

# 1 – Where are the priority areas/topics outside Europe for action?

Middle East on spring migration; northern Sahel/Lake Chad basin;

Persecution (Middle East; north Africa) - hunting

Climate/land-use change on key stopover points and wintering grounds

Pesticides/poisoning – direct & indirect & carryover effects

Water use – irrigation; extraction

## 2 – Main knowledge gaps?

Further migration route info to identify stopover sites and wintering areas, particularly for Eastern flyway – spring migration data sparse.

Understanding pressures on land and drivers of land-use change; Land grabbing

Hunting pressure along flyway/captive bird trade?

Population status, ecology, migration of semenowi subsp.

Habitat selection on wintering grounds

Breeding in northern Africa

## 3 – How can we fill the gaps?

Visit bushmeat markets – evidence of Rollers? Questionnaires? Data/expertise from outside ornithological community

Develop lighter/cheaper tags to reduce impact and facilitate wider deployment

Promote research/data collection by local NGOs; academic institutes along flyway; facilitate research permit access

Capacity building - promote scholarships etc to bring students to European research institutes

Promote (social media) reporting tools to build citizen science datasets on distribution, movements and abundance (Birdtrack, ebird, ornitho etc)

## 4 – What role do you / your organisation play outside Europe for Roller or other migratory species?

A Rocha – monitoring work in Kenya with capacity to extend work to Roller. Work in Nigeria & Ghana too.

Could provide training, education material on best practice & capacity building for e.g. long-term monitoring

Issue around intellectual property which prevents collaboration. Build on existing programmes (Spanish involved in antelope reintroduction programme in Senegal) and extend to Rollers to identify partners, use infrastructure, capacity build

## 5 – The 3 most important actions to expand the ISAP to a Flyway-ISAP?

Research - distribution & habitat use across flyway

Pesticide use across flyway. Research into direct, indirect & carryover effects

Establish Roller flyway working group & with key stakeholders along flyway. Identify international coordinator to oversee and facilitate process.

Do we have this in Europe already (though not formally agreed)

## 6 – What could you/organisation contribute to Flyway ISAP?

Identify reliable partners (NGOs, academic institutes, individuals) to develop future projects with

A Rocha could promote/establish Roller counting day in Kenya

Ongoing tagging programmes on European breeding grounds

## 7 – How can we better share information? a) better sharing; b) barriers to information sharing; c) how to overcome?

Coordinated, inclusive online presence – expand Birdlife SAP-tracking tool to include Rollers

Best practice guidelines – nest boxes, monitoring, habitat selection

Barriers: Capacity (time & funding constraints); language; unpublished/inaccessible information;

Build bibliography? Social media groups/website; research conference/workshop

Use established networks/community groups to disseminate information & raise public awareness

## 8 – Who is willing to participate in post-workshop info exchange and in context of flyway ISAP

Everybody