

¿Qué es Motus y cuáles son sus aplicaciones?

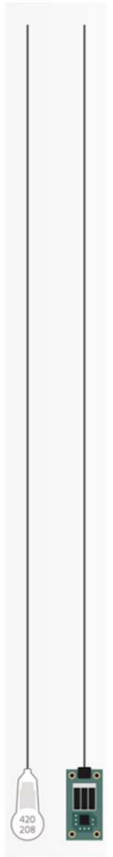
What is Motus and what are their applications?

www.pronatura-noroeste.org



¿Qué es y cómo funciona Motus?

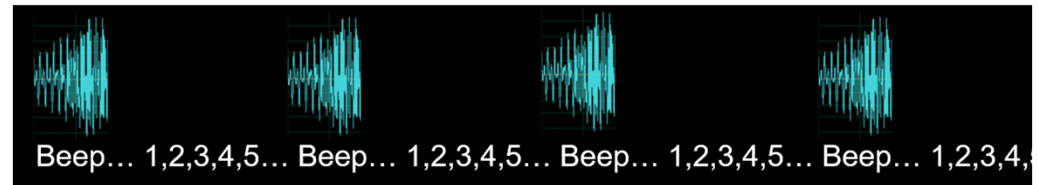
What is Motus and how does it work?



Radiotransmisores
Radiotransmitters

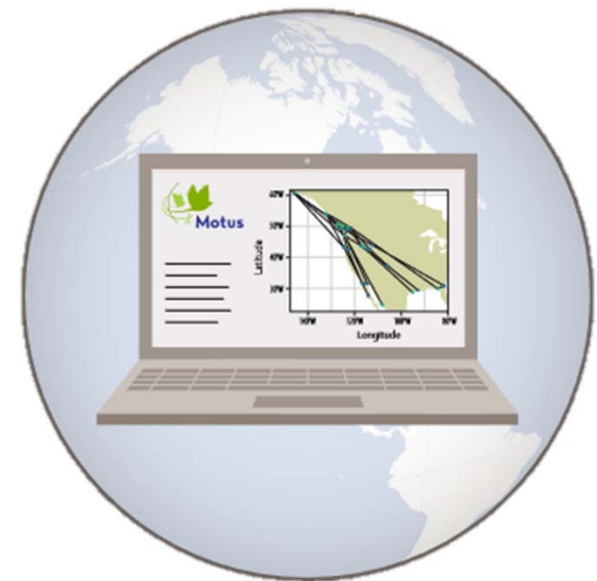
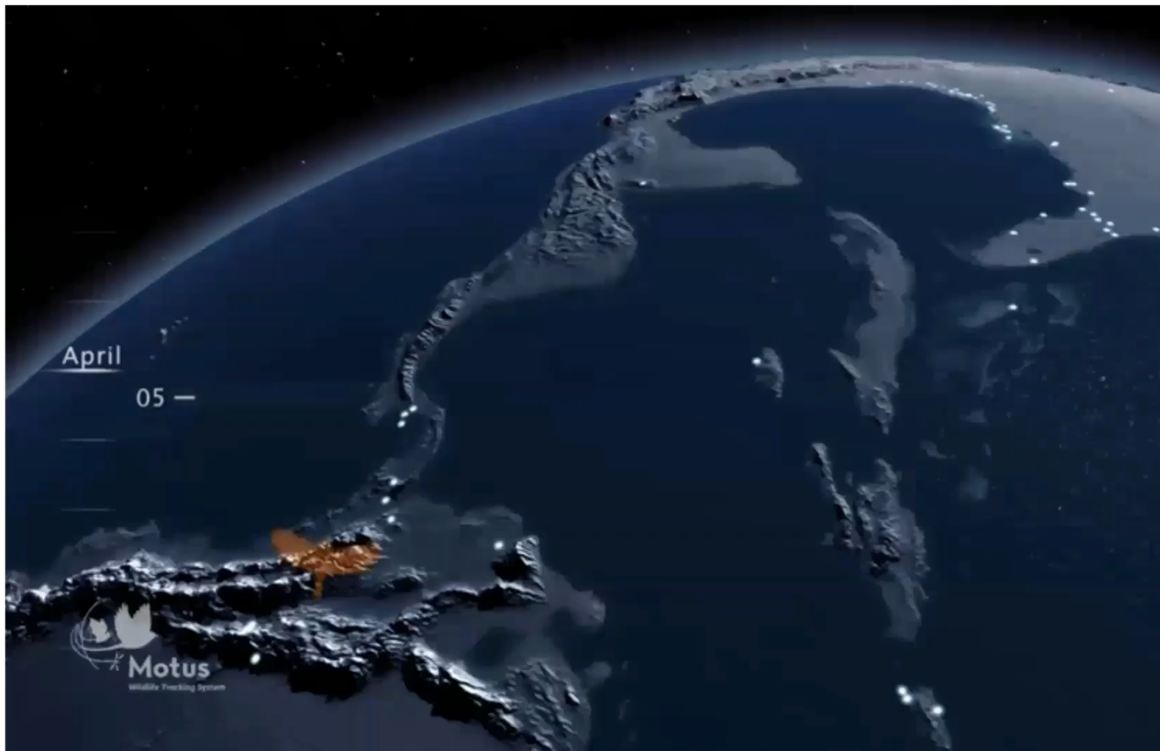


