

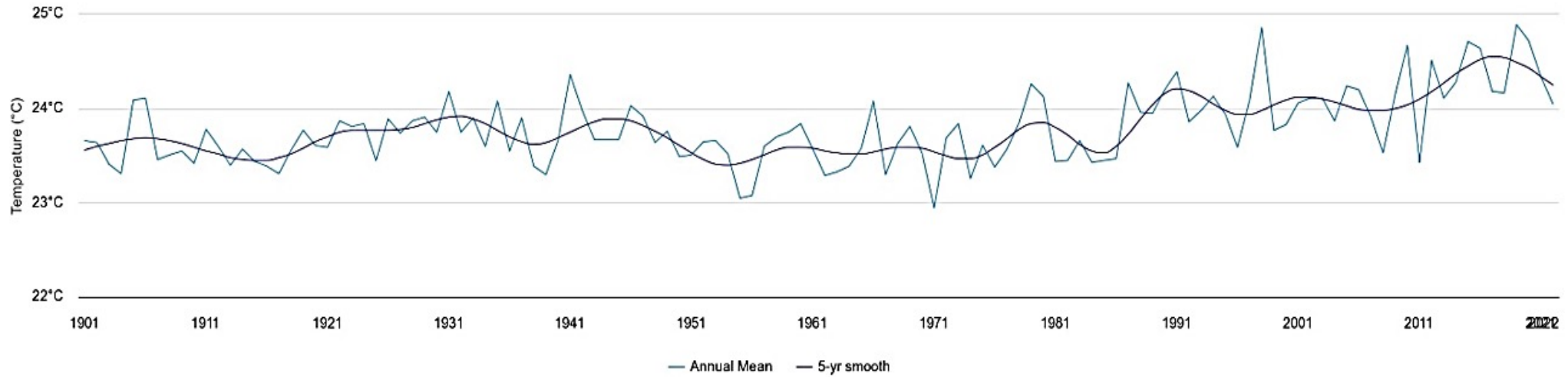
# **Climate Change and Ecosystem-Based Adaptation in Lao PDR**

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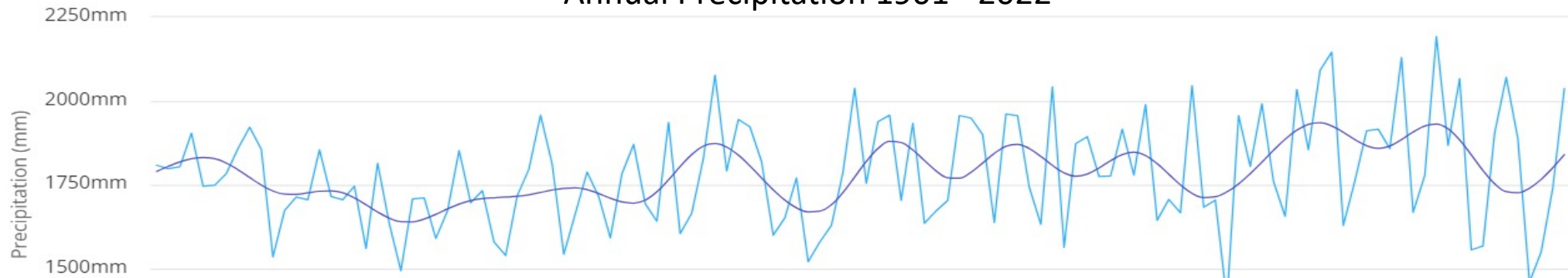
Presented by: Vatthanamixay Chansomphou, PhD  
National University of Laos

