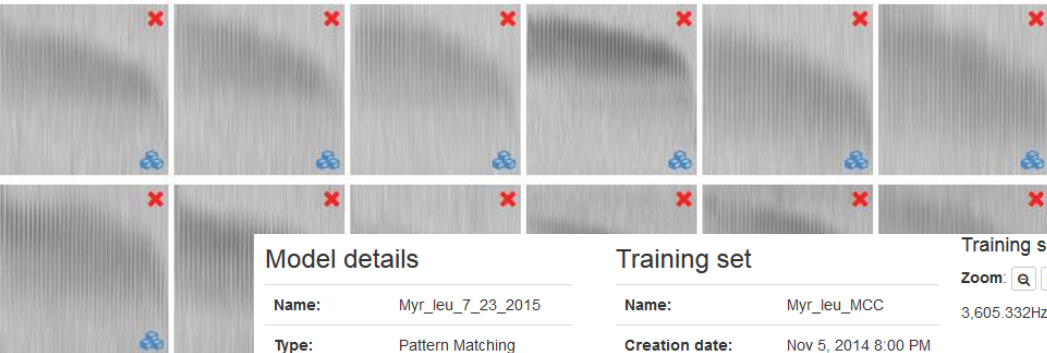


Results - Species classification

Name: Myr_leu_MCC **ROI Count :** 22 X

Species: Myrmoborus leucophrys **Sound:** Common Song

Previous 1 of 2 Next 🔍



Model details

Name: Myr_leu_7_23_2015

Type: Pattern Matching

Creation date: Jul 23, 2015 2:40 PM

Last updated: Jul 23, 2015 2:40 PM

Creator: Mitch Aide

Species: Myrmoborus leucophrys

Sound: Common Song

Training set

Name: Myr_leu_MCC

Creation date: Nov 5, 2014 8:00 PM

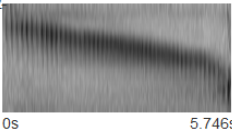
Pattern ROI Count: 22

Pattern Bandwidth: 2,149.082Hz

Training set pattern:

Zoom: 🔍 🔍

3,605.332Hz



1,456.25Hz- 0s 5.746s

Model validation details

Total validations used: 535

Present:	99	Absent:	436
In fitting:	49	In fitting:	386
In verification:	50	In verification:	50

