

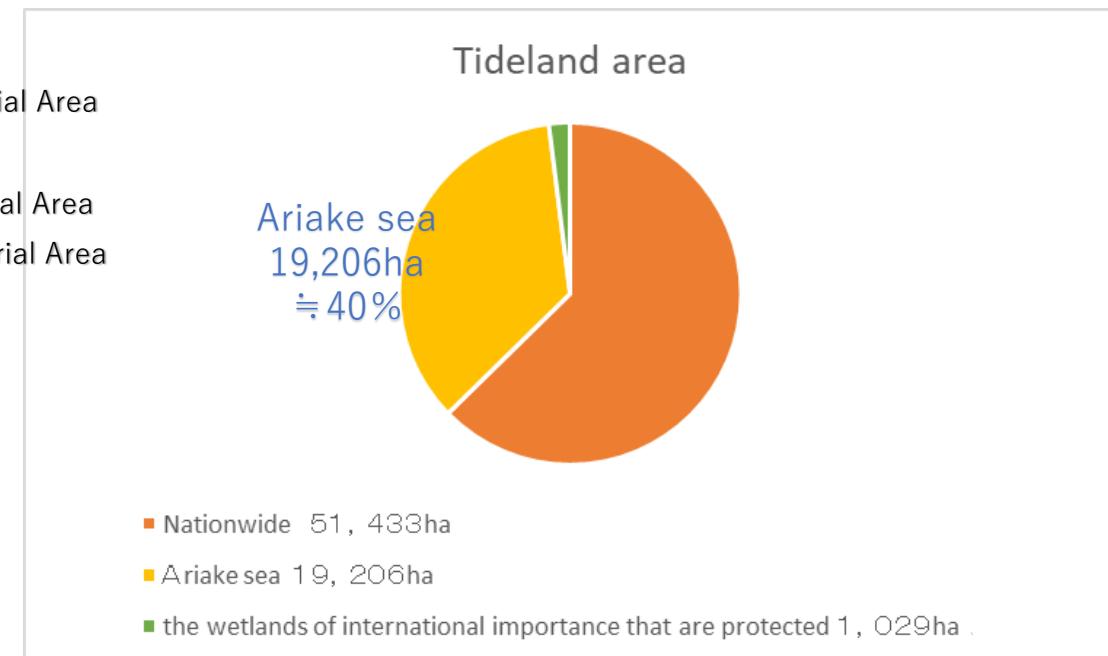
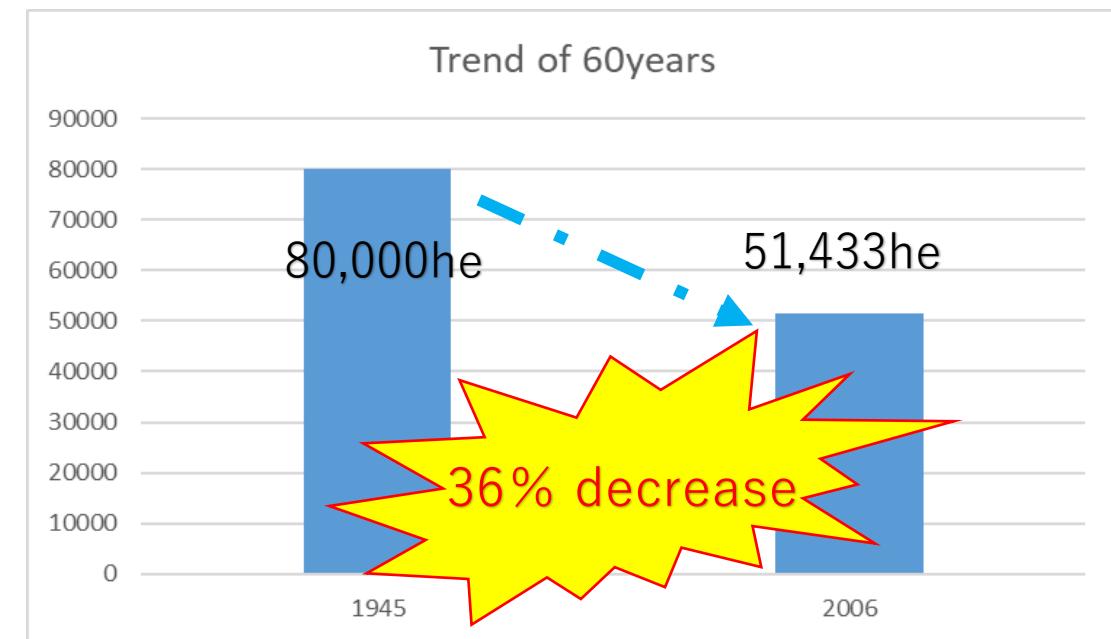
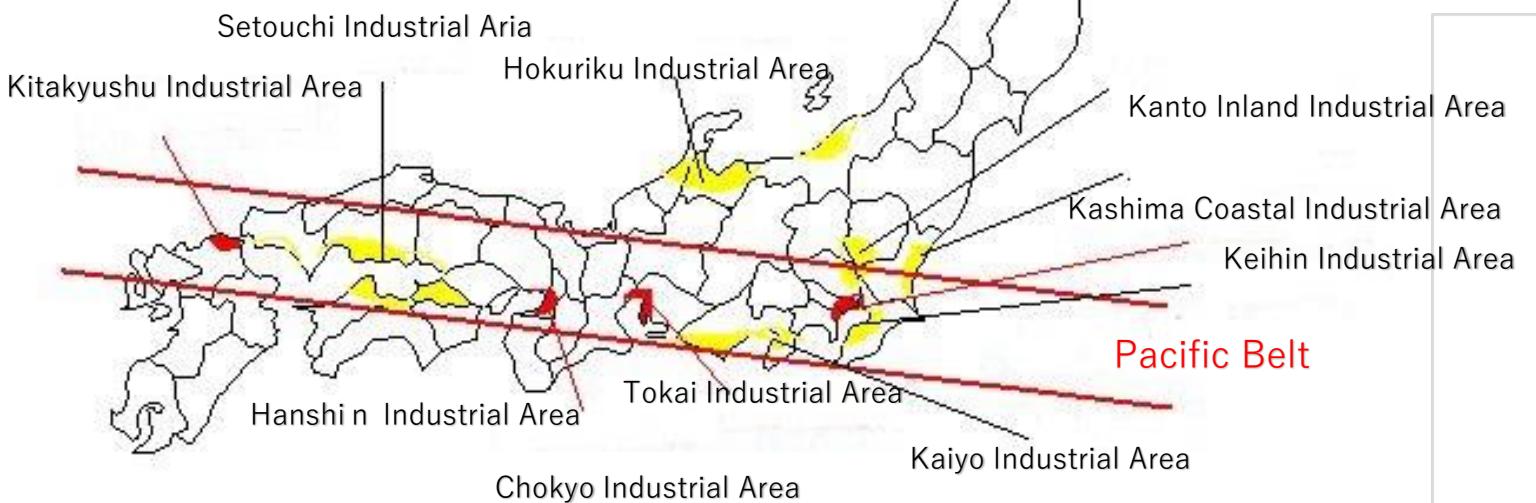
A wide-angle photograph capturing a massive flock of shorebirds in flight over a coastal landscape. The birds, appearing as small white and grey shapes against a blue sky, form a dense, swirling pattern that covers most of the upper half of the frame. Below them, a flat, sandy or muddy shoreline stretches across the middle ground, leading towards a distant, low-lying horizon under a clear blue sky.

