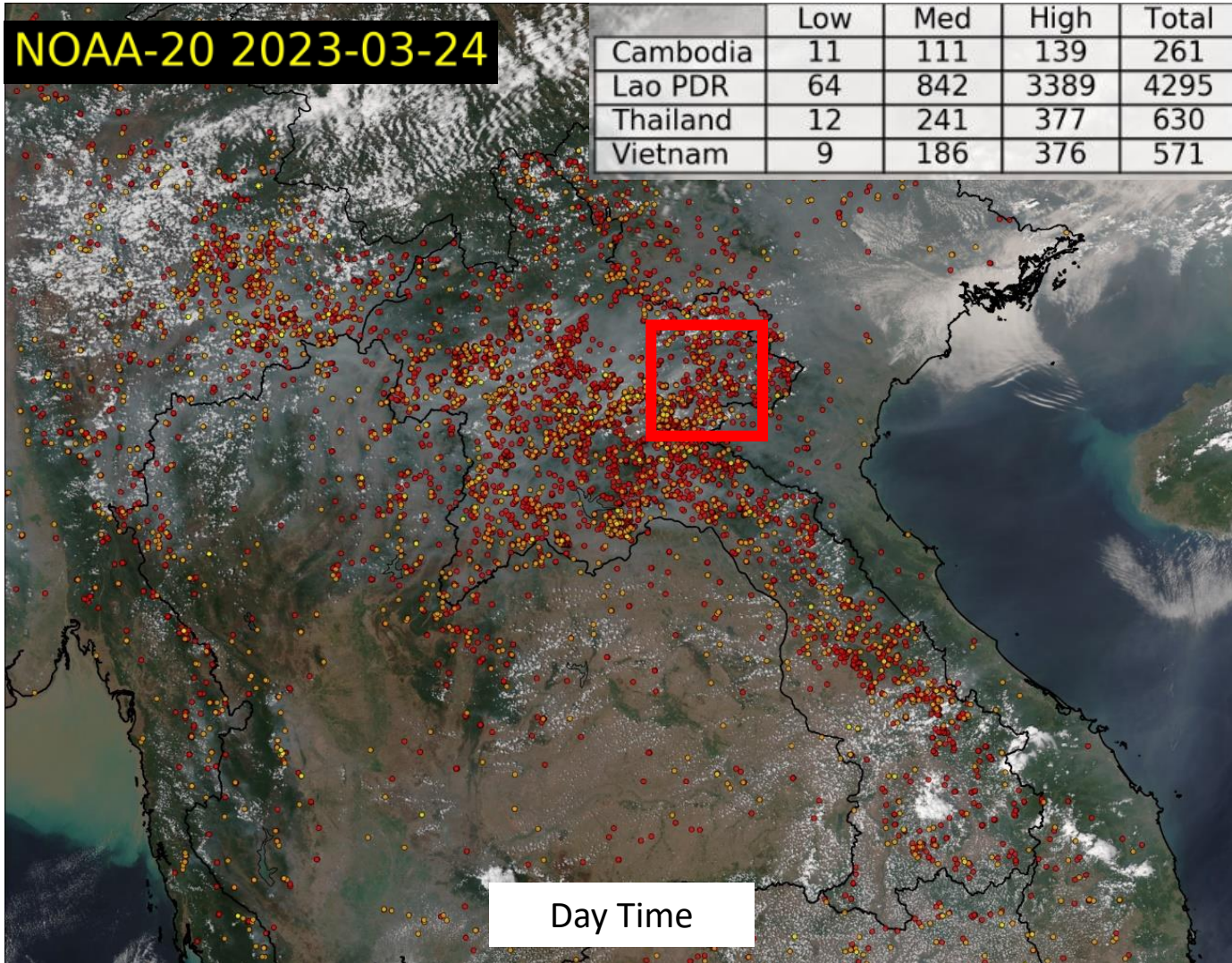
# Outline

1. ເຫດການໄພໄໝ້ໃນປີ 2023
2. ການວິເຄາະຂໍ້ມູນຈຸດຄວາມຮ້ອນ ແລະ ປະເມີນພື້ນທີ່ສ່ຽງທີ່ຈະເກີດໄພໄໝ້
3. ການໃຊ້ຂໍ້ມູນ VNF ປະເມີນຄືນເນື້ອທີ່ທີ່ຖືກໄພໄໝ້



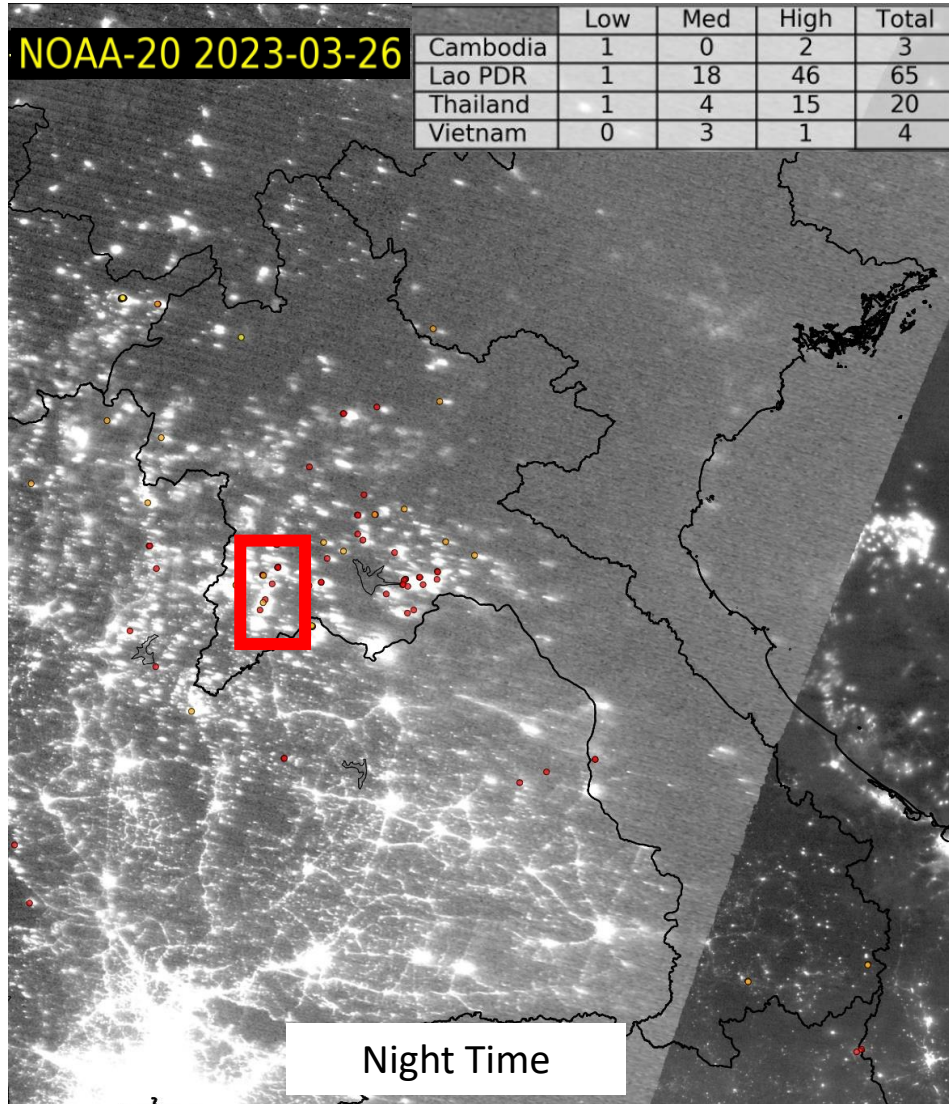
# ເຫດການໄພໄຫມ້ໃນປີ 2023

- Locals' images from the ground confirm that the hotspots observed were high confidence.





