

Saker GAP Implementation: Electrocution and falconers' involvement



Janusz Sielicki

IAF Vice-president for Europe, Africa and Oceania

IAF Conservation Officer



International Association for Falconry and Conservation of Birds of Prey

IAF is an accredited NGO providing advisory services to UNESCO Intangible Cultural Heritage Committee (NGO-90006) and an accredited member of IUCN International Union for Conservation of Nature.





Before „Saker Falcon *Falco cherrug* Global Action Plan (GAP)”



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School Links Programme

The School Links Programme is supported and funded by the International Association for Falconry and Conservation of Birds of Prey (IAF)

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الصقور الحرة البرية

لماذا نقوم بتحويل (ترقيم) الصقور الحرة وإلى أين تتجه في هجرتها؟

لمعرفة المزيد

جرخان او باز پالونكي العربية فارسی پښتو русский انراج مالتوی اریک

سرس پرپوس

کور
خځلي څرخ
رانگ
روغ څرخ
مار خانو هېتالونه
ښار څرخ
باز پالونكي
اندولونه پايله



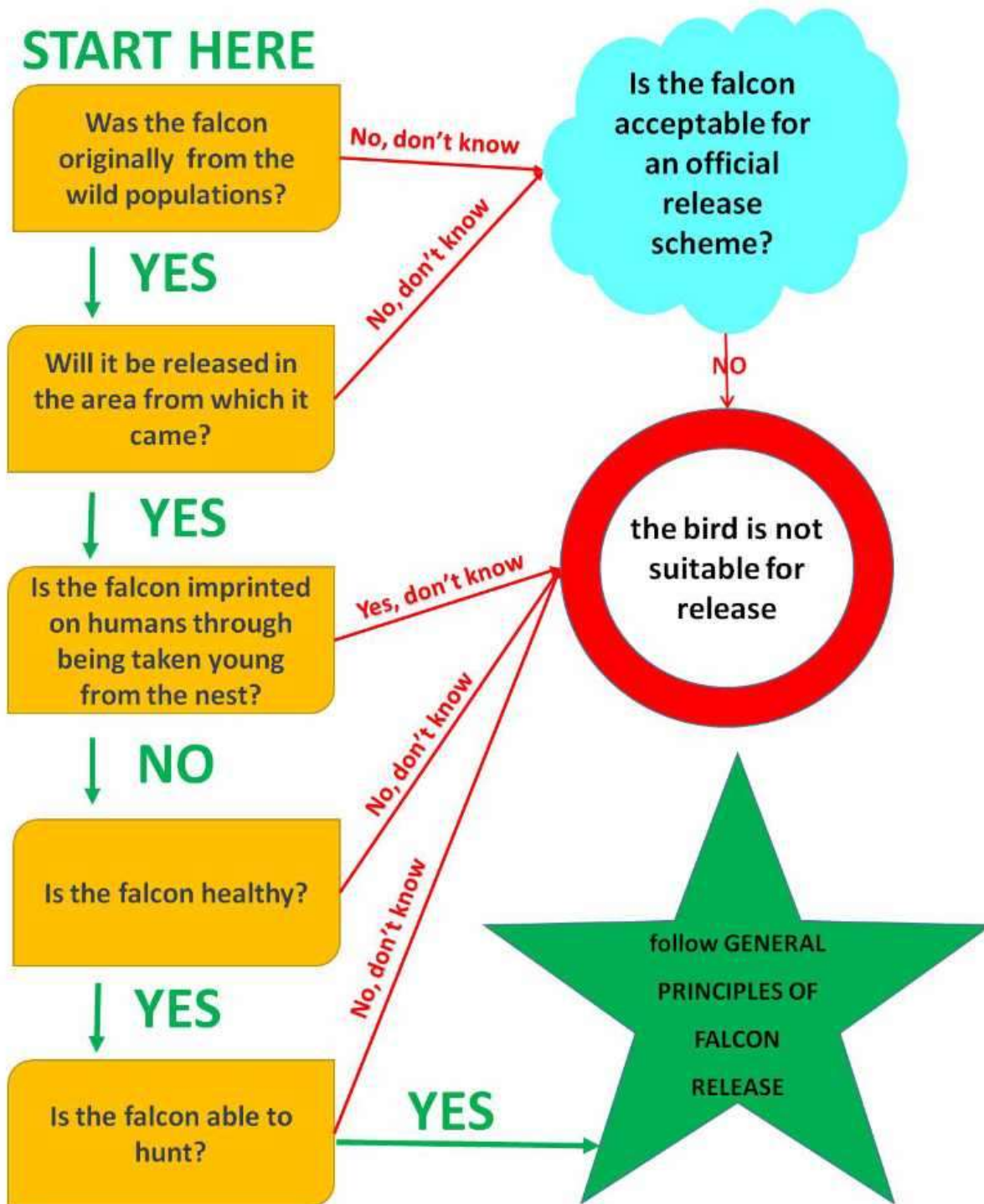
پخوا به هر ځای باز پالونكي به خپل ښار مارغان ښکار نه پس پریښودل. دا یو ښه ثقافت دے، دغه مارغان به اوسني، ښه ښکار ورسره اوکړي او بیا به په اختیاط پریري، دا لکه چې خځلي نه فرض واخلې، او دا هم مرسته د پاتېښو او بچي ښه کولو کيسے خځلي نه، دا ضروري دا باز پالونکوله چې کوم ډیر خپل کوي مارغانو او بزونه په خځلي کيسے.