Marcando aves
Tagging birds



¿Qué es y cómo funciona Motus?

What is Motus and how does it work?



Una red colaborativa de estaciones para rastrear la vida silvestre a diferentes escalas.
A collaborative network of stations to track wildlife at different scales.

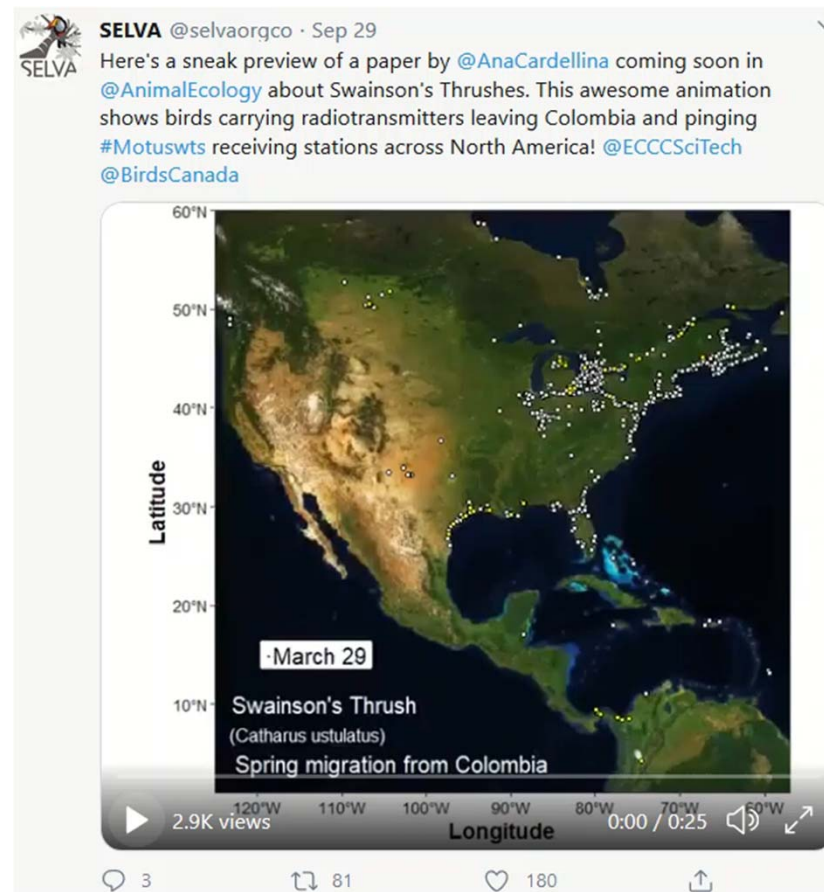
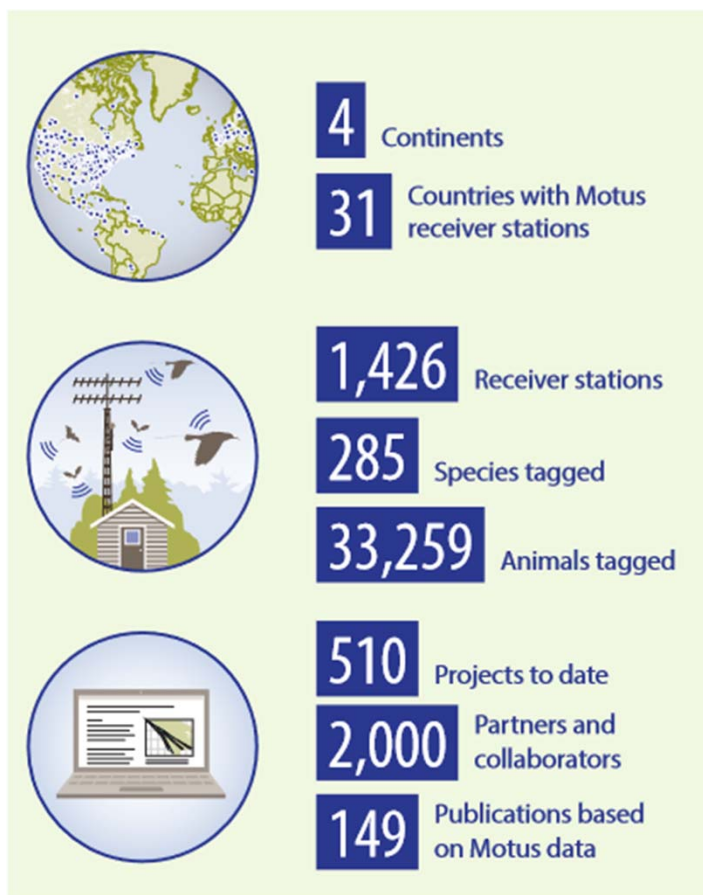
¿Como es diferente Motus de otras tecnologías? How is Motus different from other technologies



1 COLABORACIÓN COLLABORATION

THE DREAM

Have the hability to track wildlife collaboratively & answer questions at local, regional, and hemispheric scales to support conservation where and when it is most needed



¿Como es diferente Motus de otros transmisores?

How is Motus different from other transmitters



2

PESO
WEIGHT

MOTUS

Marcas
Brands



Lotek (166 mhz) CTT (434 mhz)

Vida útil
Lifespan



Solar Battery Hybrid

Peso
Lifespan

0.06 g to 1 g



Costos
Costs

\$200 - 250 USD

Otros Others

Types
Tipos

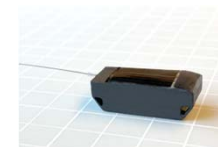
Satellite transmitters



GPS biologgers



GSM biologgers



Lightlevel geolocators (> 0.5 g)



Peso
Lifespan

> 2 g (few), > 4-5 majority

Costos
Costs

Most > 1,000 USD.

¿Como es diferente Motus de otros transmisores?