# ເຫດການໄພໄໝ້ໃນປີ 2023

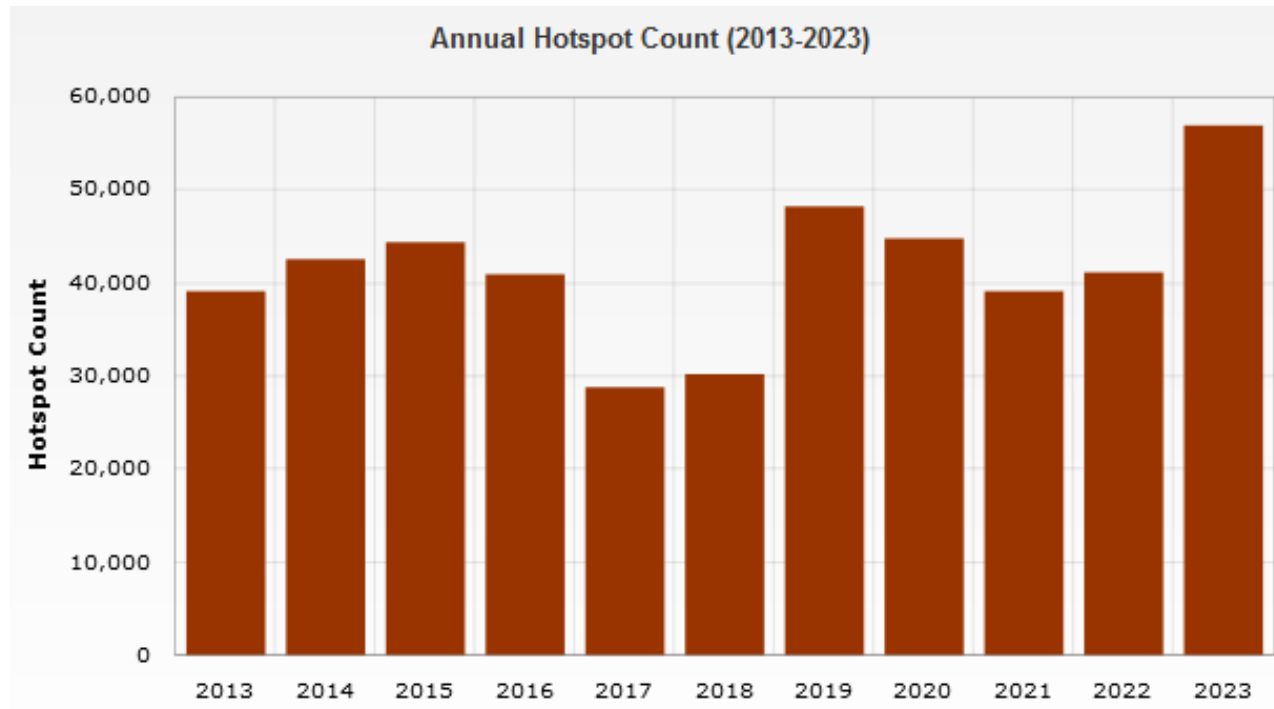


26 March 2023, ພູພະນັ່ງ

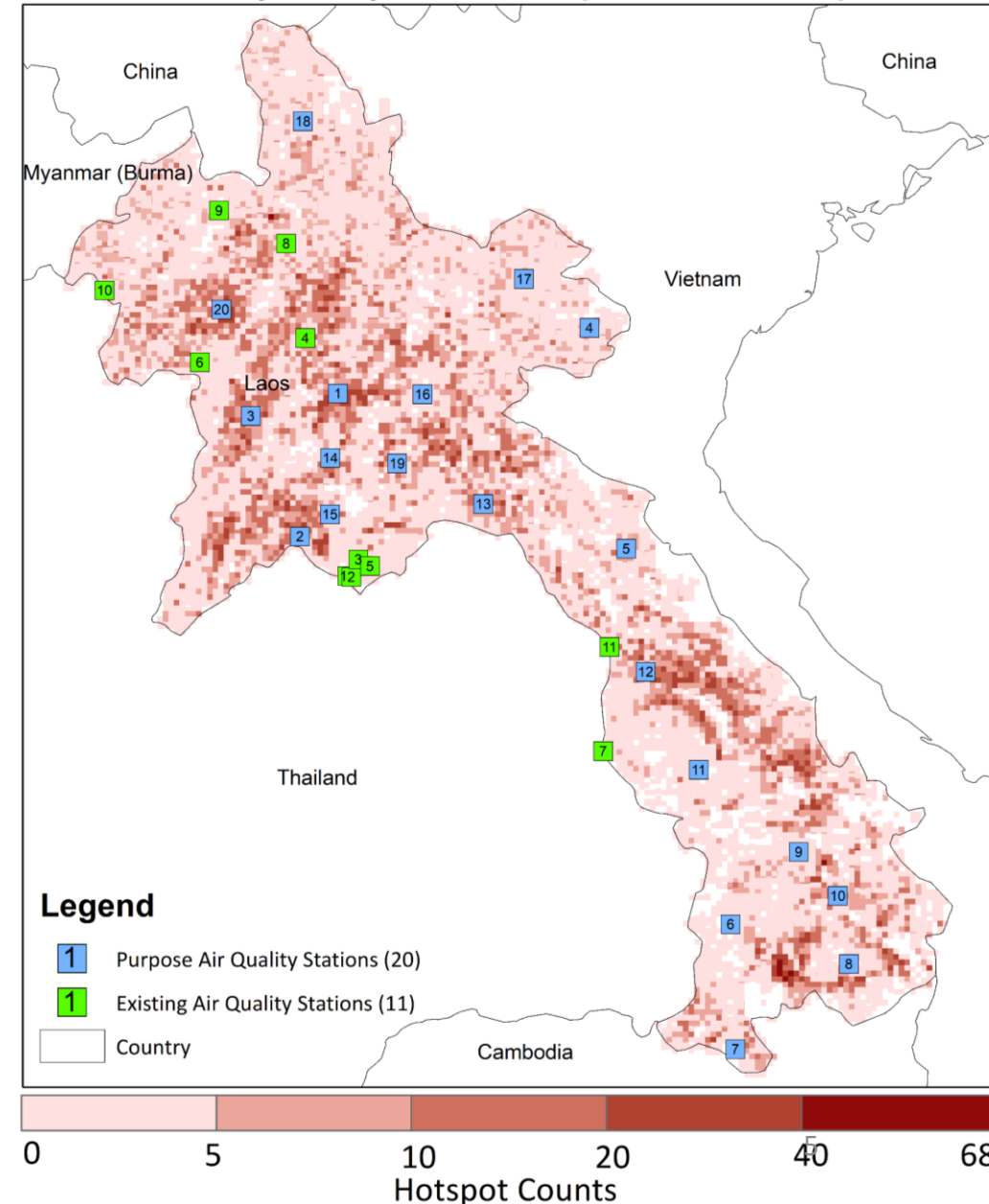


# แนวโน้มจุดความร้อนในปี 2023

- The trend of hotspots detected in 2023 has increased more than it has over the past 10 years.

