ARDB
African Raptor DataBank

Eckerstrom Consulting

THE PEREGRINE FUND
Conserving Birds of Prey Worldwide

habitat INFO

RAPTORS MOU

HAWK MOUNTAIN

African Raptor Databank Developments

Trondheim 6 October 2015

RAG Davies

50th Anniversary 1960-2010 Percy FitzPatrick Institute

UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

WABDaB.org
:: West African Bird DataBase ::

ENDANGERED WILDLIFE TRUST
BIRDS OF PREY PROGRAMME
conservation in action

جمعية أحباء الطيور
Association "Les Amis des Oiseaux"

esri

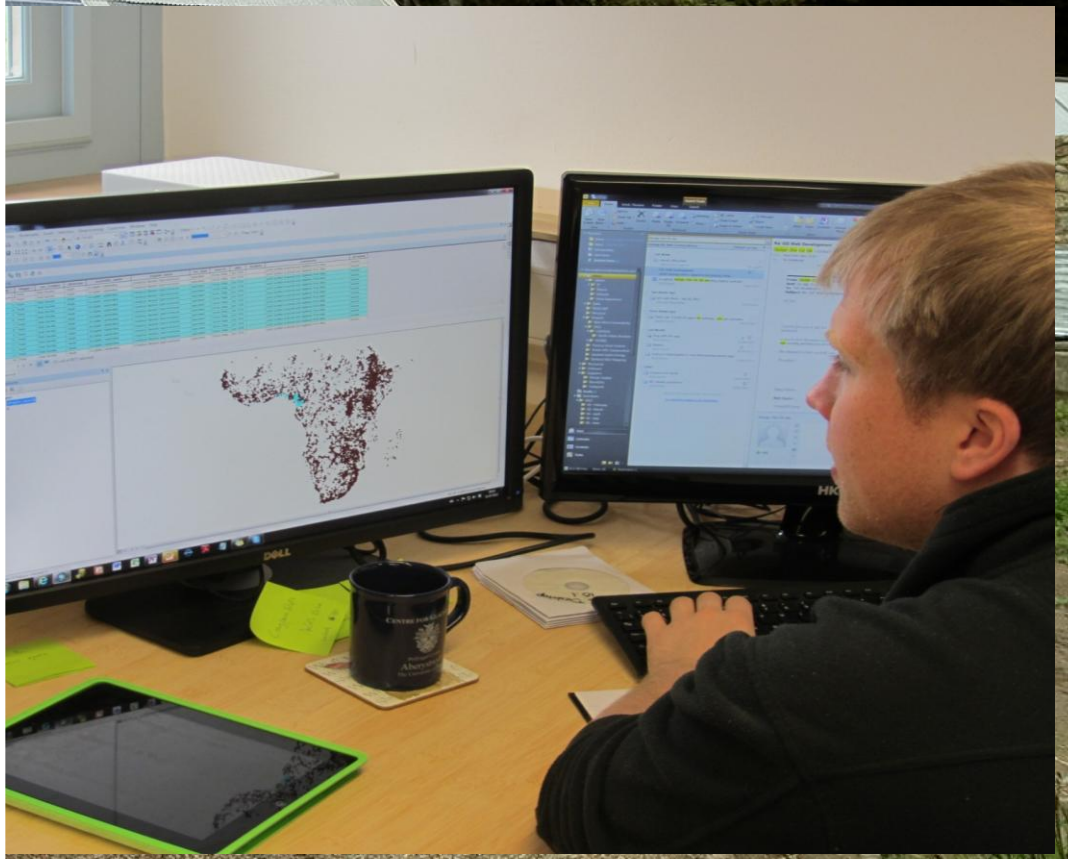
UNEP

WCMC

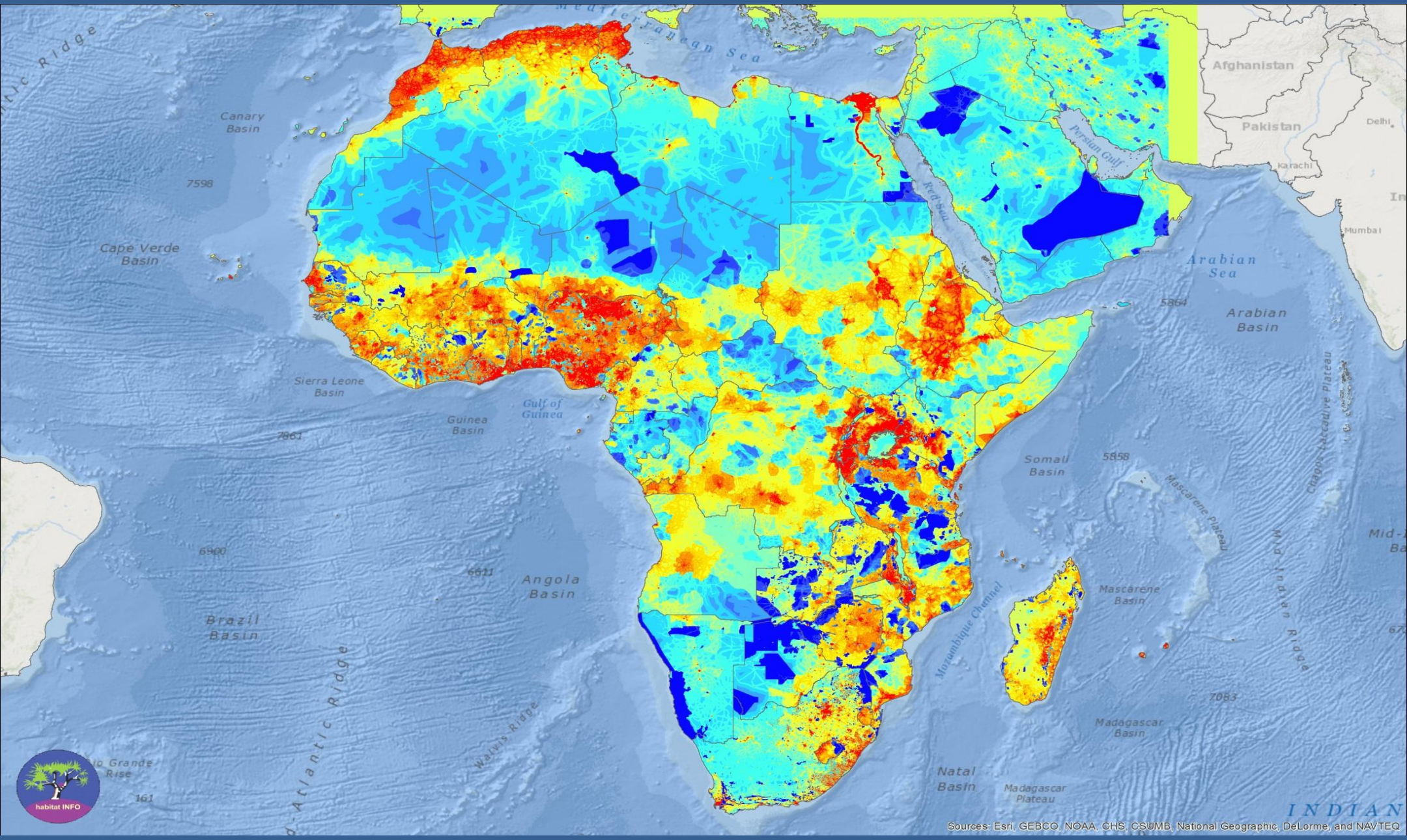
TANZANIA BIRD ATLAS

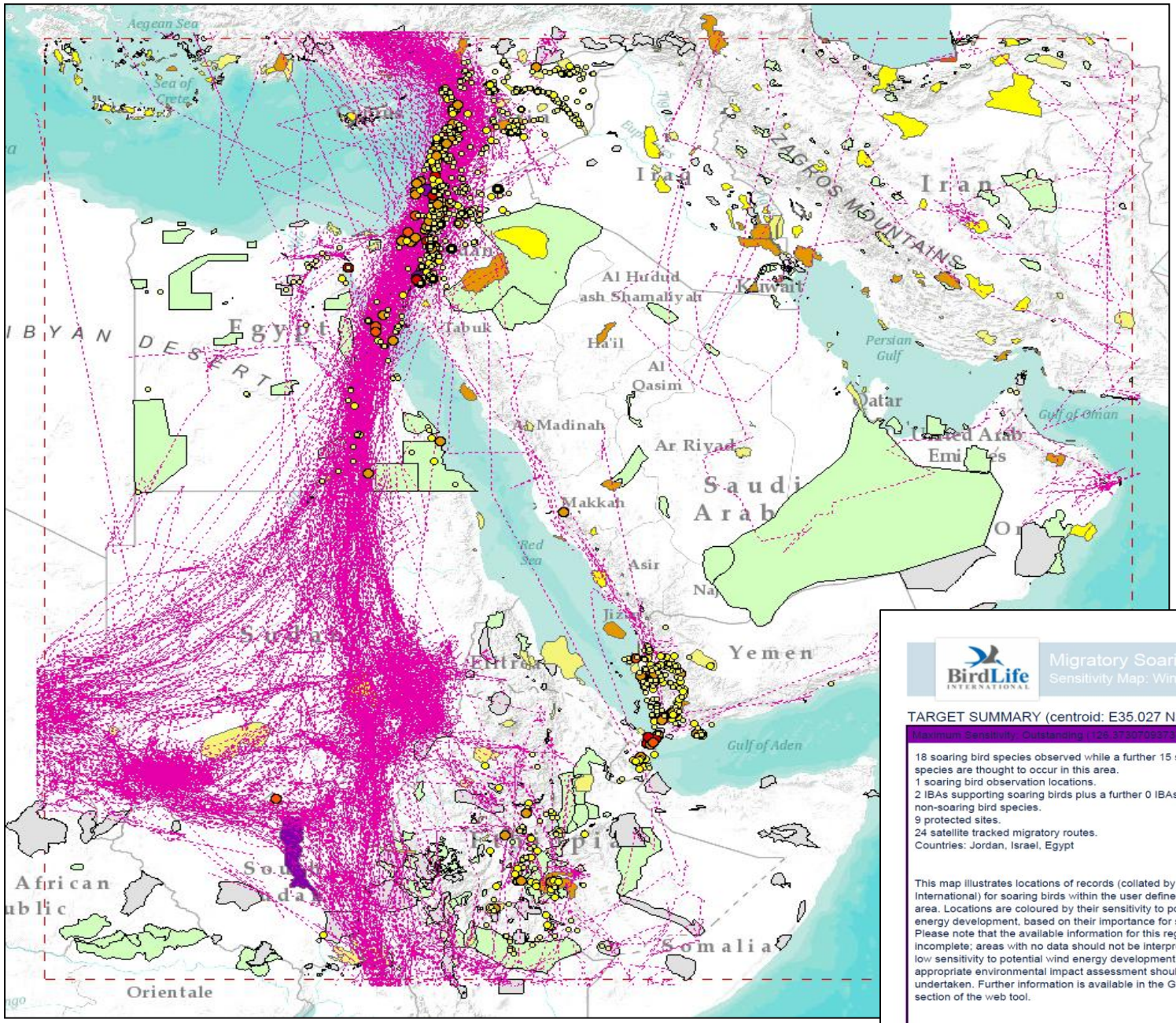
habitat INFO

habitat INFO



Africa Wide Datasets





- [x] Soaring bird observation locations
  - Very Low Sensitivity
  - Low Sensitivity
  - Medium Sensitivity
  - High Sensitivity
  - Very High Sensitivity
  - Outstanding Sensitivity
- [x] Soaring bird satellite tracks
- [x] Important Bird Areas supporting soaring birds
  - Very Low Sensitivity
  - Low Sensitivity
  - Medium Sensitivity
  - High Sensitivity
  - Very High Sensitivity
  - Outstanding Sensitivity
- [x] Important Bird Areas for non-soaring bird species
- [x] WDPA Protected Areas
