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## **Bird stories to tell the social and environmental changes: a comparative approach in four countries**

Chloe Guerbois, Emilie Andrieu, Eric Garine, Anne Sourdril, Jean Wencelius,  
Marc Deconchat

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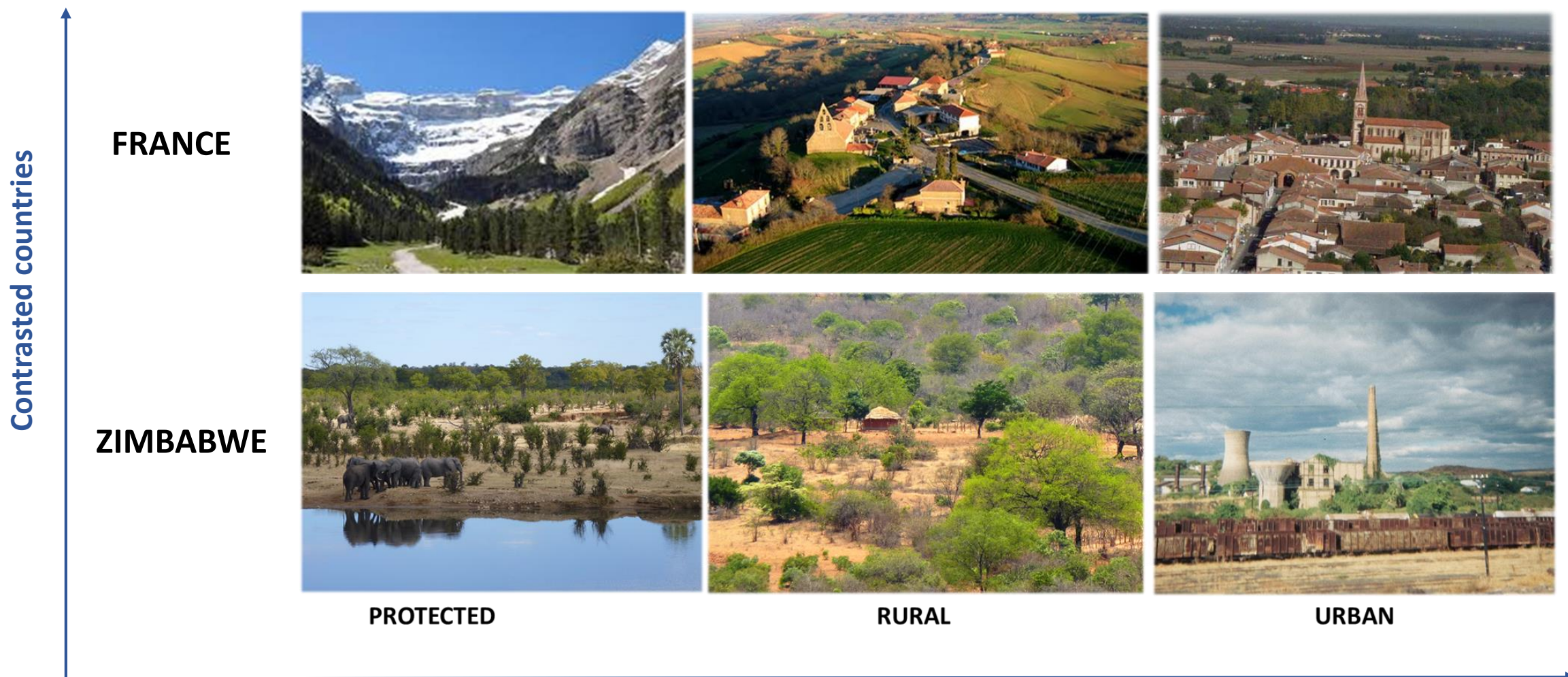


## Bird stories to tell the social and environmental changes

Chloé Guerbois, Emilie Andrieux, Eric Garine, Anne Sourdril, Jean Wencelius, Marc Deconchat et al.

