

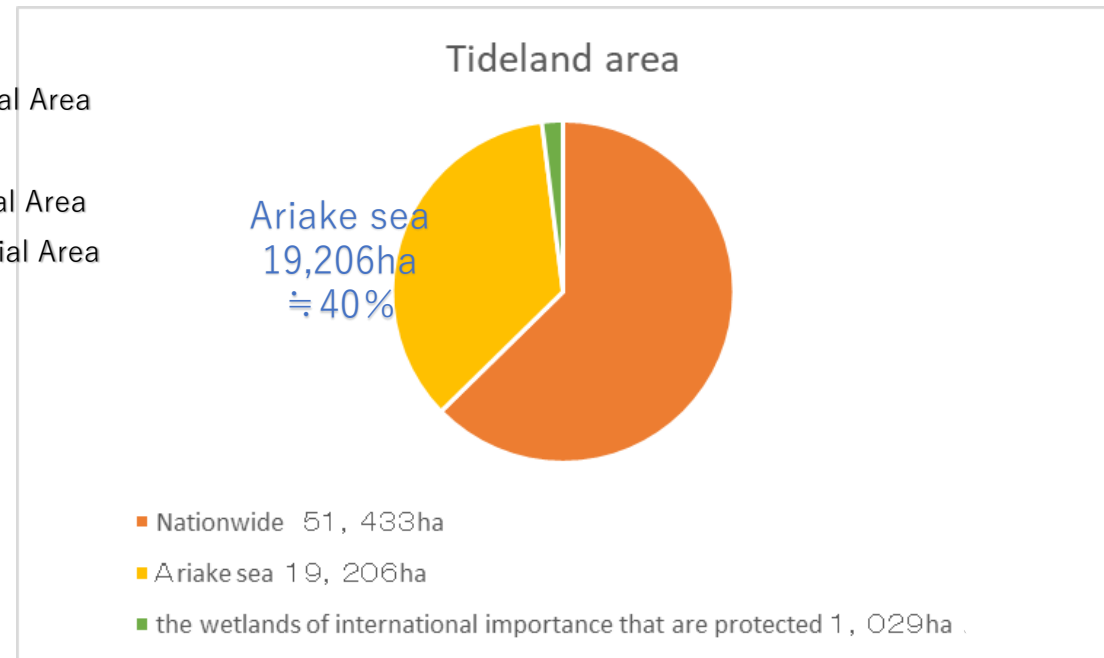
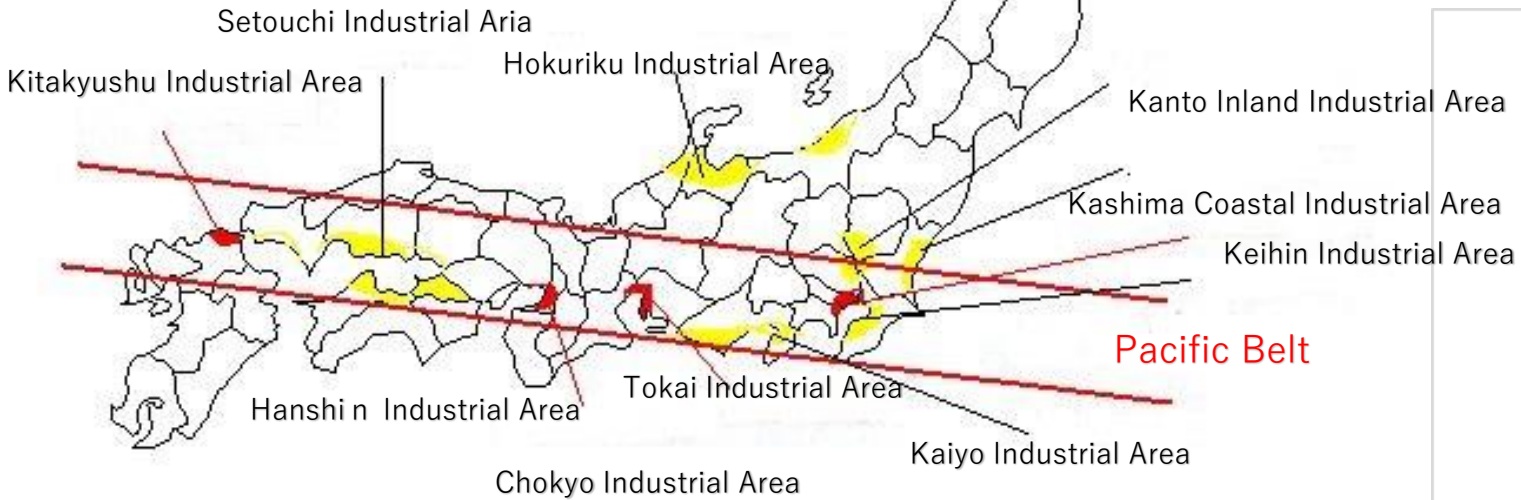