# Wild birds in Ariake sea

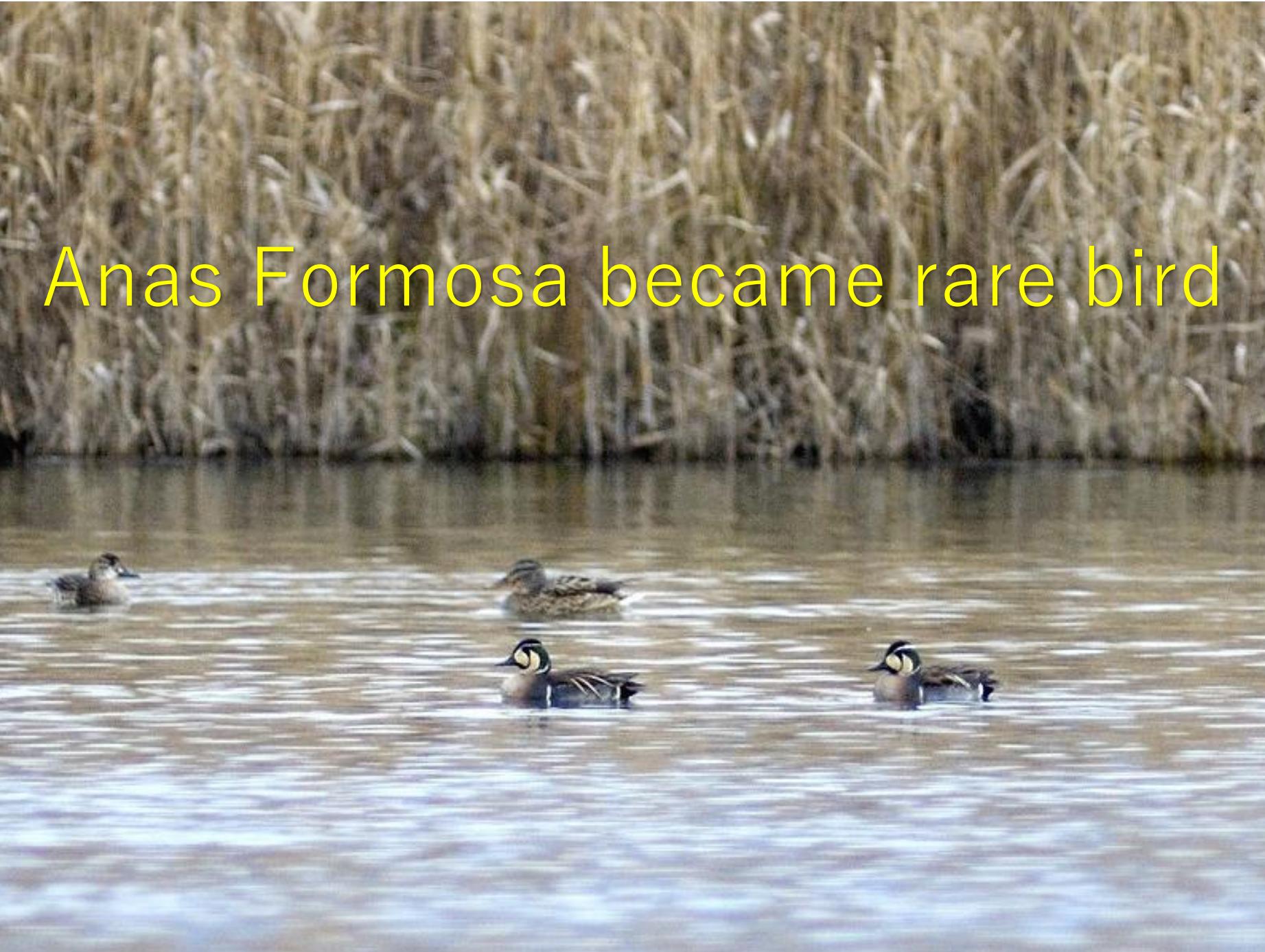
(past, present, and future)

Wild Bird Society of Japan Saga

# Changes in the tide area





A photograph showing four ducks swimming in a body of water. In the foreground, two ducks are clearly visible, facing right. Behind them, two more ducks are partially submerged or facing away. The water has a textured, slightly choppy appearance. In the background, a dense stand of tall, brown reeds or grasses lines the shore, creating a natural habitat scene.