Stockholm, Resilience Conference August 2017





Gradient of human transformation

## Bird stories to tell the social and environmental changes



*Tyto alba*, an indicator of land-use and social awareness (Fajardo 2001)

“In almost all languages there exists a word with a semantic content similar to *bird* “  
(Brown 1979)

“The definition of the current English *bird* is less ambiguous than any other ‘life-form’ taxon”

(Wierzbicka 1992)

## Bird stories to tell the social and environmental changes



*Tyto alba*, an indicator of land-use and social awareness (Fajardo 2001)

**Birds as bridging agents to foster co-learning ?**

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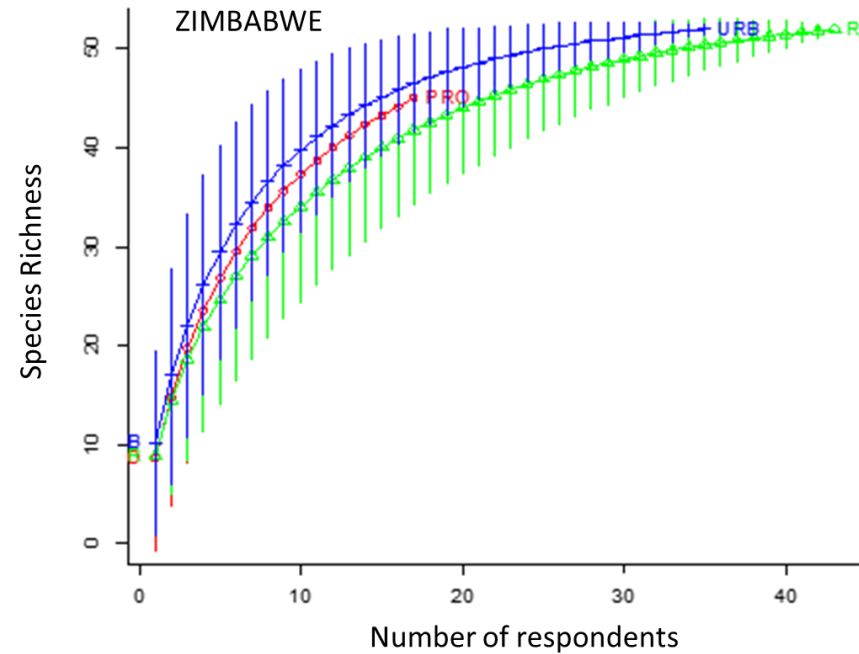
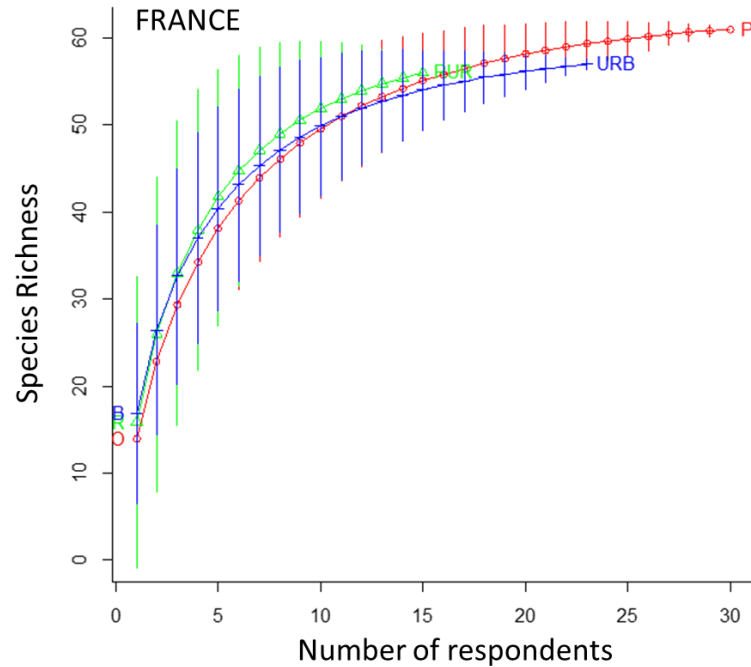
“The definition of the current English *bird* is less ambiguous than any other ‘life-form’ taxon”

