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 6\(^{th}\), 2005. 1\(^{1/2}\) 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 - Online

Manage the content

Set the expert who is in charge of this classification
AIMS Components - Offline
AIMS Components - Offline

Client

Download initial file

Input data offline

Submit data/Packet(s)

Server

Web Server

Email

Import (Web Service)

HTTP

HTTP/SOAP

Wild Area Network (WAN)

POP3
AIMS Components - Data transform

Data in PMS by Pro. Xue
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

Pattern of Meta-Search Engine
AIMS Components - Lay out

Knowledge

News

Specimen

Taxa info

WebGIS

Http://www.animal.net.cn
animal classification table -- source "<中国野生动植物网>

- 可以通过点击阶元名称旁边的“+/~”来浏览你所要找的信息。你还可以点击阶元名称来取得该阶元的详细描述。
- 脚底适于步行；无蹼，或不发达
  - 颈和脚均较短；脸部全部被羽；无蹼
  - 颈和脚均较长；趾的下部裸出；蹼不发达
- 后趾发达，与前趾同在一个平面上，趾外侧
  - 鹰形目 CICONIIFORMES -- [显示目录树]
- 后趾不发达或完全退化，骨质时位置亦较其他趾稍高，前趾常被羽
- 趾形尖或短，第1枚初级飞羽短于第2枚长或等长 （麦鸡属以外）；趾间蹼不发达或付缺  - 鹃形
- CHARADRIIFORMES -- [显示目录树]
  - 石鸭属 Burhinus -- [显示目录树]
  - 鹳形目 GRUIFORMES -- [显示目录树]
- 脚适于游泳；有发达的蹼

KEY to some classification
AIMS Components – Web Service

- Analyze
- Application
- tools
  - getvegetation
  - getRain_year
  - getTemperature_year
  - getHumi_year
  - getFono
AIMS Components

- Data Collect
- Online
- Offline
- Data transform
- Friendly websides
- Internet
- Lay out
- Web Service
- Friendly websides
- Data analyze and reuse

Done  To do
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
Use of AIMS

Daily Visits

Visits By Day Of Week

Visits By Hour Of Day
Some analyses from Google

Visits and Pageviews
- Visits: 435
- Pageviews: 1,377
- Average: 3.17 visits/pageview

Visits by New and Returning
- New Visitor: 90.57%
- Returning Visitor: 9.43%

Geo Map Overlay

Visits by Source
- (direct): 43.91%
- google: 19.08%
- animal.ioz.ac.cn: 11.95%
- soso.com: 5.98%
- (other): 16.09%
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?

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