- [x] Project Area

habitat INFO

BirdLife INTERNATIONAL

BirdLife INTERNATIONAL

Migratory Soaring Birds
Sensitivity Map: Wind Energy

Elat Mountains Region

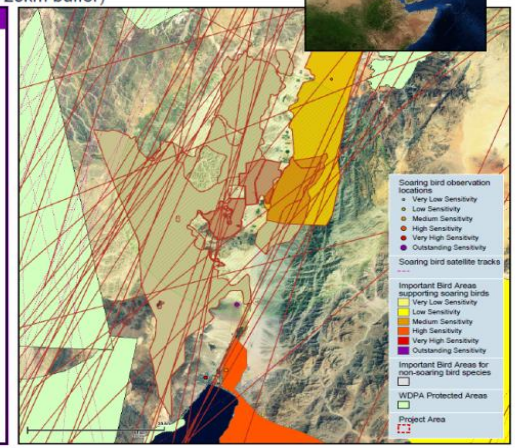
TARGET SUMMARY (centroid: E35.027 N29.831 with 20km buffer)

Maximum Sensitivity: Outstanding (126.373070937377763)

18 soaring bird species observed while a further 15 soaring bird species are thought to occur in this area.
1 soaring bird observation locations.
2 IBAs supporting soaring birds plus a further 0 IBAs for non-soaring bird species.
9 protected sites.
24 satellite tracked migratory routes.
Countries: Jordan, Israel, Egypt

This map illustrates locations of records (collated by BirdLife International) for soaring birds within the user defined search area. Locations are coloured by their sensitivity to potential wind energy development, based on their importance for soaring birds. Please note that the available information for this region is incomplete; areas with no data should not be interpreted to be of low sensitivity to potential wind energy development. An appropriate environmental impact assessment should always be undertaken. Further information is available in the Guidance section of the web tool.