Statistics

Accuracy: 0.69

Precision: 0.88

Actual	Predicted	
	P	A
P	22	28
A	3	47

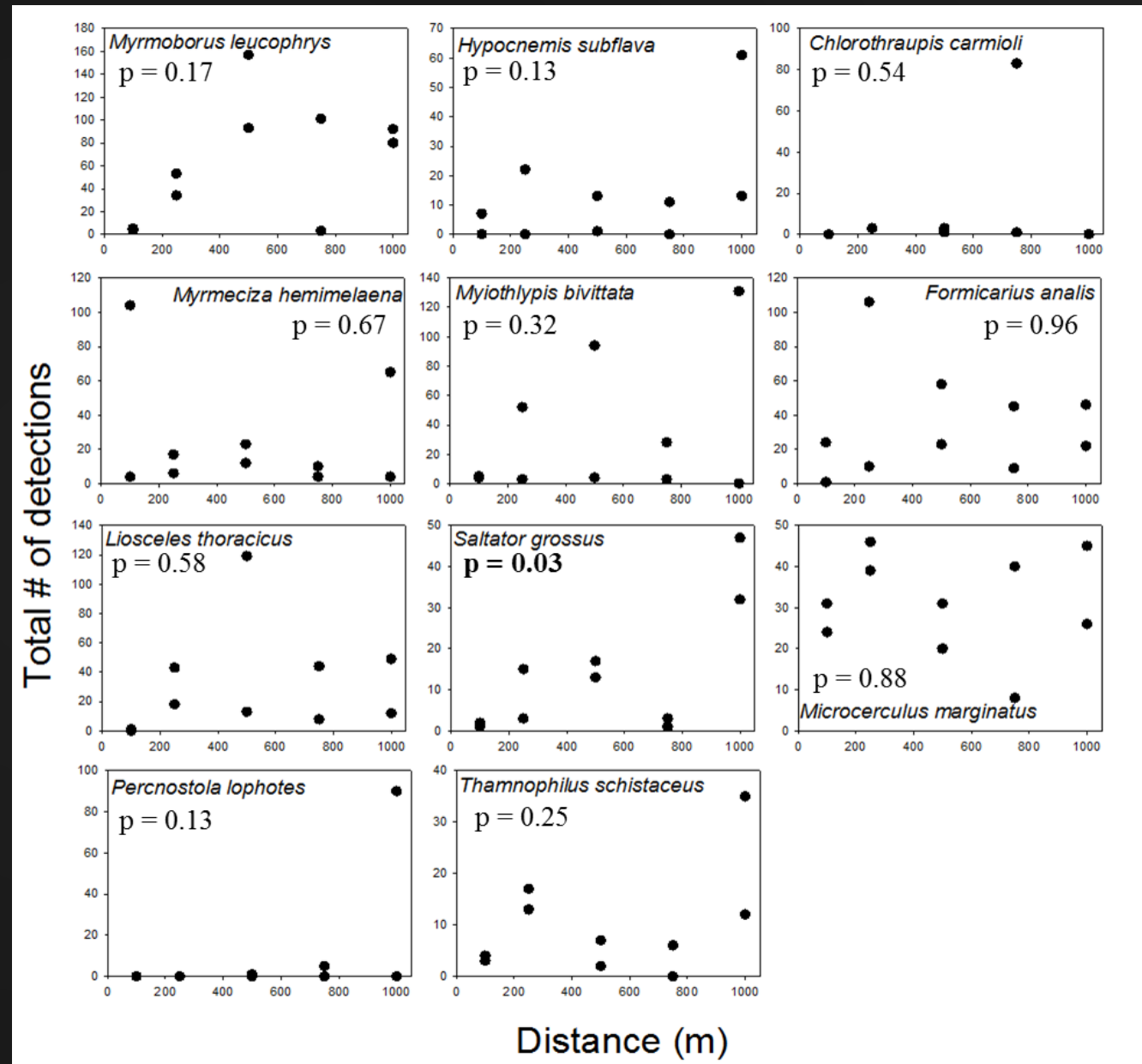
P = Present, A = Absent



Myrmoborus leucophrys

Results - Focal species

- Variation between species
- *Saltator grossus*



Benefits

- Establish biodiversity baselines for loud species
- Long-term detection and monitoring