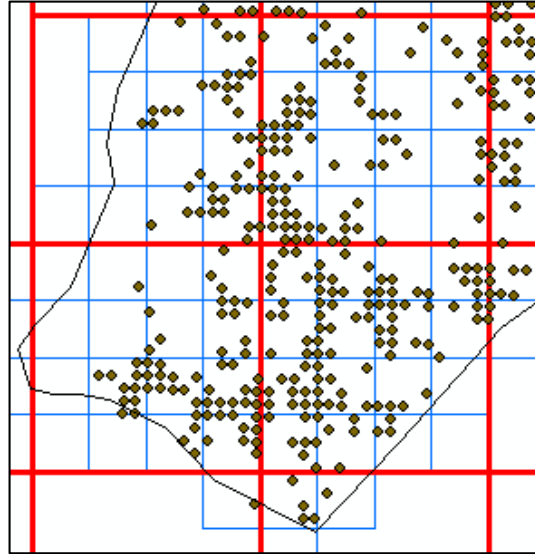
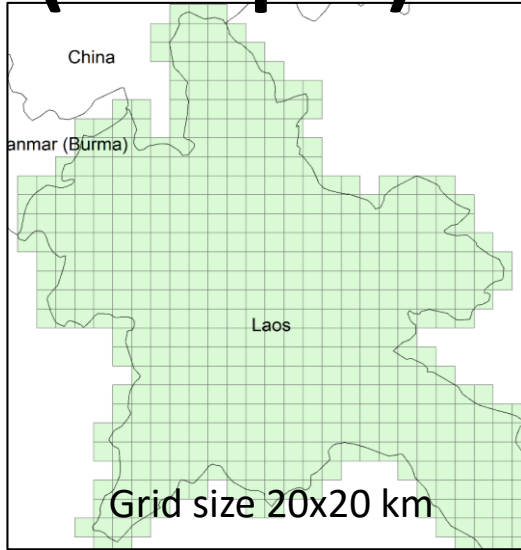


Spatial distribution of hotspots during January–March 2023

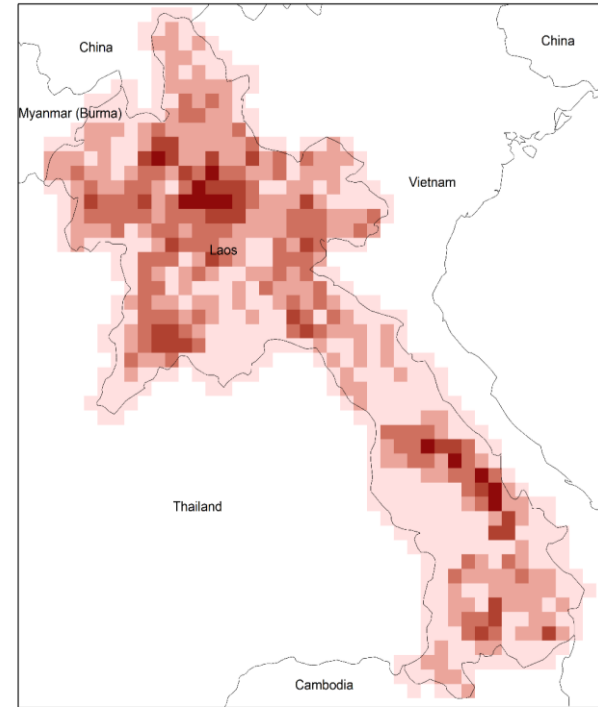
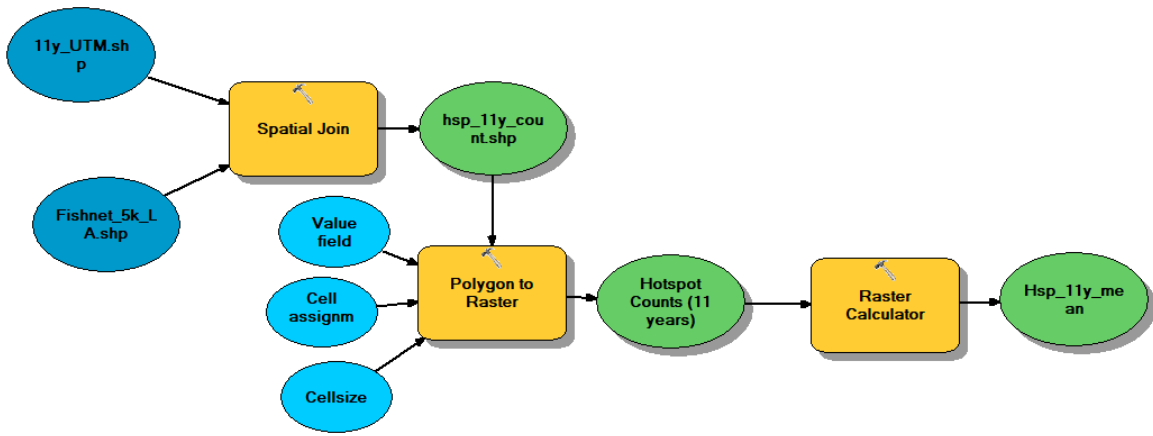


<http://asmc.asean.org/asmc-haze-hotspot-annual-new#Hotspot>

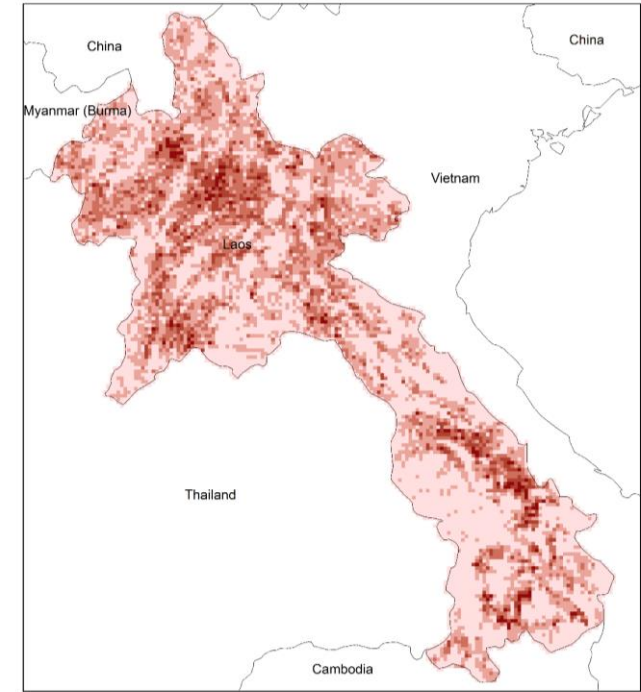
# ການວິເຄາະຂໍ້ມູນຈຸດຄວາມຮ້ອນ (Hotspot)



- Design the grid to be proper for the study area.
- Cell size 5x5 km was used to conduct this study.



