中國動物信息網

AIMS

http://www.animal.net.cn

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What is AIMS ?

- Animal Information Management System
  - It's a CMS (Content Management System)
  - A scientific biodiversity database
  - Focus on the animal taxonomy, ecology, biodiversity information.
  - Goal is to collect and share the scientific biodiversity data about animal freely
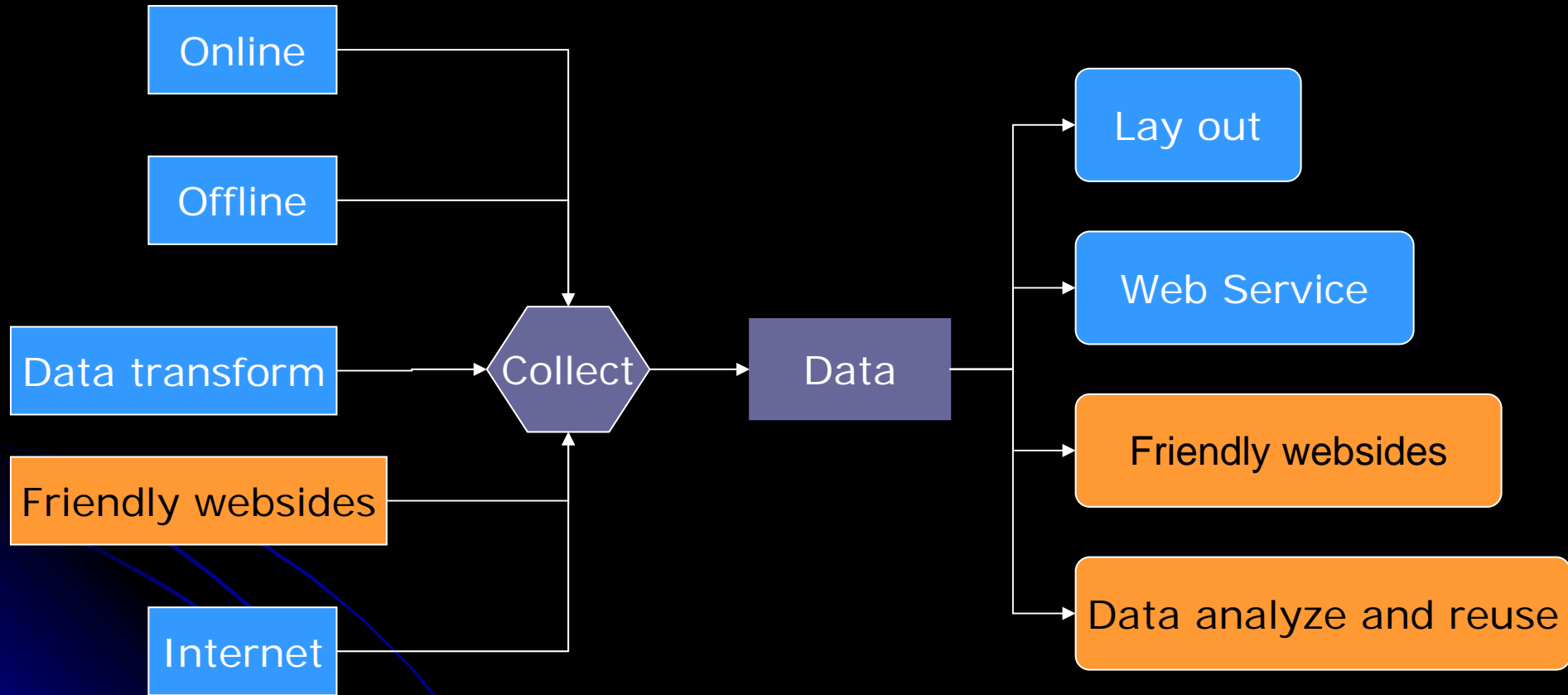 - Its birthday is Apr 6th, 2005. 1½ Years old.

Why AIMS ?

