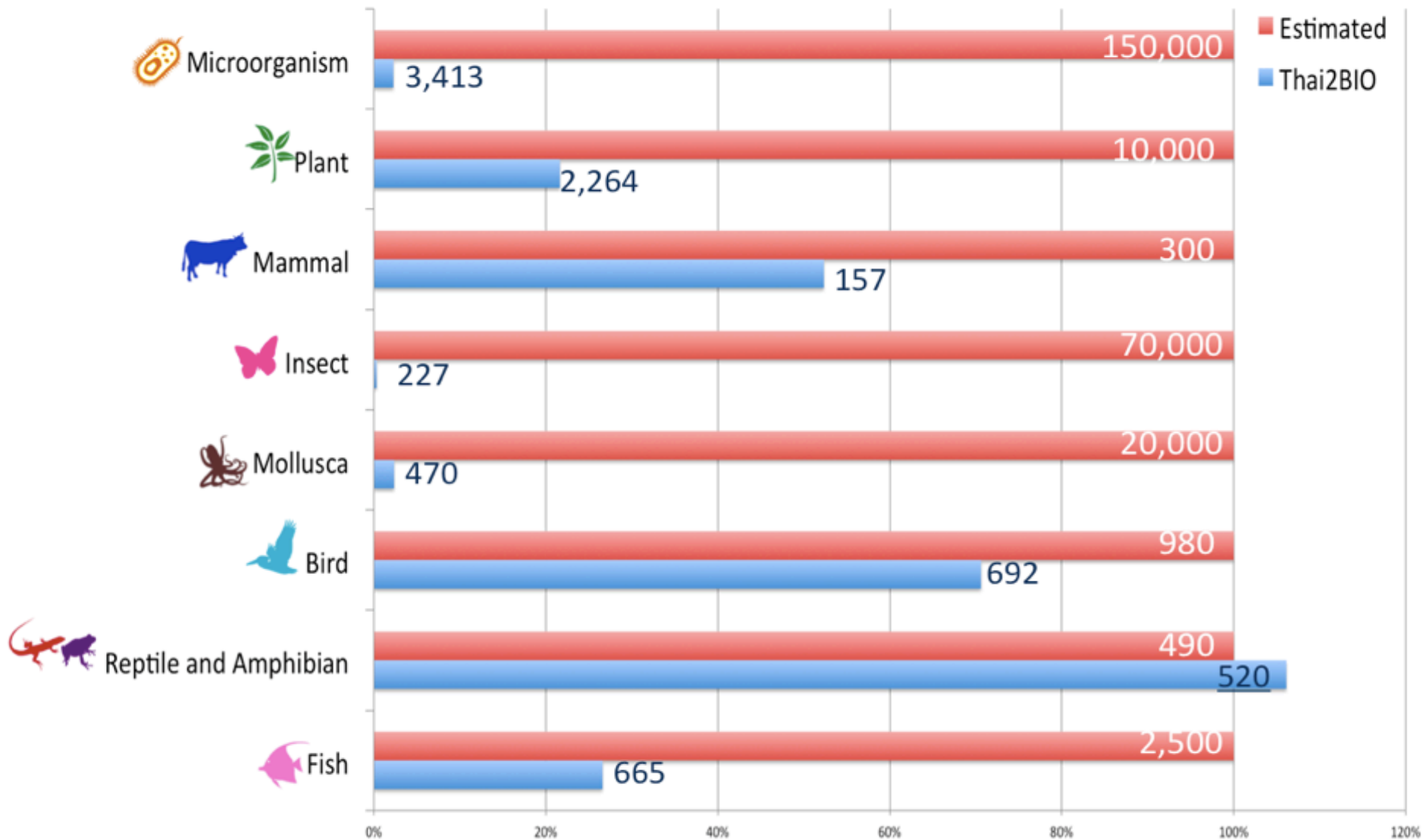


# Thai2BIO vs Thailand's Species Diversity



Copyright 2014 BIOTEC, NSTDA

\*Estimated: ยุทธศาสตร์งานวิจัยของประเทศไทย การพัฒนาคุณค่าความหลากหลายทางชีวภาพ (พศ 2555-2559), สวทช