Anas Formosa became rare bird

the maximum number of individuals in the survey moniteting-site 1000

30000

25000

**usage rate 3 3 %**

20000

15000

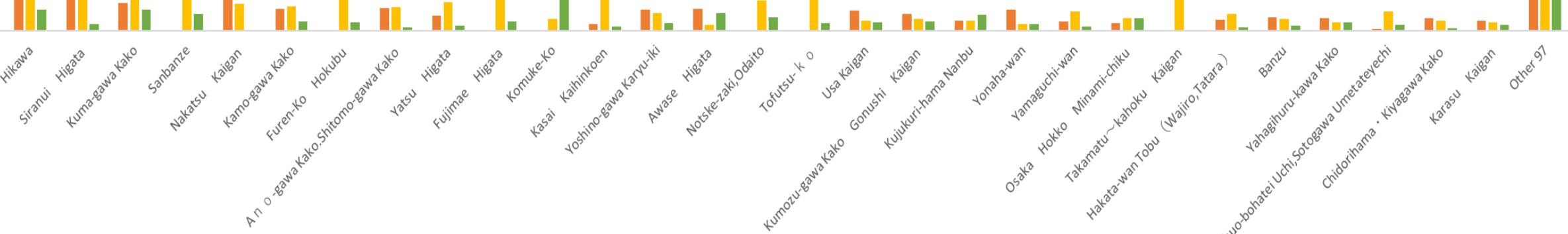
10000

5000

0



Ariake sea



2015 winter

2016 spring

2016Autumn

# monitering-site 1000

Main tidal flat

Higasiyoka Kaigan



Kasima Singomori Kaigan



Hayatue -gawa kako



Onoshima



Arao Higata



Sirakawakako



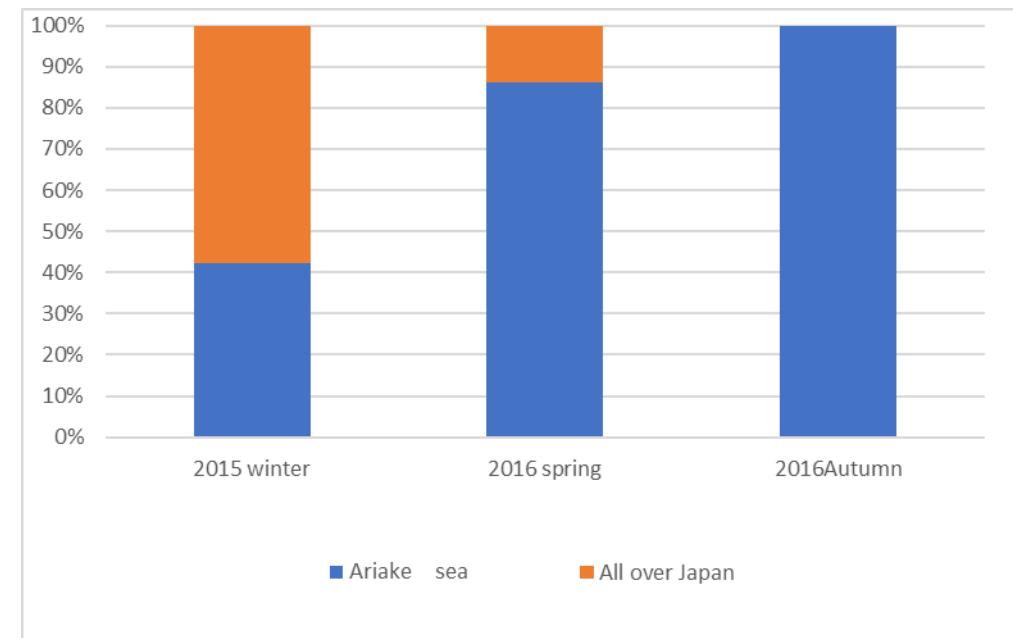
## *Chroicocephalus saundersi*



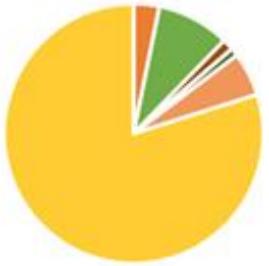
- Kasima Shingomori Kaigan ■ Rokkaku-gawa Kako
- Higasiyoka kaigan ■ Hayatsue-gawa Kako
- Onoshima ■ Arao kaigan
- Shira-kawa Kako ■ other