(Wierzbicka 1992)

# Birds as bridging agents to foster co-learning?

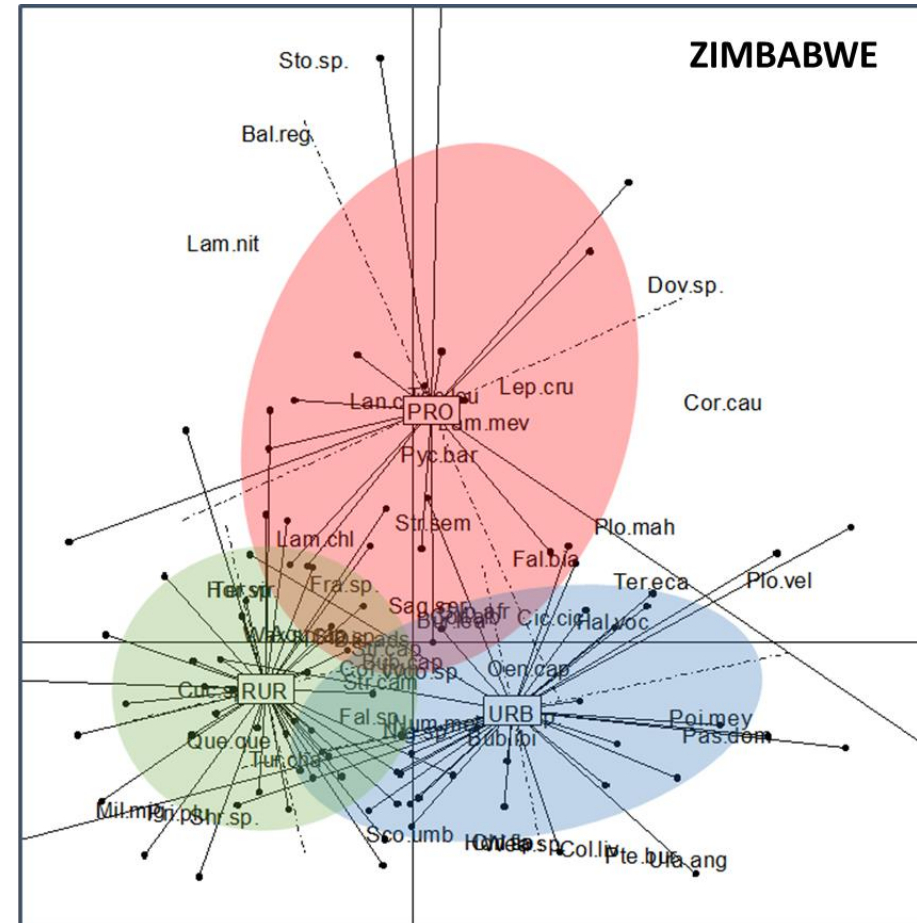
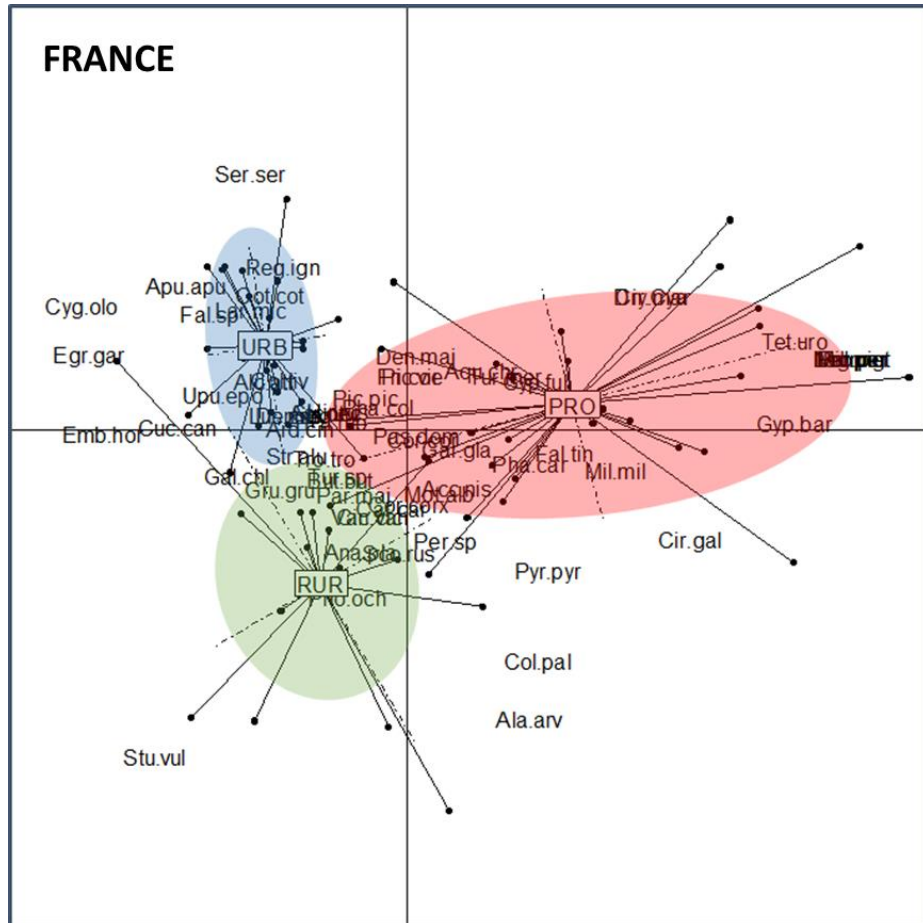
**Data:** Freelisting interviews (respondents :  $n_{\text{FRANCE}}=60$ ,  $n_{\text{ZIM}}=95$ ) – *Indicate all names of birds that come to your mind (3')* ?