**12%**  
**11,589**  
specimens



**PLANT 2,264 SPECIES**

Algae	46
Plant	2,218

THAI SCIENCE BIORESOURCES AND BIOTECHNOLOGY

MINISTRY OF SCIENCE AND TECHNOLOGY (MOST)  
RAMA6 ROAD, PHAYATHAI, BANGKOK, THAILAND



THAI SCIENCE BIODIVERSITY



3%



38%



a member of NSTDA

**94,701**  
specimens

49%



11%



**40%**  
**37,345**  
specimens



**MICROBE 3,413 SPECIES**

Chromista, Archea, Protozoa	17
Bacteria	851
Fungi	2,545

**ANIMAL 2,824 SPECIES**

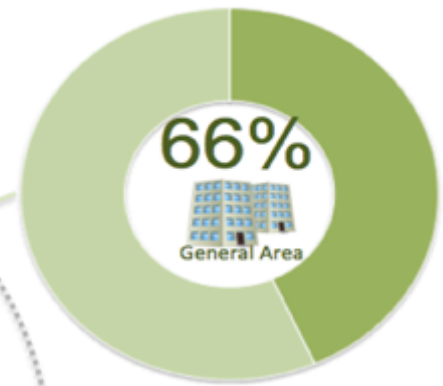
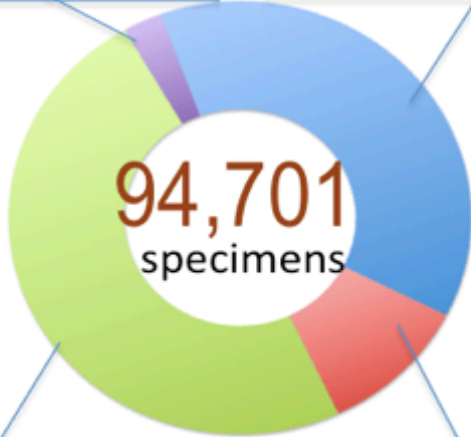
4,427	Mammal	157
4,484	Reptile	304
8,310	Fish	665
5,462	Invertebrate	564
6,191	Insect	227
9,127	Bird	692
10,766	Amphibian	216

**48%**  
**45,767**  
specimens



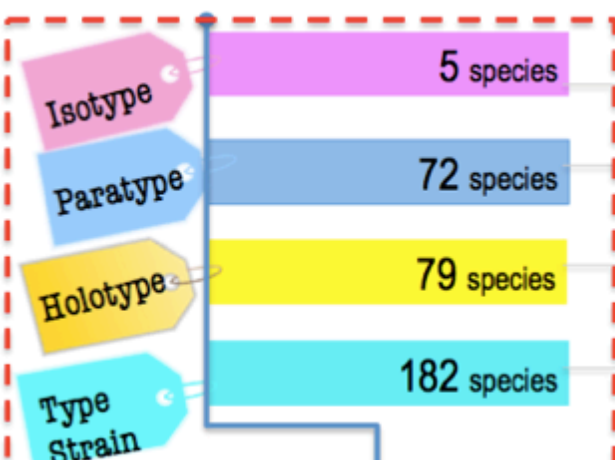
NSTDA

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**THAI SCIENCE BIODIVERSITY**  
 THAI SCIENCE BIORESOURCES AND BIOTECHNOLOGY  
 MINISTRY OF SCIENCE AND TECHNOLOGY (MOST)  
 RAMA6 ROAD, PHAYATHAI, BANGKOK, THAILAND