Explanation of terms:
Further explanation of all the information provided is available in the methods section of the MSB web tool



1. threatened
2. ecological role
3. low density
4. noticeable
5. regular density
6. popular
7. indicators

An abundance and diversity of raptors invariably signals a largely undisturbed ecosystem supporting an abundance of other wildlife
Ian Newton

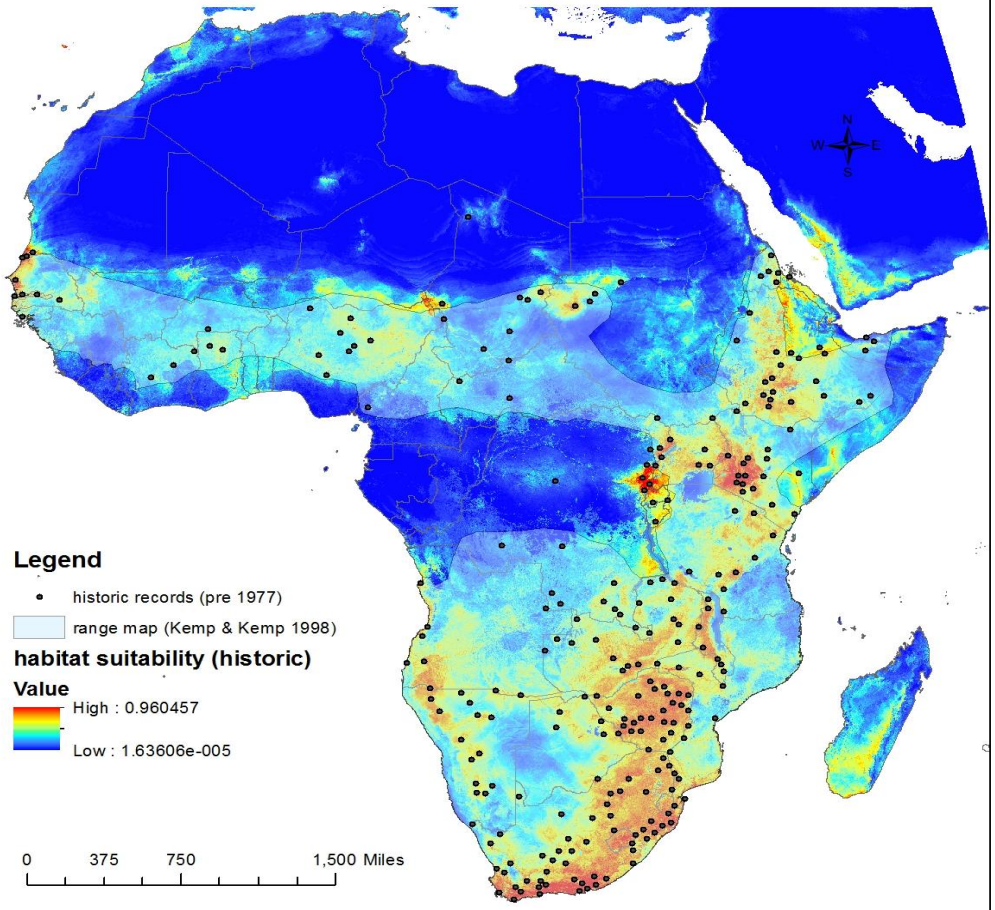
Martial Eagle in Kruger Park
courtesy of Johann Knobel: Eagles of Africa

ARDB

1. establish a secure communal store for observations
2. provide a live data observatory to monitor status & threats
3. identify, measure and model habitats (with forecasts)
4. monitor seasonal movements and threats to migrants
5. identify key transboundary habitat strongholds for wildlife
6. help build a community of raptor experts across Africa

Martial Eagle Historic Distribution

African Raptor Databank holdings as of 19 February 2015



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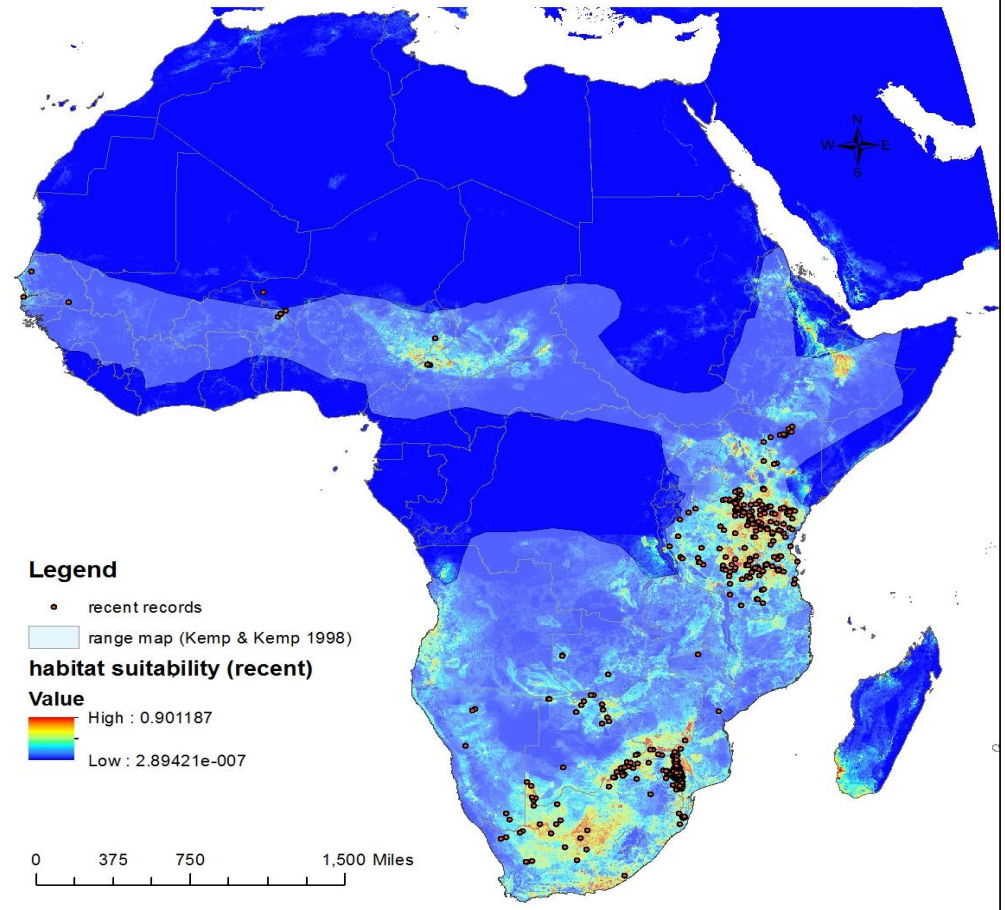
Martial Eagle Current Distribution