Considerations

- Number of recordings matters
- Experts needed to initially identify species



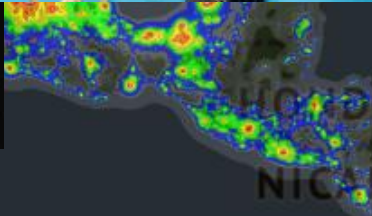
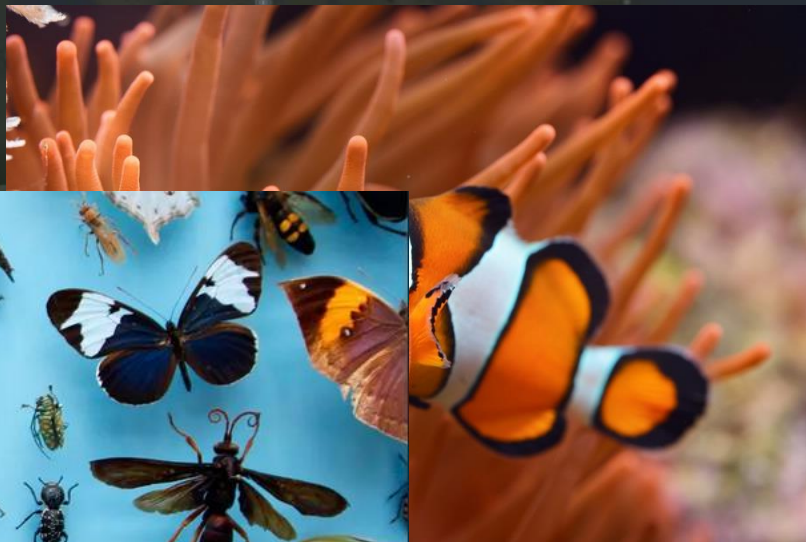
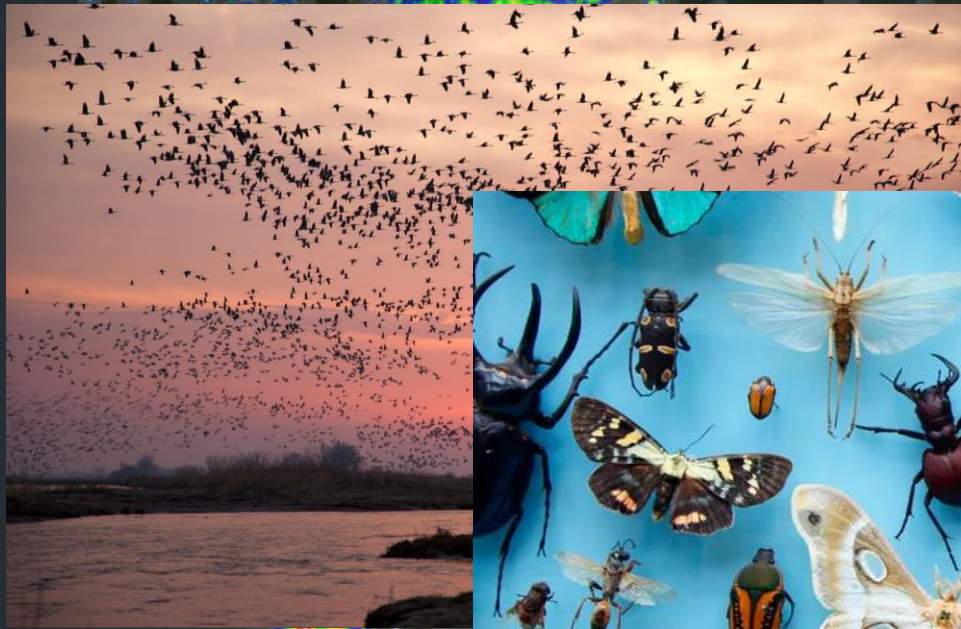