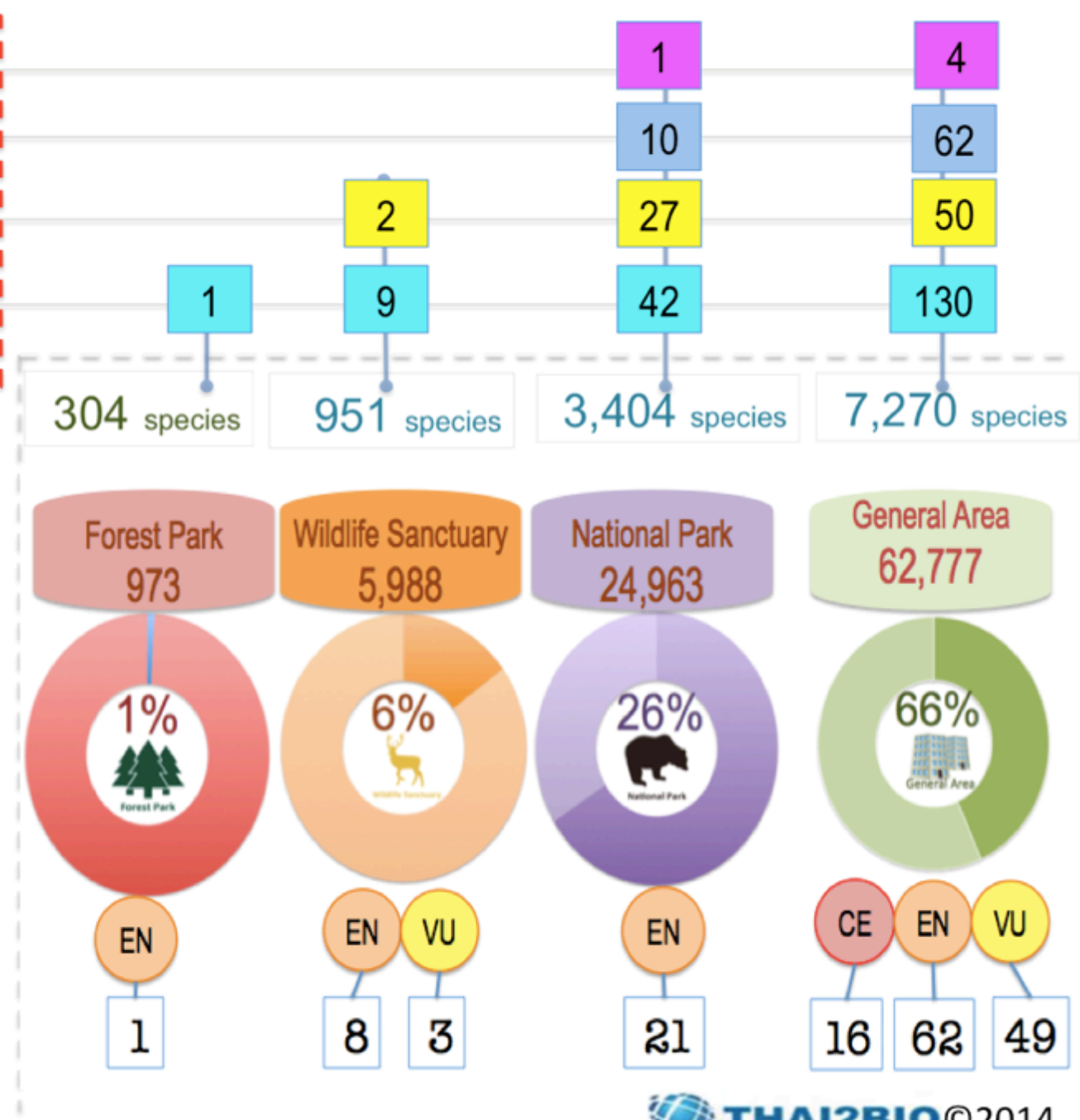


8,501 species

**Thai2BIO**  
94,701

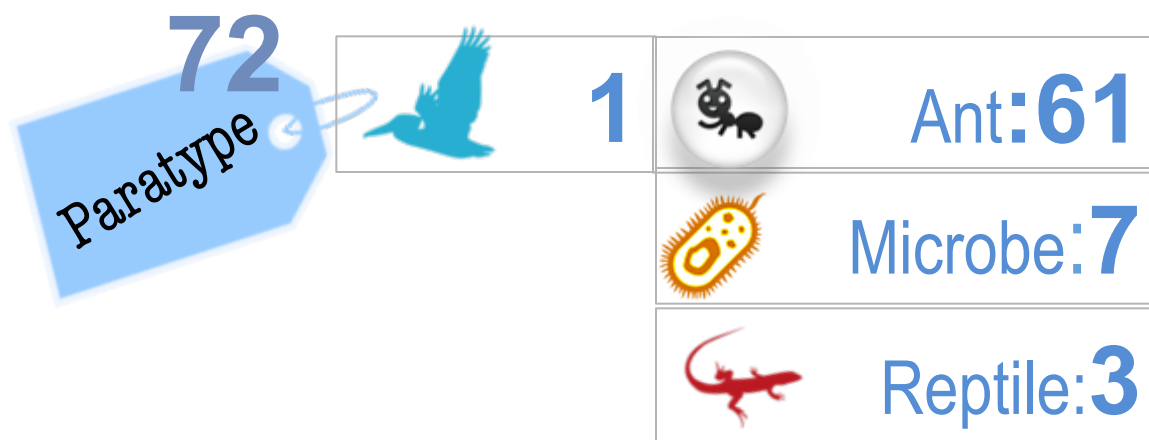
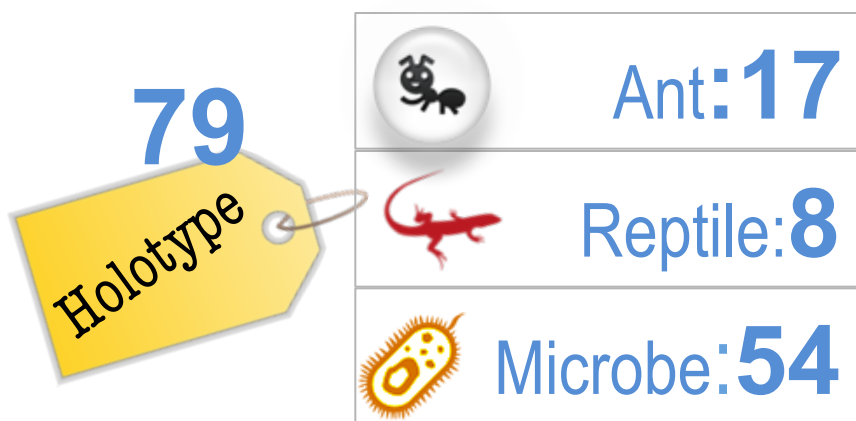
800 specimens  
338 species

EX	Extinct	
EW	Extinct in the Wild	
CE	Critically Endangered	16
EN	Endangered	67
VU	Vulnerable	51
NT	Near Threatened	381 specimens
LC	Least Concern	135 species
DD	Data Deficient	