African Raptor Databank holdings as of 19 February 2015



ARDB African Raptor DataBank

habitat INFO

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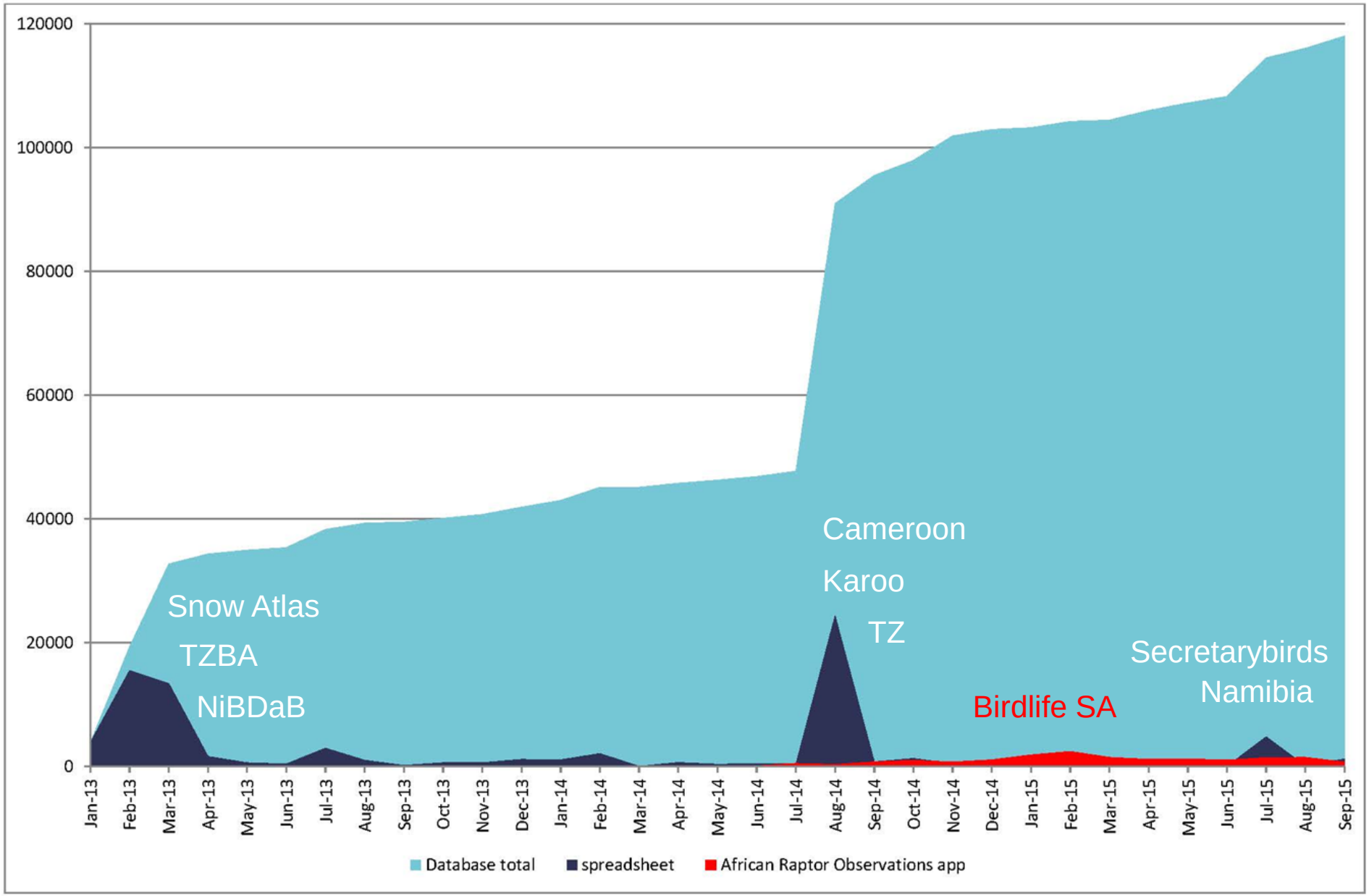
120000
100000
80000
60000
40000
20000
0
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
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Feb-14
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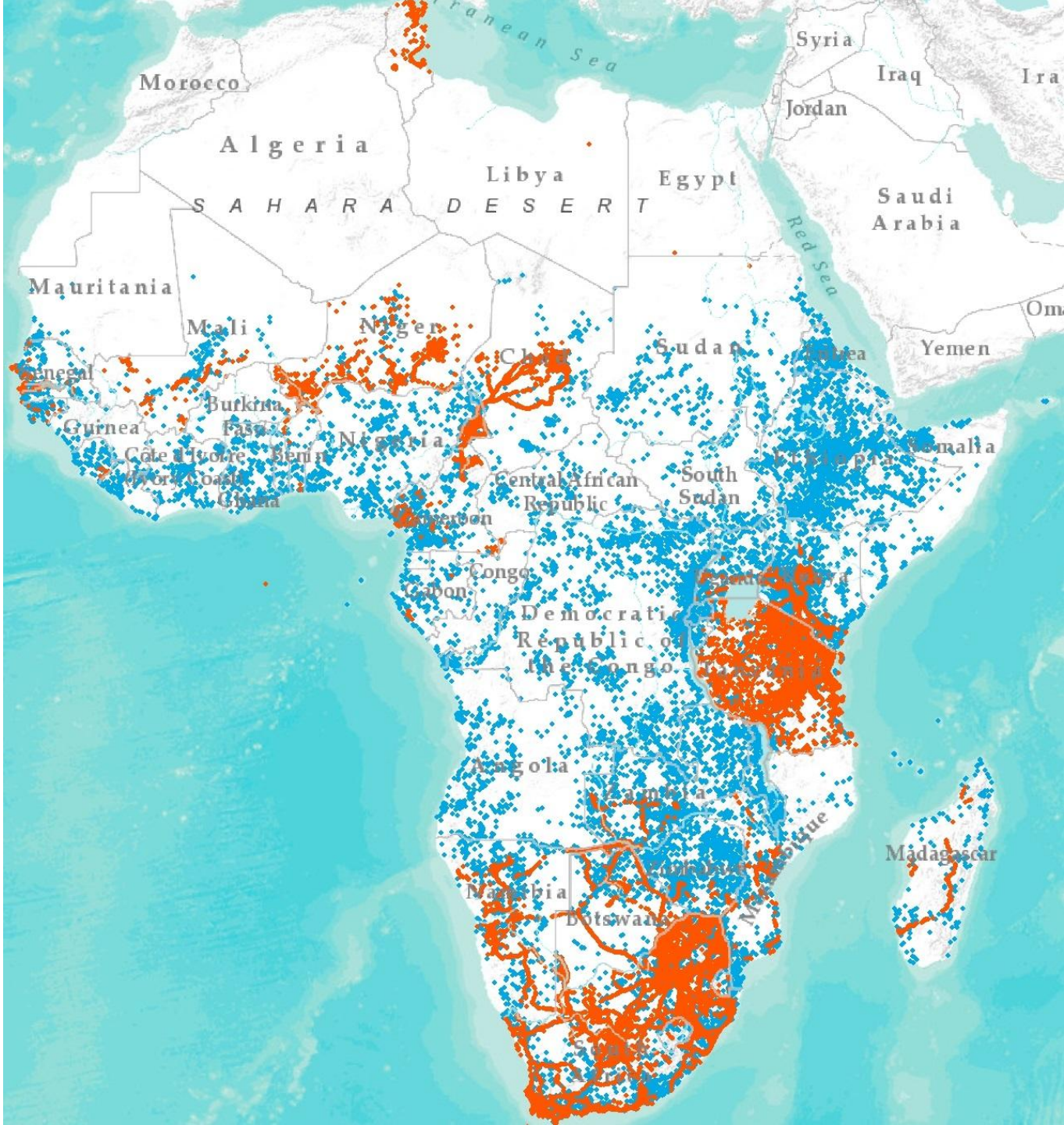
Sep-14
Oct-14
Nov-14
Dec-14
Jan-15
Feb-15
Mar-15
Apr-15
May-15
Jun-15
Jul-15
Aug-15
Sep-15
Snow Atlas
TZBA
NiBDaB
Cameroon
Karoo
TZ
Birdlife SA
Secretarybirds
Namibia
Database total
spreadsheet
African Raptor Observations app