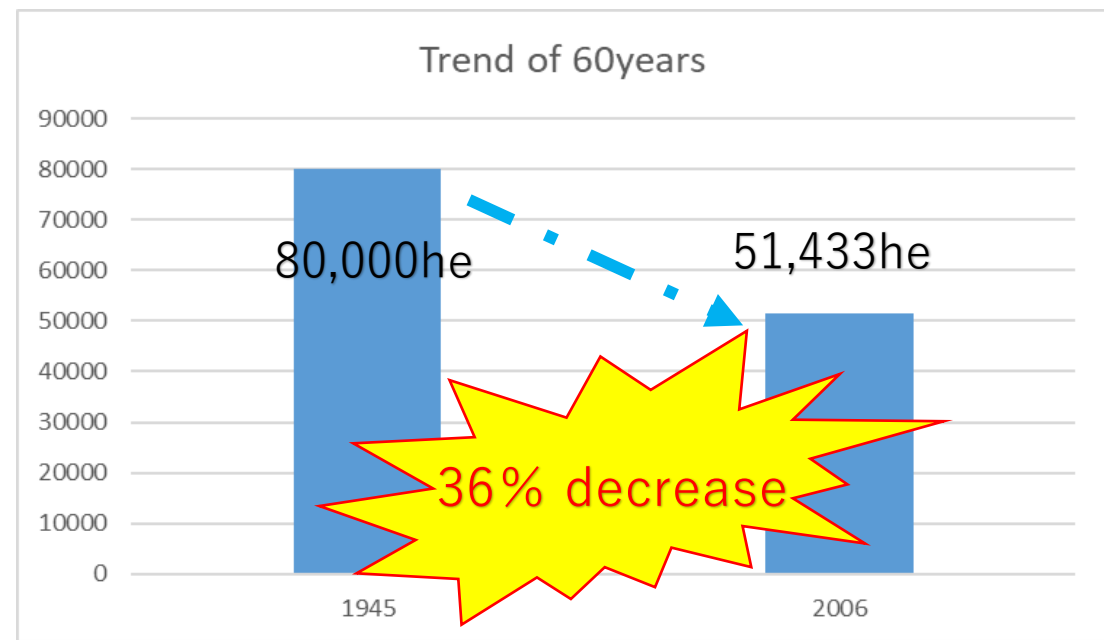


