# Cognitive enrichments to lift the pod spirit!



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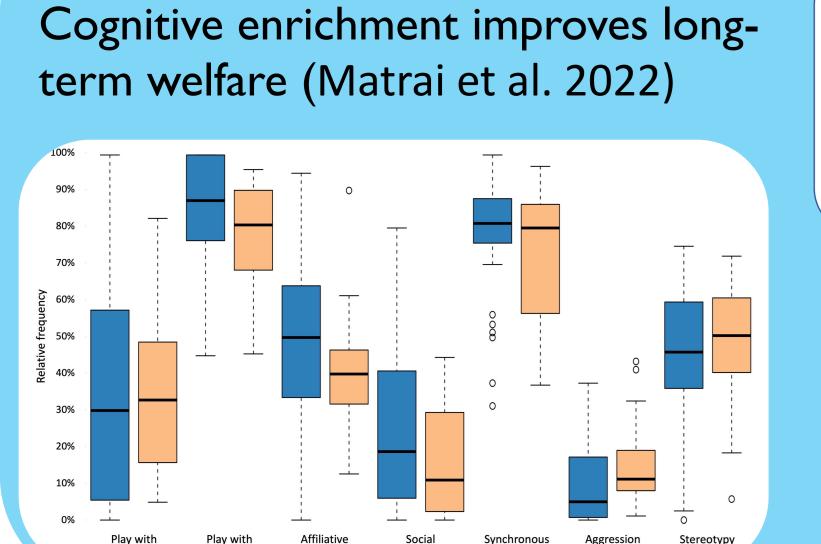
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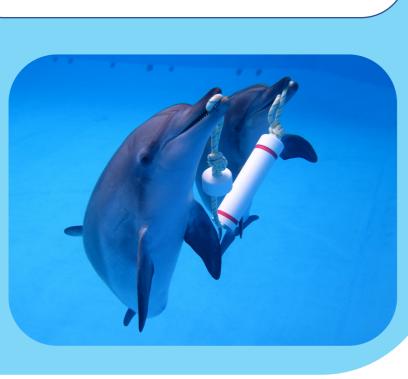
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# Introduction



What about short-term, welfare impact?



Matrai et al. 2022

# Methods

2 min

24 cognitive enrichment sessions



Pre-session VS Post-session with regular enrichments



Playful chase Cooperative play



Synchronous play

Mother-calf swim

Mother-calf swim

and play

# Conclusion

Synchronous

swim

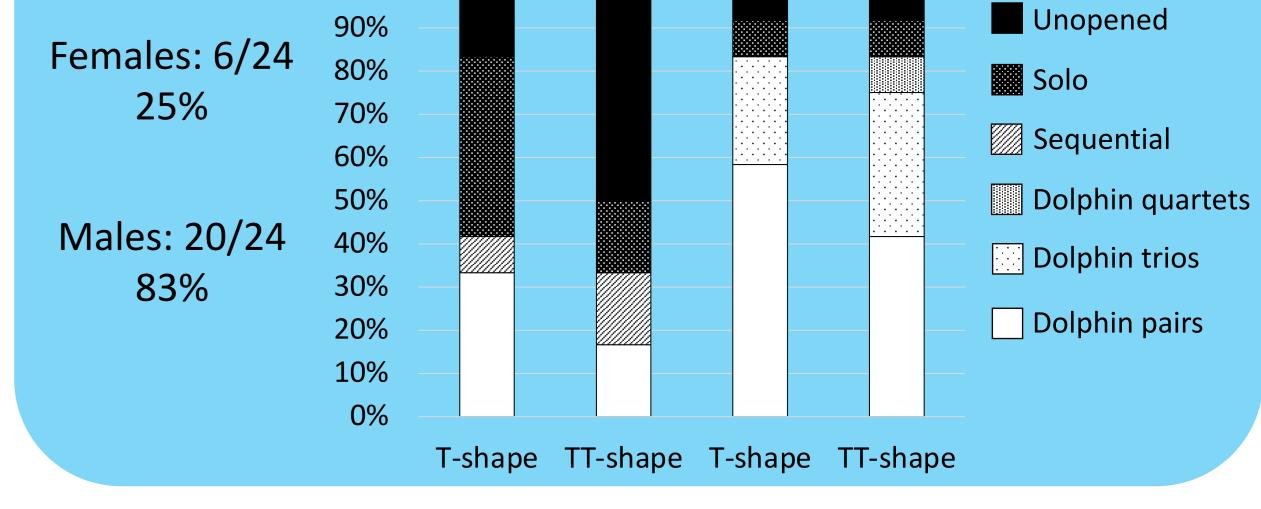
Our results further support the welfare value of the cooperative enrichments with an emphasis on the species and sex appropriate design for maximising welfare impact.