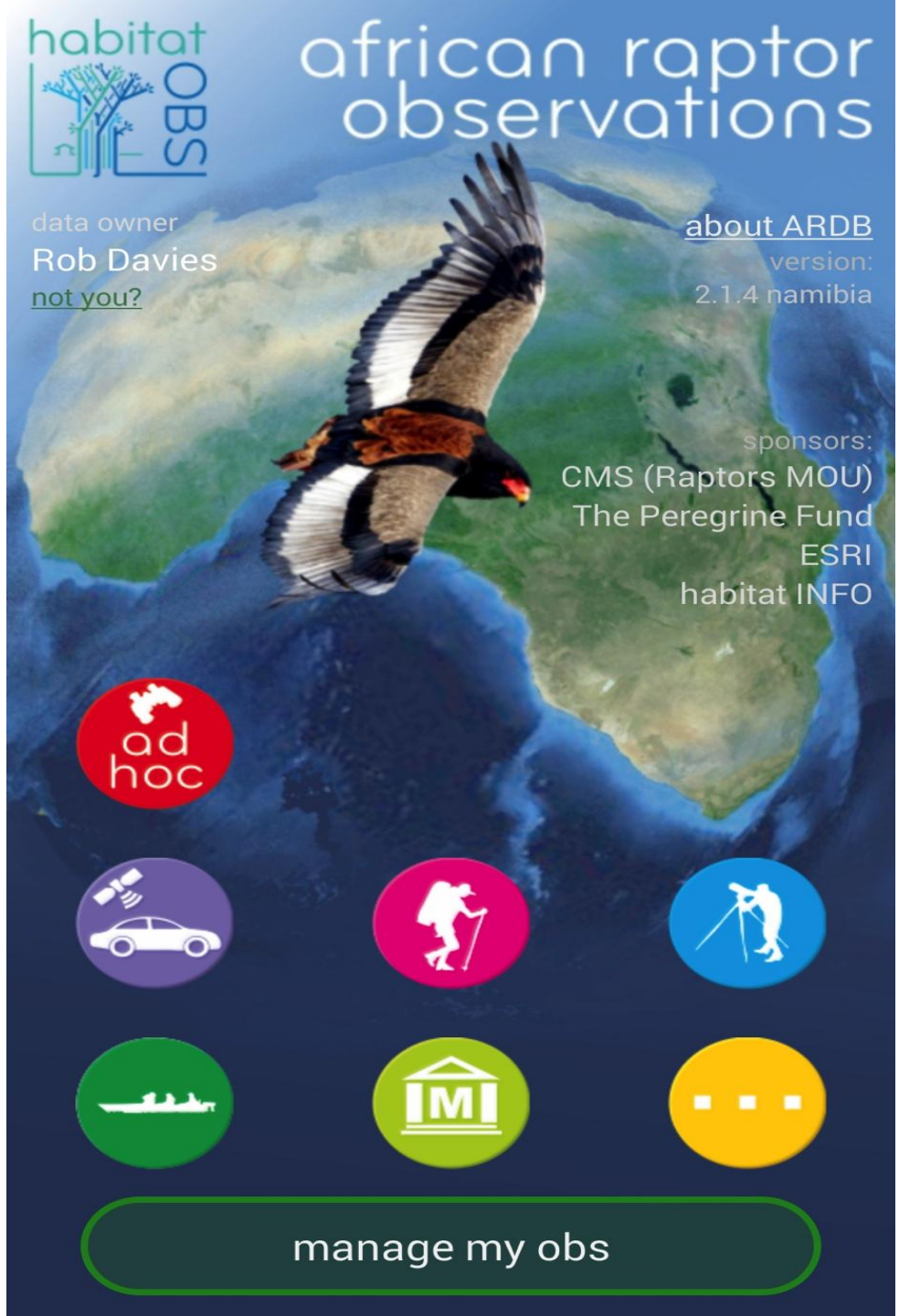
Coverage:


Morocco
Algeria
Libya
Egypt
SAHARA DESERT
Syria
Iraq
Jordan
Saudi Arabia
Red Sea
Mauritania
Mali
Niger
Chad
Sudan
Yemen
Senegal
Burkina Faso
Guinea
Nigeria
Côte d'Ivoire
Benin
Ghana
Cameroon
Central African Republic
South Sudan
Ethiopia
Somalia
Congo
Gabon
Democratic Republic of the Congo
Kenya
Angola
Zambia
Mozambique
Madagascar
Namibia
Botswana