په برطانیه کيسے چې کله خځلي ختم کړے شي او بازونه ختمیدو حد ته ښکار شول، نو باز پالونکي یوا لار اختیار کړه چې بل ملک نه به بهر ښکار له راوستو او بیا به پریري، چې کوم دا سوه نو جوړو کيسے آباد شول. دغه شان ډیرو ملکونو کيسے، باز پالونکي مارغان نه باچي کي او بیا ے پریري چې نوي بیا آباد شي چرته زهر د نوي آبادي ختم کړے وده نوي ډیر کامیاب دي په ډیرو نسلونو کي کوم کيسے ډیر مشهوره بڼي ده.

ثقافتی بڼه داري حوصله ورکي د مار خانو څیړول باز پالونکونه او مرستو ورکړي د نوي مطالعه تم ساده هدايت موجود دي آی.اے.ایپ ویب سائیت (ښکته لنگ اوڅوره) چې مدد ورکي مار خانو پریري کوم د خځلي دي، چې کله ښو ښه خوندي ډیر ښکار نوي سره اوکړه او بیا د نوي وخت راغلے چې نوي خپل خاندان پخپله جوړ کړي ښه مطمئن شه چې کله پریري په محفوظ علاقه کيسے، چې ښکته به ته ښکار ډیر استمالول. (بره اوڅوره)

آیا سئو څرخ پریري ډیره صبیح دے؟

START HERE



WWW.SAKERNET.ORG

A simple set of instructions to help you release raptors that come from the wild
(Arabic)
(Pashto)
(Persian)

System for Community Liaison (SYCL) satellite stores science and admin documents for IUCN, BirdLife International, and CMS coordination.

<http://www.sakerfalcon.org/>



Saker Net

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Saker Conservation and Falconry

This is web-site for the Saker Task Force (STF) set up under the Raptors MOU of the Convention on Conservation of Migratory Species (CMS). The site is run by the International Association for Falconry and Conservation of Birds of Prey (IAF), working together with CMS, [Birdlife International](#) and [IUCN](#).



During 2012-14, the CMS-STF worked with researchers, falconers and other conservationists to draft a Saker Falcon Global Action Plan ([SakerGAP](#)), which was adopted by the CMS conference of parties at Quito, Ecuador in November 2014. The SakerGAP proposed flagship projects for managing and monitoring the species. This site, which provides information in English for researchers, veterinarians and other practitioners, is part of the first project. It [links here](#) in English to another part of this portal project, which is in Arabic, Pashto, Persian and Russian, for falconers, trappers and local land managers in Saker breeding areas. That site will carry the results of a survey which has now started to embrace in management and monitoring all those whose passion and livelihoods involve the Saker Falcon.