- (GBIF) Both biodiversity and biodiversity data are unevenly distributed around the world:

Developing World Biodiversity

Developed World Biodiversity Data
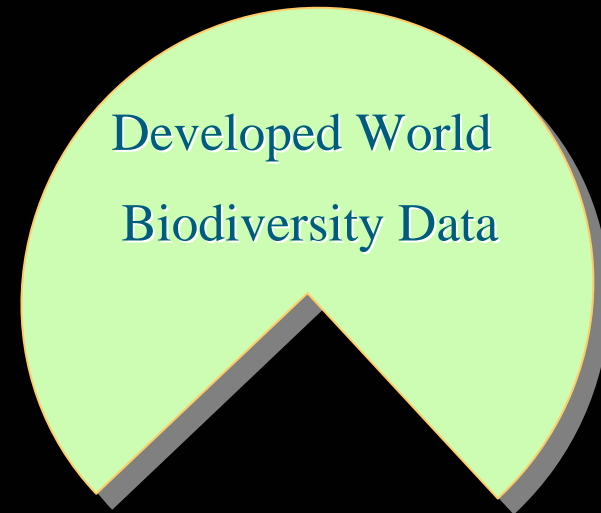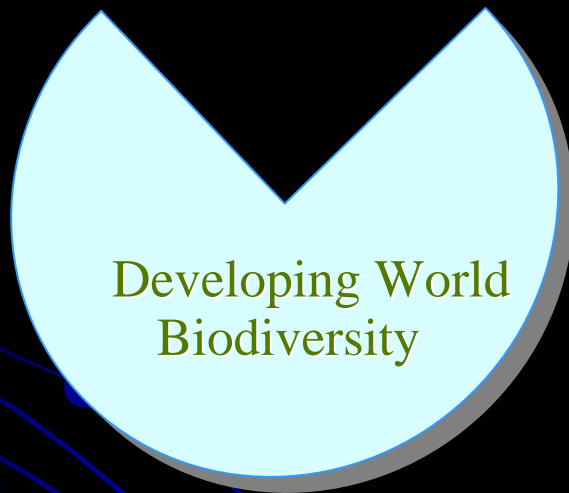
- China is a developing country and a region abundant in wildlife.
- So ...

AIMS Components

AIMS Components - Online

Manage the content

Set the expert who is in charge of this classification

AIMS Components - Offline

AIMS Components - Offline

Client   Server

Download initial file ◄——— HTTP ——— Web Server

Input data offline

Email

POP3

Submit data/Packet(s)

Import
(Web Service)

HTTP/SOAP

Wild Area Network (WAN)