usage rate 45%



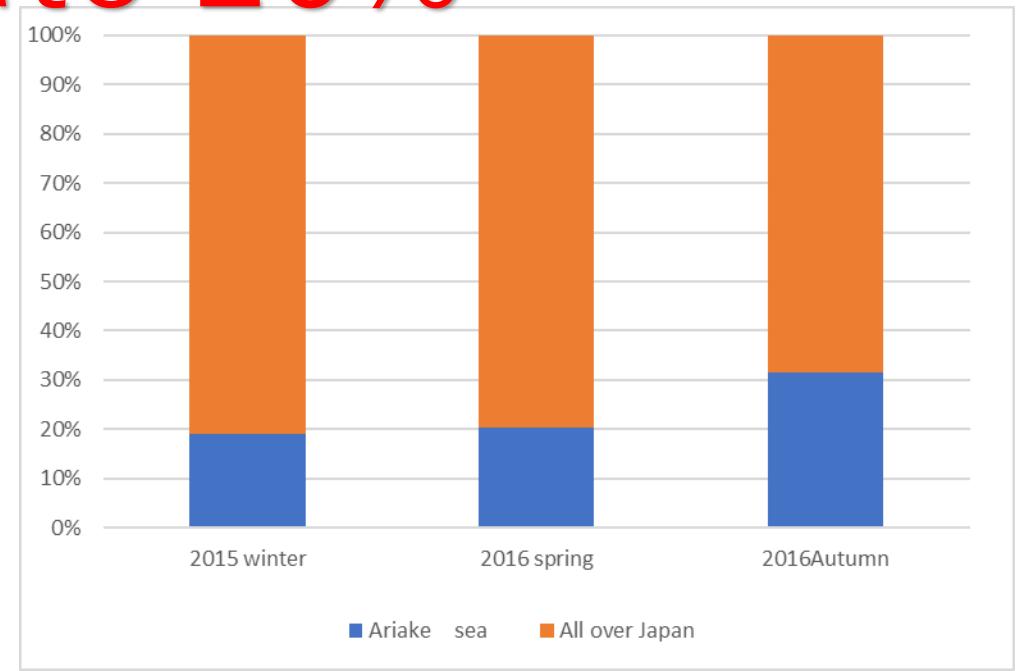
*Platalea minor*



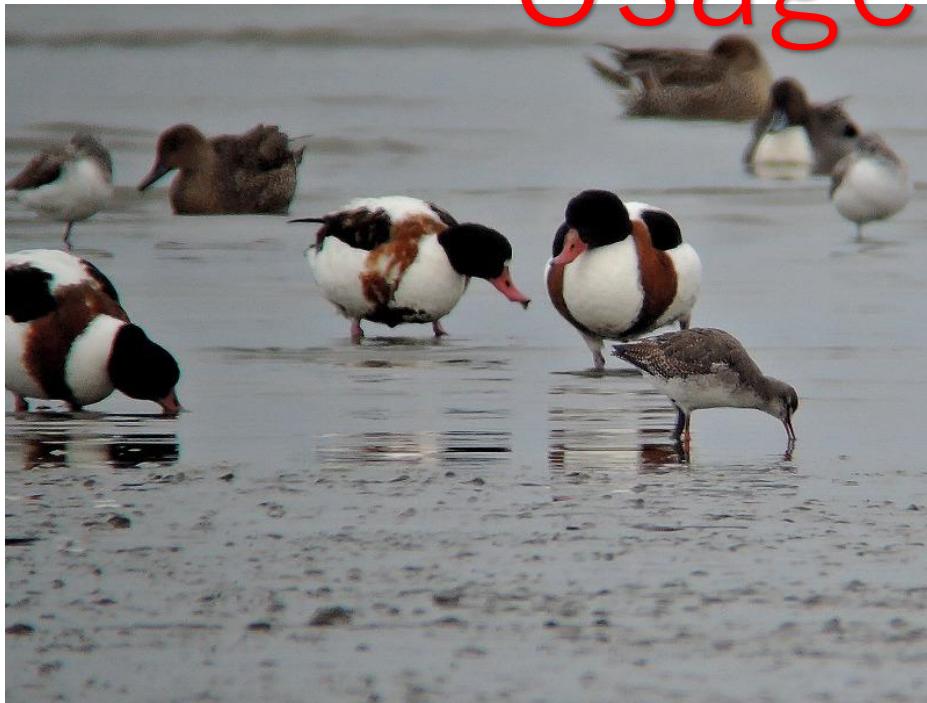
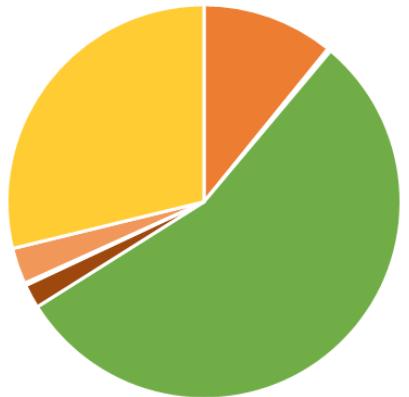
- Kasima Shingomori Kaigan ■ Rokkakugawa Kako
- Higasiyokkaigan ■ Hayatsuegawa Kako
- Onoshima ■ Arao kaigan
- Shirakawa Kako ■ other