How is Motus different from other transmisores

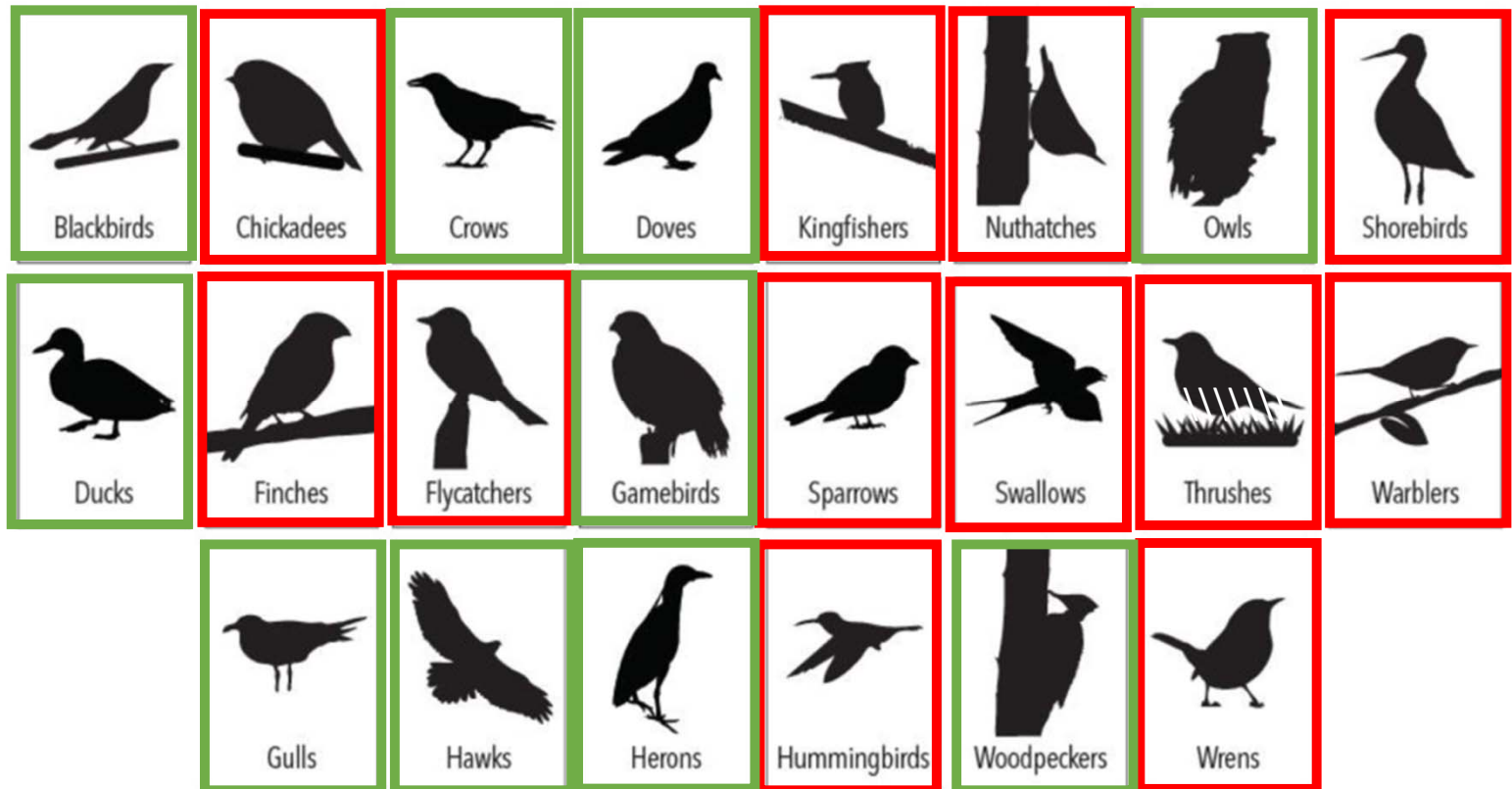
2

PESO
WEIGHT

**Aves compatibles
con:**

Transmisores
> 2 gr

Transmisores
< 2 gr



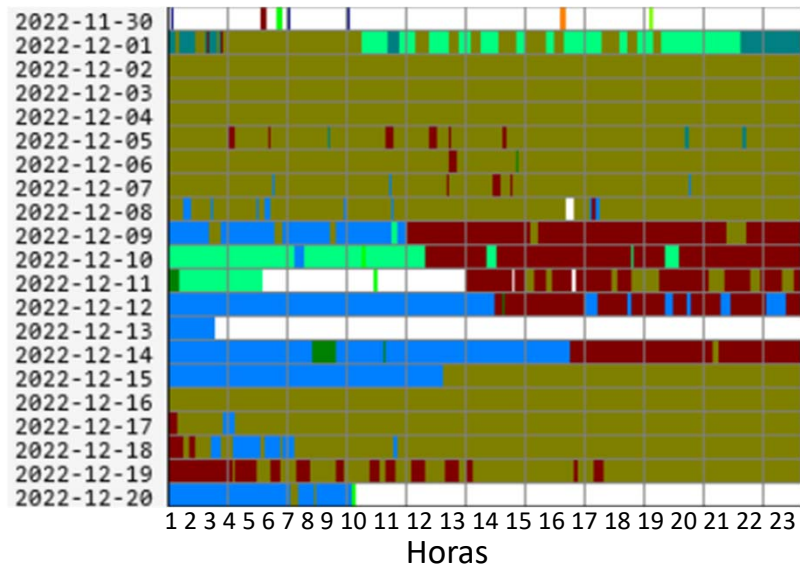
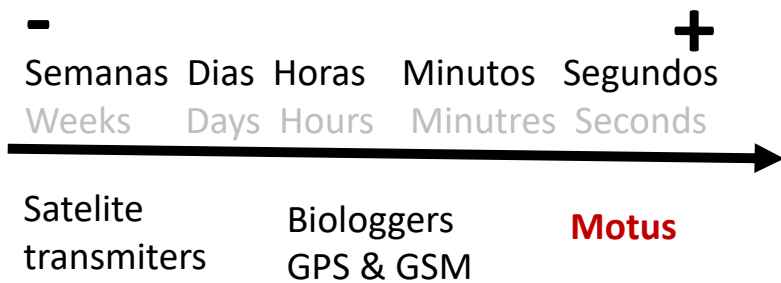
¿Como es diferente Motus de otras tecnologías?