The site is also a resource for those wishing for links to Saker project information, to partners in this project and to reports and scientific articles on the Saker Falcon, including a [bibliography of 844 papers](#). There is also a [2-page factsheet](#) that gives a useful overview of the SakerGAP.

News

09 Oct 2016 **Middle East & North African IAF Members at ADIHEX**

01 Sep 2016 **Year 2 Survey is Live**

17 Apr 2016 **Portals Year 1 Report Published**

[Read more](#)



Second Flagship Project: Satellite Tracking of Sakers.

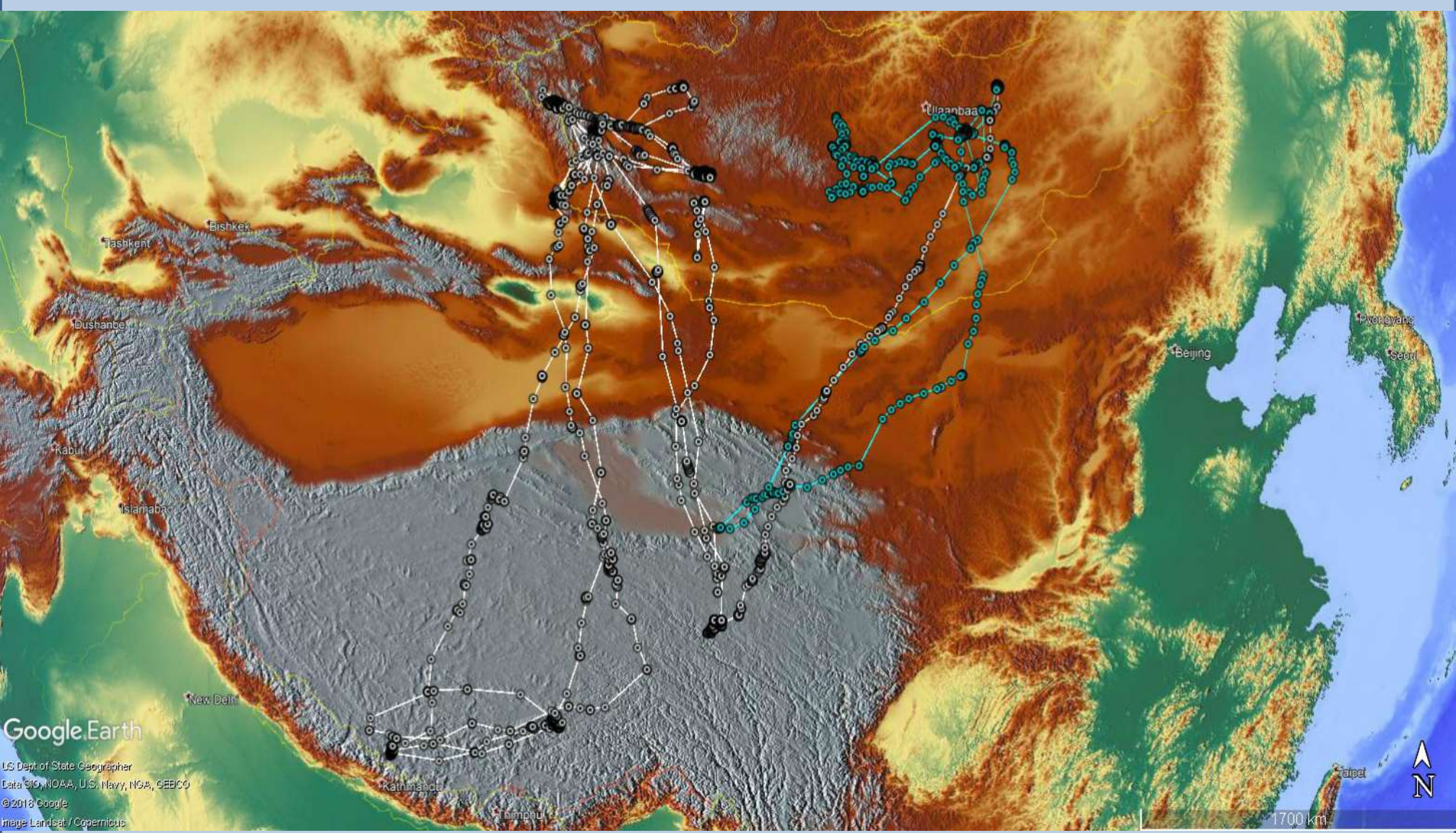
This project has been initiated by the IAF (assisted by ECOTONE) in 2016.