Grid size 20x20 km

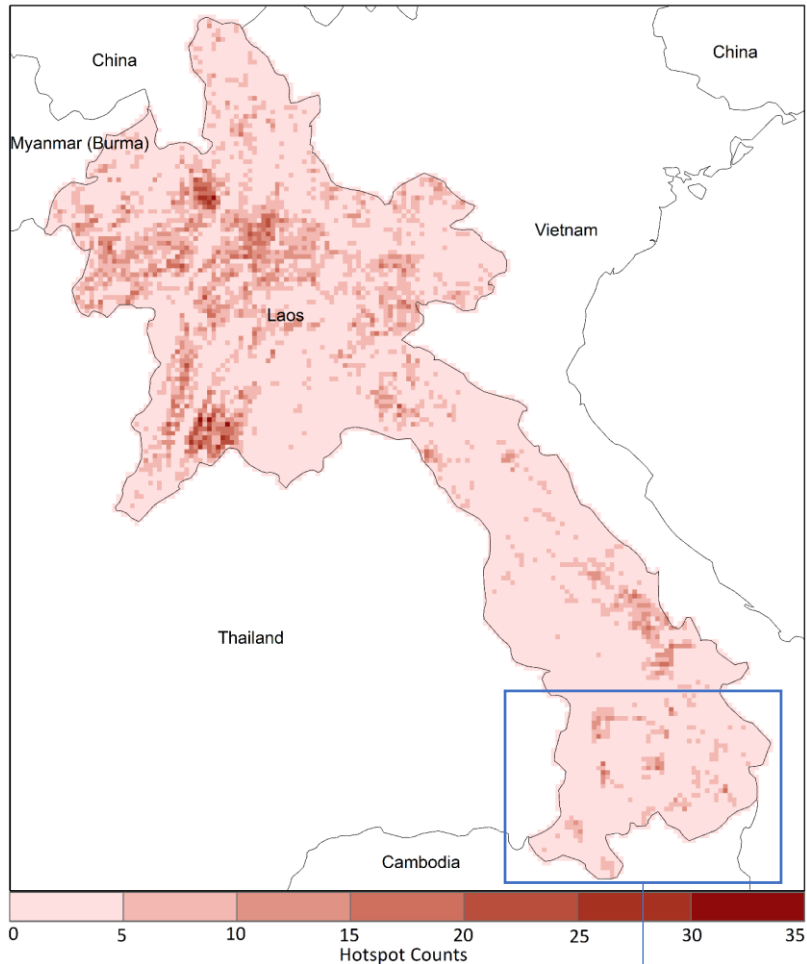


Grid size 5x5 km

# ຈຳນວນຈຸດຄວາມຮ້ອນສະເລ່ຍປະຈຳປີ

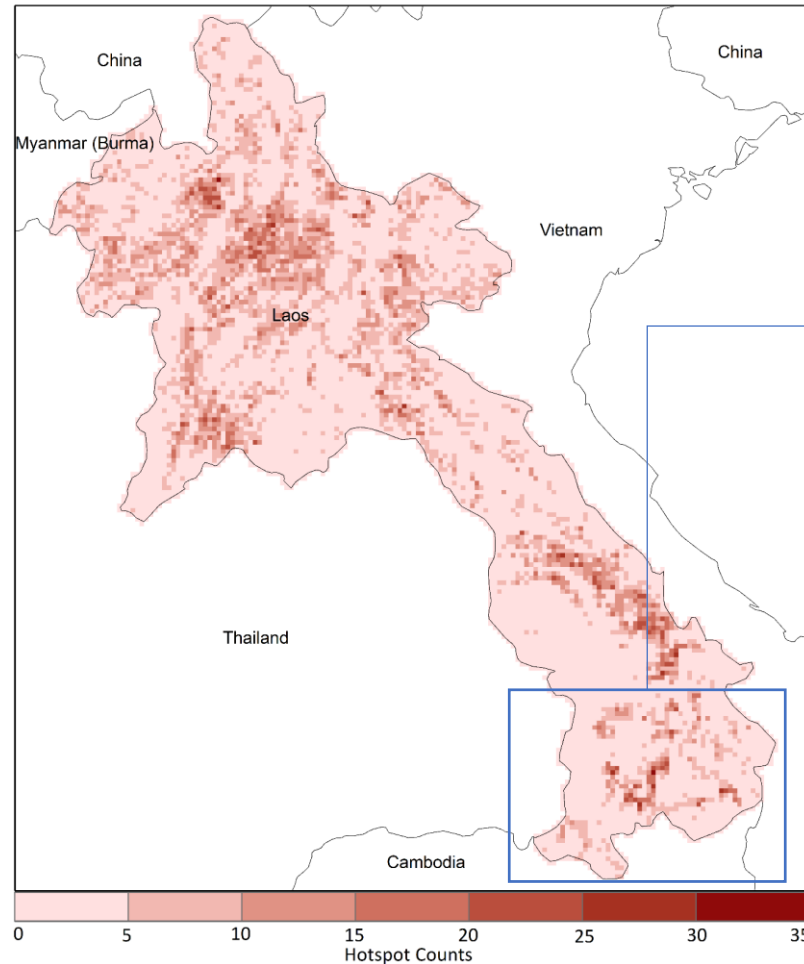
## Suomi-NPP

Yearly Mean Hotspot Counts (2012-2018)

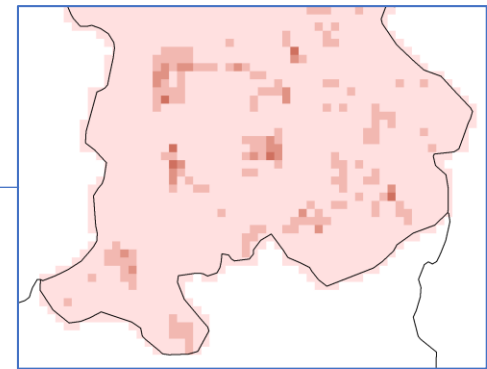
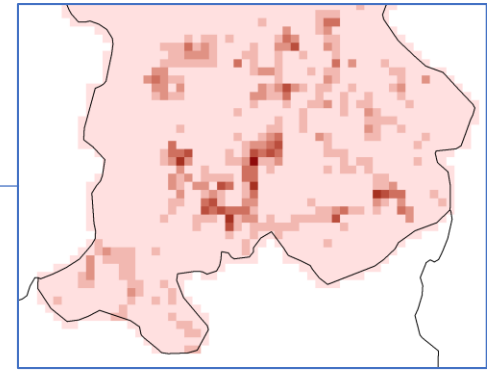


## NOAA-20

Yearly Mean Hotspot Counts (2019-2022)



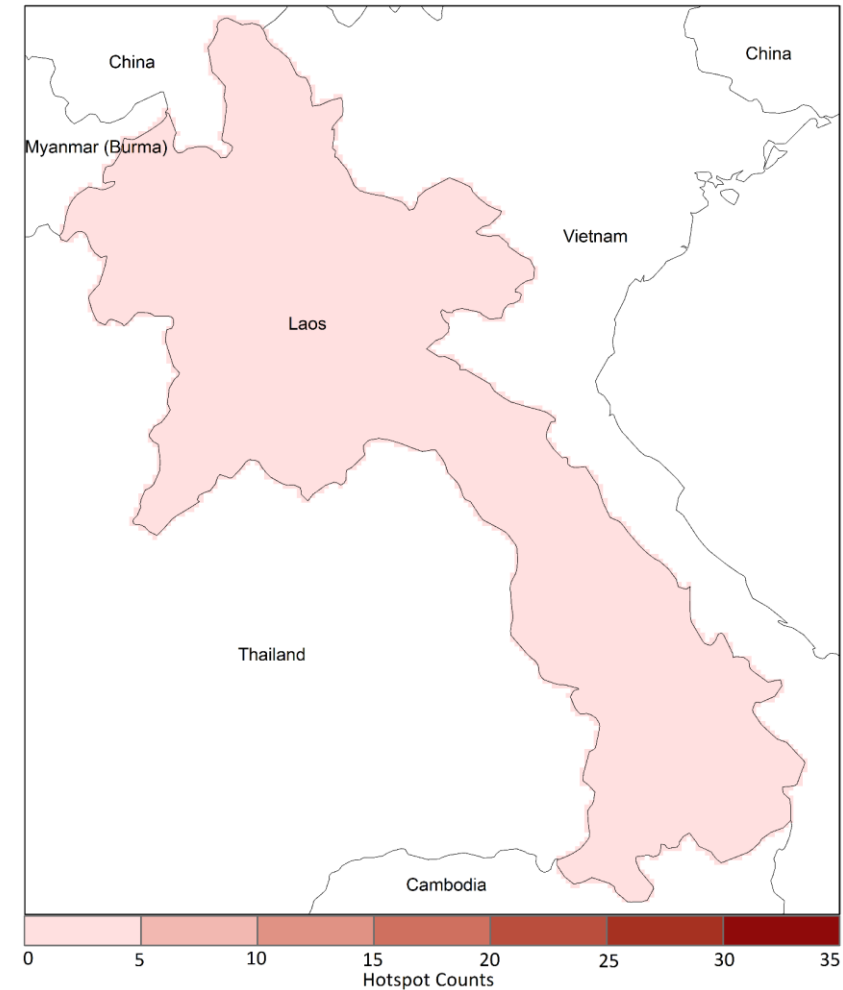
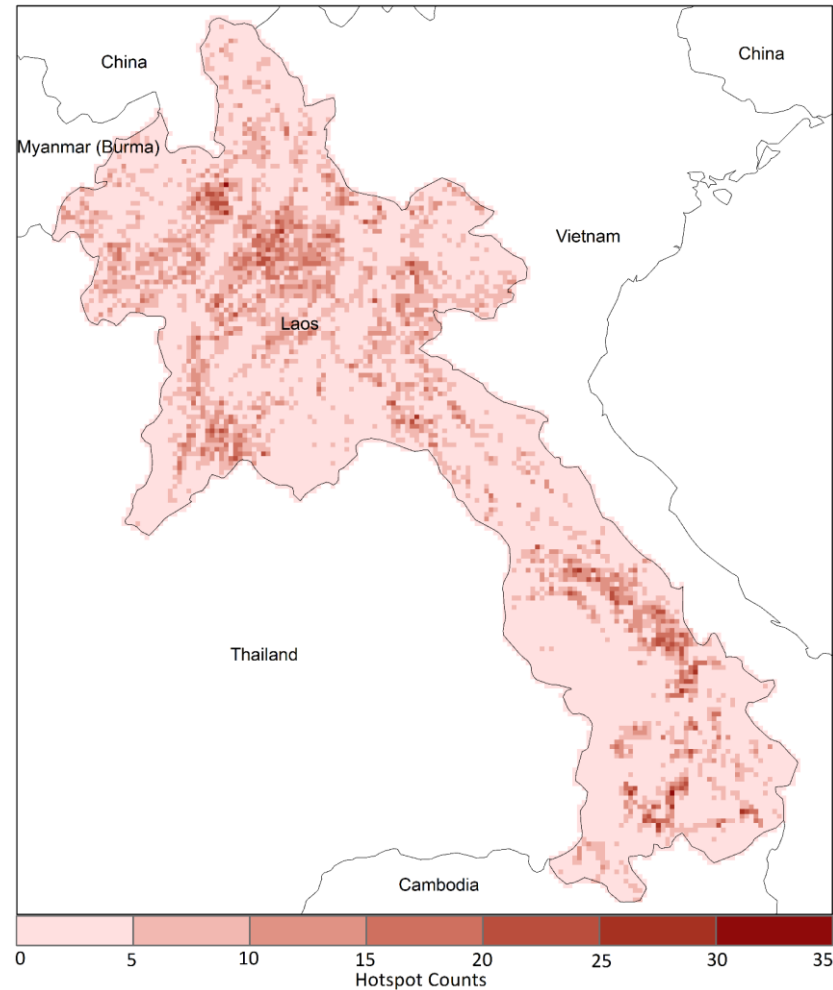
- Fire hotspots have increased in the southern in recent years