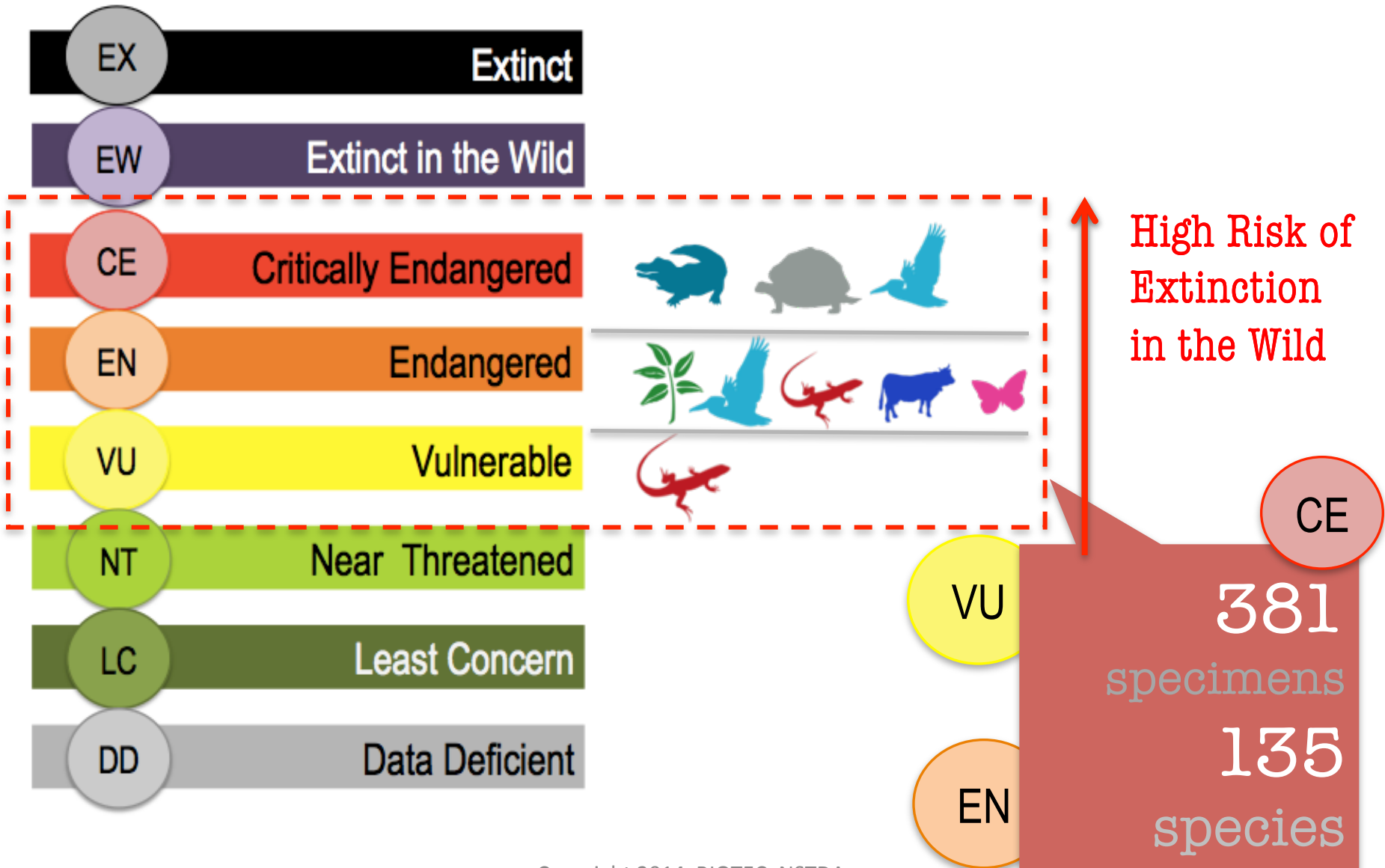
338

# Species of Type Specimens/Cultures





# ตัวอย่างสิ่งมีชีวิตที่ถูกรุกคามเสี่ยงต่อการสูญพันธุ์ (Threaten species)



# Collection Site Distribution

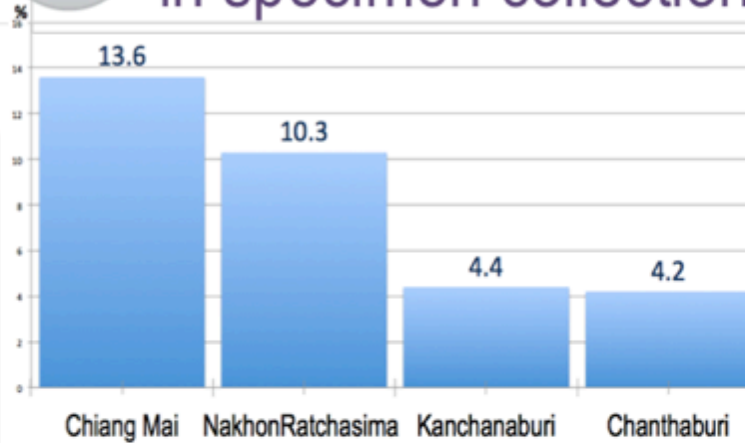
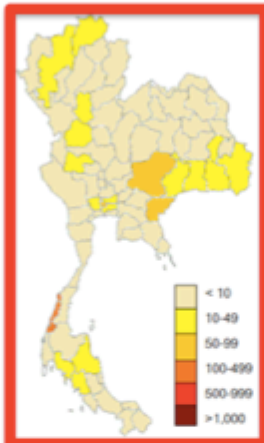
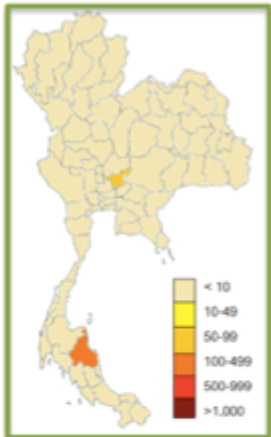