AIMS Components - Data transform

Data in PMS by Pro. Xue
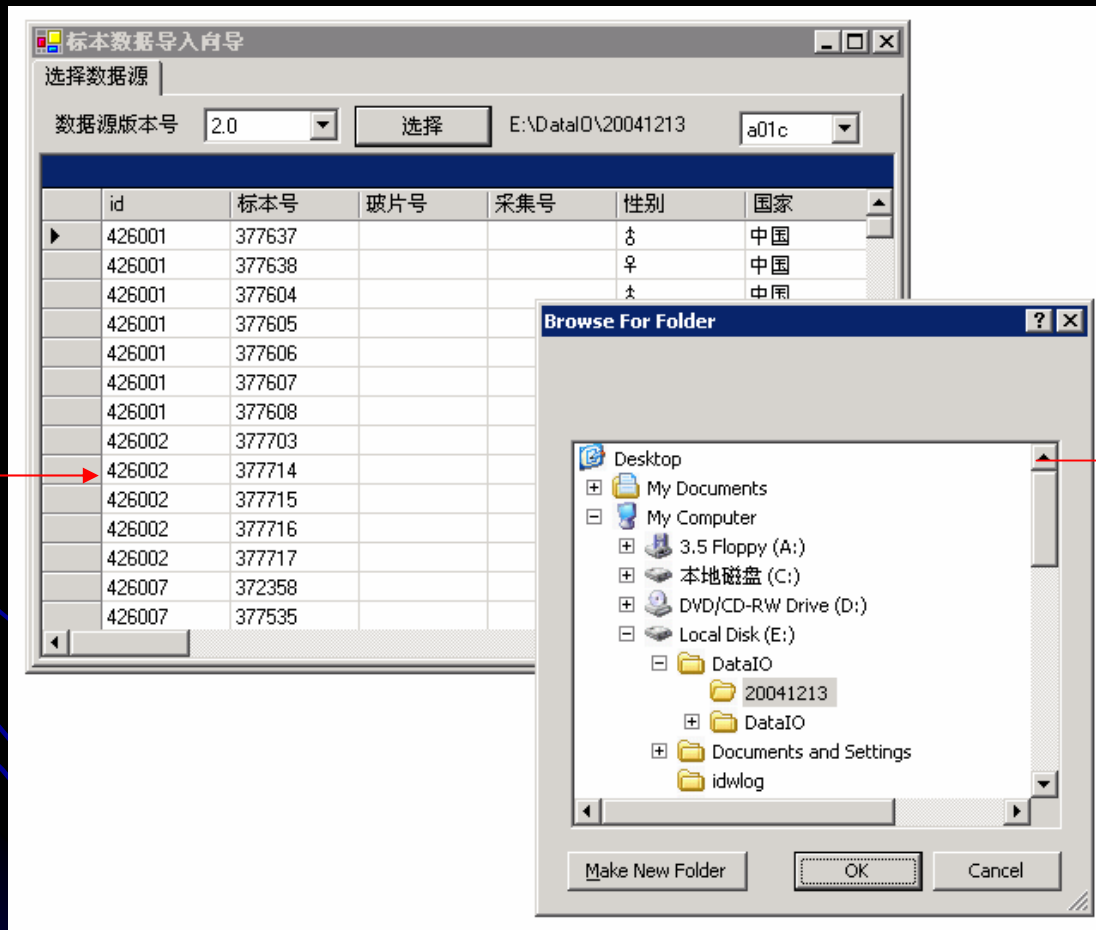
AIMS

AIMS Components - Meta-Search Engine

Primary Search Engines

Interface

Result

METASEARCH
about BIODIVERSITY

In this meta-search engine, you submit keywords in the search box, and it transmits your search simultaneously to several individual search engines. After it, you get back results from all the search engines.

AIMS Components - Meta-Search Engine
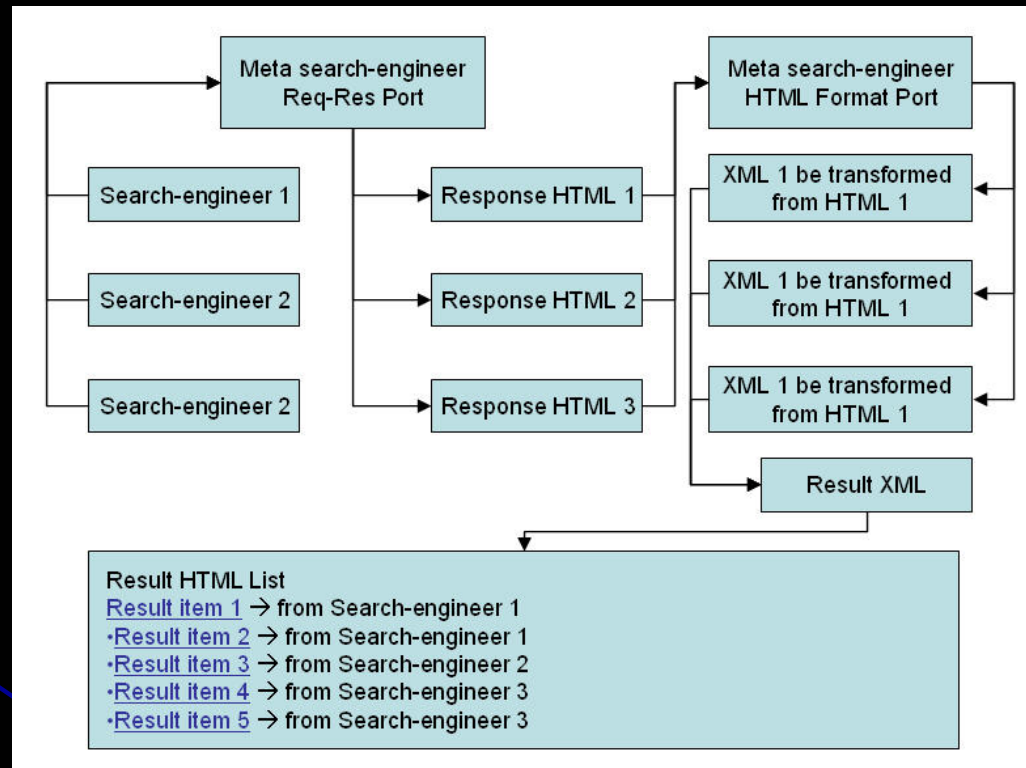
Patten of Meta-Search Engine