# Climate Change in Lao PDR

## Average Annual Temperature 1901 - 2022



## Annual Precipitation 1901 - 2022



# What happened?

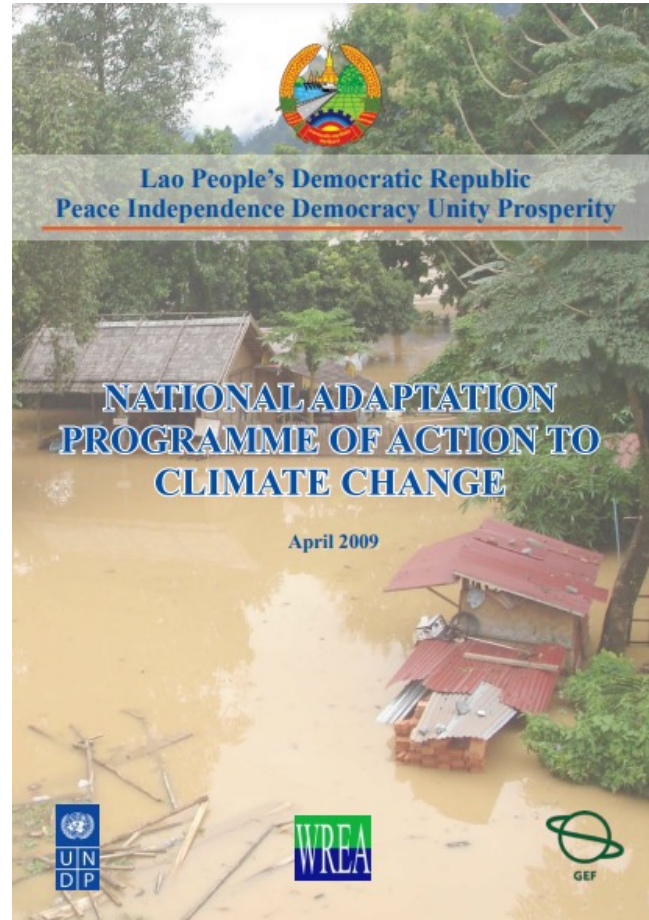
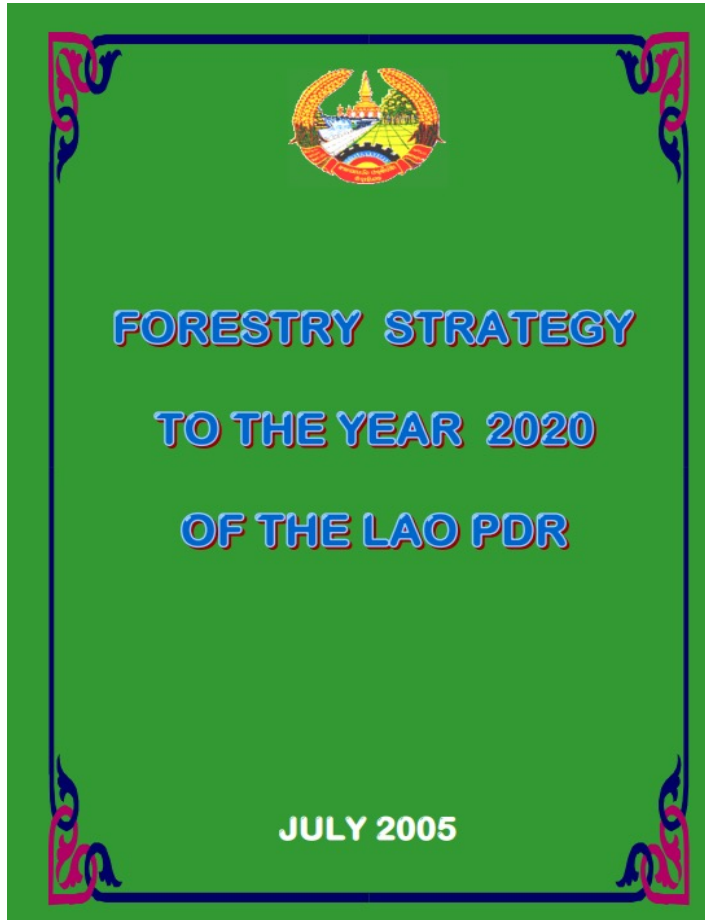
- Higher temperatures
- Uncertain rainfall patterns
- Heavy rainfall events
- Extended periods of drought
- Heatwaves
- Shifts in seasons



# Impacts of Climate Change



# The Lao Government Efforts







Lao People's Democratic Republic  
Peace Independence Democracy Unity Prosperity

## National Green Growth Strategy of the Lao PDR till 2030

(Secretariat for Formulation of National Green Growth Strategy  
of the Lao PDR)

