

Jan-Kees Schakel



- Expert operationele (informatie) coördinatie in tijdkritische omstandigheden
- Achtergrond
 - PhD UvA, faculteit Economie en Bedrijfskunde
 - MSc UvA, faculteit der Natuurwetenschappen, Wiskunde en Informatica
 - MSc Larenstein, Land, Water en Milieubeheer
- Ervaring
 - Sensing Clues: technologie-ontwikkeling voor de bescherming van wildlife
 - Politie: innovatie & onderzoek mbt technologie & realtime intelligence
 - DHV: adviseur natural resources icm GIS / MIS / DSS



Photo:Yathin S Krishnappa.
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Photo:Yathin S Krishnappa. creative Commons Wikimedia



Photo: WildlifeWorks



Photo: Willem van Strien. Edited by J.K. Schakel. @Creative Commons Wikimedia

HIGH PROFITS, LOW RISK!

The Problem

- species driven to extinction
- organized crime
- local economies at risk
- tourist sectors at risk

Difficult to tackle

- extensive areas
- few boots on the ground
- adaptive opponents
- poor infrastructure



Intelligence signals



**knowledge
models**



**sensors
(IoT)**

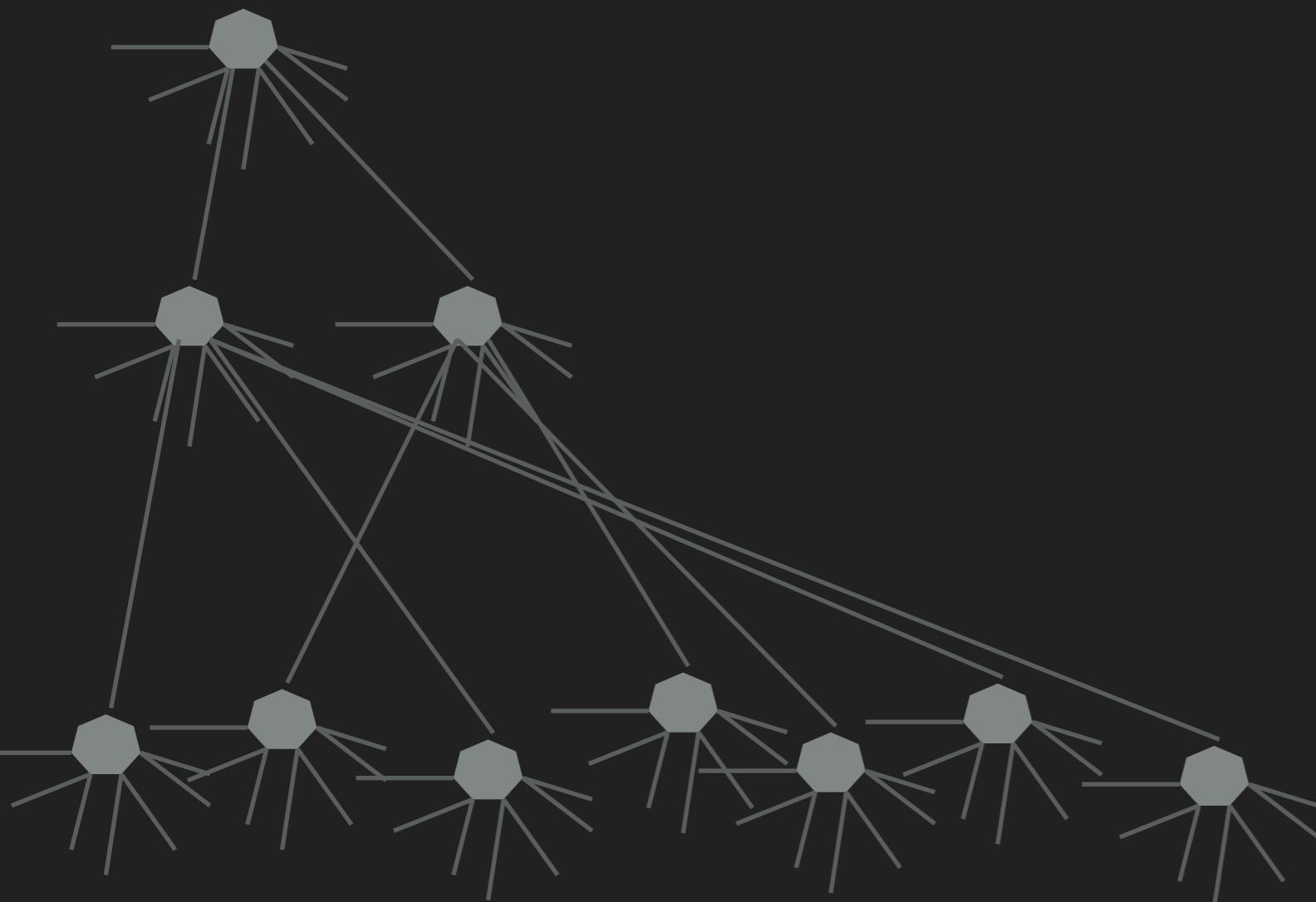


quick response



assessment

social intelligence



a few orchestrators

dozens of facilitators

thousands of poachers

poachers at work...



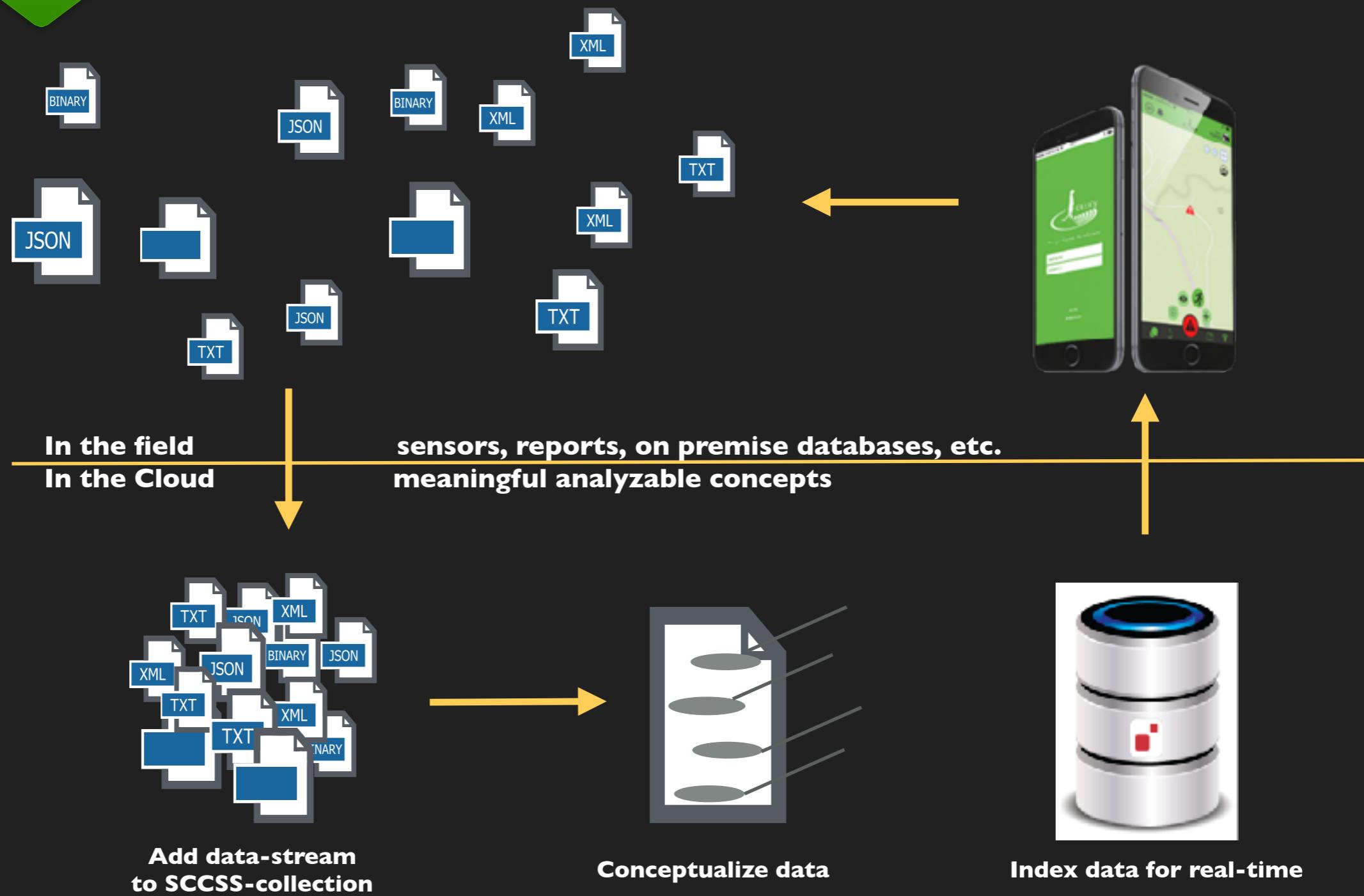
area entry > searching target > tracking > **the kill** > securing trophies > escaping > area exit



protectors at work...



