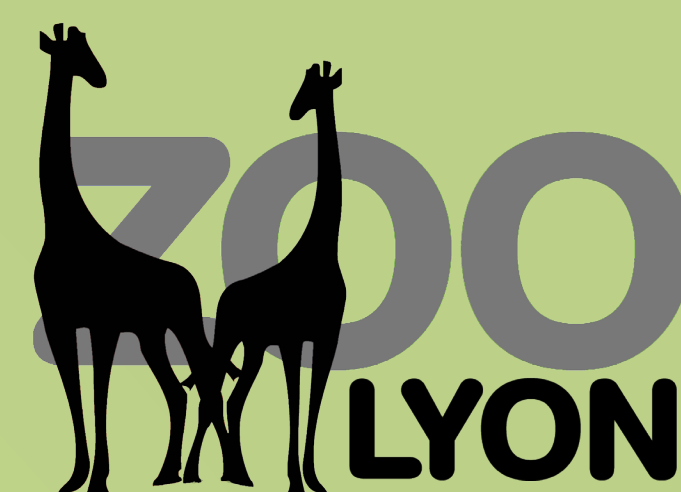




Want more ?

Let's sing with *Amazona finschi*

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Université de Saint-Etienne and Zoo de Lyon



Study of acoustic communication of 2 groups (between and within) of *Amazona finschi* (σ_1 / σ_2 and σ_3 / ♀) - spring 2017



Vocal recordings

- Usual Vocalizations (UV)
- Medium Vocalizations (MV)
- High Vocalizations (HV)