**Wild birds in Ariake sea**

**(past, present, and future)**

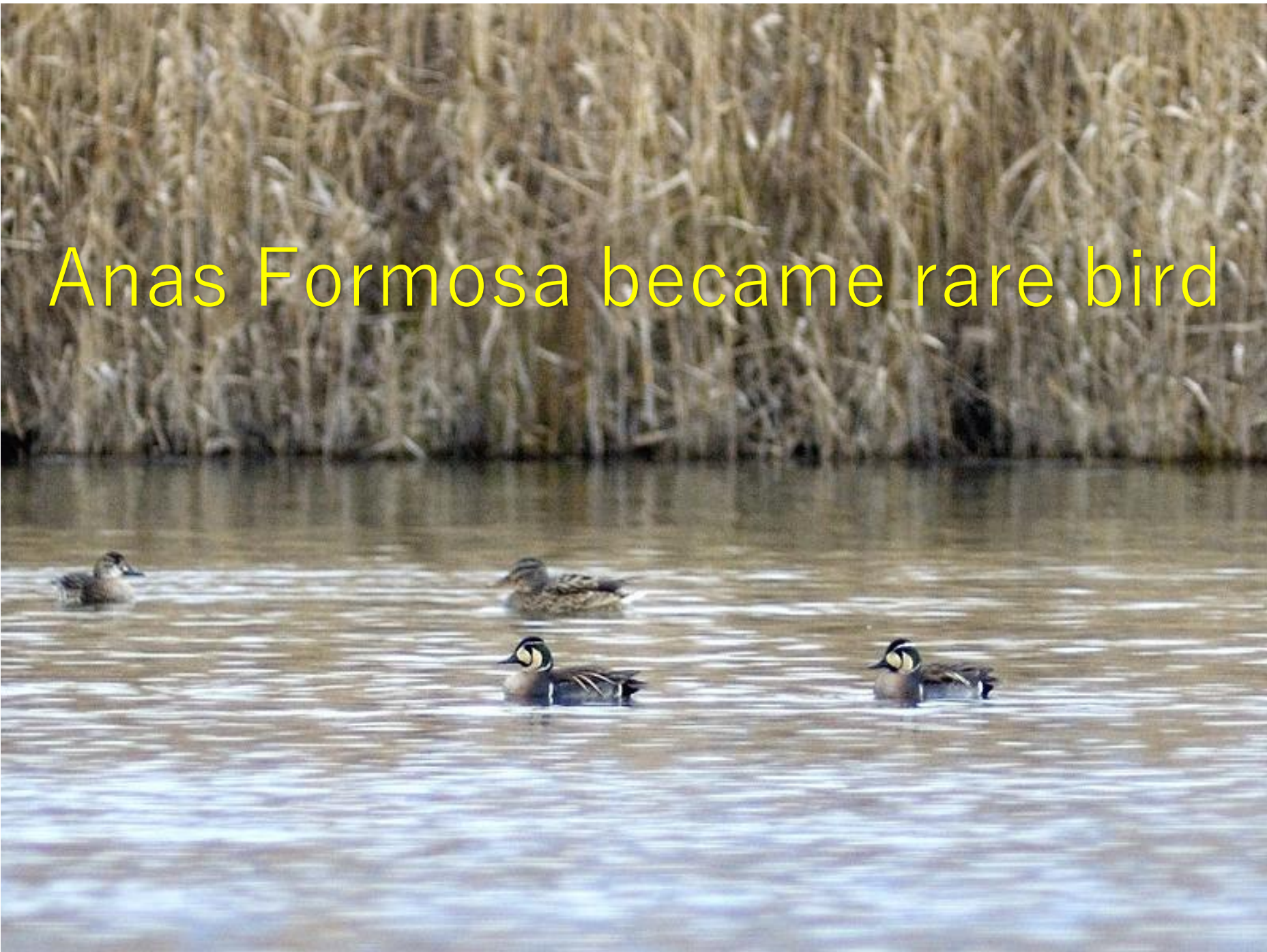
**Wild Bird Society of Japan Saga**

# Changes in the tide area



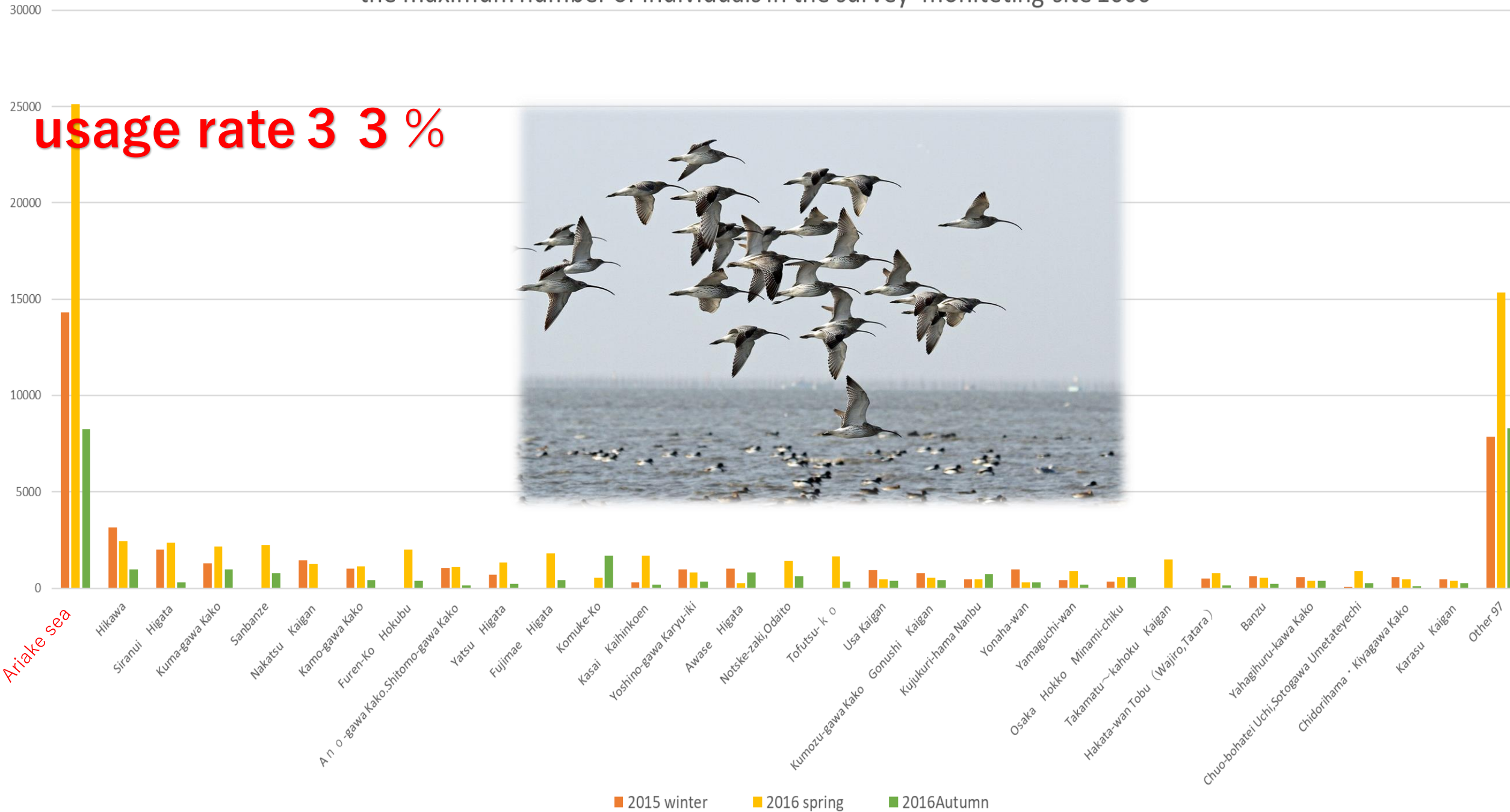


Anas Formosa became rare bird