android app

Kurt Eckerstrom

CMS Raptors MoU



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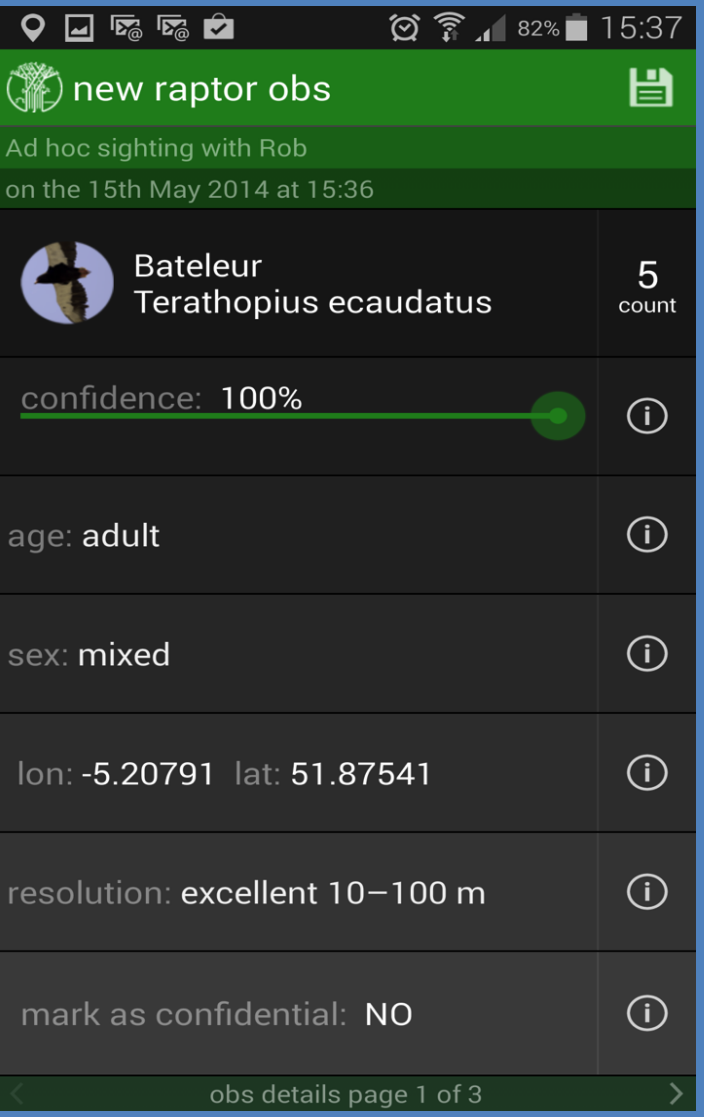
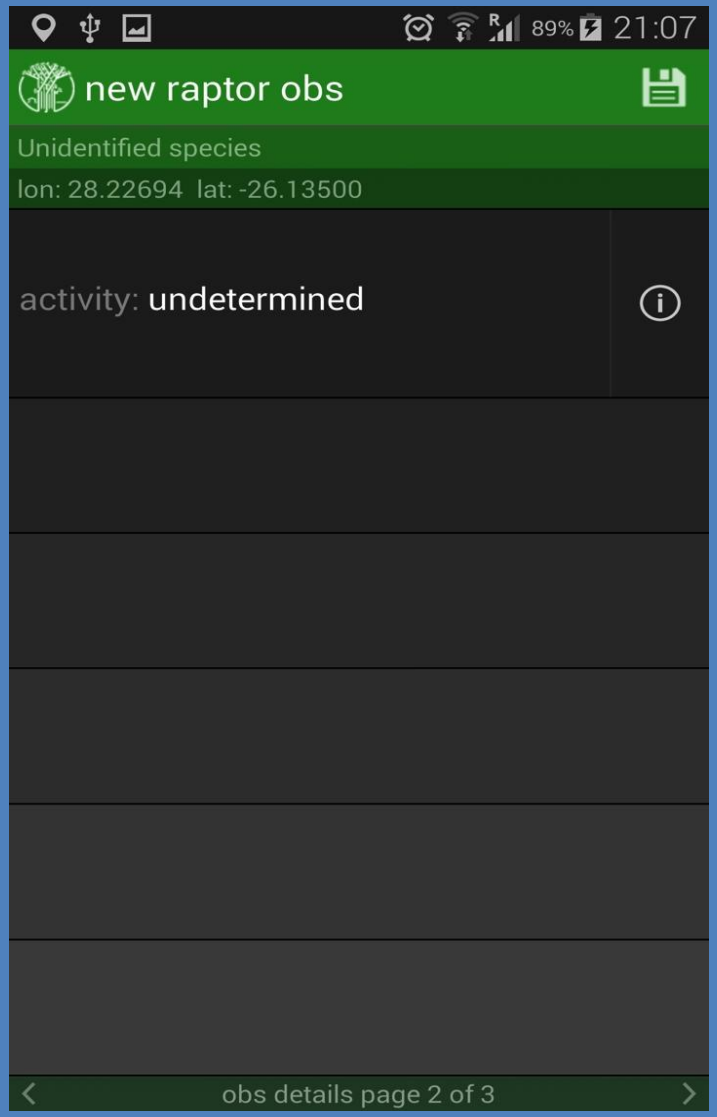
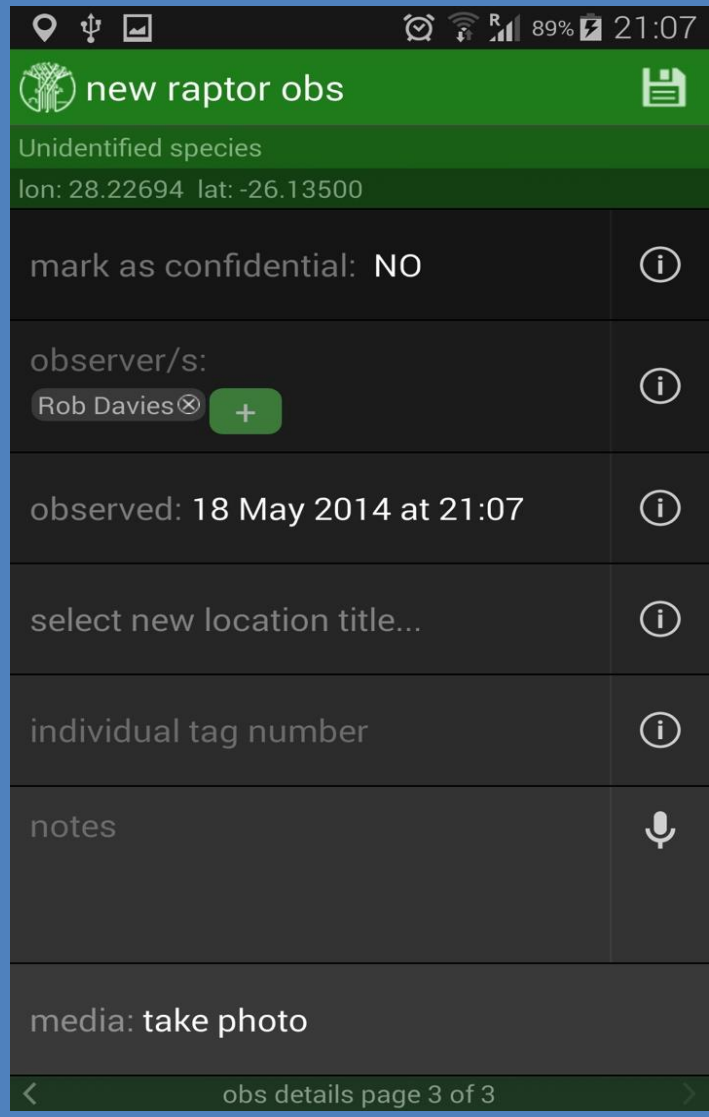
SCREEN ONE
WHAT
WHERE