Vientiane Capital, December 2018



ສາທາລະນະລັດ ປະຊາທິປະໄຕ ປະຊາຊົນລາວ  
ສັນຕິພາບ ເອກະລາດ ປະຊາທິປະໄຕ ເອກະພາບ ວັດທະນະຖາວອນ

## Vision for Water Usage and Water Resource Management until 2040, with Strategies Leading to 2030

ກະກຽມໂດຍ:  
ກະຊວງ ຊັບພະຍາກອນທຳມະຊາດ ແລະ ສິ່ງແວດລ້ອມ

ກໍລະກົດ 2023



ສາທາລະນະລັດ ປະຊາທິປະໄຕ ປະຊາຊົນລາວ  
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## ແຜນງານແຫ່ງຊາດ ການປັບຕົວເຂົ້າກັບ ການປ່ຽນແປງດິນຟ້າອາກາດ National Adaptation Plan

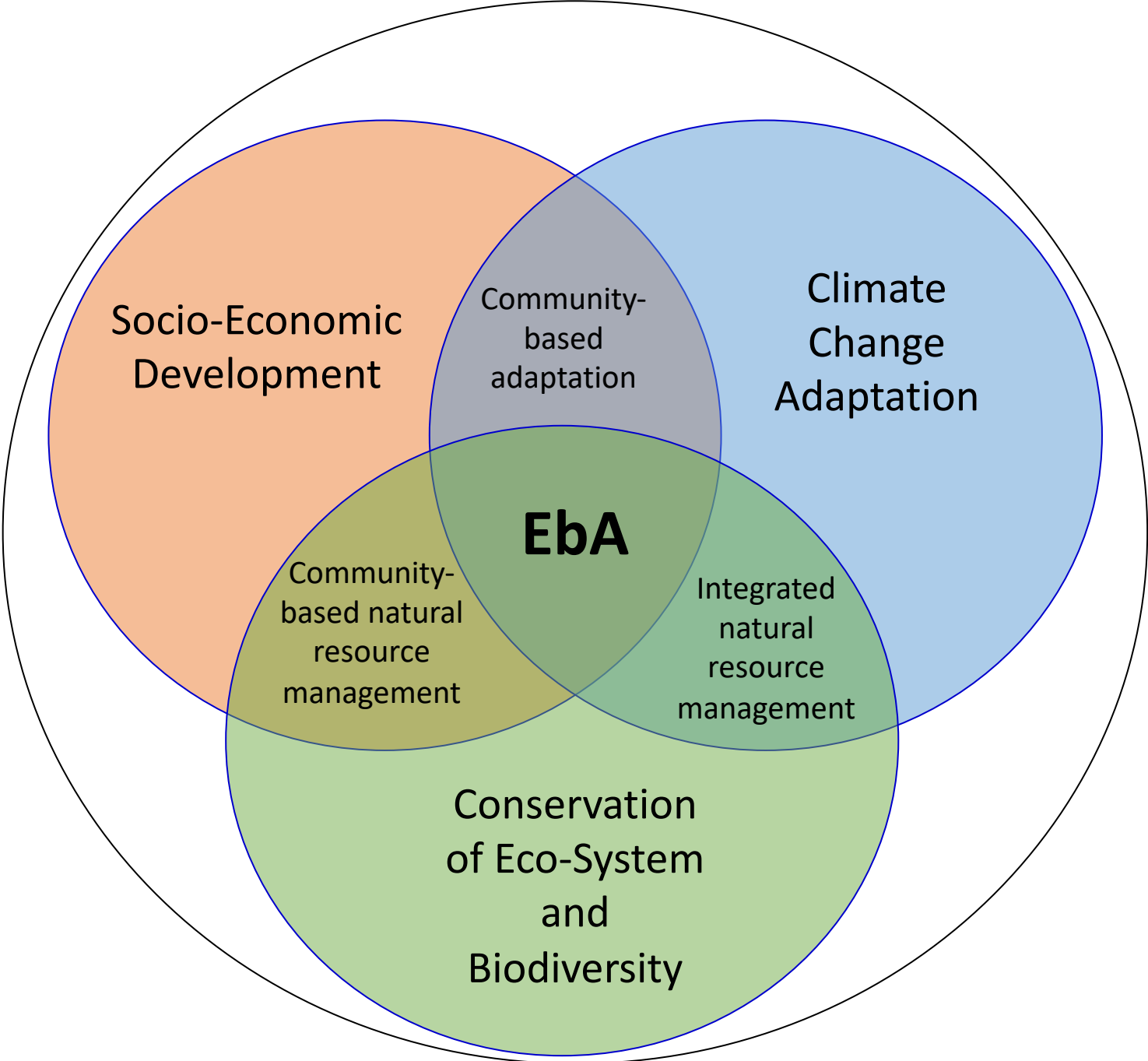
*Draft version*



ພະຈິກ 2023  
ກະຊວງ ຊັບພະຍາກອນທຳມະຊາດ ແລະ ສິ່ງແວດລ້ອມ

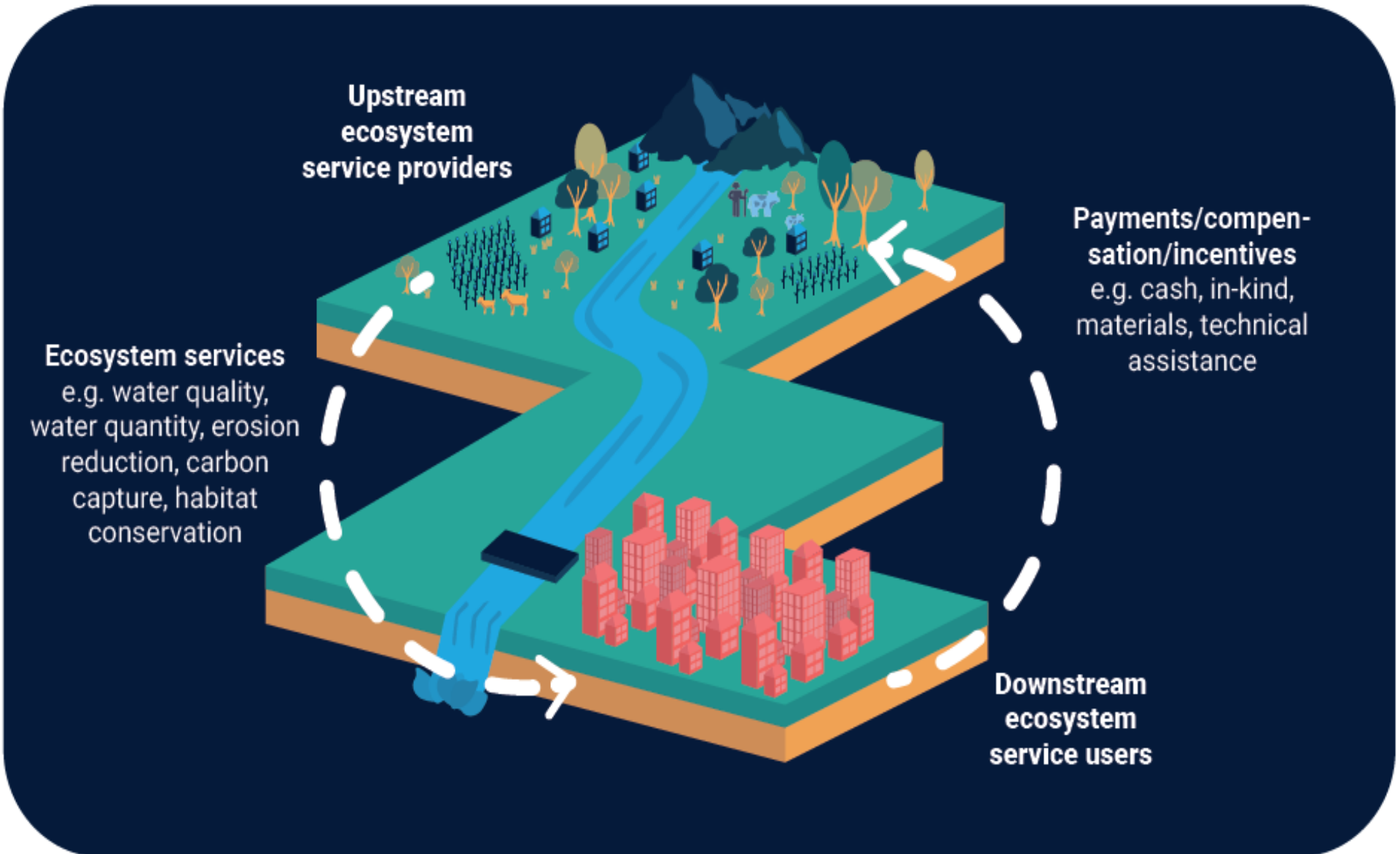
# **Promoting the Adoption Ecosystem-based Adaptation (EbA) Concept**