Questions

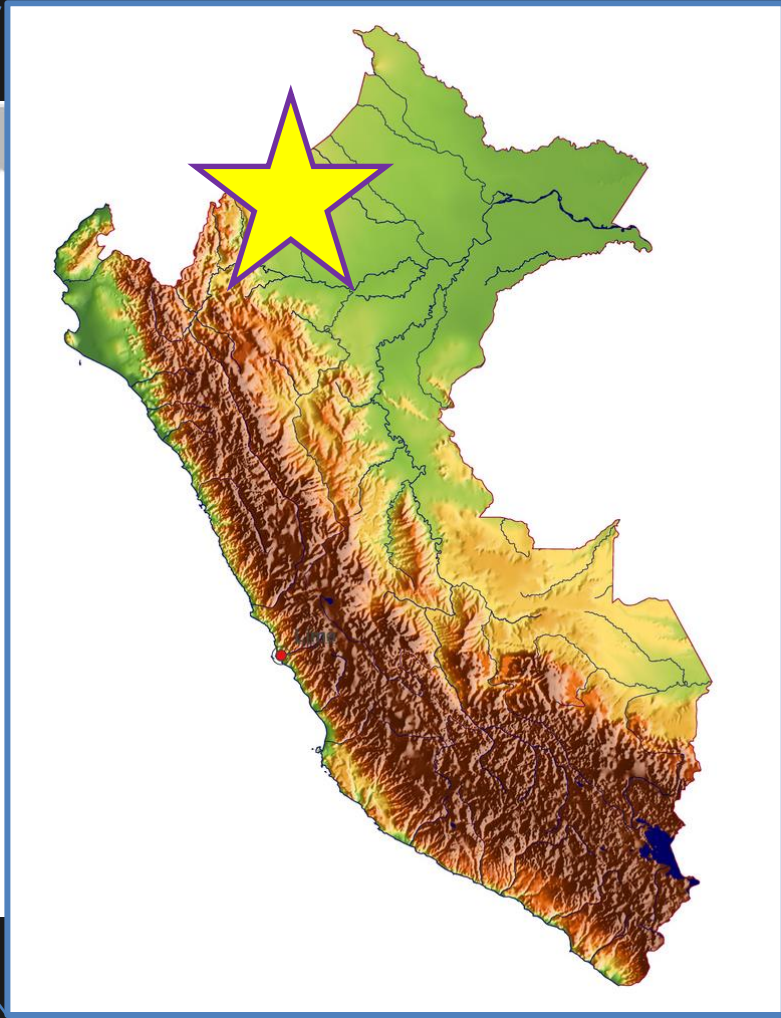




Artificial Light at Night





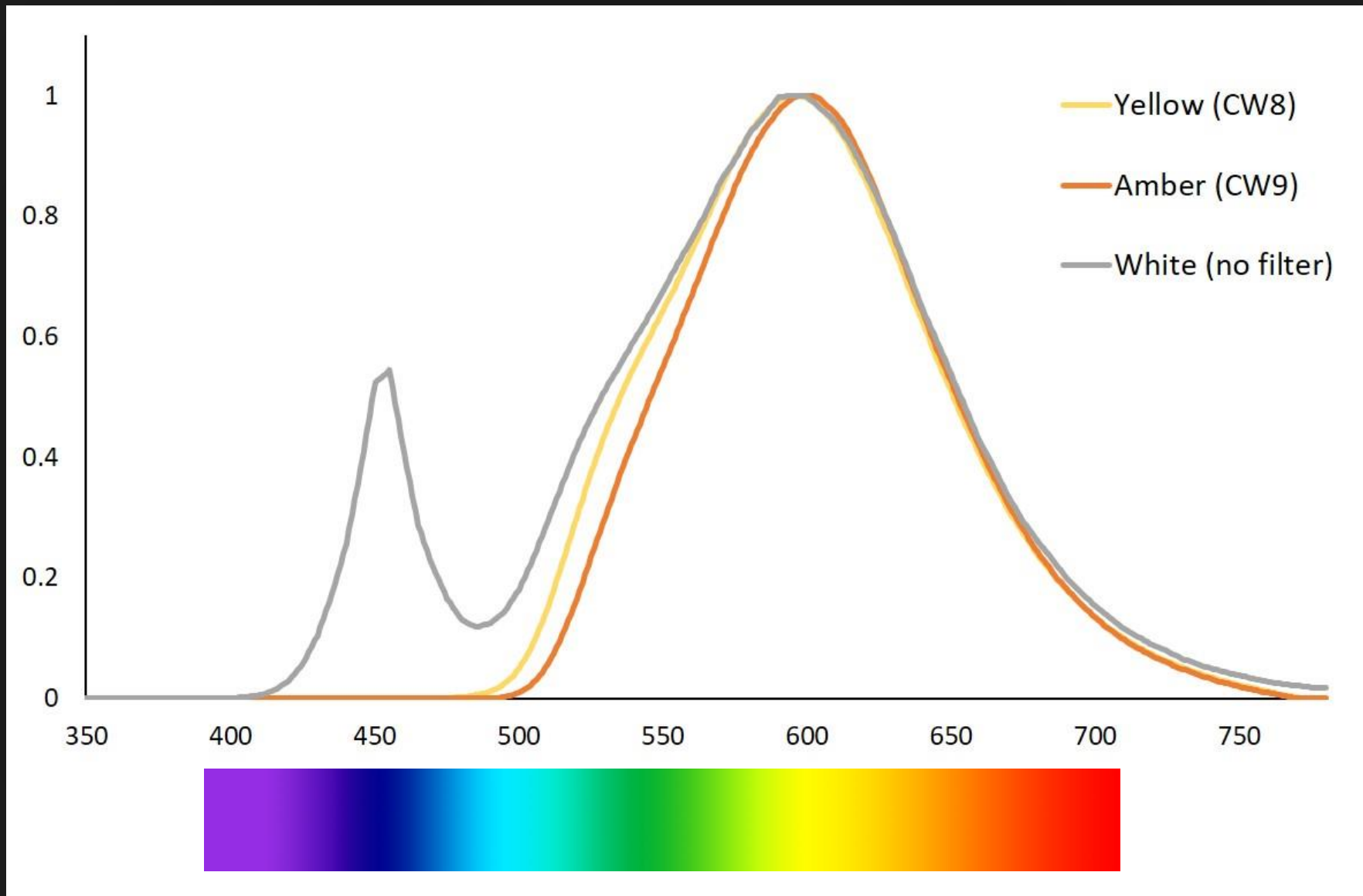




CW8

White

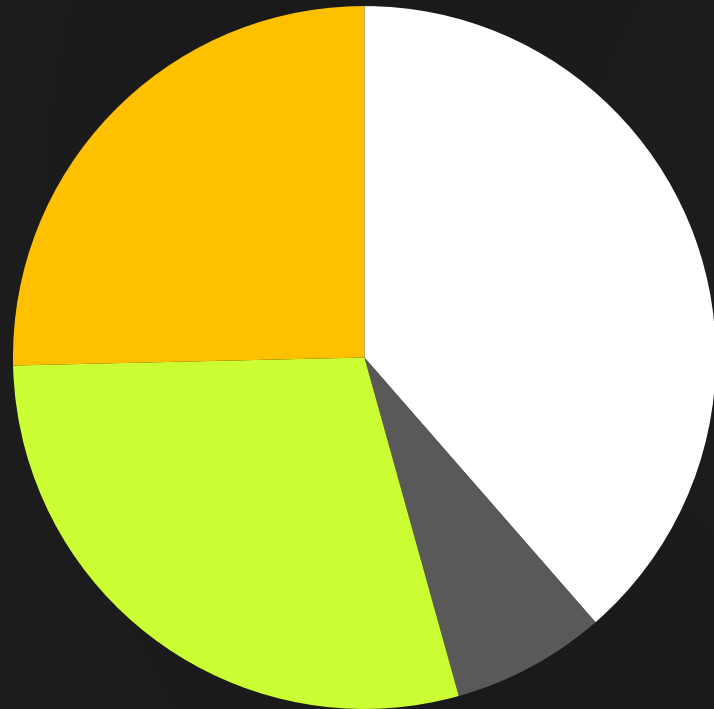
CW9



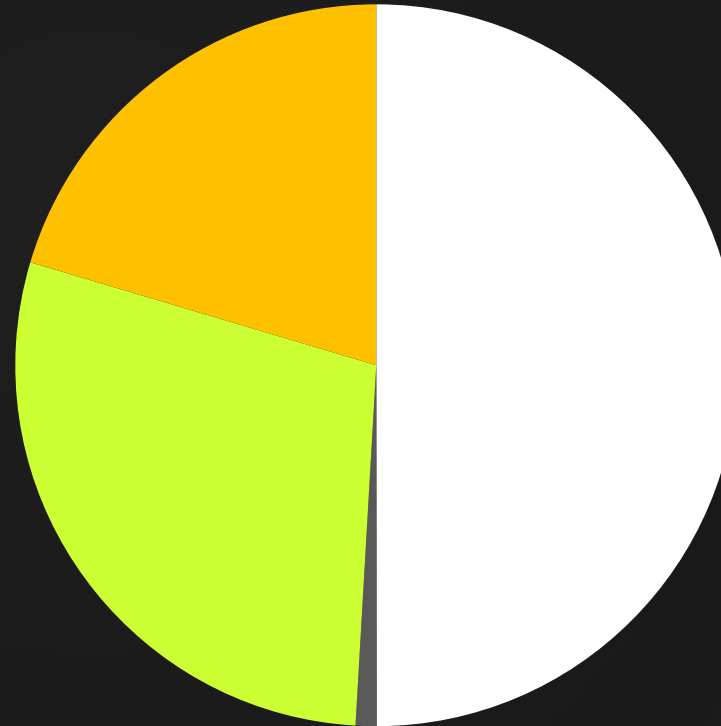


Results

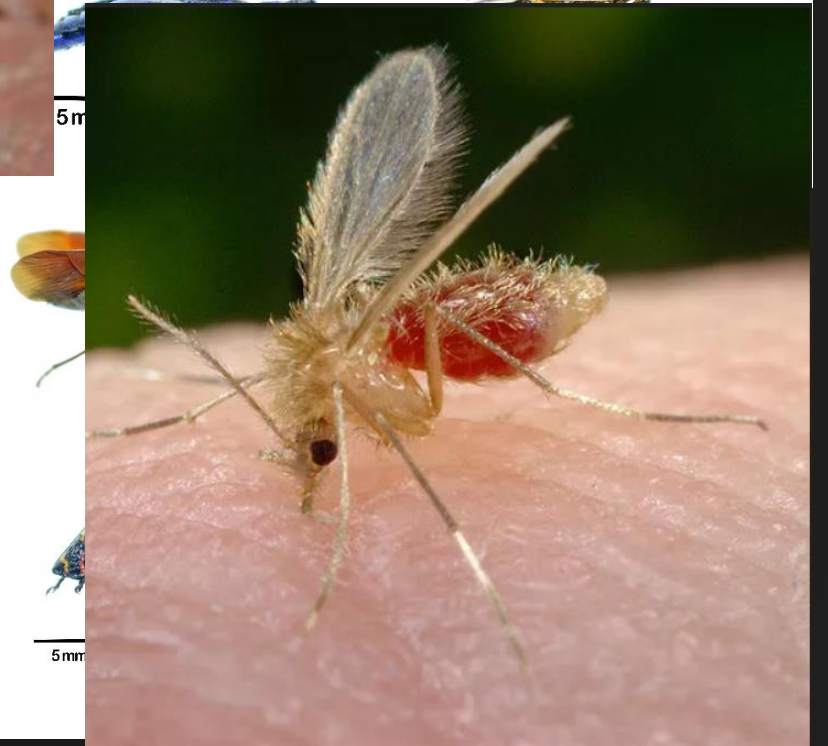