AIMS Components - Lay out

News

Knowledge

Specimen

Http://www.animal.net.cn

Taxa info

WebGIS

AIMS Components - Lay out

KEY to some classification

AIMS Components – Web Service

A WebService

Application

Analyze

AIMS Components
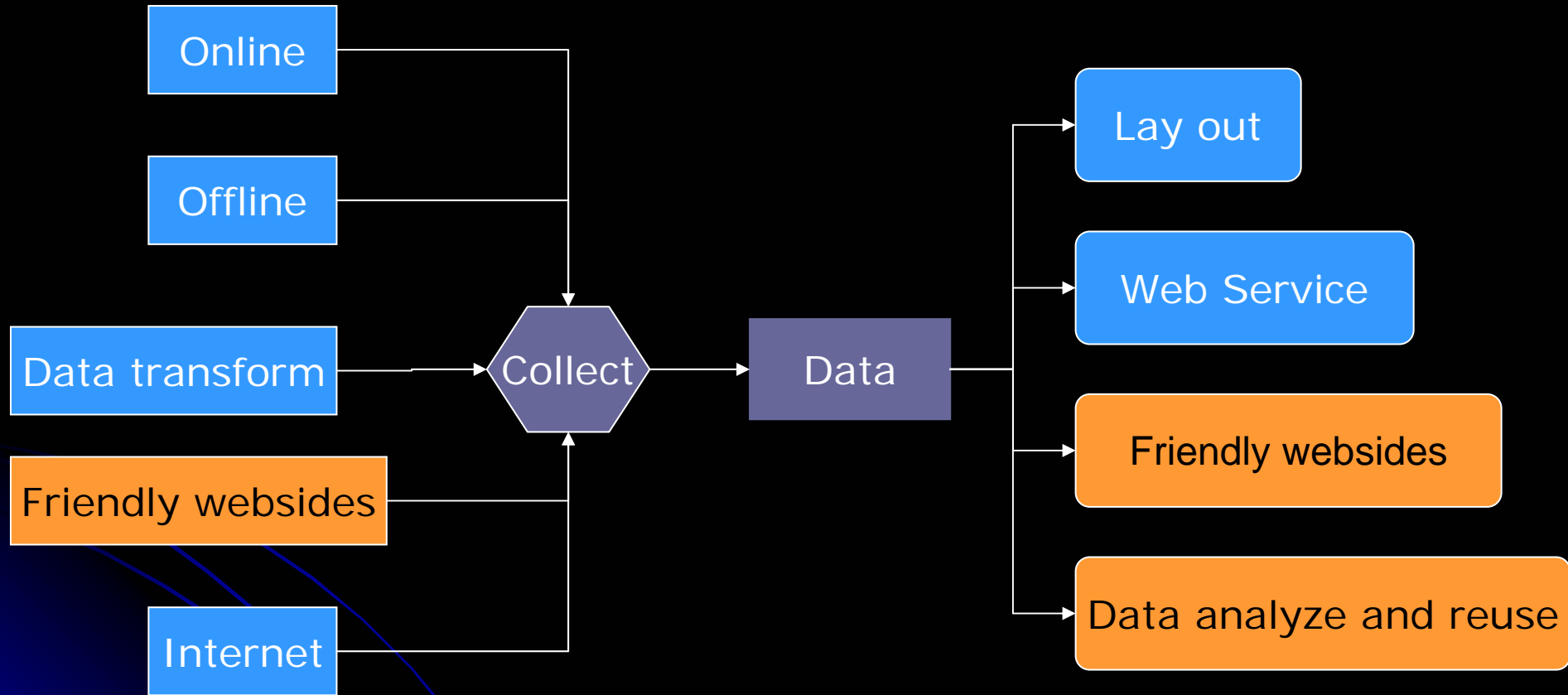
Data in AIMS

- Inherit the Darwin core 2 and ABCD standard
- Include:
  - Phyla: 7
  - Classes: 18
  - Orders: 211
  - Families: 1266
  - Genera: 4426
  - Species: 21055
  - Specimens: 5291
  - Synonyms: 16962
  - Papers: 18036