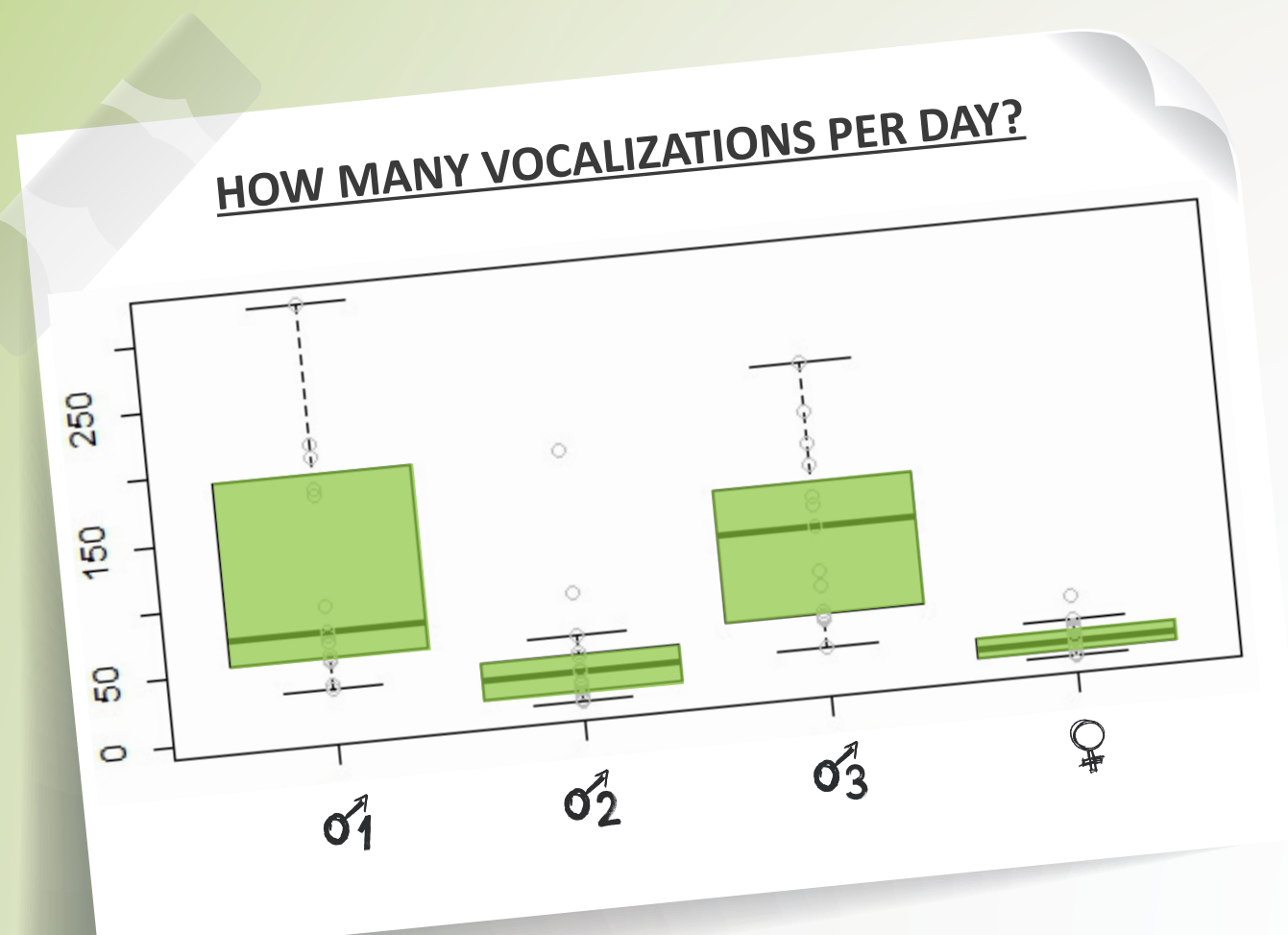


Behavioral observations associated with vocalizations

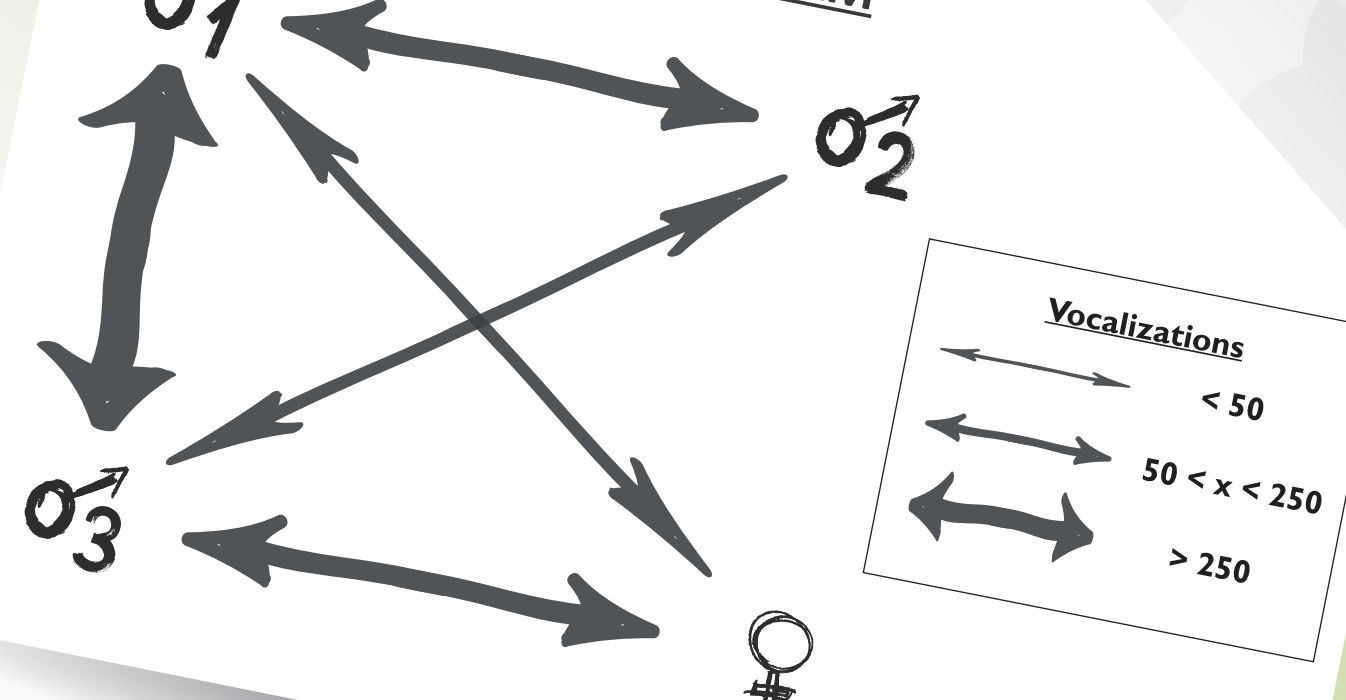
Tail-fan (TF), Wings display (WD), Tilting and trembling (TT), Perching on the common fence between the 2 aviaries (PCF), Soliciting food (SF), Feeding (F)...

