



Crested Ibis Restoration in Korea

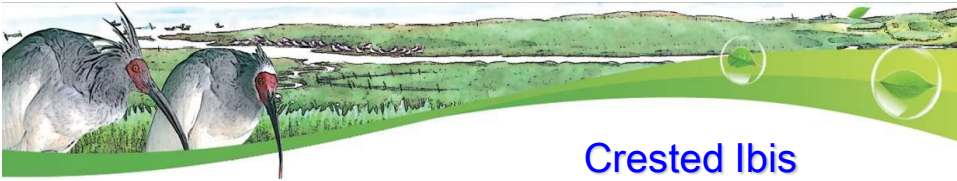
Upo management center
Sung Bong, LEE



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Crested Ibis

Ciconiiformes, Threskiornithidae

Name : Crested Ibis

Scientific Name : *Nipponia nippon*

Features

Size : 75cm

weight : 1.6~2kg

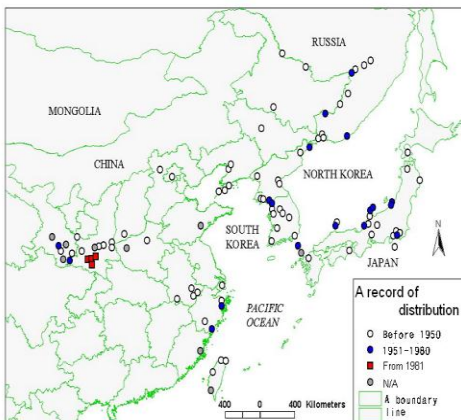
Conservation

Korea : Natural Monument, 198

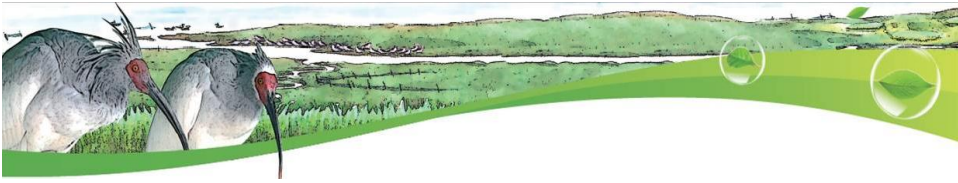
International : IUCN Red list,
Endangered species



1. Crested Ibis



- B.C.100, Chinese history
- 720, Japanese history
- 1871, *Nipponia nippon*
(1genus, 1species, Japan)
- 1960, 'International protect bird'"
(Tokyo)
- 1981 - extinct(Korea, Russia)
- extinct of wild bird(Japan)
- restoration of 7 Ind. (China)



1-1. Crested Ibis in Korea

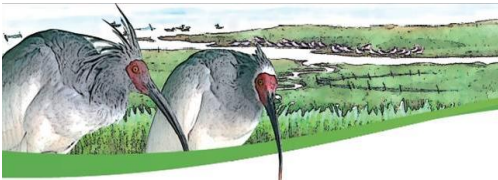
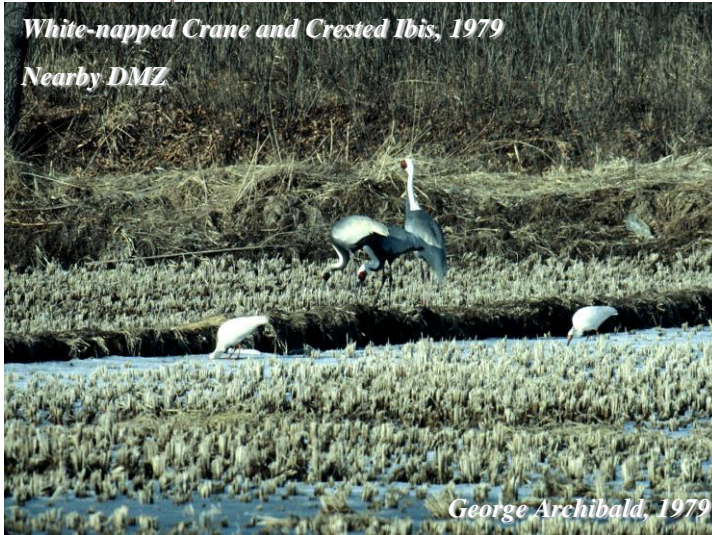
- 1860 large population
- 1888-1913 about 50 individual group
 of ibis recorded(Seoul)
- 1936 10 individual (Seoul zoo)