	May-05	Oct-05	Mar-06	Jul-06	Oct-06	future
Species	5,460	8,795	10,701	14,903	21,055	50,000
Specimens	0	0	133	2,091	5,291	
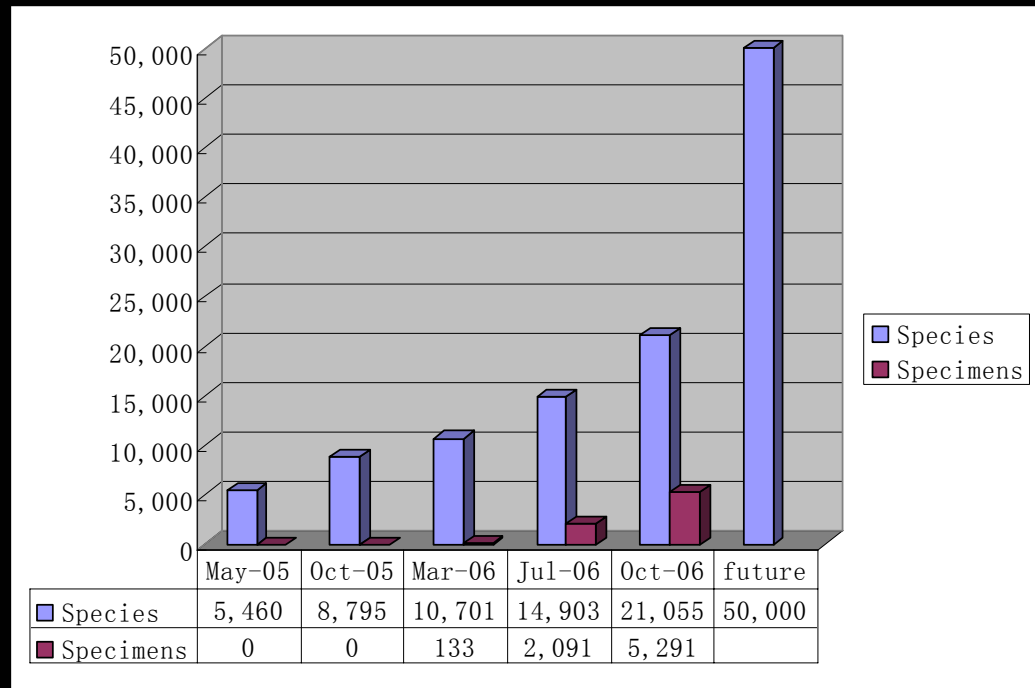
Use of AIMS
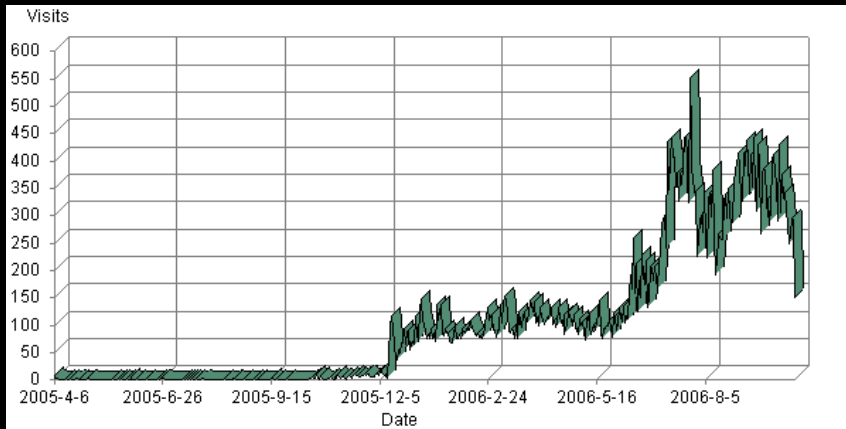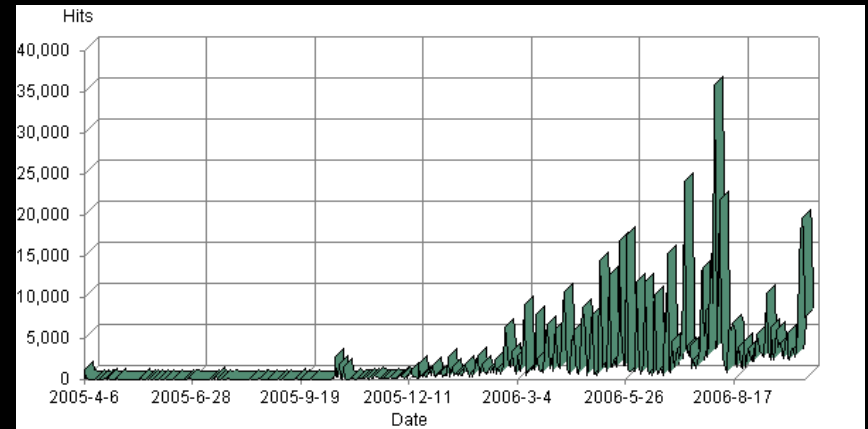
Daily Visits