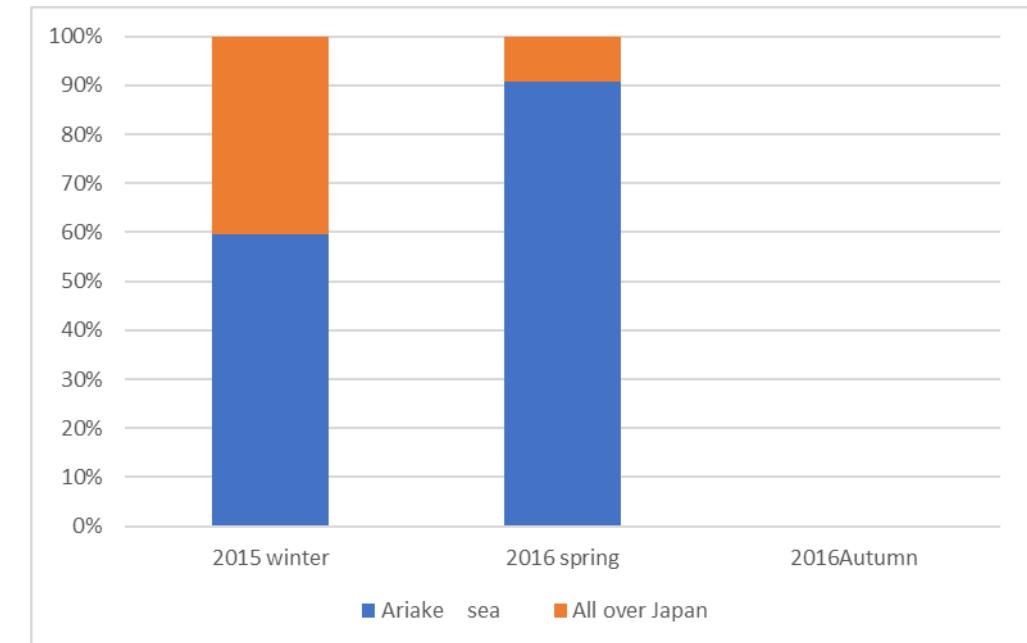
usage rate 20%



Tadorna tadorna



Usage rate 71%

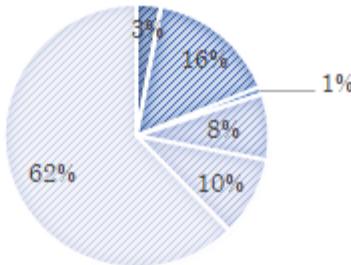


## CALDRIS ALPINA

- Kasima Shingomori Kaigan
- Hayatsue-gawa Kako
- Shira-kawa Kako

- Rokkaku-gawa Kako
- Onoshima
- other

- Higasiyoka kaigan
- Arao kaigan



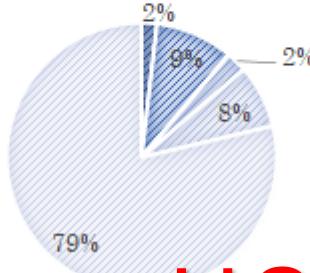
usage rate 38%



Eurynorhynchus Pygmeus

## CHARADRIUS ALEXANDRINUS

- Kasima Shingomori Kaigan
- Hayatsue-gawa Kako
- Shira-kawa Kako
- Rokkaku-gawa Kako
- Onoshima
- other
- Higasiyoka kaigan
- Arao kaigan