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

usage rate 3 3 %



# monitoring-site 1000

Higasiyoka Kaigan

■ Main tidal flat

Hayatue -gawa kako

Onoshima

Ariakesea

Arao Higata

Rokkaku-gawa kako

Kasima Singomori Kaigan

Sirakawakako





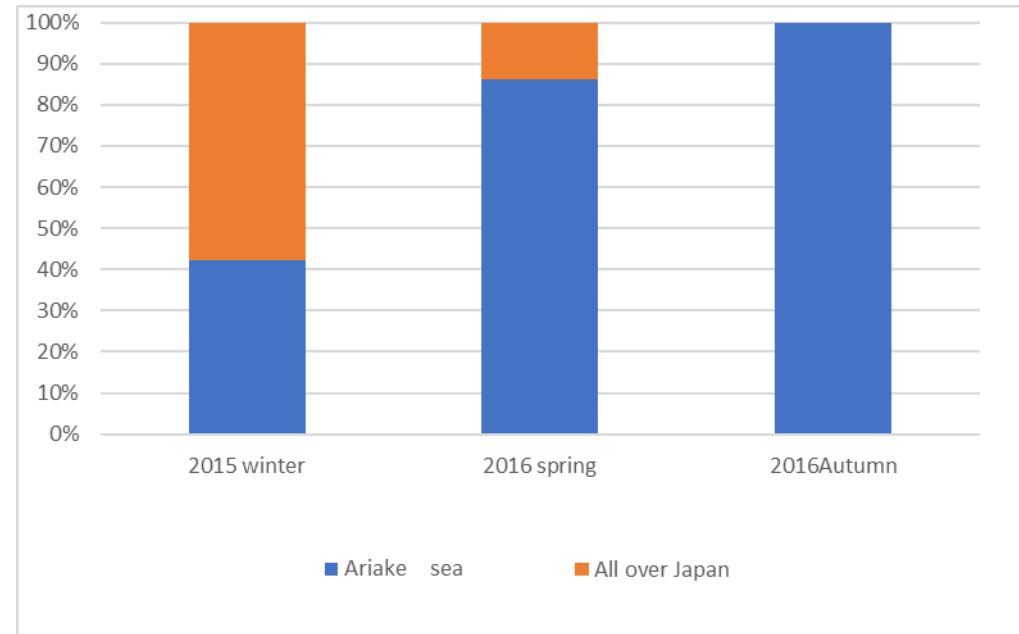
# Chroicocephalus saundersi



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



usage rate 45%

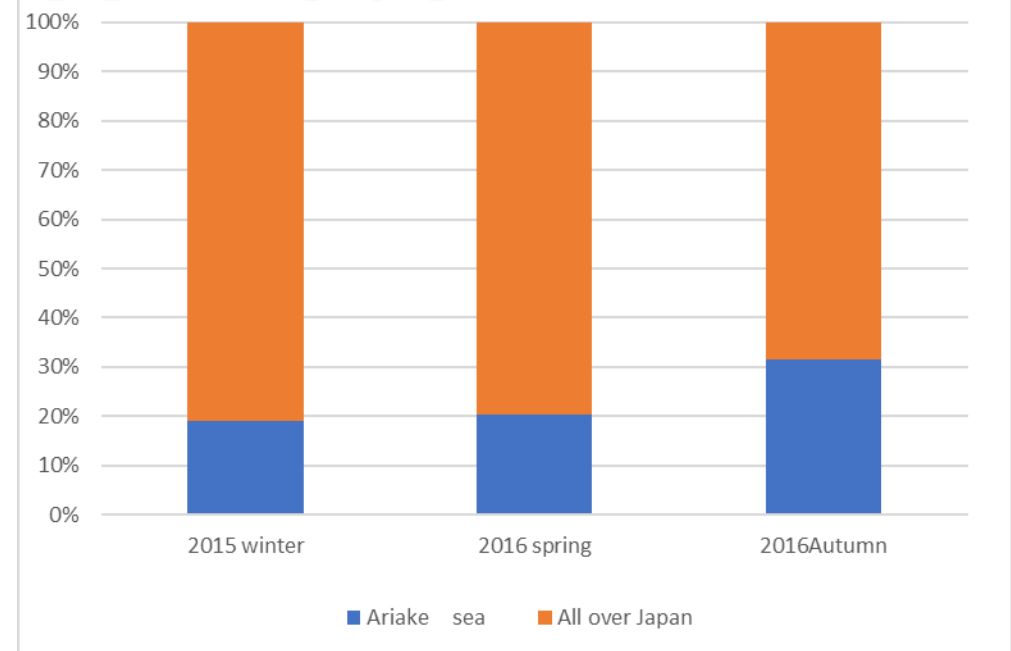


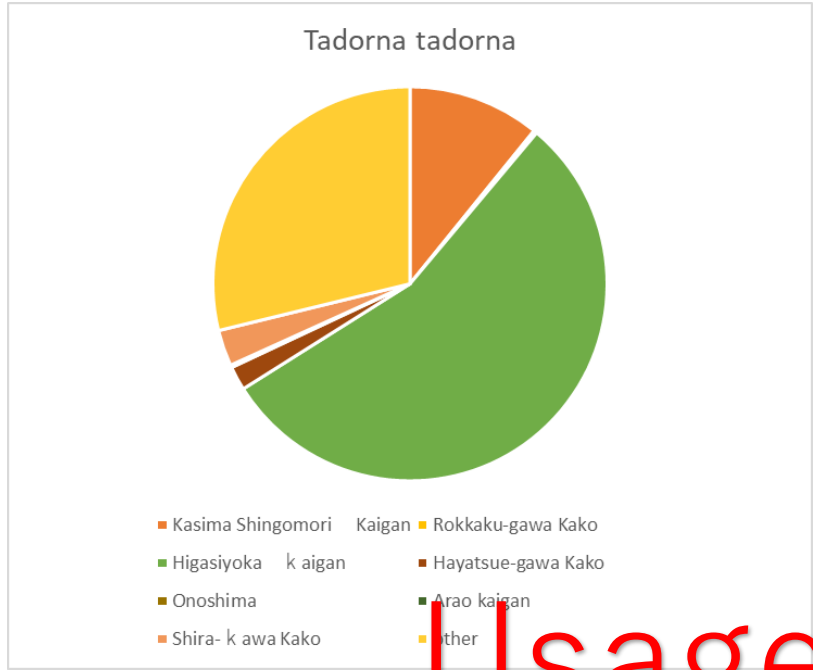