1978~79
Last bird capture operations

(George Archibald)

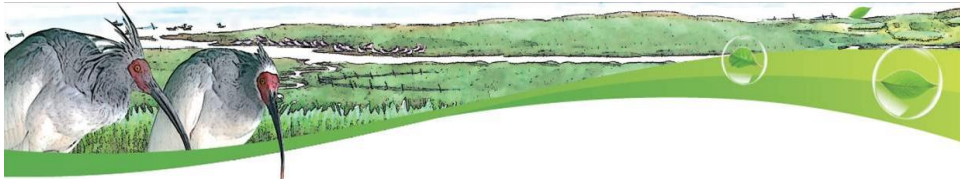




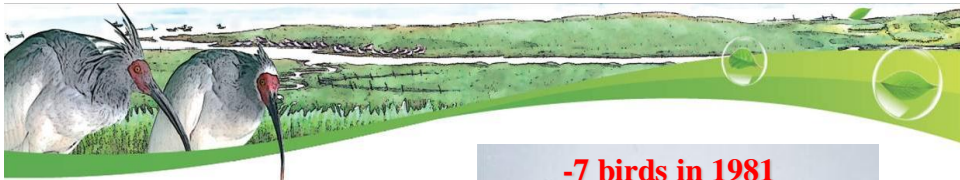
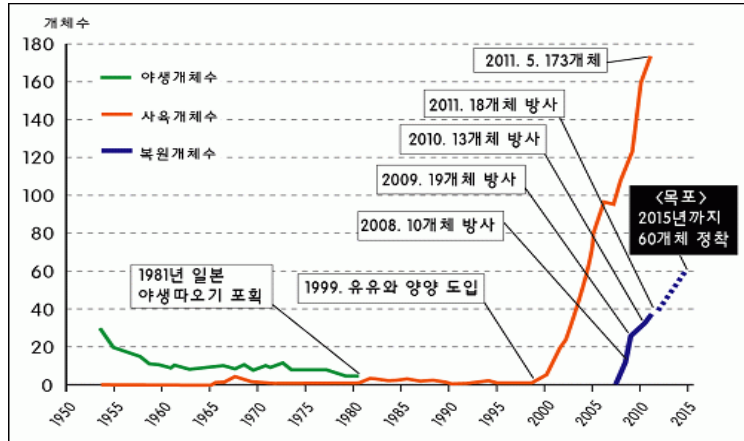
1-2. Crested Ibis in Japan

- wild bird in 1970





1-2. Changes of population size in Japan



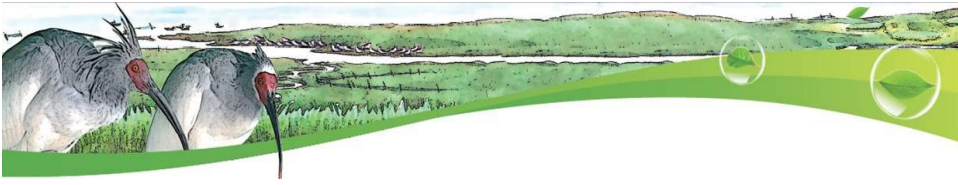
1-3. Restoration(China)

- 1981 – designate to protection area (Shānxī Shěng, China)