# EbA Concept





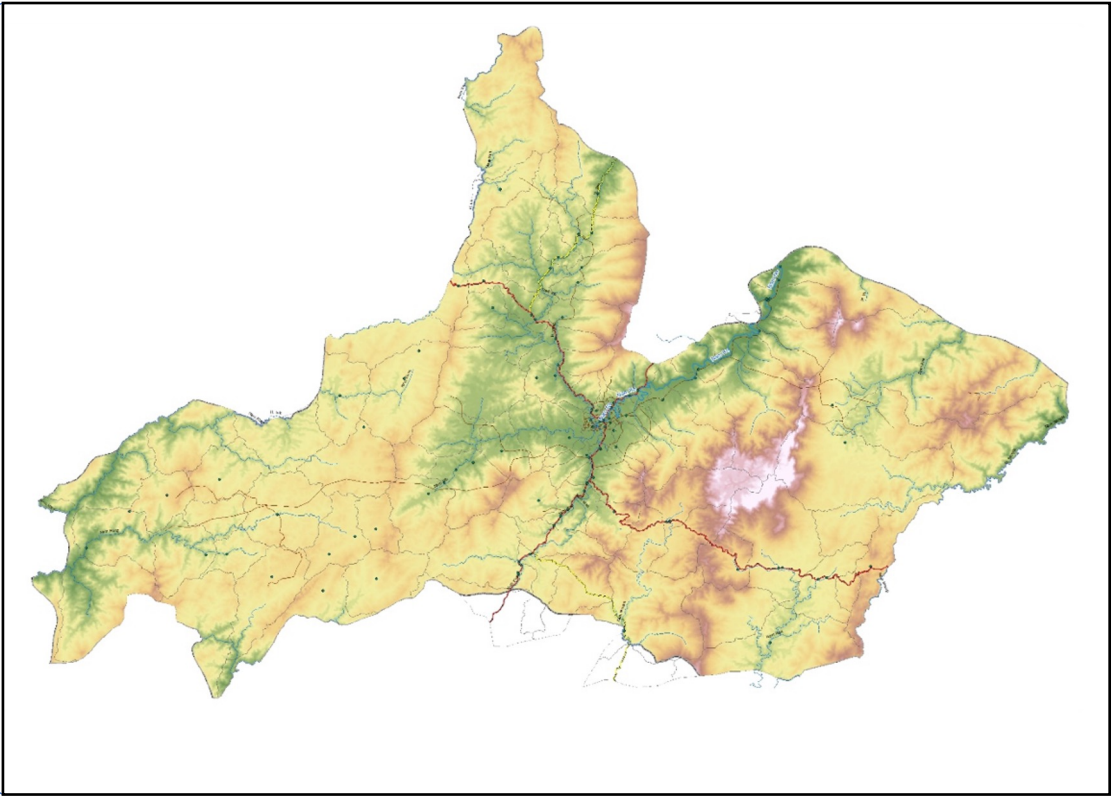
# EbA and Payment for Environmental Service System



**An Example:**  
**The Project on Building Climate Resilience  
of Urban Systems through Ecosystem-based  
Adaptation in the Asia-Pacific Region  
Urban EbA Lao PDR (Oudomxay Province)**



- Legend**
- ເມືອງເປົ້າໝາຍ (Study Area)
  - ພື້ນດິນ (Land)





- Building a canal with green infrastructure





- Improving livelihood of vulnerable households by supporting tree seedling and vegetable growing for consumption and commercial purpose





- Promoting green school





- Promoting ecotourism