How is Motus different from other technologies

3 RESOLUCION DE DATOS DATA RESOLUTION

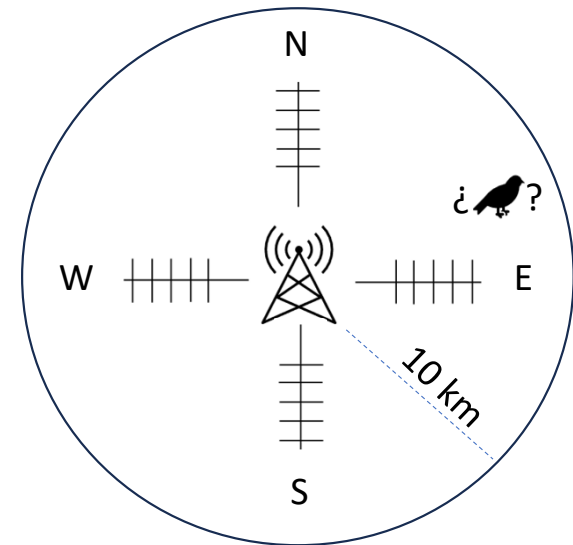
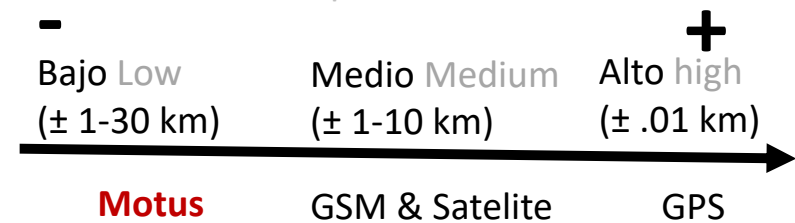
RESOLUCION TEMPORAL

Temporal resolution



RESOLUCION ESPACIAL

Spatial resolution



Entonces ¿cuanto cuesta? So how much does a station cost?



