Seasonal migration routes of Sika deer and Importance of GPS data

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About Japan

- Population: 127 million
- Area: 37,790,000 ha
- Capital: Tokyo
About Hokkaido

Sapporo

- Yellow: Semi National Park
- Blue: National Park
**Blakiston’s fish owl**
- Endangered species
- Full length: 70cm
- Wing span: 190cm

**Steller’s sea eagle**
- Natural monument
- Full length: 100cm
- Wing span: 250cm

**Brown bear**
Research & Survey

Our Missions

Environmental Education

EnVision Conservation Office

Policy Advocacy

Data & Info. Sharing

International Cooperation
Sika deer (*Cervus Nippon*)

♂: 160cm 100kg

♂: 180cm 180kg

♂: 120cm 30kg
Population Change

Agriculture and Forestry damage costs (Billion of ¥)
Estimated number of deer (Million deer)
Number of captured deer (Million deer)

1 dollar = 110 yen
Factor of population change

- **Predator**
  Sika deer’s predator, wolf was extinct 100 years ago.

- **Hunter**
  Hunter’s population is tend to decreasing and aging.

- **Climate change**
  Recently, we have less much snow in winter.
  So that Sika deer doesn’t bother feeding and moving.
Influence By Population Change

Vegetation damage
- Eating rare species
- Eating specific species
- Feeding Pasture
- Eating Bark

Traffic accident

Biodiversity
- Wild life animals
- Farmer
- Forest Owner
GPS Collar

We can see data any time, if you can use internet.
Forest Area & Not Forest Area

Legend
- Forest Area
- Not Forest Area
- Wetland
- Water Area
1084 points are located in the Forest Density 100% area.
Importance Of GPS Data
Thank you.
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