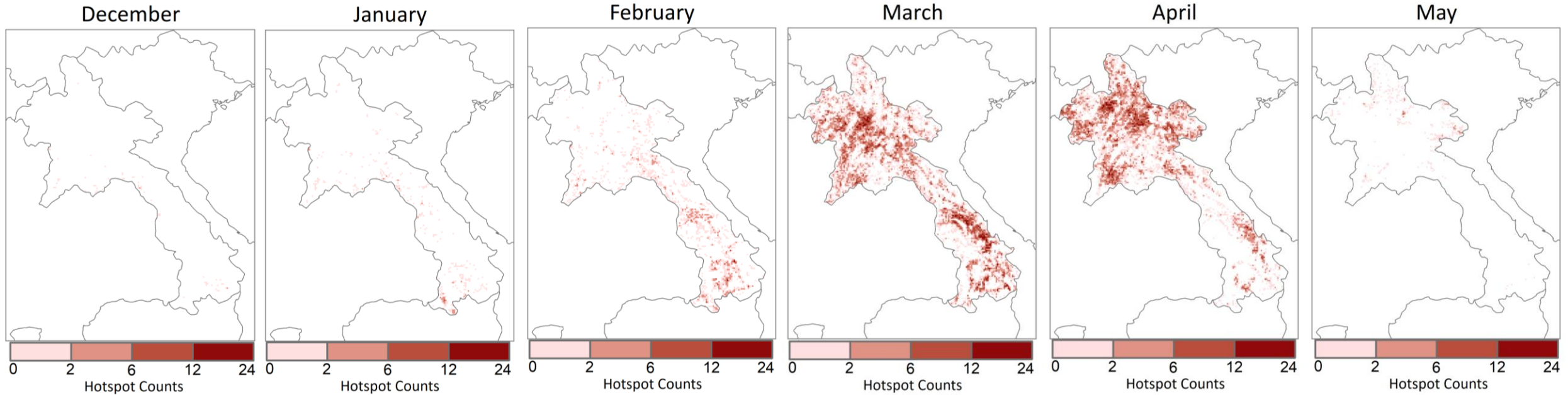
# ຈຳນວນຈຸດຄວາມຮ້ອນສະເລ່ຍຕາມລະດູການ

- Dry season: December to May
- Wet season: June to November



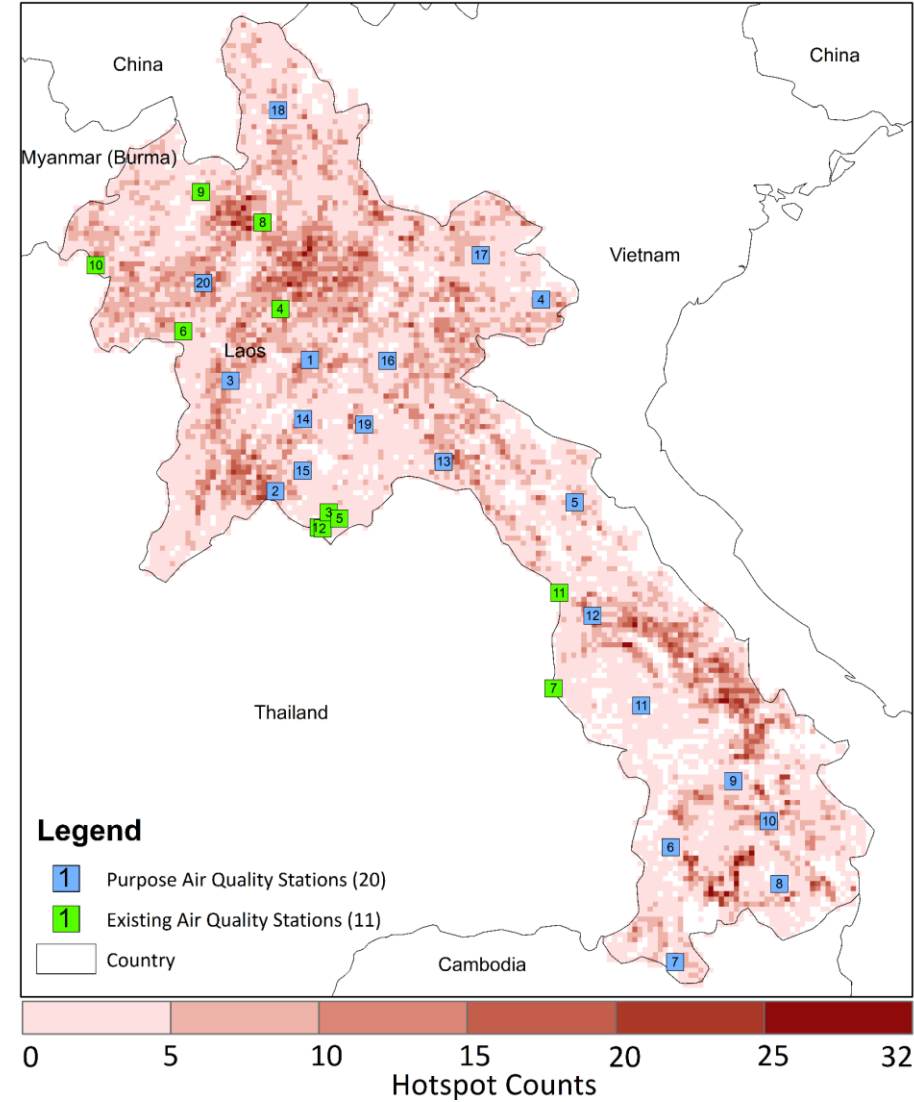
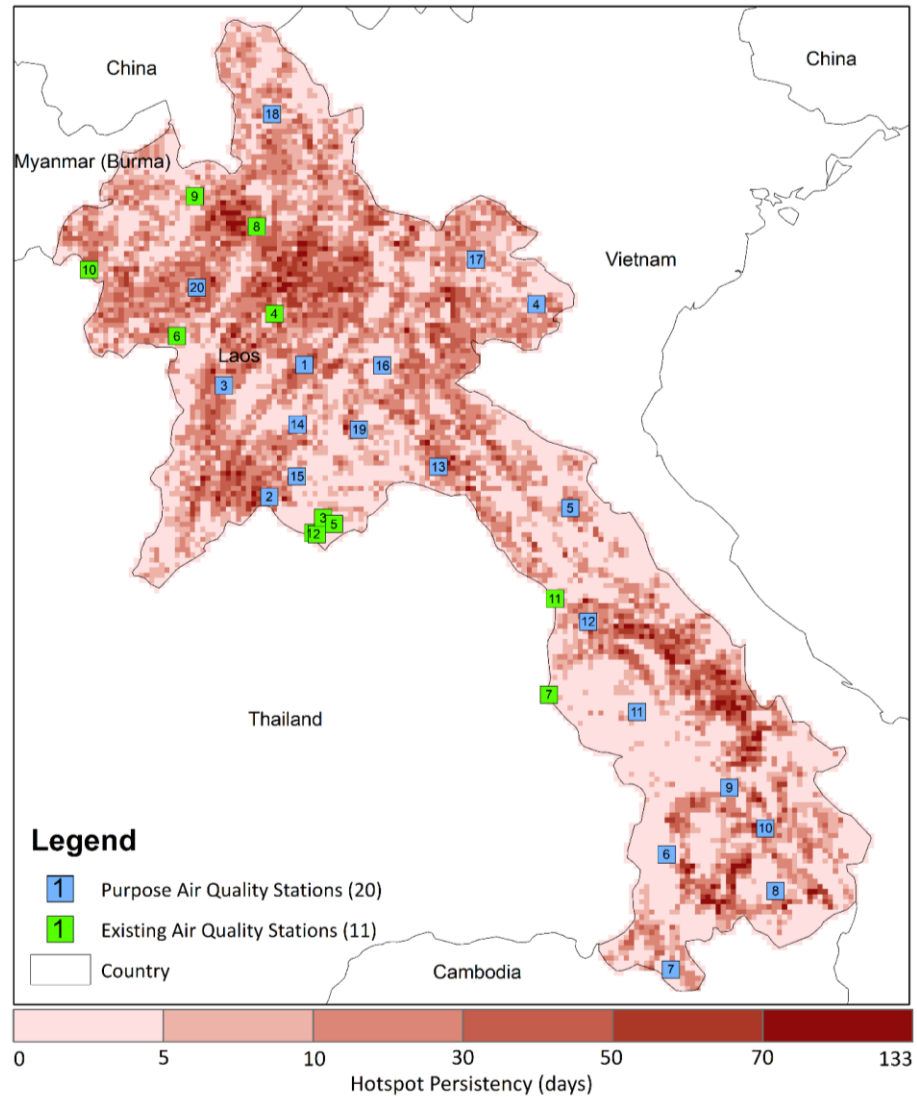