usage rate 21%



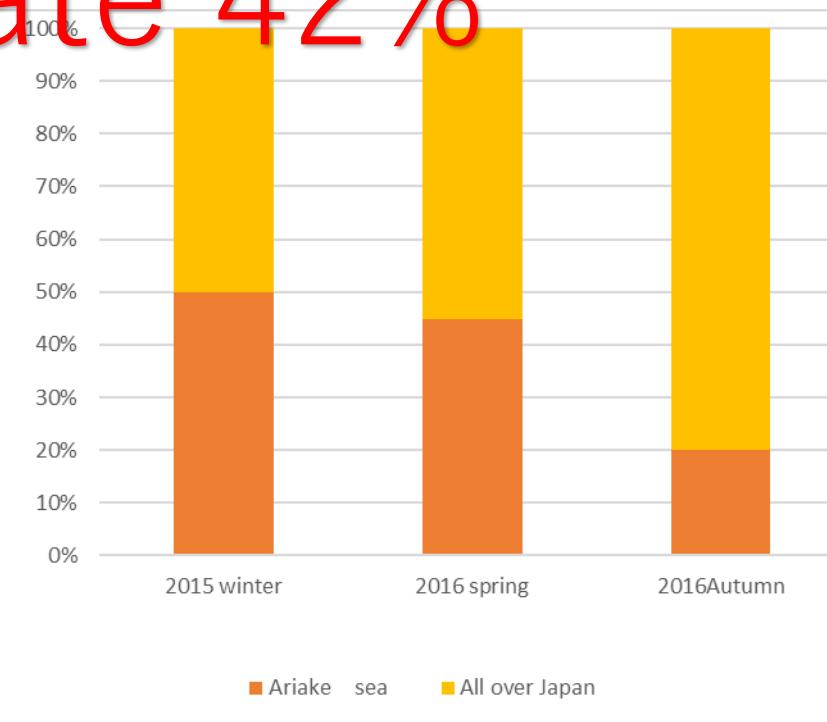
### *Numenius madagascariensis*



- Kasima Shingomori Kaigan ■ Rokkakugawa Kako
- Higasiyokkaigan ■ Hayatsuegawa Kako
- Onoshima ■ Arao kaigan
- Shirakawa Kako ■ other



usage rate 42%



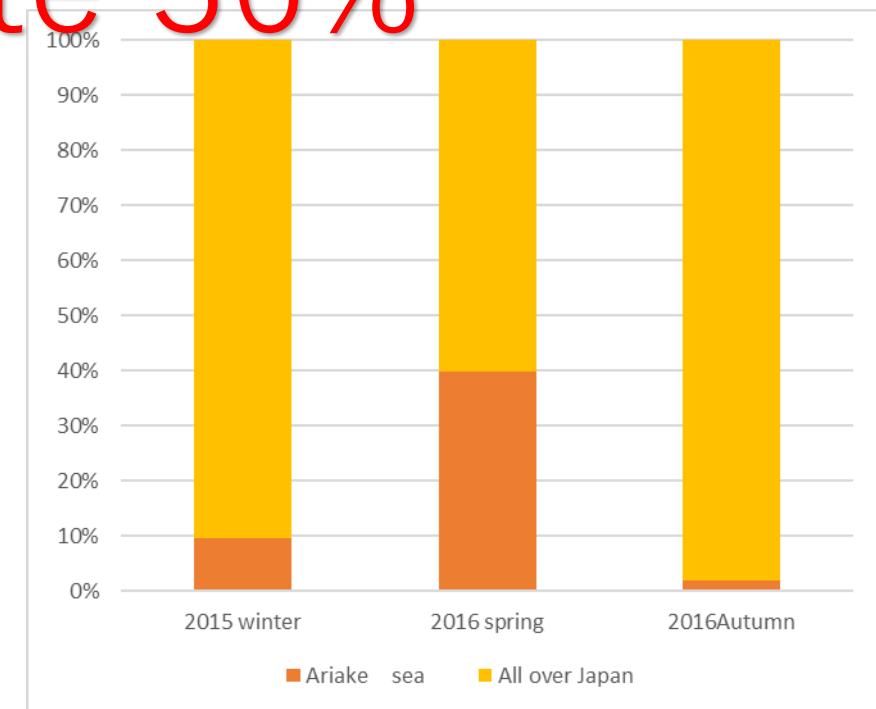
### *Limosa lapponica*



- Kasima Shingomori Kaigan
- Higasiyoka kaigan
- Onoshima
- Shira-kawa Kako
- Rokkaku-gawa Kako
- Hayatsue-gawa Kako
- Arao kaigan
- other