Results of Field Surveys and Satellite Tracking

Results

- 17 (wild) juveniles tagged in Khakassia and Tuva Republics, Russia (2016-2019)
- 13 (5 juv + 8 ad) individuals tagged in Mongolia (2017-2019)
- More than 3000 km in Russia and Mongolia were covered in Russia and West Mongolia
- More than 150 saker falcon territories were checked
- Background environmental factors were recorded
- Russian, Mongolian, Hungarian and Polish experts participated in the expeditions
- Expeditions were co-sponsored by IAF, Ecotone Telemetry Inc. and private individuals

OVERVIEW MAP OF SATELLITE-TRACKED SAKERS IN MONGOLIA (not all birds shown)











IUCN
World
Conservation
Congress
Hawai'i 2016

Planet at the crossroads

1-10 September 2016, Hawai'i

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003 - Preventing electrocution and collision impacts of power infrastructure on birds

Latest version in this language: *Version as adopted through electronic ballot prior to Congress* | Published on: 01 Sep 2016 | [Compare with other versions](#)

Other languages: [Français](#) | [Español](#) | [Translate with Google](#) | Working language: English

[View comments](#)

ALARMED by mounting evidence that a largely unaddressed silent epidemic of electrocution and collision of a wide diversity of birds and bats is resulting from inappropriately designed and routed electricity distribution infrastructure, with significant negative impacts on some avian populations;

CONCERNED that effects may be especially severe for apex predators and important scavengers, including globally threatened, internationally protected raptors species such as the Saker Falcon (*Falco cherrug*), Steppe Eagle (*Aquila nipalensis*), Spanish Imperial Eagle (*Aquila adalberti*), Egyptian Vulture (*Neophron percnopterus*), White-backed Vulture (*Gyps africanus*) and Cape Vulture (*Gyps coprotheres*);

AWARE that bird mortality through electrocution and collision is documented in every region of the world, with the 'Review of the conflict between migratory birds and electricity power grids in the African-Eurasian region' adopted by the Tenth Conference of Parties to the Convention on Migratory Species (CMS COP10), the Fifth Meeting of Parties to

The World Conservation Congress, at its session in Hawai'i, United States of America, 1-10 September 2016:

1. CALLS UPON governmental bodies and power companies to work together and to ensure that all new and where possible existing power infrastructure complies with measures to prevent bird electrocution and collision;
2. RECOMMENDS the use of available multi-language guidance adopted by CMS COP10, AEWA MOP5 and CMS Raptors MoU MOS1, as well as BirdLife International's sensitivity mapping and guidance on this issue;
3. URGES adequate environmental assessments (Strategic Environmental Assessment – SEA, Environmental Impact Assessment – EIA) for any planned electricity infrastructure to avoid sensitive areas and to identify, and mitigate through location, bird-safe design and construction measures, potential electrocution and collision impacts on birds;
4. **FURTHER CALLS UPON responsible financial institutions to adopt appropriate policies to ensure that power companies are required to minimise impacts on birds through planning to select appropriate locations, to implement adequate EIAs, to utilise safe designs and to employ effective monitoring as part of the terms of funding;**
5. FURTHER CALLS UPON research institutions to develop methods and designs to mitigate the impacts of such incidents on migrating birds and assess these methods and designs appropriately;
6. **URGES relevant governmental bodies, power companies, financial institutions and other stakeholders to liaise with each other, and with the Secretariat and Energy Task Force of the CMS to ensure that existing and planned infrastructure which is harmful to birds is identified and is subject to urgent remediation,** which has no adverse ramifications for other wildlife, with monitoring, including monitoring of vulnerable species at national and international level, to measure effectiveness; and
7. COMMENDS countries and organizations, including power utilities, which are funding research and implementing remediation measures.