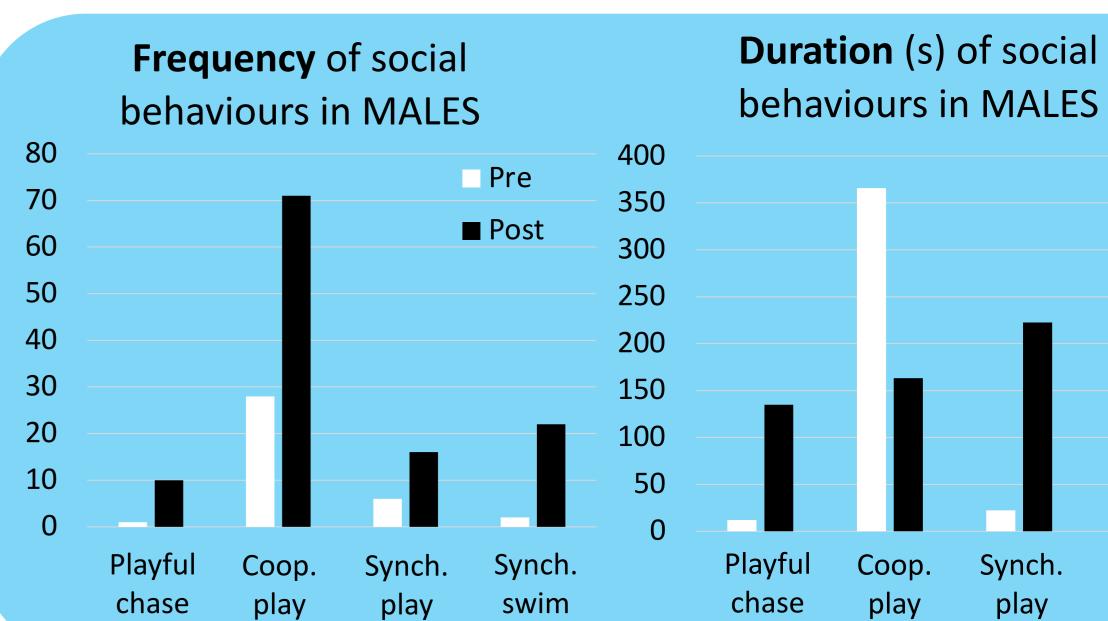
Male dolphins are more successful in cooperative problem-solving

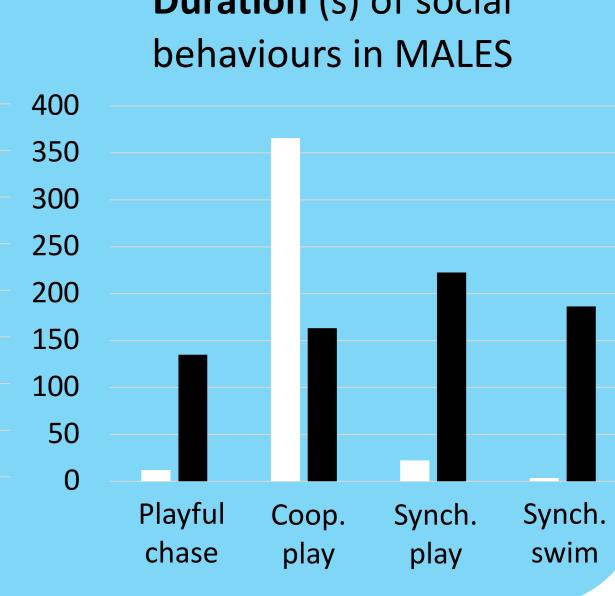
Post-session, the males engaged in affiliative interactions more frequently, longer and with multiple partners