# Platalea minor



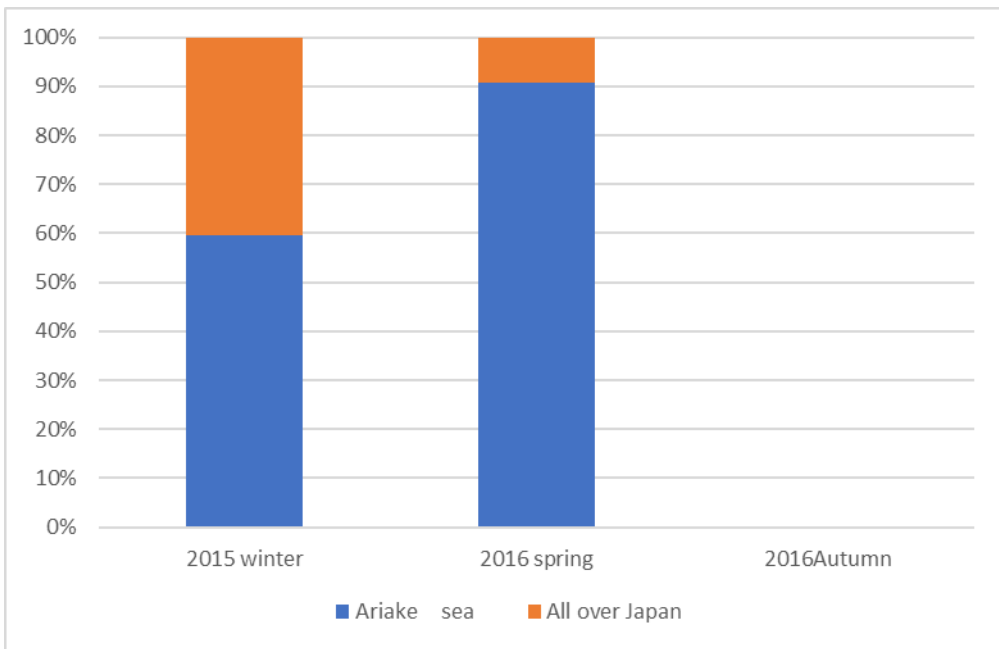
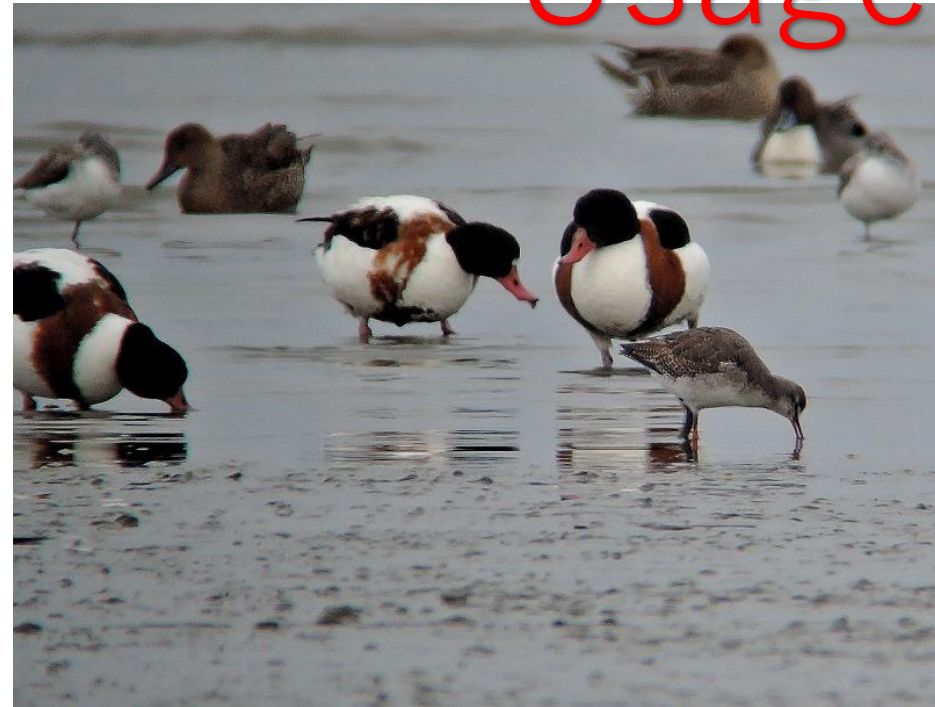
- Kasima Shingomori Kaigan
- Higasiyoka kaigan
- Onoshima
- Shira-kawa Kako
- Rokkaku-gawa Kako
- Hayatsue-gawa Kako
- Arao kaigan
- other