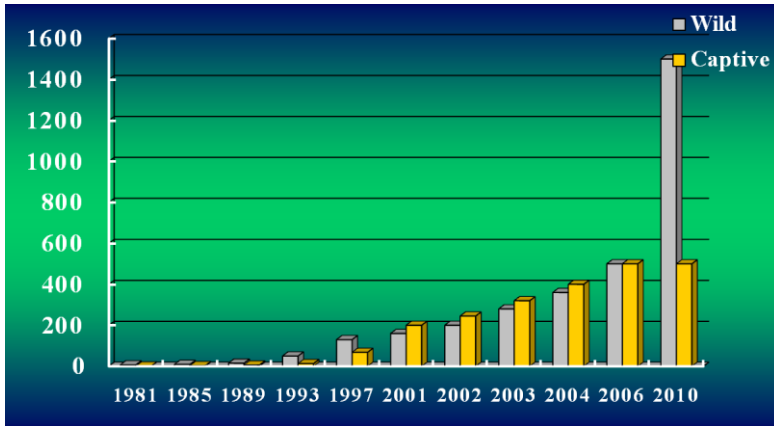


- 2006 - Shānxī Shěng, China
National Protection Area : 1,000 Ind.

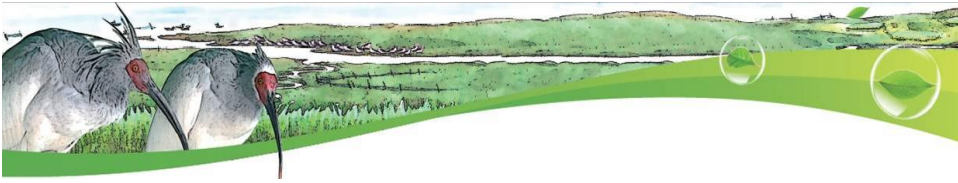




1-3. Changes of population in China



2. Background



Symbol of friendship between Korea and China



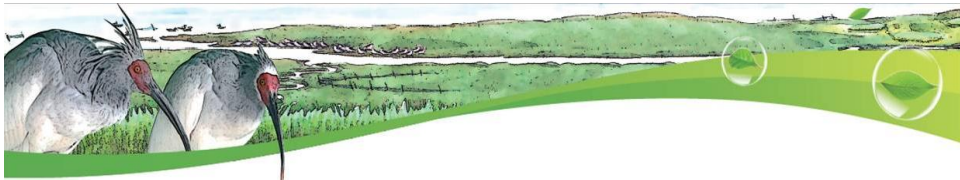
2008. 8. 25.
Ho jin tao and Myungbak LEE