3

COSTOS
COSTS



BUENO, DEPENDE....

WELL IT DEPENDS....

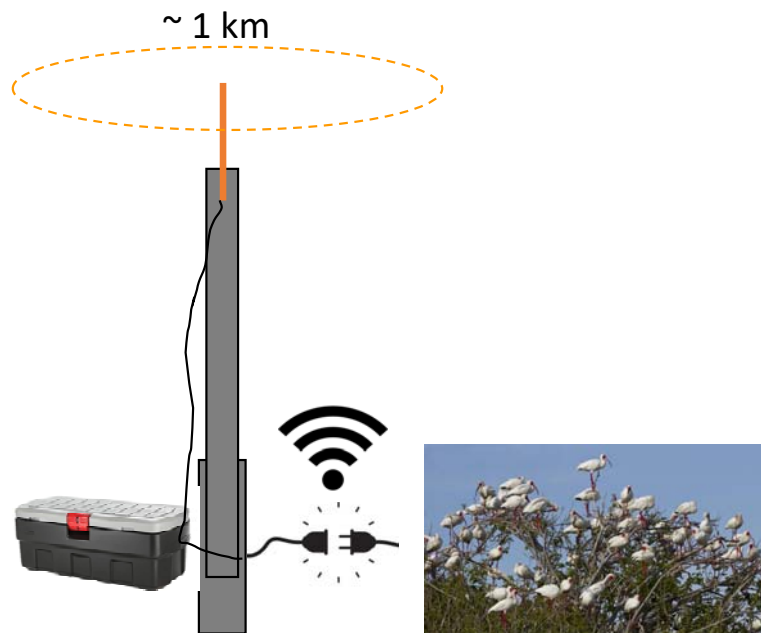
- Tipo de estación Type of station
- Objetivo del proyecto Station type and project goals
- Complejidad Complexity
- Necesidades del sitio Site needs
- ¿Consideras gastos de viaje, mantenimiento y salario?
Are you considering installation expenses, maintenance and salaries?