# ຈຳນວນຈຸດຄວາມຮ້ອນສະເລ່ຍລາຍເດືອນ

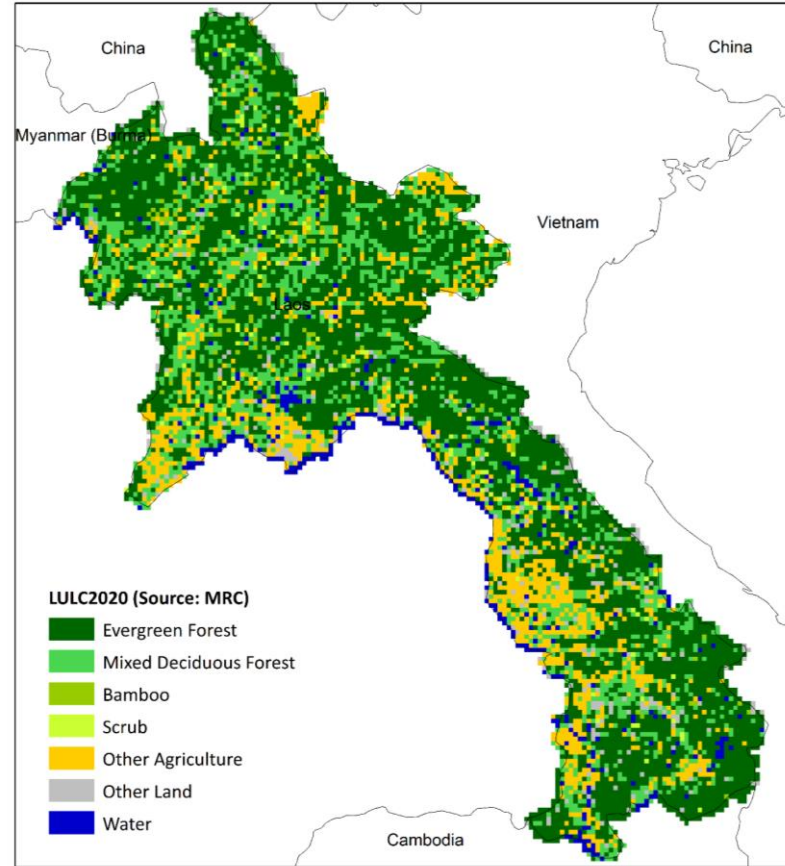
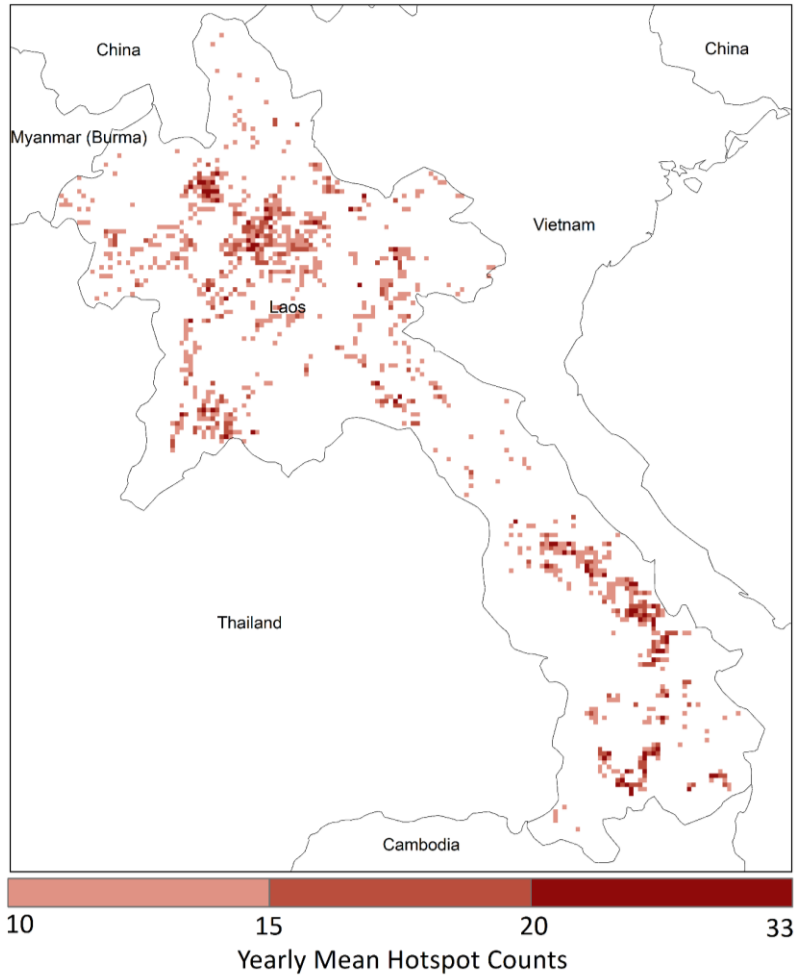