## Top-4 province in specimen collection

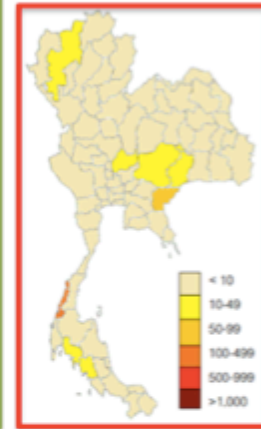
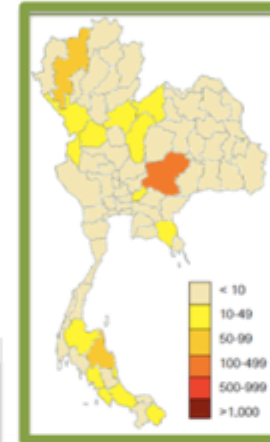
 General Area

 Protected Area

### Bacteria



### Fungi

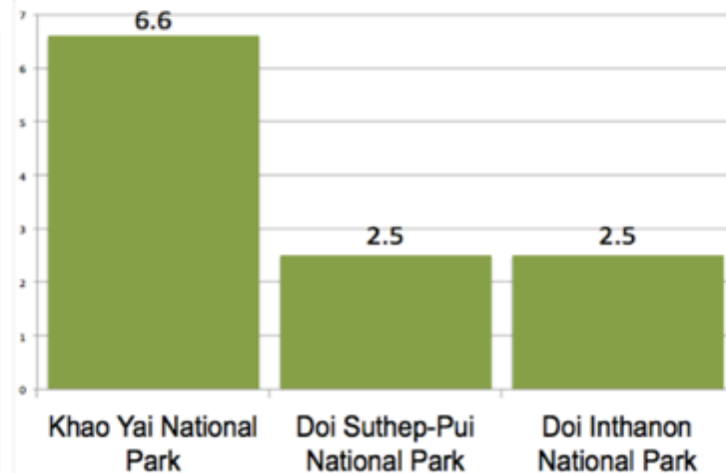
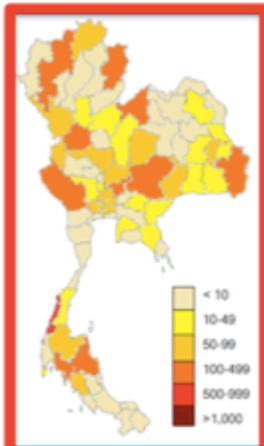
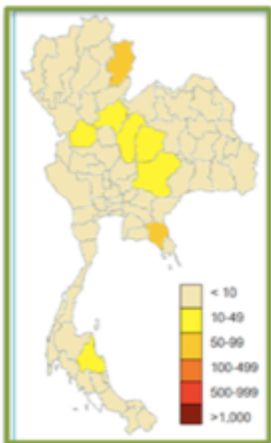


## Top-3 collection site in protected area :

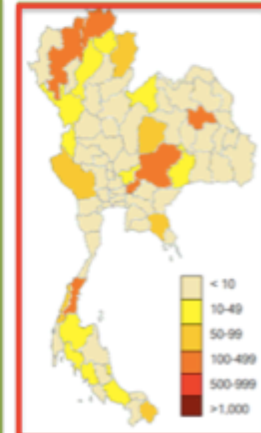
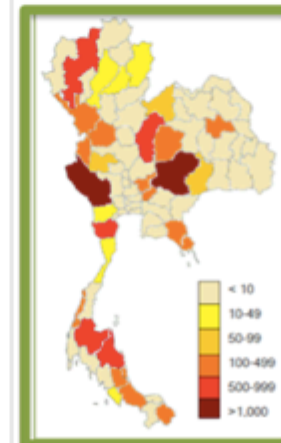