SIMPLES EXCHANGES

Individuals vocalize one after the other



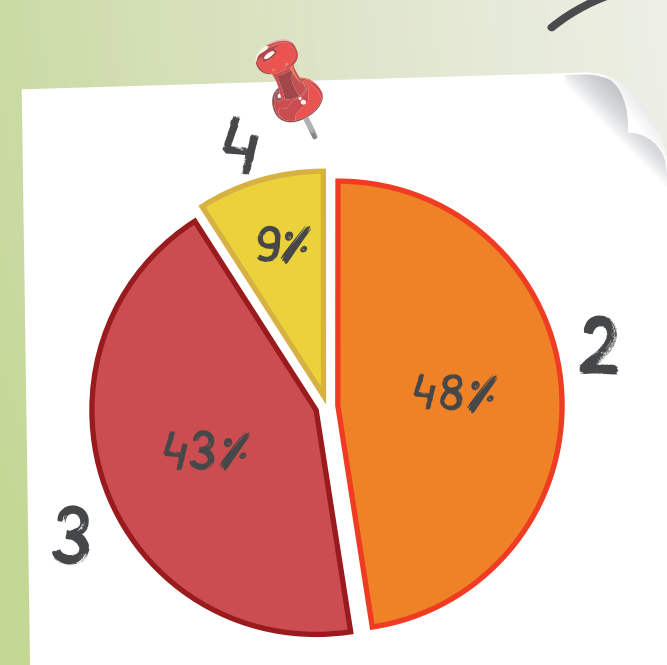
SOCIOGRAM



COMPLEX EXCHANGES

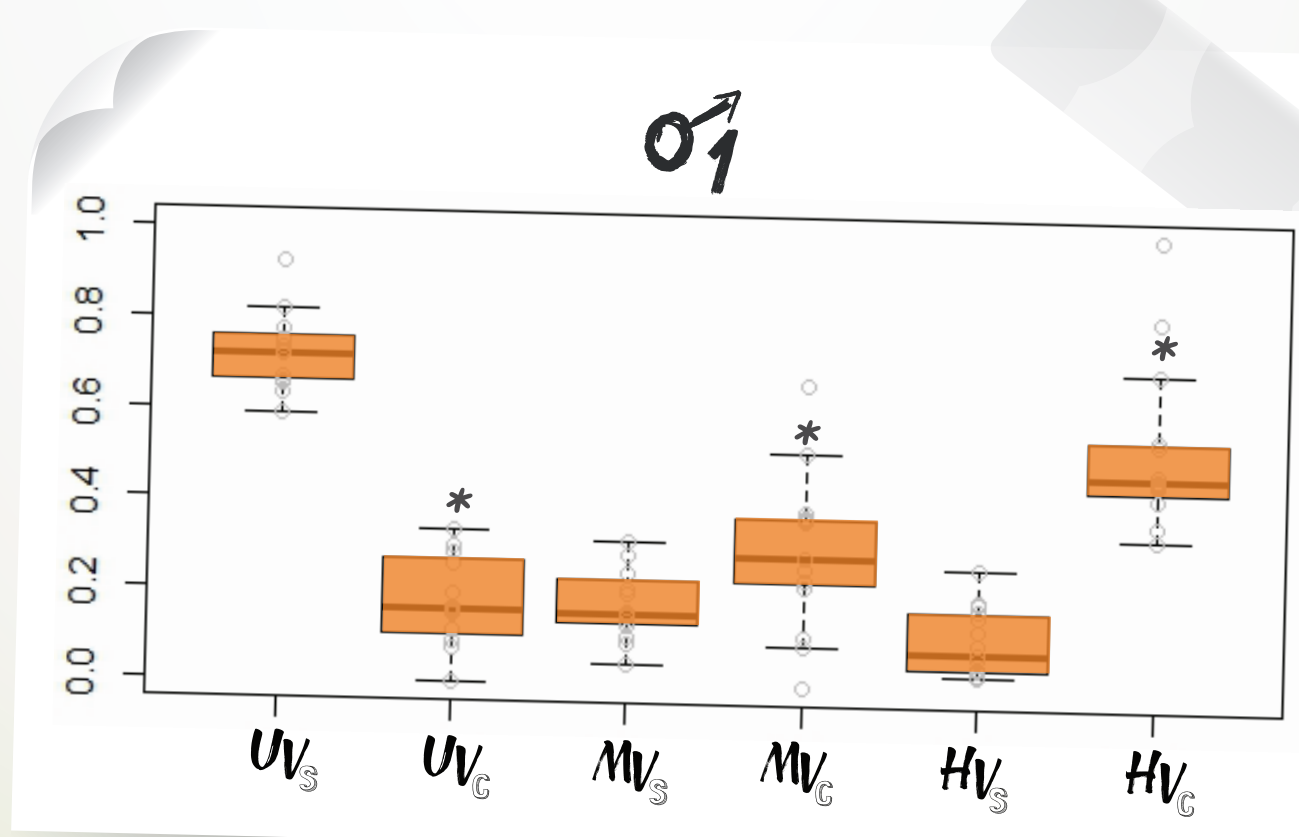
Individuals vocalize all together at the same