# ພິຈາລະນາຕິດຕັ້ງສະຖານນິວັດແທກຄຸນະພາບອາກາດ

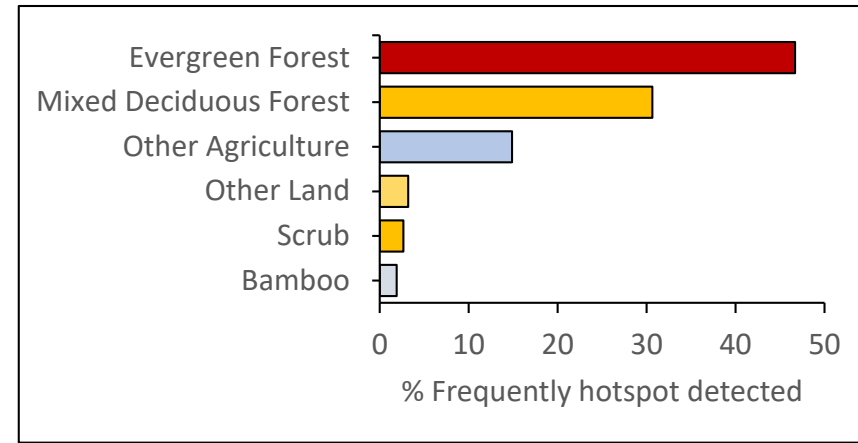
- Existing Air Quality Station Status:
  - Working (8 stations)
  - Broken (3 stations)



# ພື້ນທີ່ທີ່ມີຄວາມສ່ຽງທີ່ຈະເກີດໄພໄໝ້



Land use/Land Cover 2020 (MRC and MAF)

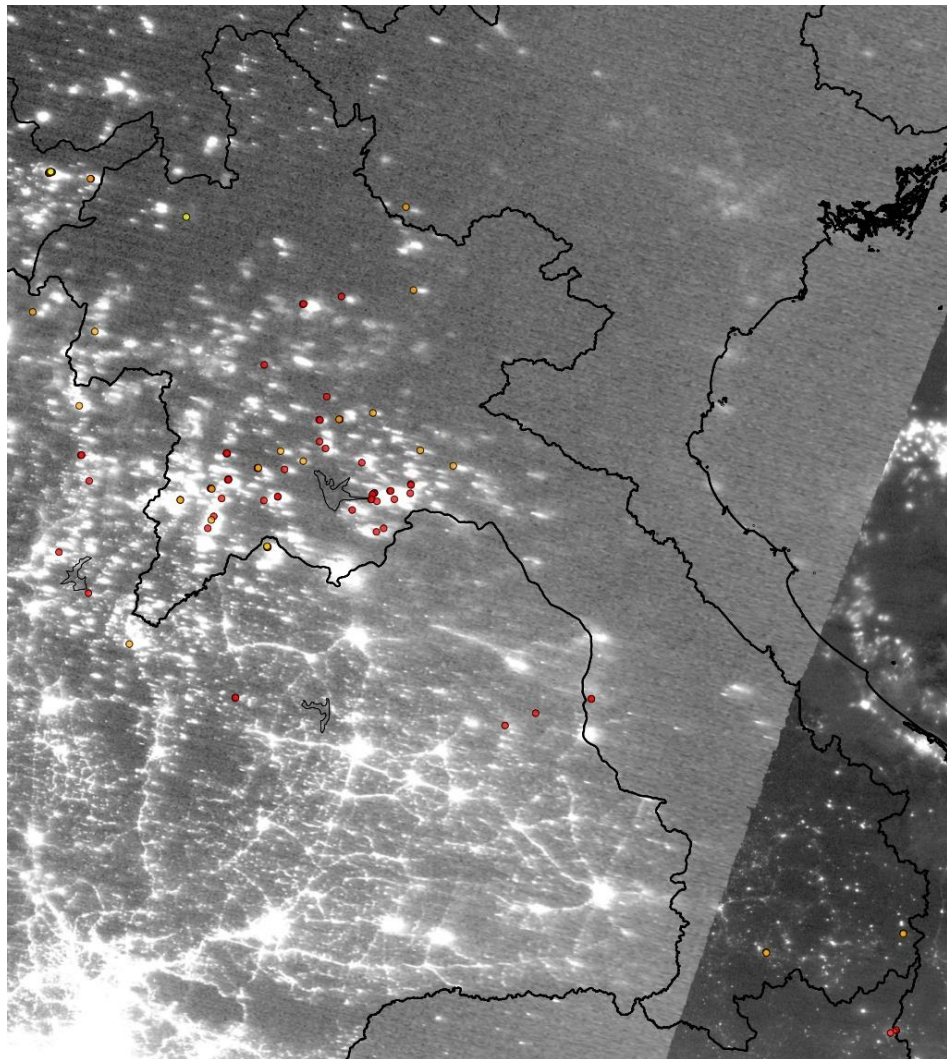


Group	Land use / Land Cover
Evergreen Forest:	Evergreen Forest
Mixed Deciduous Forest:	Mixed Deciduous, Dry Dipterocarp, Coniferous, Mixed Coniferous and Broadleaved forest
Other Agriculture:	Upland Crop, Rice Paddy, Other Agriculture, Agriculture Plantation
Other Land:	Urban, Barren Land and Rock, Other Land
Scrub:	Savannah, Scrub, Grassland
Bamboo:	Bamboo

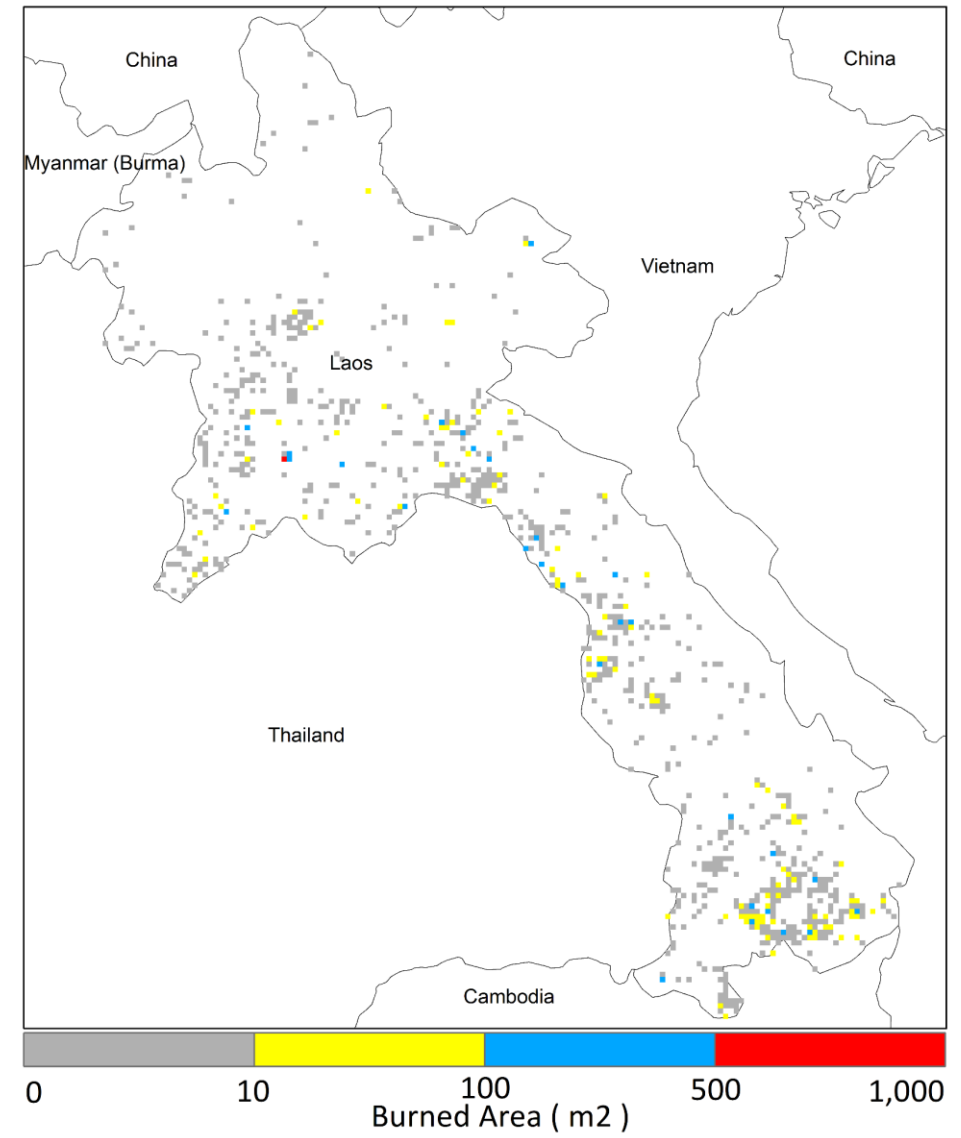
- Mostly hotspots were detected in evergreen forest, mixed deciduous forest, and other agriculture, respectively.