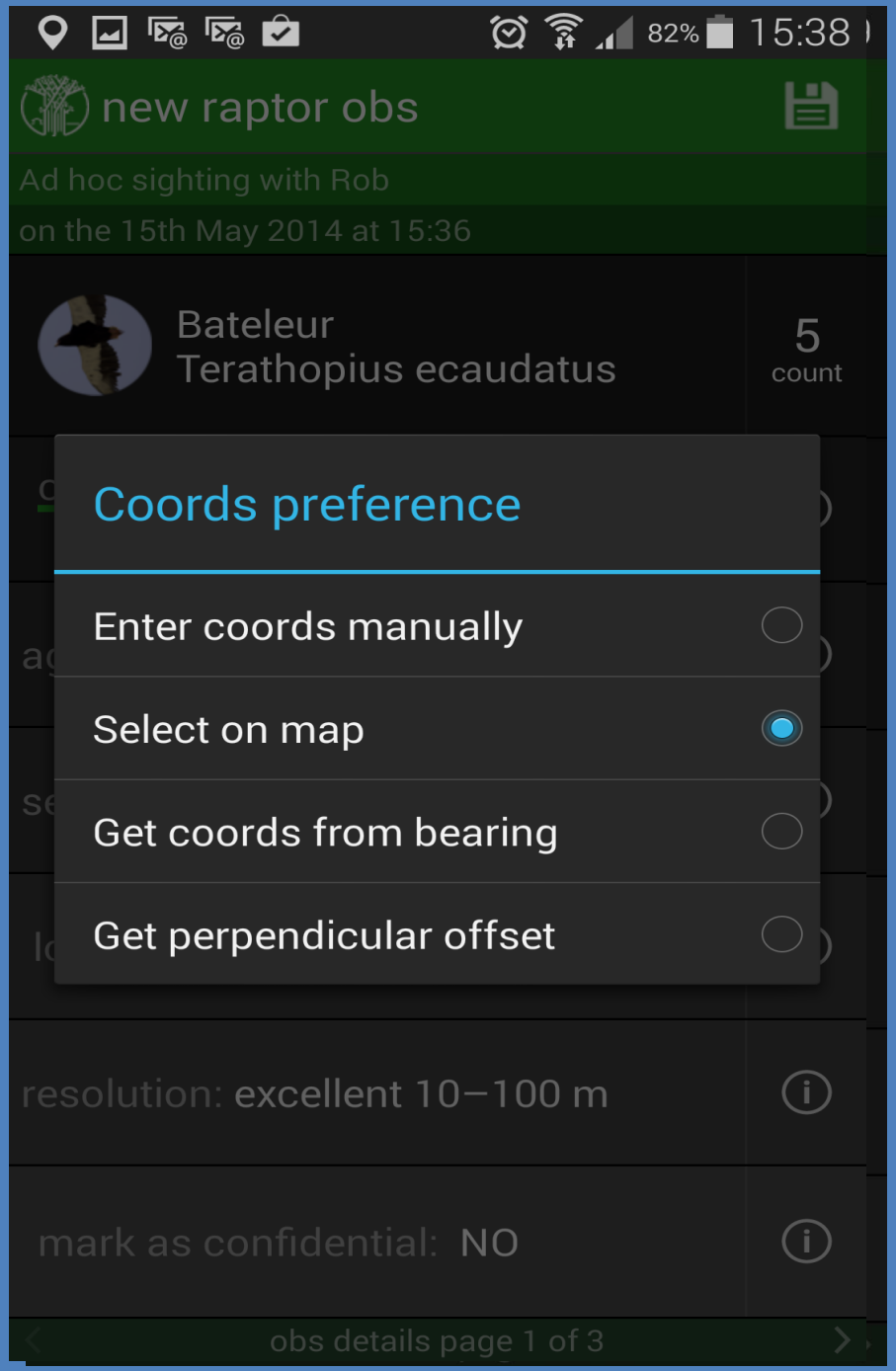


SCREEN TWO



SCREEN THREE
WHO
WHEN




82%
15:38
new raptor obs
Ad hoc sighting with Rob
on the 15th May 2014 at 15:36
Bateleur
Terathopius ecaudatus
5
count
Coords preference
Enter coords manually
Select on map
Get coords from bearing
Get perpendicular offset
resolution: excellent 10–100 m
mark as confidential: NO
obs details page 1 of 3

habitat OBS
point and click
obs location
cancel
save

undefined live sighting

seen perched / on ground

seen flying

nest record / breeding

food record / predation

flock (mixed)

migration passage

dead / mortality

heard calling

communal roost site

colony

trapped for study / ring / mark

injured / rehab

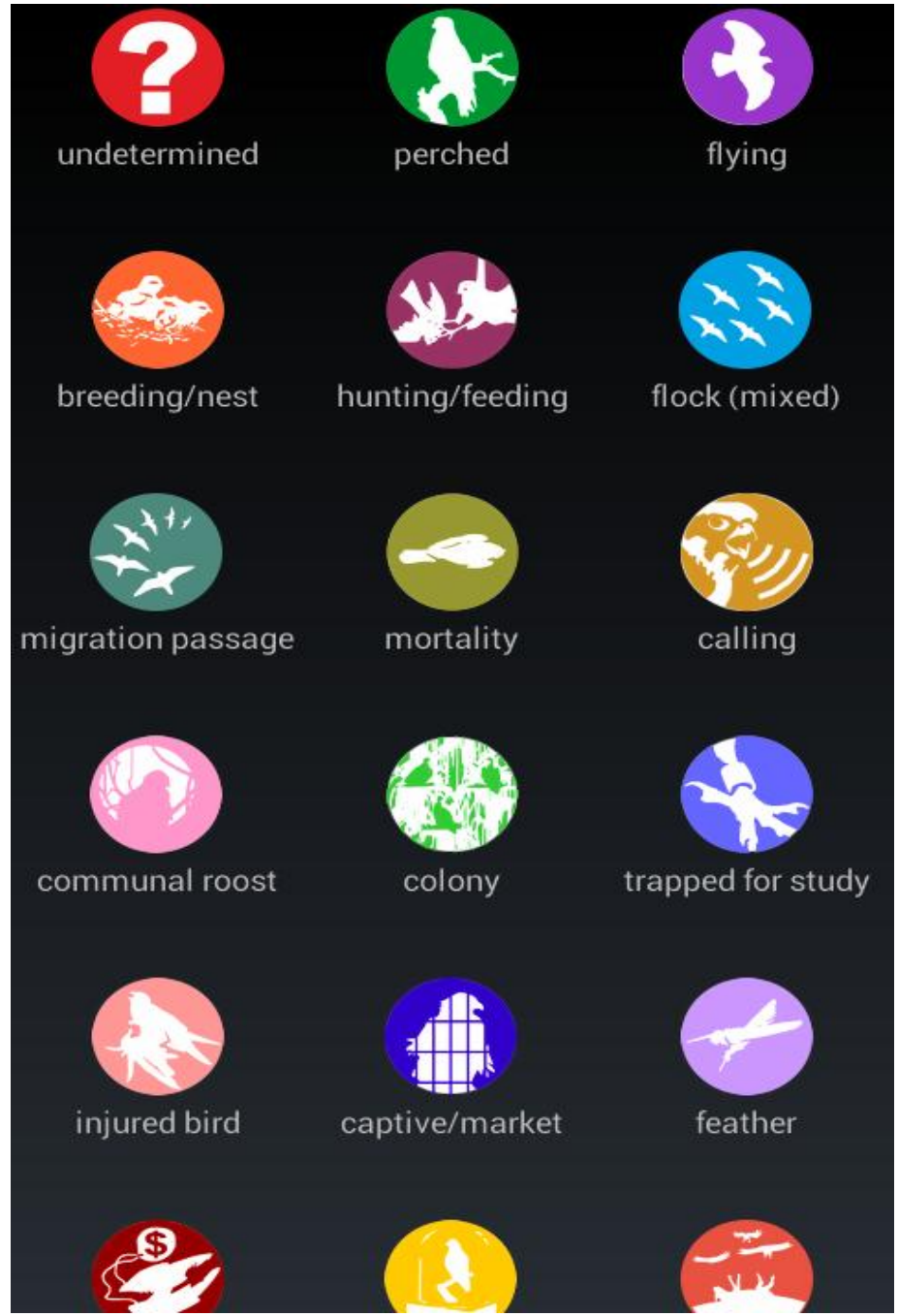
captive / zoo

sign (feather / pellets)