¿Canto cuesta? Situación hipotética

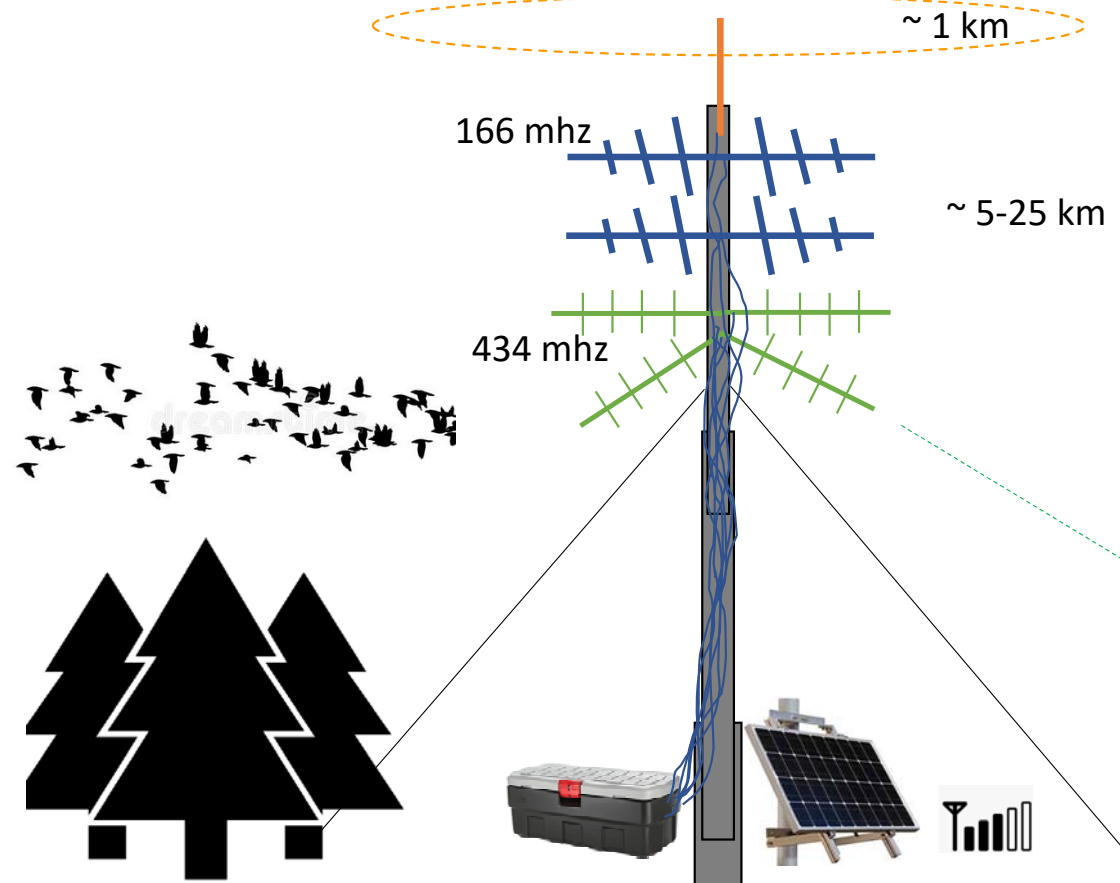
How much: hypothetical situation

~1,000-1,500 USD

- Una antena omnidireccional
- Wifi, electricidad disponible
- Altura no necesaria



~4-15 k USD



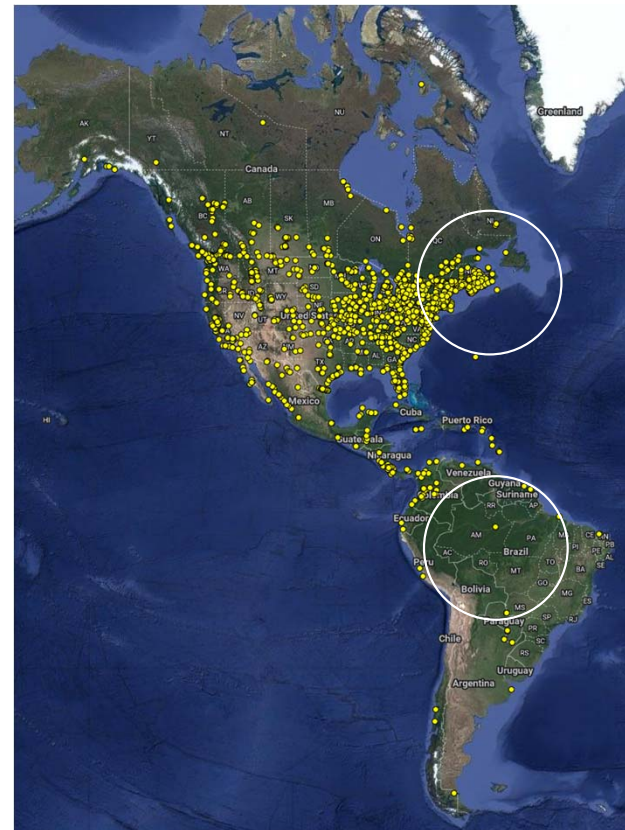
Condiciones optimas para el uso de Motus

The sweet spot of Motus

Animales migratorios pequeños (< 50g)
Small migratory animals (<50 g)



Suficientes estaciones en el área de interés.
Enough stations in area of interest



Recaptura del individuo impráctica
Recaptures of individual impractical