→ Number of species cited show similar saturation curves accross sites (**PROTECTED**, **RURAL**, **URBAN**)



**Result 1: Strong commonality in ethnozoological knowledge within sites and accross countries at diversity level**

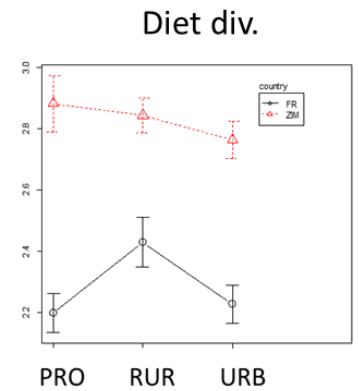
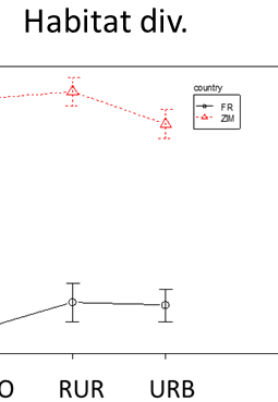
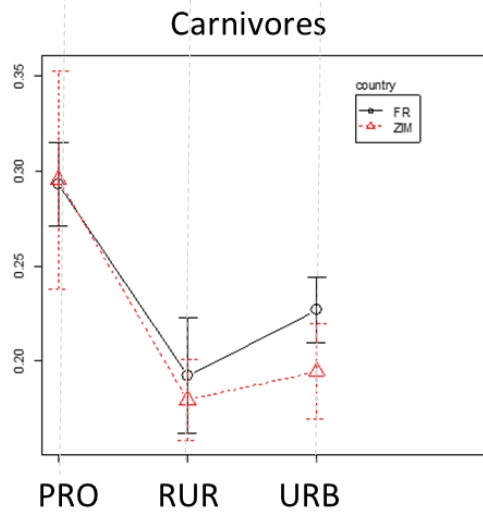
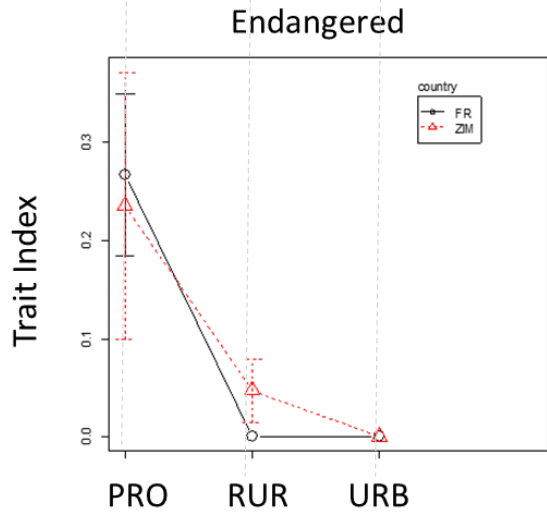
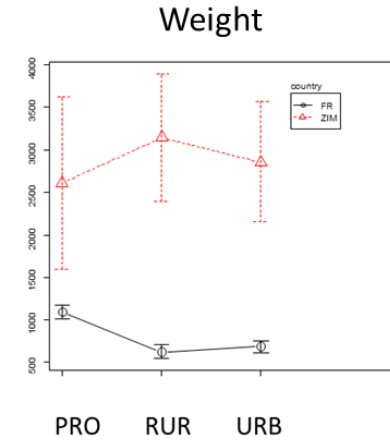
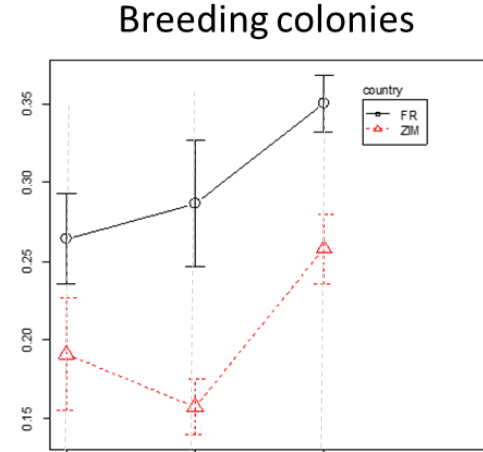
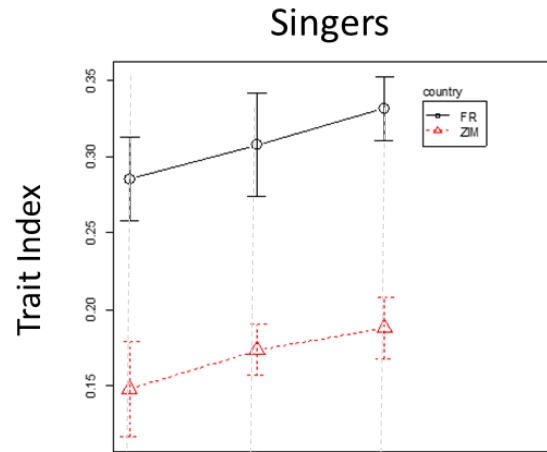
→ The cited species are clustered along a gradient of anthropogenic transformation (**PROTECTED**, **RURAL**, **URBAN**)



**Result 2: Commonality in ethnozoological knowledge within sites and accross countries at species level**

→ The cited species along a gradient of anthropogenic transformation share similar traits (**FRANCE-ZIMBABWE**)

**DETECTABLE  
IN URBAN  
AREAS**



**DO NOT MATCH ECOLOGICAL PREDICTIONS**

**EMBLEMATIC  
IN PROTECTED  
AREAS**

**Result 3: Some commonalities in ethnozoological knowledge within sites and accross countries at trait level**





## Birds as bridging agents to foster co-learning ?

Knowledge or perceptions related to birds are place-based

**BUT**

Strong commonalities in local indigenous knowledge that provide many opportunities to foster co-learning in contrasted socio-ecological contexts.

# Thank you!



et al: Bekezela Nxumalo, Zénaïde Dervieux, Melodie Berghebi, Emilie Guitard, Caroline Mourrut, Cécile Gazo, Louise Clochey, Valery Rasplus. Headman Bitu and local colleagues for bird identification in Zimbabwe