# ການໃຊ້ຂໍ້ມູນ VIIRS Night Fire (VNF) ປະເມີນຄືນເນື້ອທີ່ທີ່ຖືກໄພໄໝ້

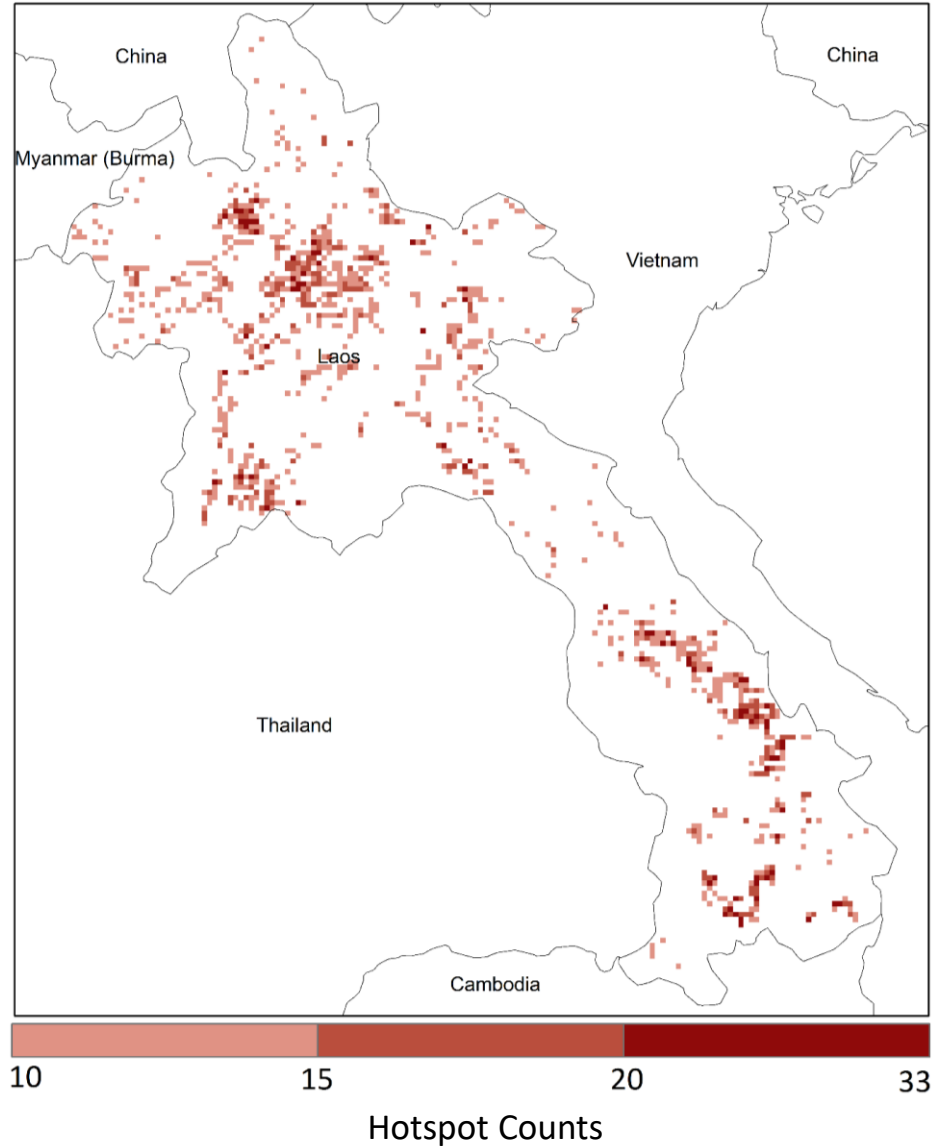


Average Burned Area (2023)

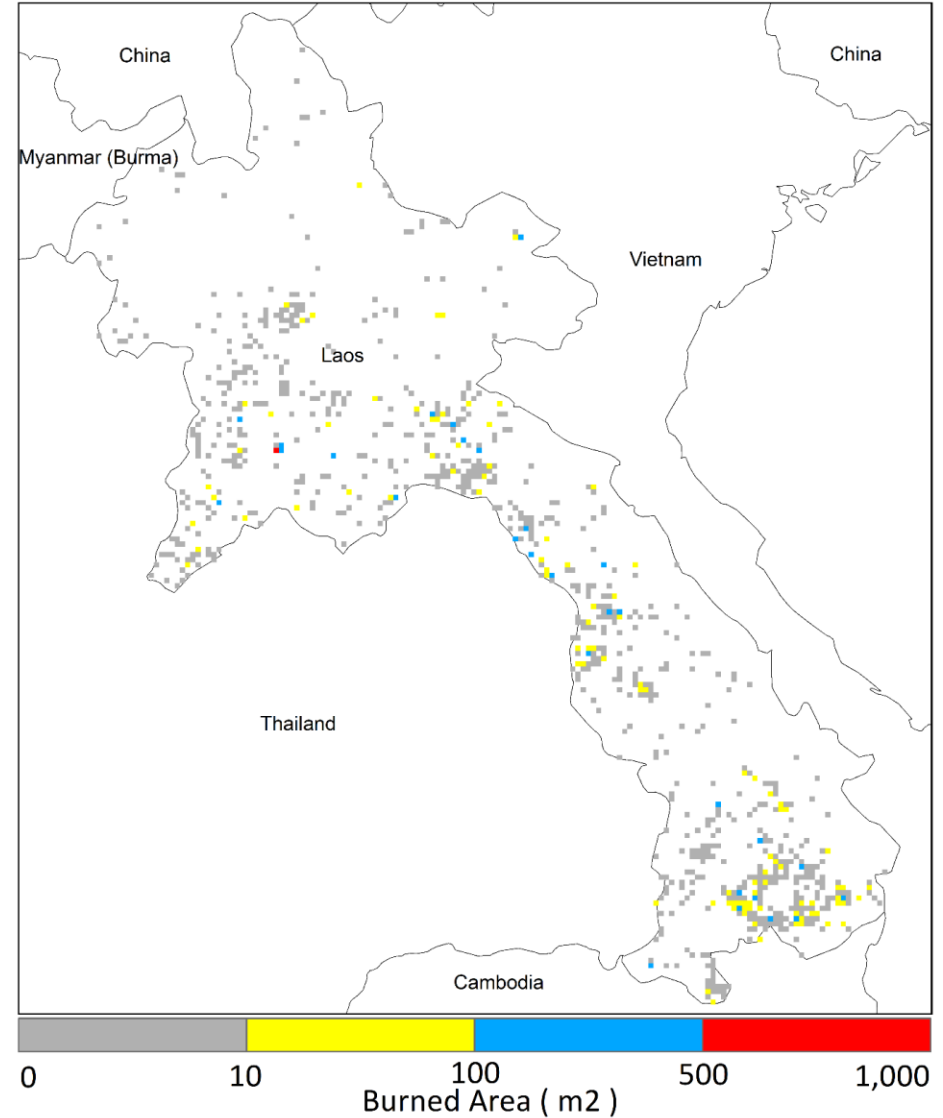


# ສົມທຽບພື້ນທີ່ມີຄວາມສ່ຽງ ແລະ ເນື້ອທີ່ທີ່ຖືກໄພໄໝ້

Yearly Mean Hotspot Counts (2019-2022)



Average burned area form VNF information (Jan-Mar 2023)



ຂອບໃຈ