body part / trade

specimen

feeding station



activity

record type

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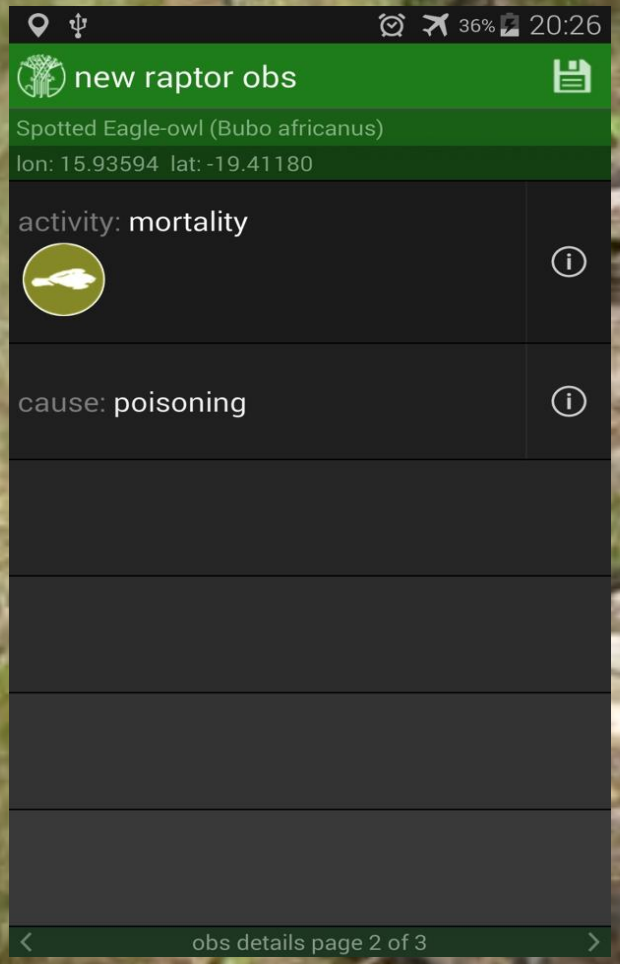

poisoning

Southern Africa – poachers 40%

East Africa – carnivores 60%

West Africa – juju trade 98%

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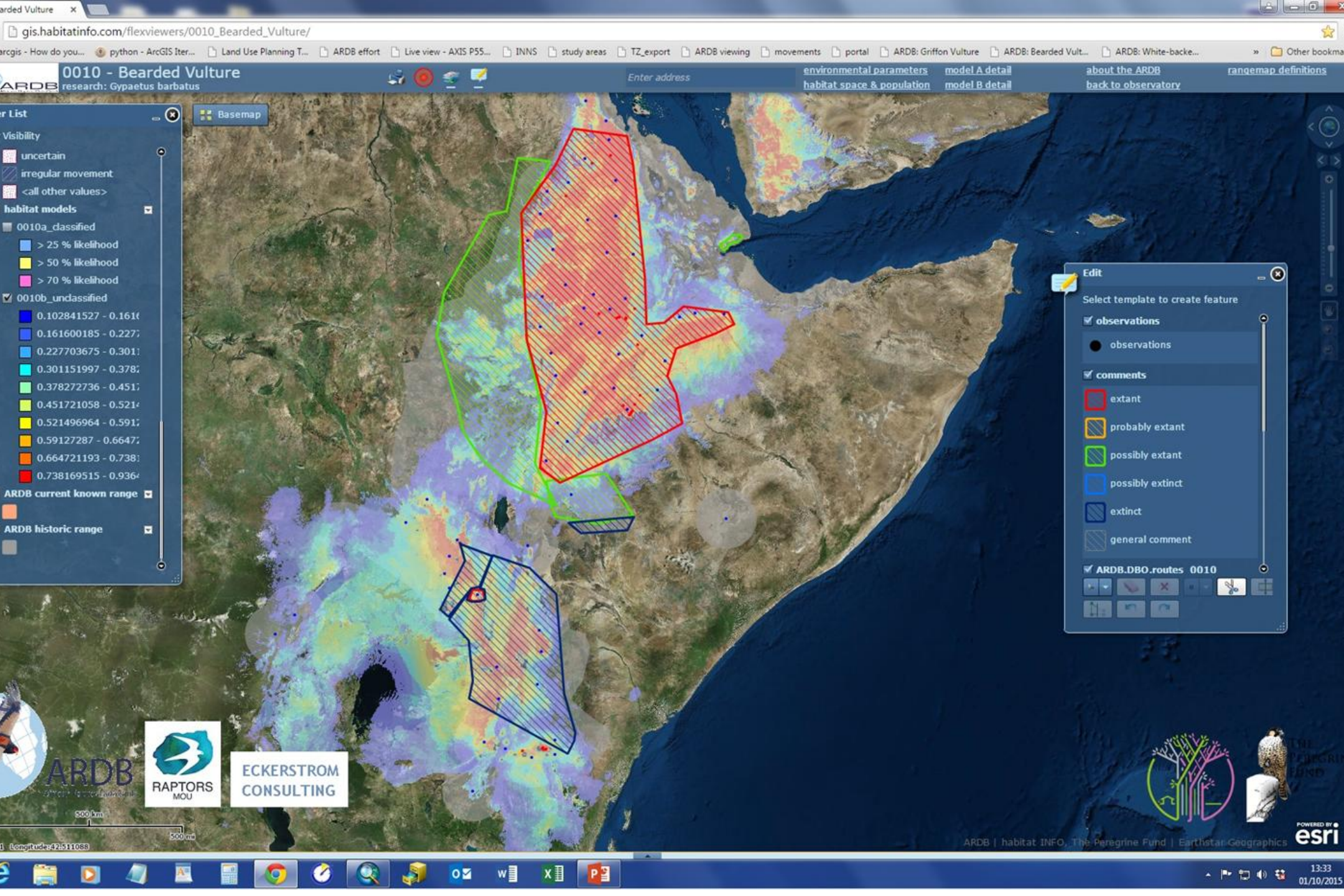
0010 - Bearded Vulture
research: Gypaetus barbatus
Enter address
environmental parameters
habitat space & population
model A detail
model B detail
about the ARDB
back to observatory
rangemap definitions
Basemap
r List
Visibility
uncertain
irregular movement
<all other values>
habitat models
0010a_classified
> 25 % likelihood
> 50 % likelihood
> 70 % likelihood
0010b_unclassified
0.102841527 - 0.161
0.161600185 - 0.227
0.227703675 - 0.301
0.301151997 - 0.378
0.378272736 - 0.451
0.451721058 - 0.521
0.521496964 - 0.591
0.59127287 - 0.6647
0.664721193 - 0.738
0.738169515 - 0.936
ARDB current known range
ARDB historic range
Edit
Select template to create feature
observations
observations
comments
extant
probably extant
possibly extant
possibly extinct
extinct
general comment
ARDB.DBO.routes 0010
ARDB
RAPTORS MOU
ECKERSTROM CONSULTING
ARDB | habitat INFO, The Peregrine Fund | Earthstar Geographics
esri

ARDB

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Register and learn more at
ardb.habitatinfo.com

attention: ARDB

info@habitatinfo.com

@AfricanRaptorDB

fb.com/AfricanRaptorDataBank

ANDROID APP ON Google play