Satellite Navigation for Animal Behaviour Analysis

Tamme van der Wal[1,*], Lucas Noldus [2]

[1] AeroVision, Bussummerstraat 3, 1411 PK Naarden; E-Mail: tamme.vanderwal@aerovision.nl
[2] Noldus IT, Nieuwe Kanaal 5, 6709 PA Wageningen; E-Mail: Lucas@Noldus.nl

* Author to whom correspondence should be addressed; E-Mail: tamme.vanderwal@aerovision.nl

Abstract: Existing radio tracking and satellite tracking technology suffers from limited temporal and spatial resolution: positioning data are too coarse to determine how animals behave relative to their environment and each other. In other words: one can measure where an animal approximately is, but not what it is doing. The E-Track project develops a system for measurement and analysis of movement, behaviour and interactions of wildlife. The system will consist of EGNOS-enabled GNSS receivers, efficient data communication and an innovative software application. The presentation will report on the requirements from nature management and ecologists towards GNSS based animal tags. It will also report the state-of-the-art in animal GNSS tracking. The project started in Jan 2012.

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