



# Ecology

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- ▶ Derived from Greek ***oikos***, meaning 'household or family'.
- ▶ ***Where*** organisms occur? ***How many*** occur there?  
***Why?***

# Ecology

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▶ Definition:

The scientific study of ***the distribution and abundance of organisms*** and ***the interactions*** that determine distribution and abundance.

Patterns



Processes

# Ecology

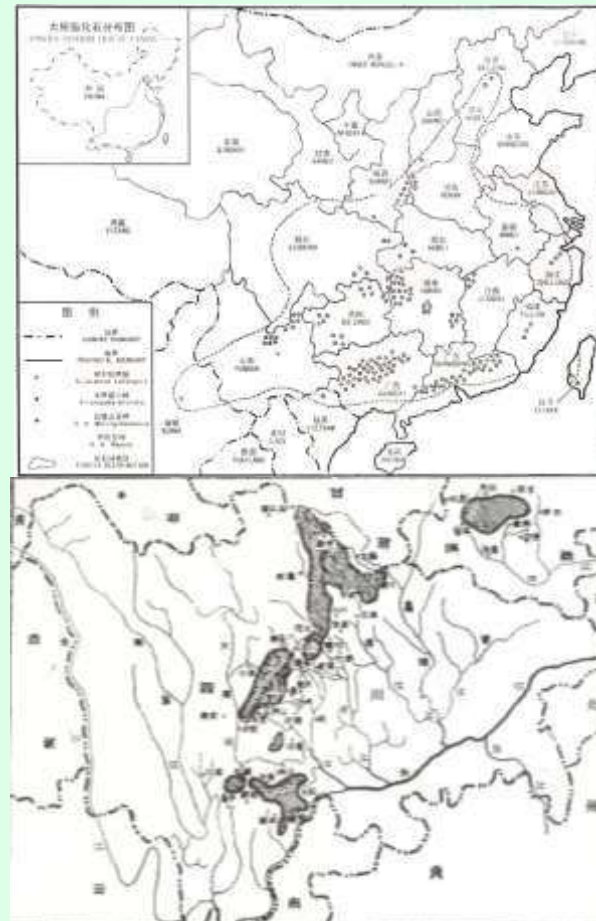
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- ▶ Why should we study ecology?

# Why should we study ecology

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## ► Conservation



# Why should we study ecology

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- ▶ Conservation



# Why should we study ecology

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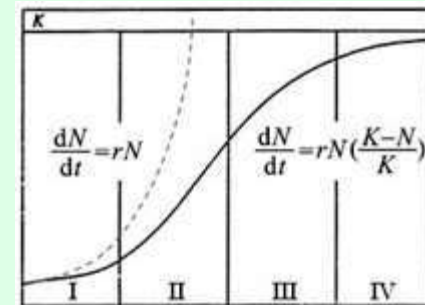
## ► Conservation



# Why should we study ecology

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- ▶ Resource management



# Why should we study ecology

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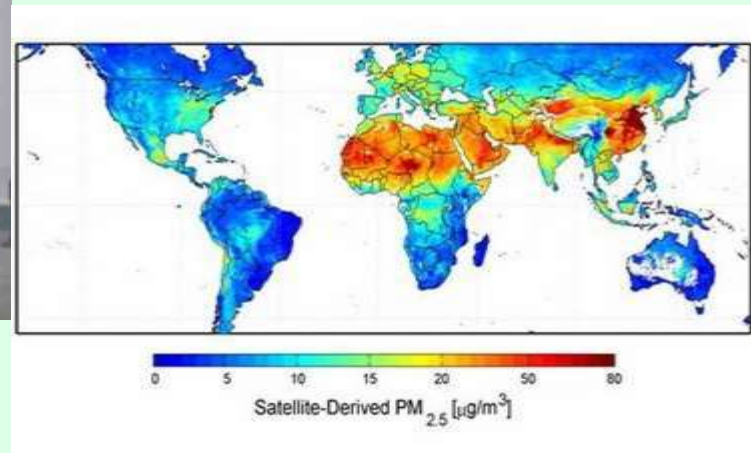
- ▶ Resource management



# Why should we study ecology

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- ▶ Pollution control



# Why should we study ecology

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- ▶ Pollution control



# Why should we study ecology

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## ► Pollution control



# Why should we study ecology

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- ▶ Invasion species



# Why should we study ecology

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- ▶ Invasion species



# Why should we study ecology

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## ► Invasion species



# Why should we study ecology

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- ▶ Population size regulation



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