PROPORTIONS OF THE DIFFERENT TYPES OF VOCALIZATIONS BETWEEN SIMPLE (S) AND COMPLEX (C) EXCHANGES

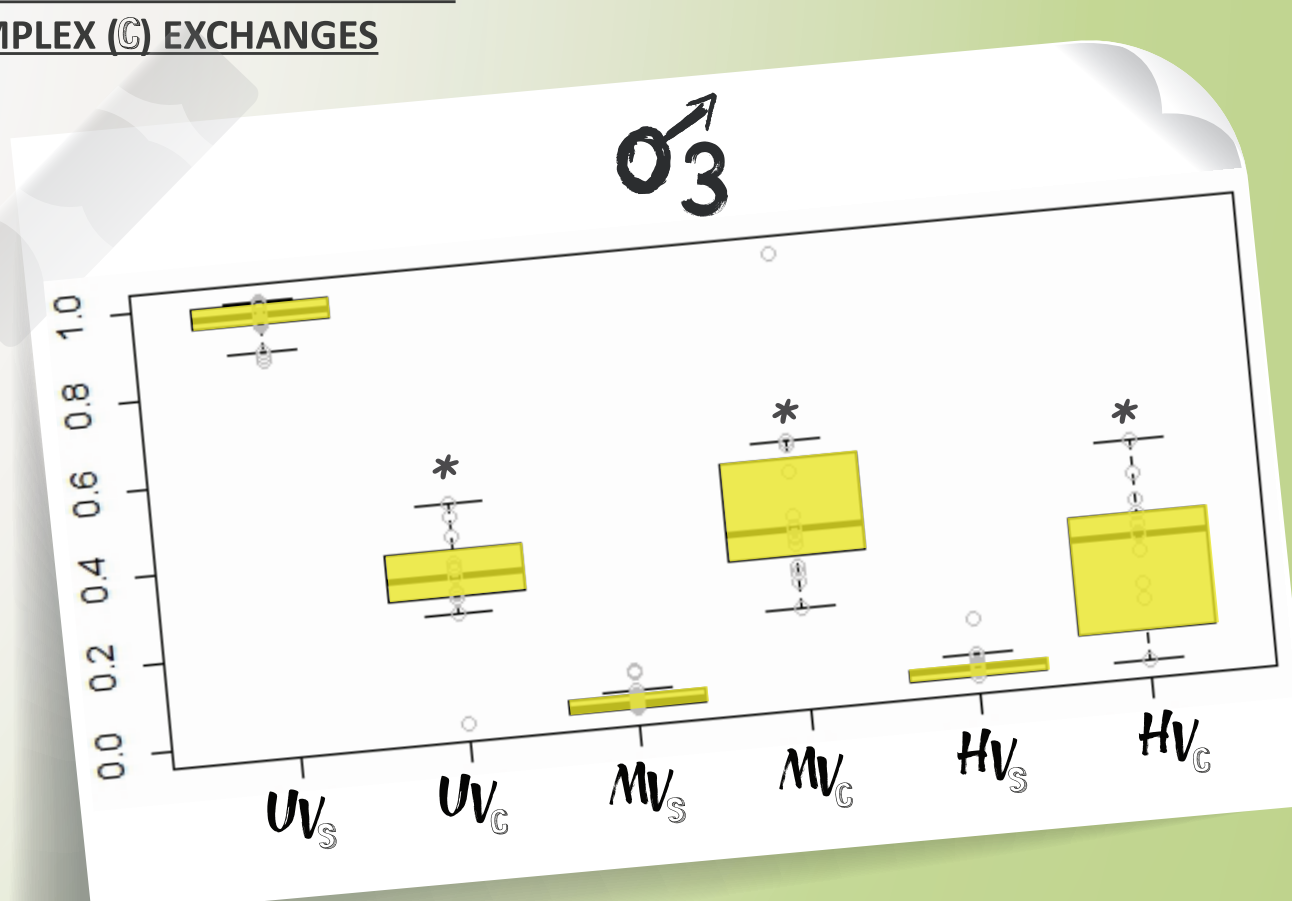


Number of participants in complex exchanges

σ_1 and σ_3 are the most active in complex exchanges (>90%)



*significant difference



BEHAVIOURS

Behaviour ↔ Vocalization

♀ WD ↔ UV

σ_1 TF ↔ HV

What happened in Lyon?

Individuals

σ_1 and σ_3
= principals actors

σ_2 and ♀
= no mutual interaction

Vocalisation

Simple exchanges
= UV

Complex exchanges
= MV and HV

Behaviour

σ_1 and σ_3 shows
threat behaviors (TF, WD)
→ Defense behaviour?

=
agonistic context

Behaviours of σ_1 and σ_3
reflect an agonistic context



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