The first step of restoration



2008. 10. 17.
A pair of Crested Ibis reached in Korea



● Life cycle



winter



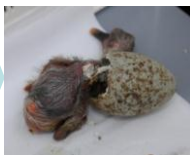
Nuptial plumage



mating



Laying eggs



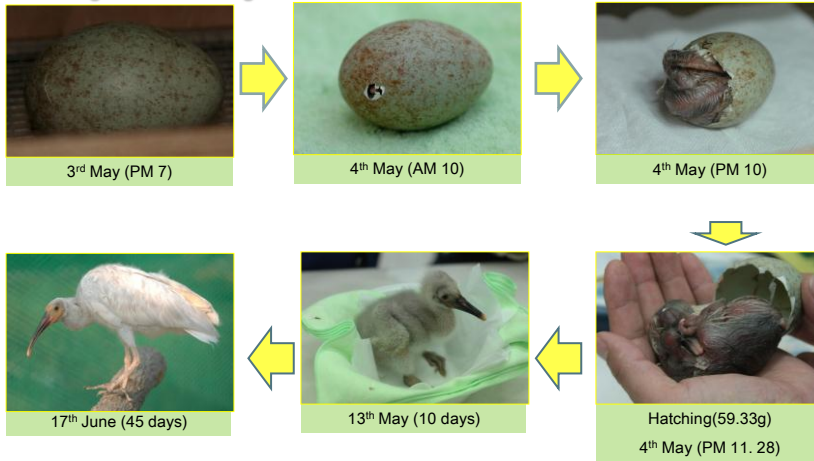
hatching



juvenile



Stage of hatching

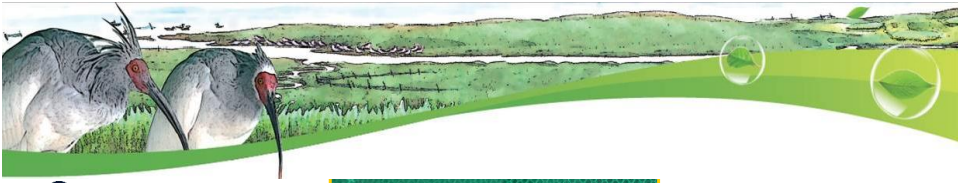


Crested Ibis



Classification	2009	2010	2011	2012
Egg	10	10	8	13
Unfertilized egg	1	3	1	4
Hatching	4	3	7	2
Total. Ind.	2	2	7	

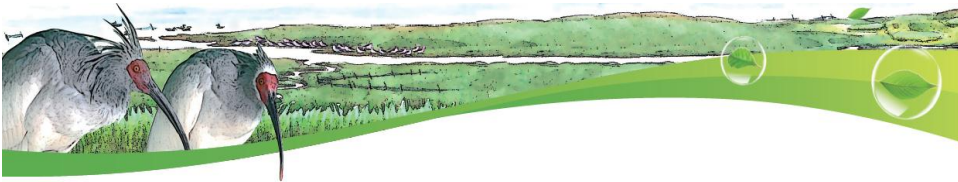
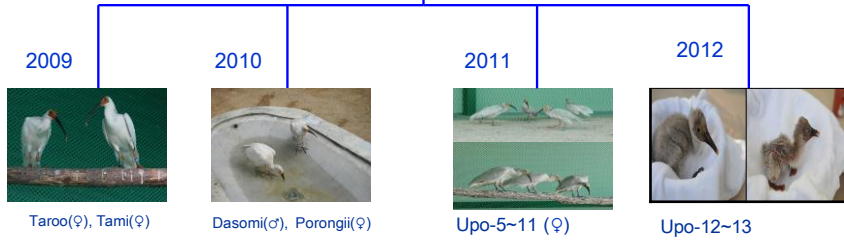




● Family tree



Yangjeowoo(♂), Roong ting(♀)



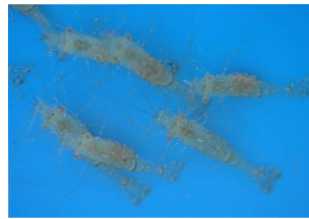
● Food



Artificial food(beef)
- morning

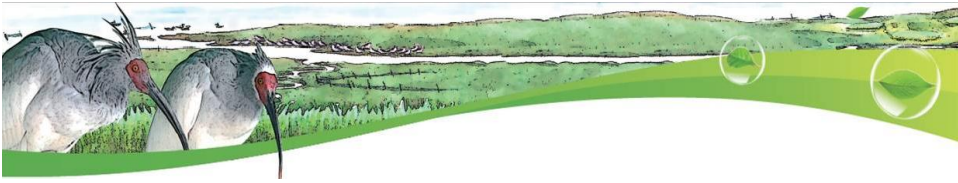


Loach
- afternoon



Freshwater shrimps
- Any time





● Other species of ibis

Reach time : 2010. 6. 16. 17:30



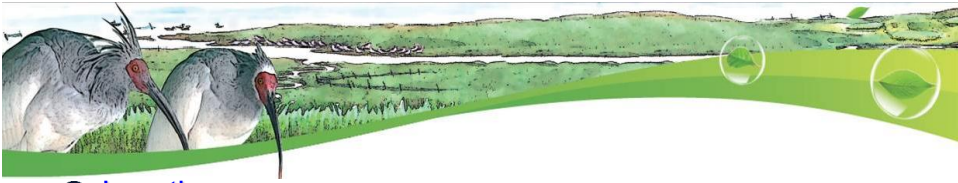
Straw-necked Ibis
Threskiornis spinicollis