Morphospecies



Individuals



- Blanco
- Control
- CW8
- CW9



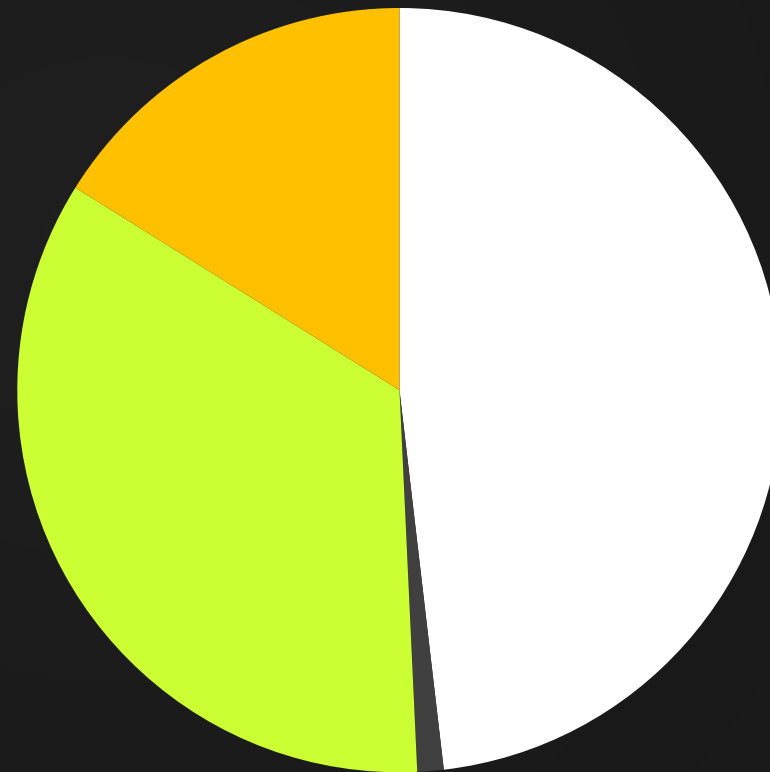
Results



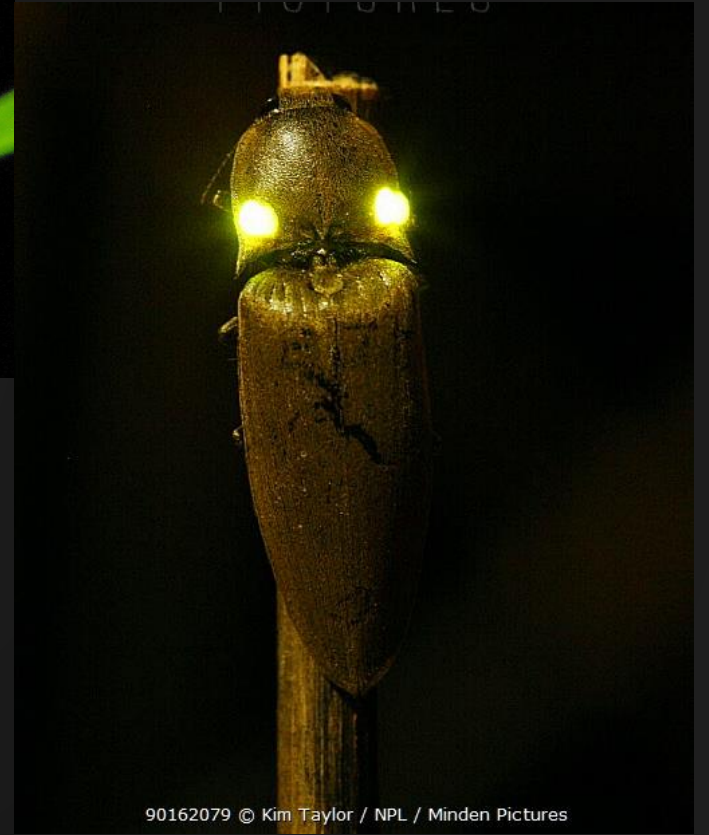
Morphospecies



Individuals



- Blanco
- Control
- CW8
- CW9



Recommendations

- Turn off lights
 - Amber-colored LED bulbs (<2700K)
 - Full cutoff fixtures
 - Motion detectors & dimmers

Benefits

- Reduces energy use & mitigates wildlife impacts
- Specific recommendations facilitate transition

Considerations

- Need to socialize amber lights
- No “silver bullet”



Questions

Acknowledgements

- Indigenous communities of Brasilia (Achuar-Morona) y Chiriap (Wampis-Morona)
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 - C&W Energy Solutions
 - Working Land and Seascapes, Conservation Commons, Smithsonian

Thank you!

Let's continue the discussion:

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