Preventing the Electrocution of Birds on Power Infrastructure

www.iafwc.org



<http://birdelectrocution.org/>

The silent epidemic

Electrocution is now the single most important cause of mortality for a number of endangered species, killing hundred of thousands of birds each year.

[Find out more](#)



Methods for mitigation



Reconfiguration

حماية الطيور من الصعق على خطوط
وأعمدة الكهرباء

AR

Предотвратяване на смъртността
при птиците от токови удари по
електропреносната мрежа

BG

Verhinderung von Stromtod von
Greifvögeln durch Stromleitungen

DE

Preventing the Electrocution
of Birds on Power Infrastructure

EN

Prevención de la electrocución
de aves en infraestructuras energéticas

ES

جلوگیری از برق گرفتگی
پرندگان بر روی تأسیسات برق

FA

Prevention de l'électrocution des oiseaux
sur les infrastructures électriques

FR

Az elektromos légvezetékek okozta
madárpusztulások megelőzése

HU

Riduzione del pericolo di elettrocuzione
degli uccelli sulle linee elettriche

IT

Електр қуатын тасымалдау желілеріндегі
електр тоғынан құс өлімінің алдын алу

KK

Шувуудыг өндөр хүчдэлийн шугамын
тогонд цохиулан эндэх эрсдэлээс
урьдчилан сэргийлэх нь

MN

Prevenir a Electrocução
de Aves nas Infraestruturas Elétricas

PT

Предотвращение гибели птиц
от поражения током на линиях
электропередач

RU

防范电力设施对鸟类的危害

ZH

Mongolian Falconry Association in 2017 started the project „Hand to Help - Help the Saker Falcon”



Mohammed Bin Zayed Raptor Conservation Fund



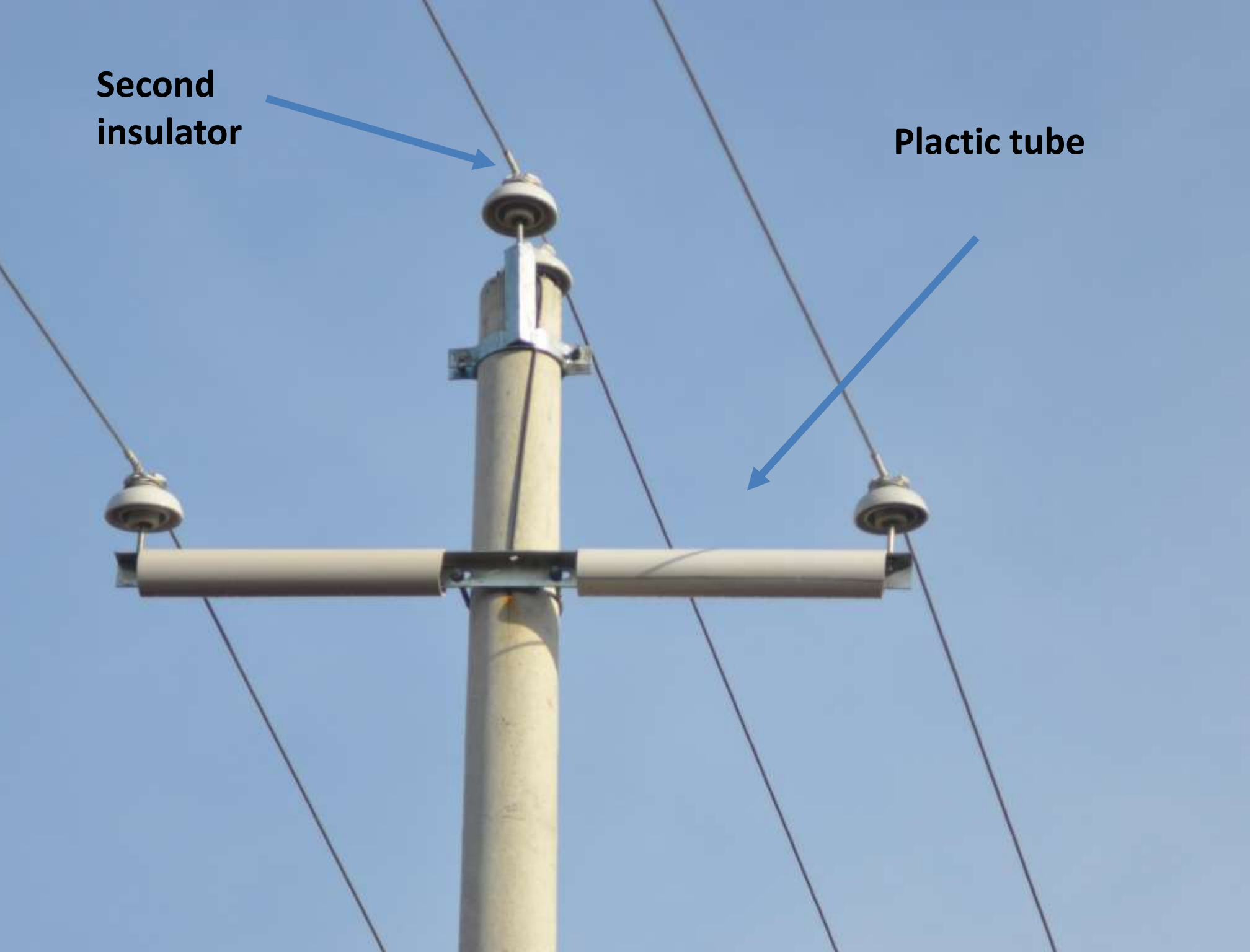
At the Flyway Summit in
Abu Dhabi, April 2018
UAE donated 20 Mio
USD for raptor
conservation.