National Park

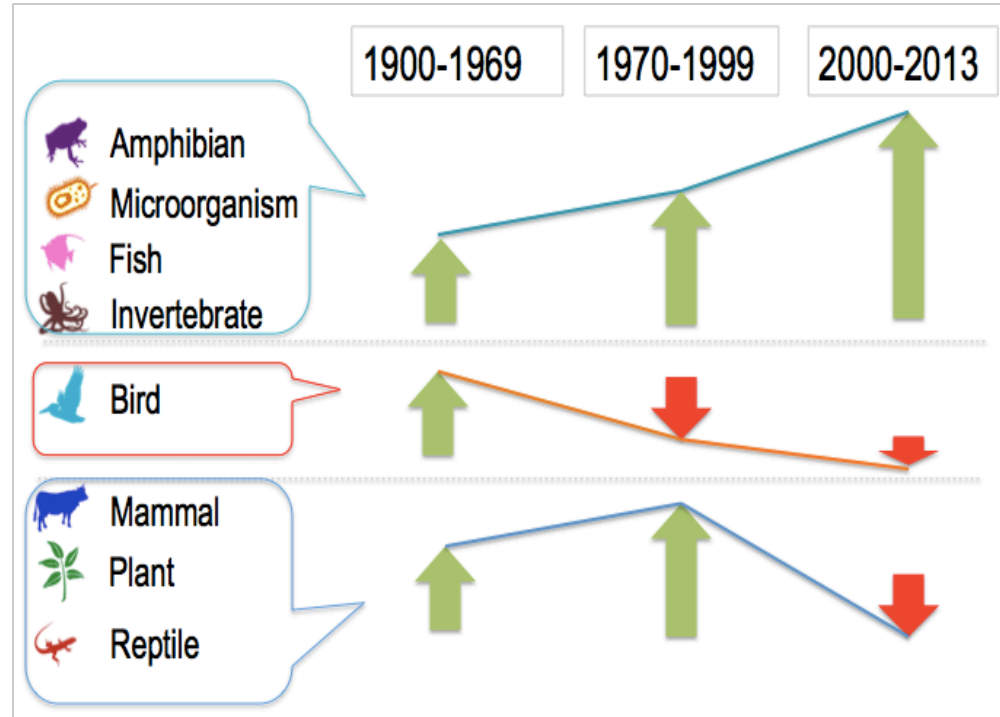
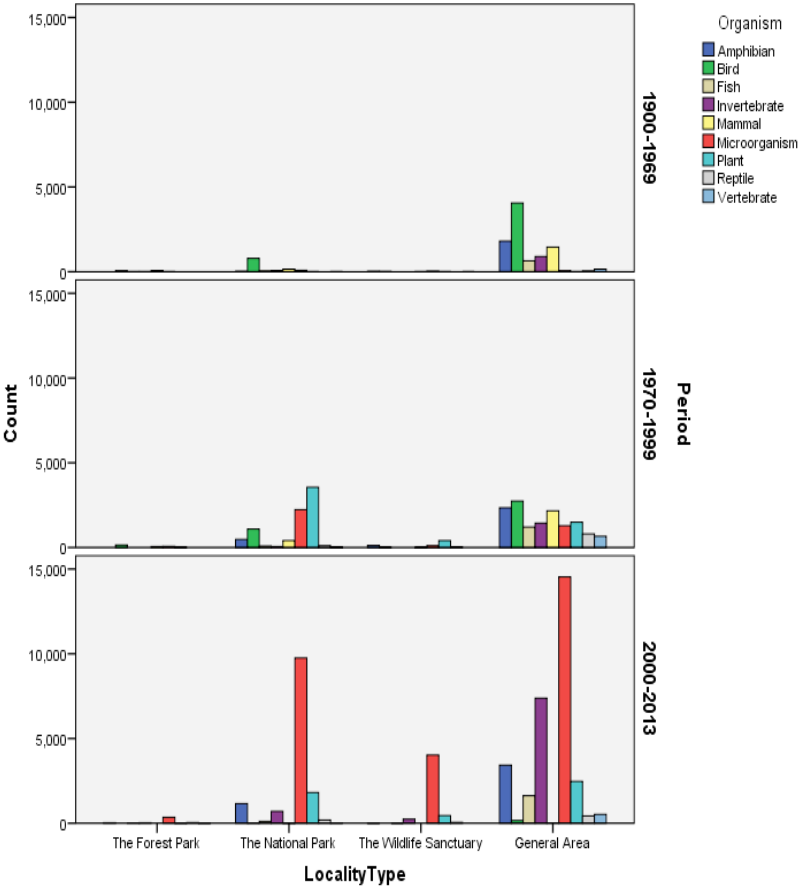
### Yeast



### Insect Fungi



# Collection Time Period



## Major Interest Groups

- Amphibian** → Frog
- Invertebrate** → Ant and Snail
- Fish** → River/ Fresh Water Fish
- Microbe** → Insect Fungi, Yeast, Lactobacillus