usage rate 20%



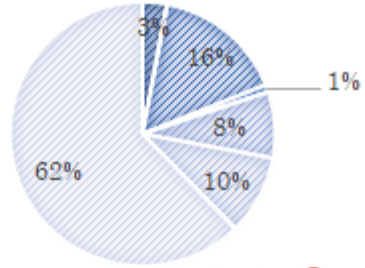


Usage rate 71%



## CALDRIS ALPINA

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



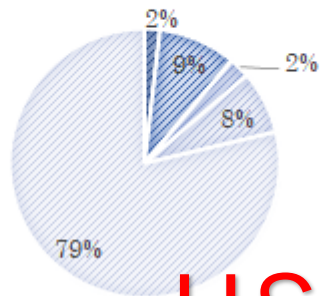
usage rate 38%



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%

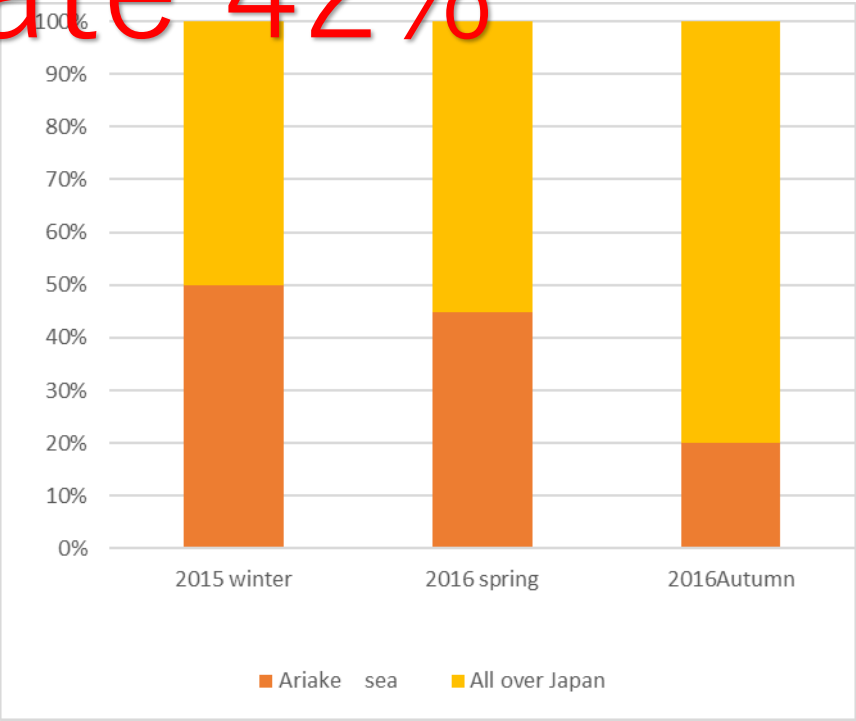


Numenius madagascariensis



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

usage rate 42%



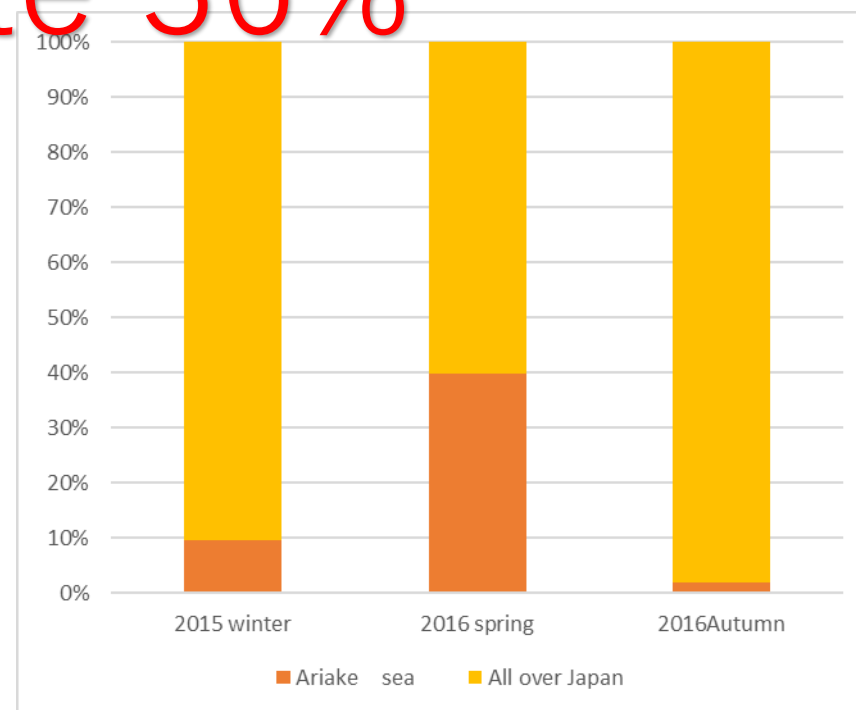