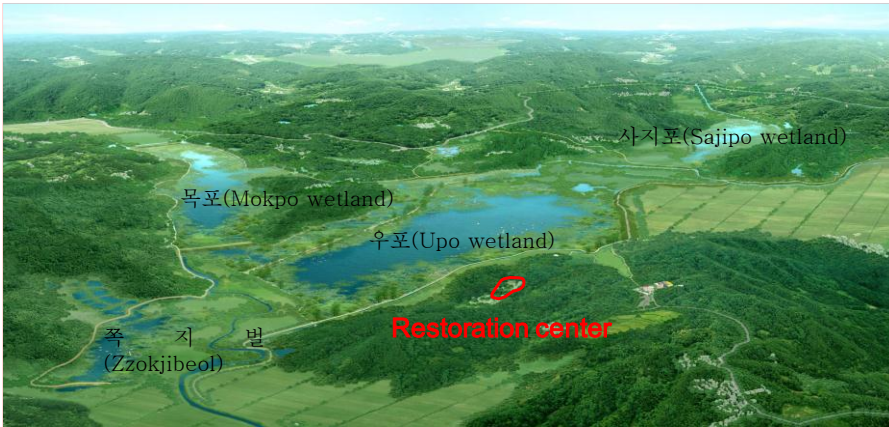
American White Ibis
Eudocimus albus



4. Construction of Ibis restoration center



● Location



● Restoration center



○ Total area : 19,810m²

○ Expenses : 7million \$

○ Facilities

Classification	NO.	Size
Research	1	1,000m ²
Quarantine	1	260m ²
Reproduction cage	16	2,152m ²
Breeding cage	1	900m ²
Hatching & Brood	1	45m ²
Other species	1	52m ²

○ Completion : '11. 6. 21

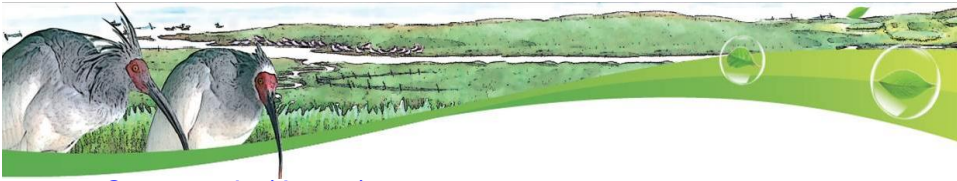
※ Wild habitat adaptation facility
: 2014

5. Wild habitat release plan

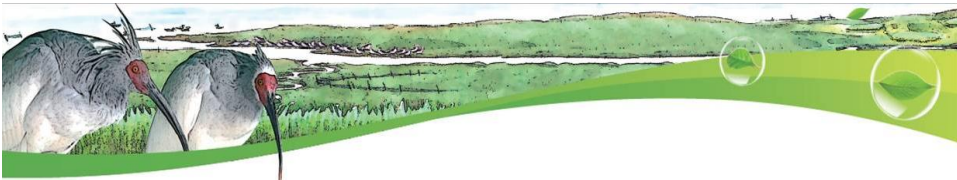


● Biotope (13 area)





● Case study (Japan)



● Release plan

● Current status

Total	2008	2009	2010	2011	2012	Remarks
15	♂-1, ♀-1	♀-2	♂-1, ♀-1	♀-7	2	

● Increase plan

Total	2011	2012	2013	2014	2015	2016
118	13	5(18)	10(28)	20(48)	30(78)	40(118)

Thank you for your attention !