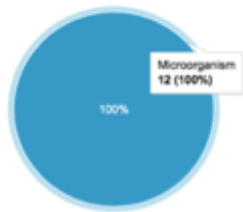
Animal Protection Acts  
**Bird, Mammal**

Deposited at BKF herbarium  
**Plant**

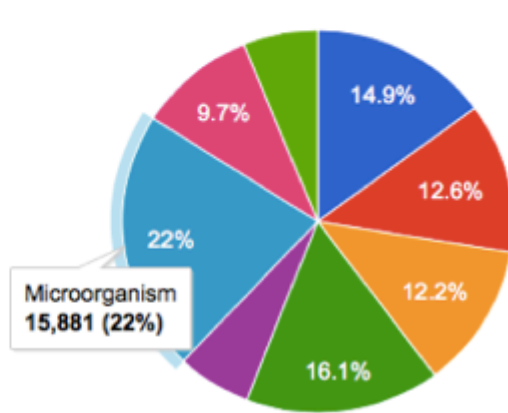


# การใช้ประโยชน์ (Application)

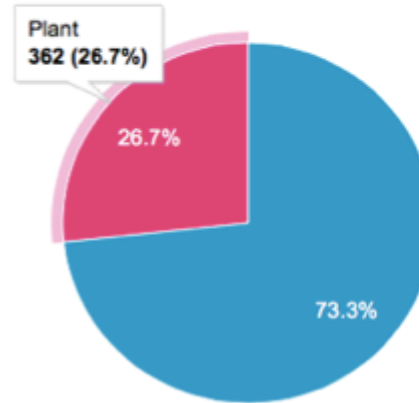
- Amphibian
- Bird
- Fish
- Invertebrate
- Mammal
- Microorganism
- Plant
- Reptile



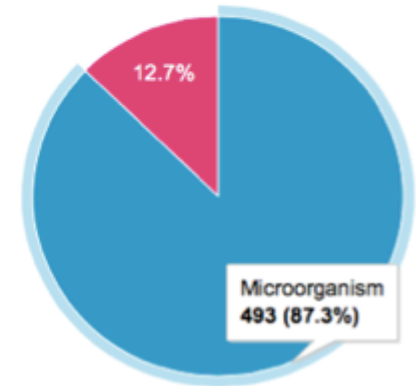
BioEnergy



Reference Collection



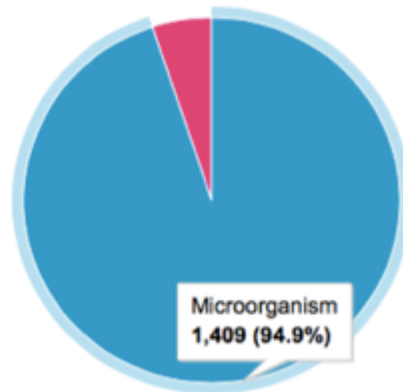
Health & Medicine



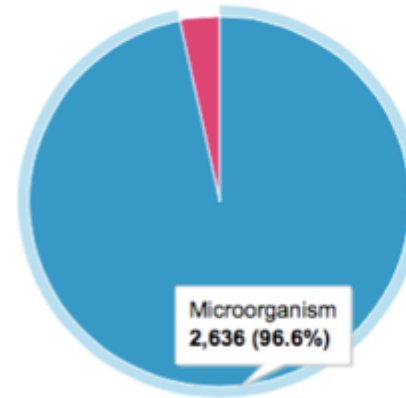
Environment



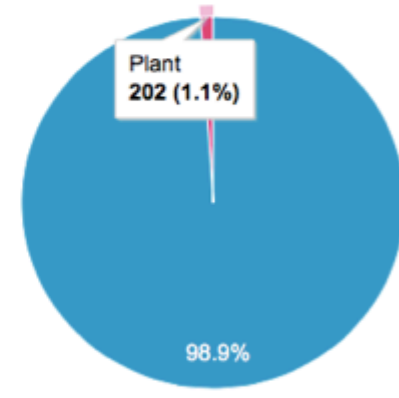
Conservation & Restoration



Agriculture



Industry



Scientific Research



Traditional Knowledge