usage rate 36%



30000

# Ariake sea

25000

20000

15000

10000

5000

0

*Higasiyoka kaigan*

Arao kaigan

Shira- k awa Kako

Kasima Shingomori

Kaigan

Hayatsue-gawa Kako

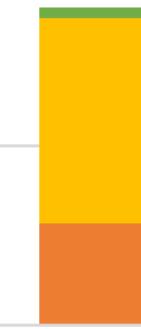
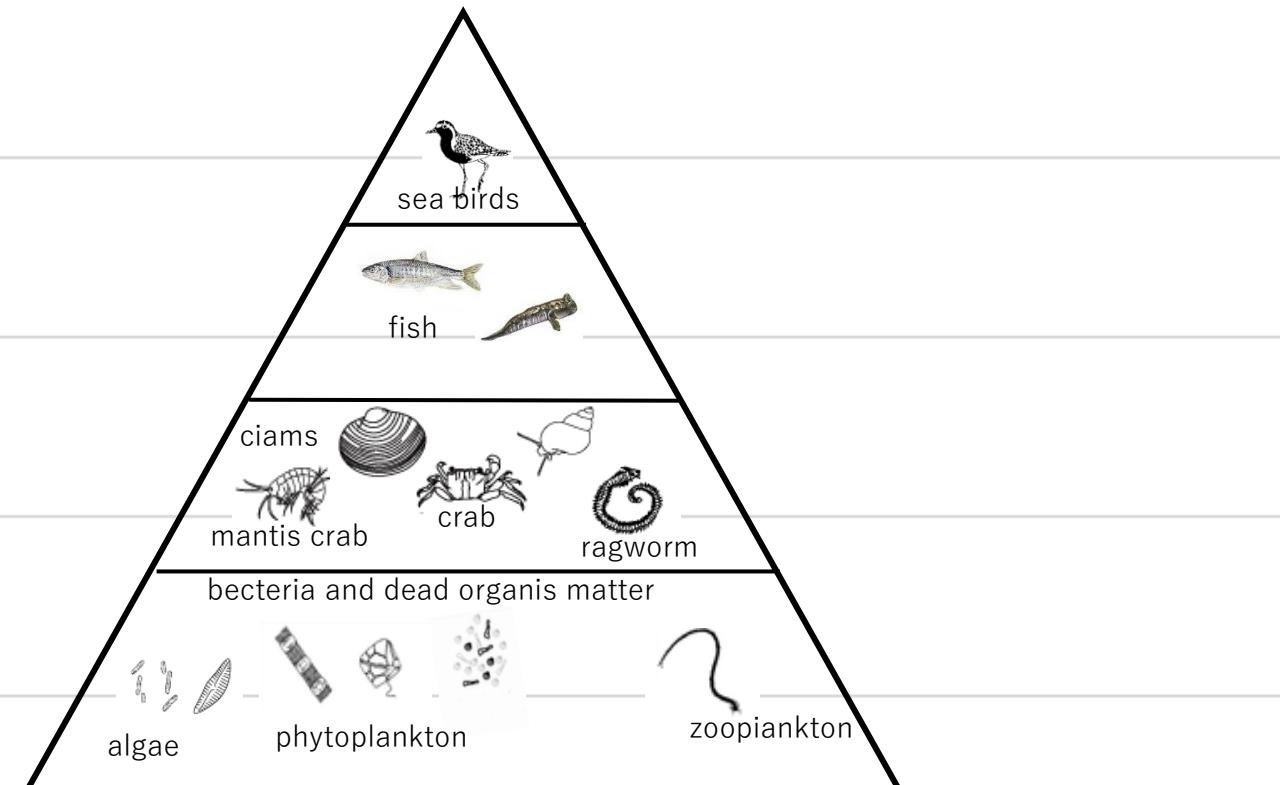
Rokkaku-gawa Kako

Onoshima

2015 winter

2016 spring

2016Autumn



## Tideland area

Nationwide 51,433 ha

Ariake sea 19,206 ha...

The wetlands of international

≒ 40 %

1,029ha  
≒ 5 %





Image Provider Yasuhiro Hashimoto • Yoshitaka Kato