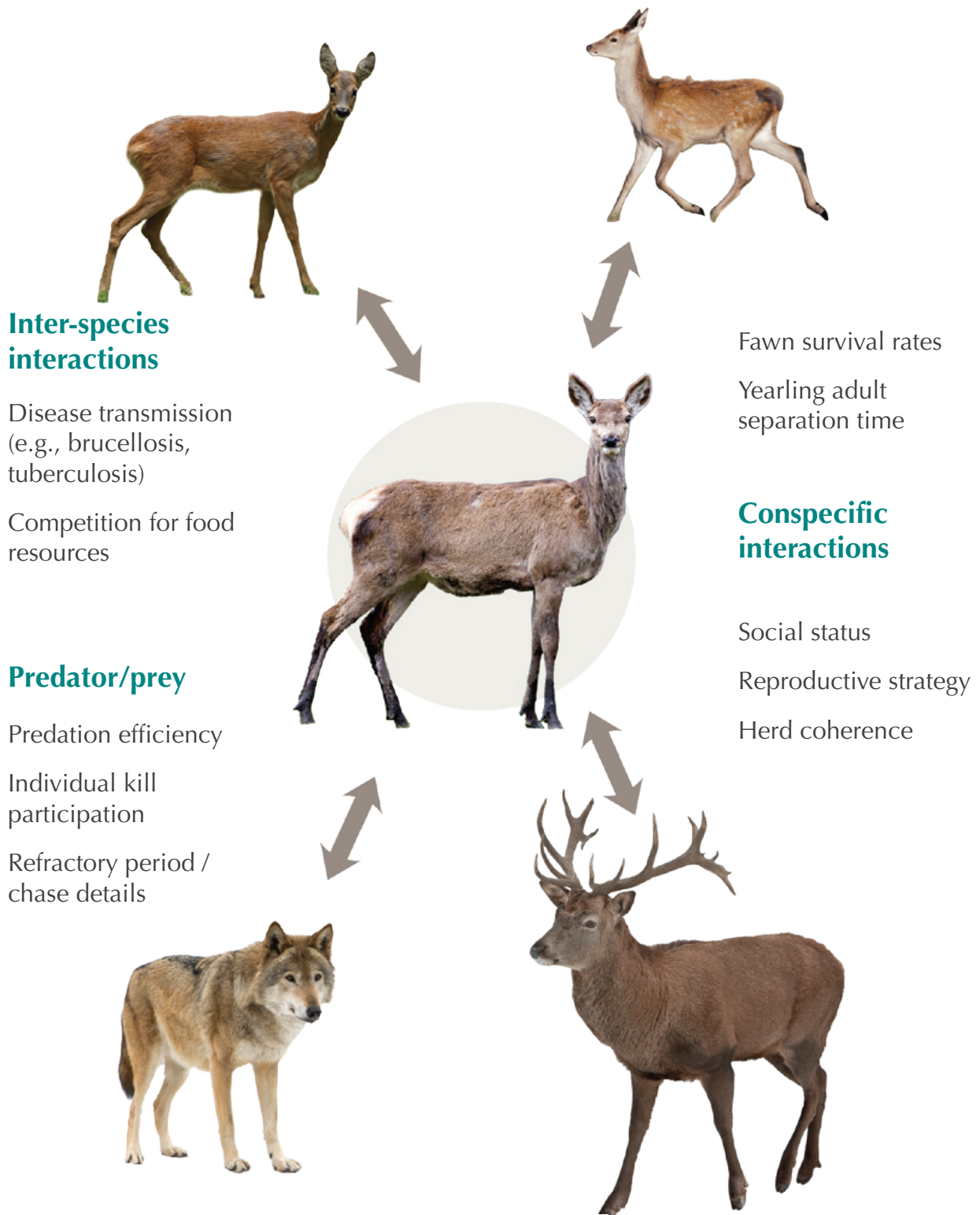


Interaction Studies with Lotek Proximity Sensors



LOTEK
WIRELESS
FISH & WILDLIFE MONITORING

Innovative solutions for a sustainable future.

- Receivers
- Dataloggers
- Radio transmitters

- Acoustic transmitters
- Archival tags
- GPS systems

- Hydrophones
- Wireless hydrophones
- Physiological transmitters

- Depth transmitters
- Accessories
- Consulting

Proximity Sensors

Your interaction study is performed using a two collar system: Master collars and 'Slave UHF Beacon' (SUB) collars.

Master Collar

Detects the presence or absence of SUB collars and relays this information to you remotely.



SUB Collars

When the SUBs are within short range of the GPS Master, the SUB IDs are recorded by the Master collar.



	IridiumTrackM	WildCellMG**	SUB
Collar weight	785g - 1650g	500g - 950g	150g - 420g
Battery Life	Contact Lotek to discuss scenarios and life estimates		1 - 3 years*
Features	Video Camera compatible ** Virtual Fence Temperature Mortality Advanced User Scheduler Drop off compatible UHF Communication modem Reinforced mechanical package		N/A
Remote Data Download	Iridium Google Earth interface and Web Service	GSM	N/A
Proximity Recording Interval	Minimum: Every 8 seconds Maximum: Every 34 minutes		
Proximity Detection Range	30 - 150 meters ***		
Proximity Detection Capacity	180 SUB IDs in view		
Proximity GPS Schedule	User programmable		N/A
Proximity Storage Capacity	1 year Every 3 minutes **** 3 years Every 9 minutes ****		N/A
Proximity Data	GPS time, proximity SUB ID and signal strength		
Proximity Sub ID	Up to 65000 SUB IDs		

* Battery life estimates may vary with the collar model, battery configuration, as well as operating conditions including ambient temperature, landscape, etc.

** Please contact Lotek for more information and availability

*** Approximate range, depending on SUB collar configuration, species, animal behavior, landscape, etc.

**** Based on 1 SUB ID being recorded at each recording interval.