

# 1 – Priority areas and topics outside of Europe?

- 1) Hunting in the Middle East/north Africa – knowledge gap
- 2) Subsistence hunting in southern Africa – knowledge gap
- 3) Demographic/age related differences in migration strategy and migration ecology – knowledge gaps
- 4) Legal protection across Africa and the Middle East – knowledge gap
- 5) Information on extraction/hunting (when, where, scale) across non-European flyway.
- 6) Site fidelity and migration route fidelity between years
- 7) Deployment of PPT and colour rings on the wintering areas to investigate winter site fidelity – focal sites in southern Africa
- 8) Climate change effects
- 9) Collection of data on pesticide and poison effects in wintering and migration areas.  
List of pesticide types in use. Pathology of dead birds
- 10) Habitat requirements across the range (including differences).
- 11) Preferred prey type across the range.
- 12) Ecology at stopover locations
- 13) Contacts/experts identification in countries across flyway.

## 2 – Main knowledge gaps?

- 1) Hunting in the Middle East/north Africa – knowledge gap
- 2) Subsistence hunting in southern Africa – knowledge gap
- 3) Demographic/age related differences in migration strategy and migration ecology – knowledge gaps
- 4) Legal protection across Africa and the Middle East – knowledge gap
- 5) Information on extraction/hunting (when, where, scale) across non-European flyway.
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- 8) Climate change effects
- 9) Collection of data on pesticide effects in wintering and migration areas. List of pesticide types in use.
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### 3 – How can we fill the gaps?

- 1) Ground surveys across the African flyway.
- 2) Surveys at key stopover sites.
- 3) Deployment of more PTT's to identify migration routes and loss
- 4) Why and where birds are being killed
- 5) Identification of migration bottlenecks along the flyway (establishment of monitoring programme as at Batumi?)
- 6) Ringing and biometrics of birds in wintering and passage areas.
- 7) Co-ordination of ringing via EURING?
- 8) Questionnaire for statutory conservation bodies in Africa
- 9) Contact Batumi for advice and participation?
- 10) Contact research institutions in Africa and elsewhere on the flyway.
- 11) Secure funding for research and conference/workshop for African partners.
- 12) Investigate links between African climate and European breeding populations.

## 4 – What does your organisation contribute currently?

- 1) South Africa – 2 species guardians for Roller in South Africa (results published soon)
- 2) Bulgaria experience with Egyptian vulture project. Use same contacts for Roller research.
- 3) Migration watchers in the Bosphorus.
- 4) Lesser kestrel research in Iberia (UEA) piggy backing Roller research.

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

- 1) Creating network of experts across the flyway.
- 2) Identify key stopover and wintering sites in Africa (and the level of protection each has). Ecology.
- 3) Increased fieldwork and collaboration along Flyway (including collaborations with researchers working with other migratory species analogous to the Roller already with projects established).

## 6 – What could you / your organisation contribute?

1) Provide expert opinion/advice.

## 7 –Information sharing (A) how can we start sharing information and (B) barriers to start to sharing?

- 1) Contact list of Roller researchers, best practice guidance. Portal?  
Google group?
- 2) Annual (short) summaries from Roller research countries in a central forum of some kind.

## 8 – Who would be willing to participate in a workshop?

1) South Africa.....

Need to plug knowledge gaps before a workshop is possible?