First project is
1 Million USD for
electrocution in Asia.
Our small Mongolian
project was conducted
in cooperation, as a kind
of pilot survey



**Second
insulator**

Plactic tube





MBZ



RAPTOR CONSERVATION FUND

صندوق محمد بن زايد للمحافظة على الطيور الجارحة

Avian Electrocutation

Trials to test efficacy of remediation and mitigation methods



Perch
Deflectors:
uninsulated

**Most
frequently
used by
EDCs in
Mongolia
NO EFFECT**



Perch
Deflectors:
insulated

**Reduced
electrocution
rate by
85%**



Perch
Deterrents

**Reduced
electrocution
rate but
easily broken**



Insulation:
on cables

**Reduced
electrocution
but potential
risk to cable**



Insulation:
on supports

**Reduced
electrocution
rates and
failsafe**



Suspended
Insulators

**Reduced
electrocution
but there are
logistical
constraints**

MBZ



RAPTOR CONSERVATION FUND

صندوق محمد بن زايد للمحافظة على الطيور الجارحة

Avian Electrocution Mitigation by **retrospective insulation**

- Insulation easy to install on existing lines, long-lasting, inexpensive and effective at reducing electrocution risk
- Can incorporate insulation into new build lines with very little additional cost
- Cost is a major factor in decision making process when planning new lines
- **Challenge:** design new distribution poles and support hardware that does not cost more than existing dangerous configurations – modern materials and design



Challenge: energy industry
to develop bird-safe
infrastructure



ELECTROCUTION AND FINANCING INSTITUTION

- IAF is working with IFC (International Finance Corporation), the World Bank institution, on guidance for preventing electrocution on distributions lines (6-110 kV), what is included in proposed amendments to CMS Resolution 10.11**
- Once adopted that will be a guidance for international investment institutions and circa 100 private banks.**
- The aim is that new lines will be bird safe**
- The aim is when reconstruction is made the line is bird-safe**
- We hope that governments will use this as well**



In addition to nest project Mohammed Bin Zayed Raptor Fund started a reintroduction project in Bulgaria



Last but not least



Joint Workshop Against Illegal Trade in Birds of Prey

THANK YOU !