Daily Hits

Visits By Day Of Week

Visits By Hour Of Day

Some analyses from Google
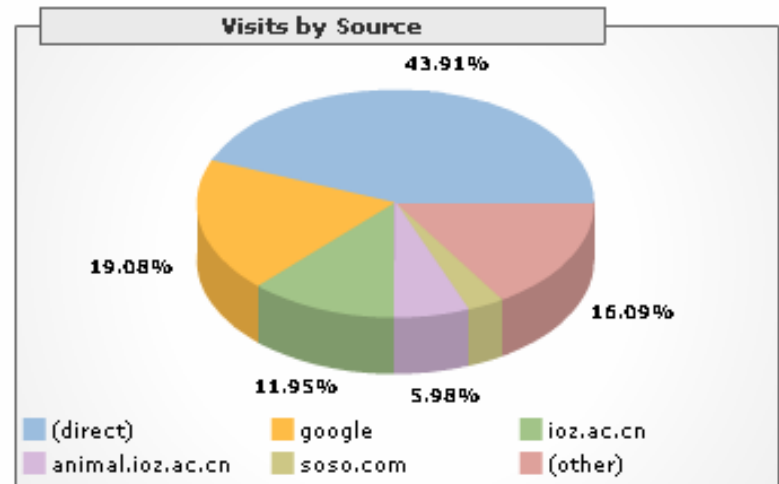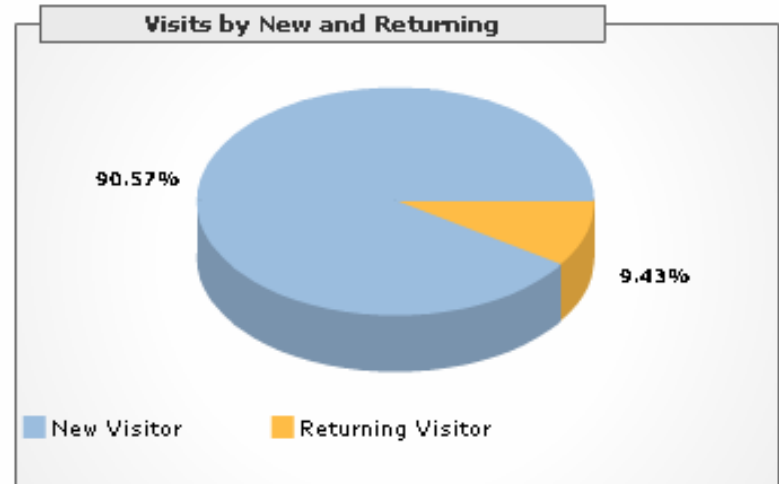
Our goals
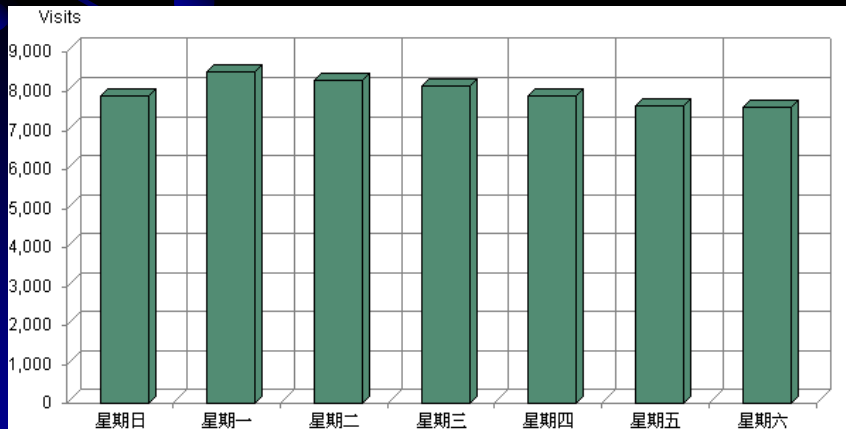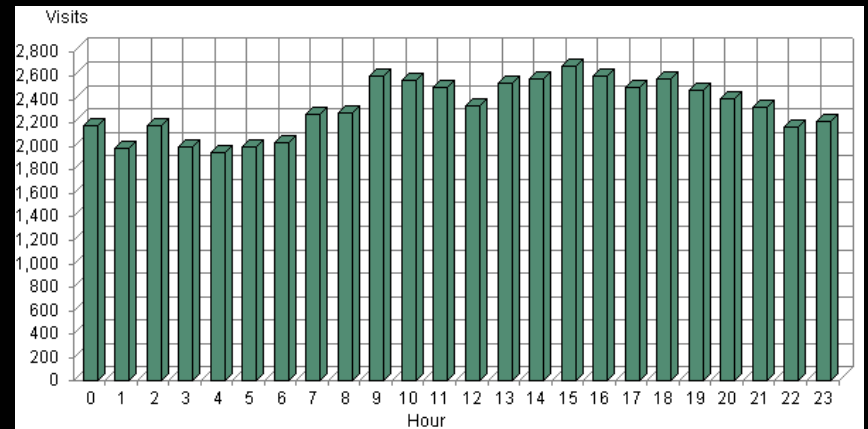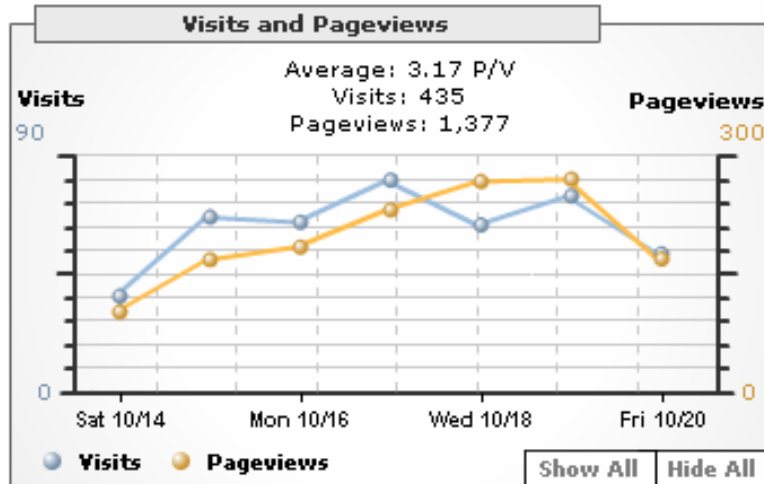
- Collect more data

- Offer multifarious services

- Cooperate with the friendly organizations

- Seamless connection with correlative database, like Fishbase, ETI, CoralBase

- Communicate with the wider fields, such as Genebank, NCBI, etc.

- Become the participant node of GBIF.

- Provide data for the Chinese hub of SP2000

Thanks for your attention.

Any questions?

http://www.animal.net.cn

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