# Limosa lapponica



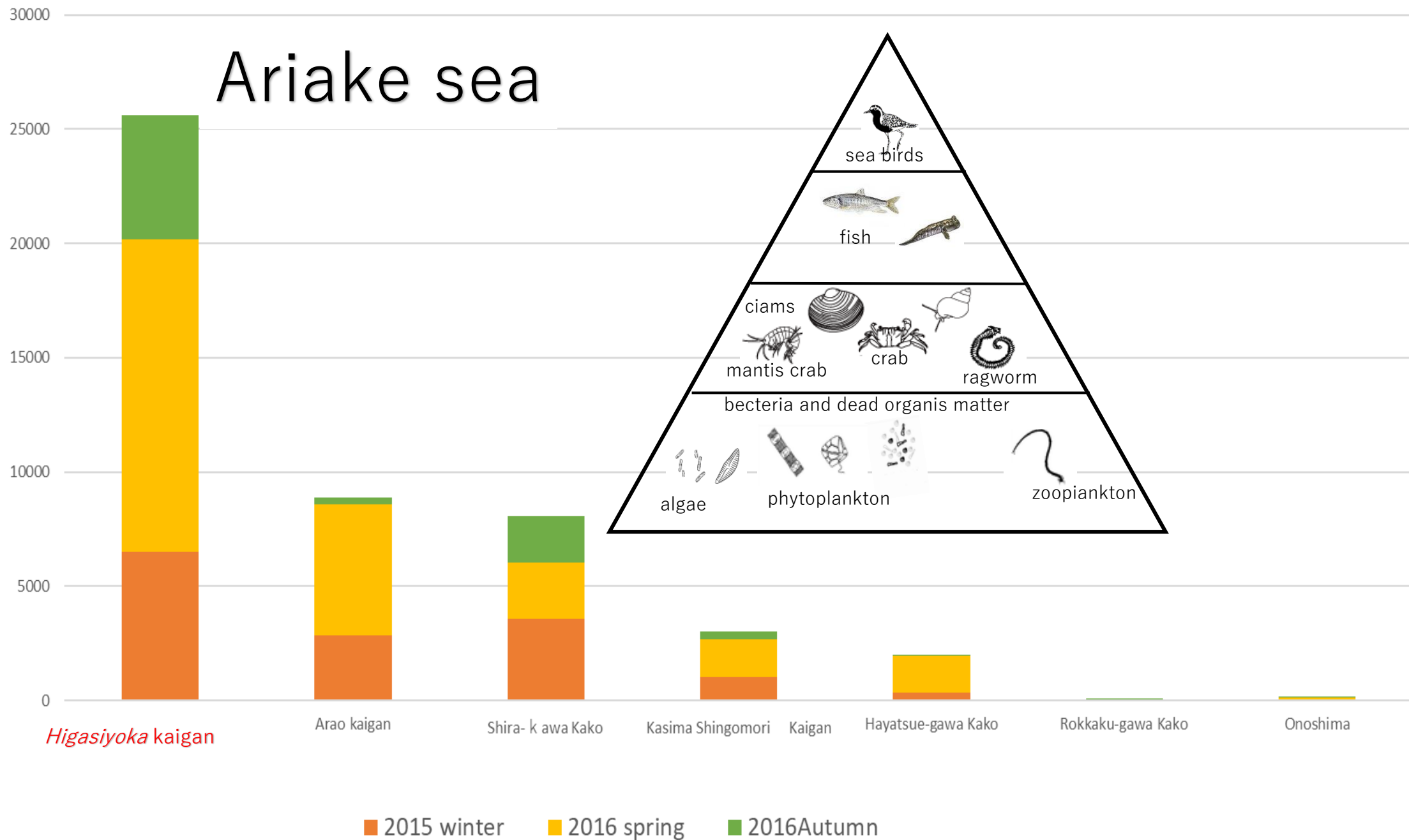
- Kasima Shingomori Kaigan
- Rokkaku-gawa Kako
- Higasiyoka kaigan
- Hayatsue-gawa Kako
- Onoshima
- Arao kaigan
- Shira-kawa Kako
- other



usage rate 36%



# Ariake sea



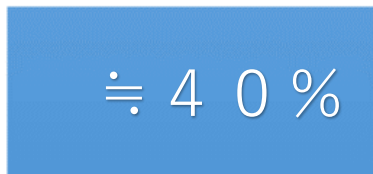
## Tideland area

Nationwide 51,433 ha



Ariake sea 19,206 ha...

≐ 40 %



The wetlands of international



1,029ha  
≐ 5 %





Image Provider Yasuhiro Hashimoto • Yoshitaka Kato