SISAR





Trespasser



Photos: J.K. Schakel.



Dangerous Roads



Human-Wildlife Conflict



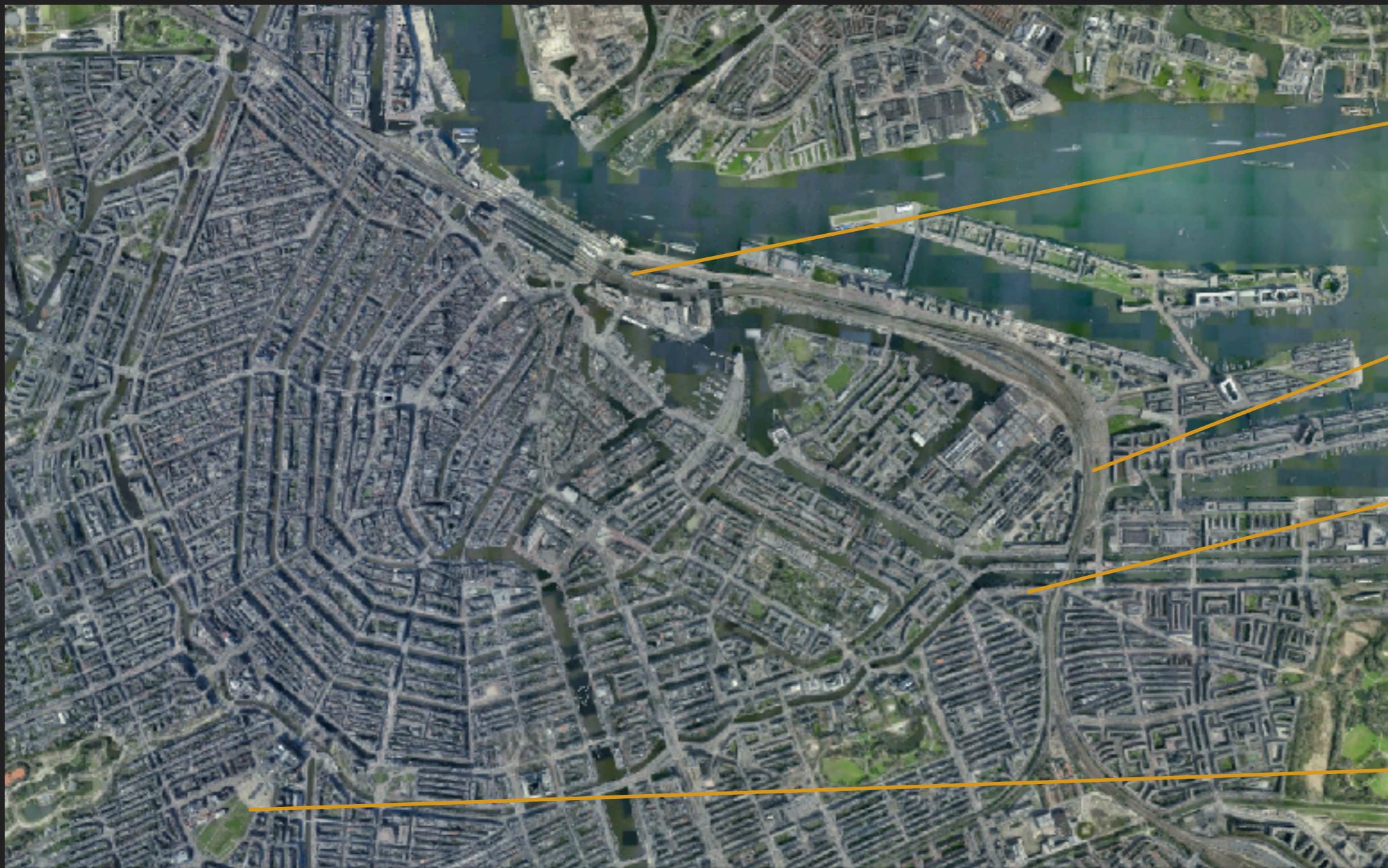
Bardiya National Park, Nepal, November 2016

Latest achievement: SERVAL



<https://www.youtube.com/watch?v=69AvxTBWIRE>

Soundscape the City



Join us to
turn wild spaces into safe havens!



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