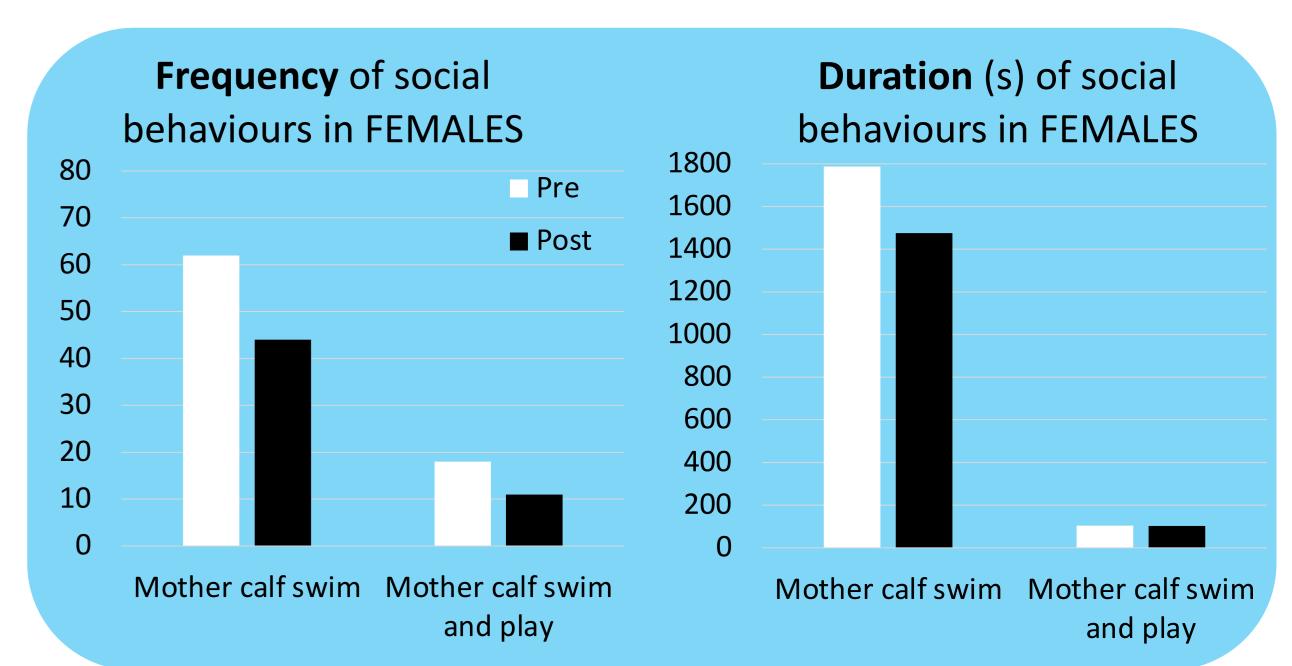


#### Results **Cooperative opening FEMALES** MALES









#### Acknowledgement

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### References

Matrai, E., Gendron, S. M., Boos, M. and Pogány, Á. 2022. Cognitive group testing promotes affiliative behaviors in dolphins. Journal of Applied Animal Welfare Science

Matrai, E., Kwok, S. T., Boos, M. and Pogány, Á. 2021. Cognitive enrichment device provides evidence for intersexual differences in collaborative actions in Indo-Pacific bottlenose dolphins (Tursiops aduncus). Animal Cognition, 24, 1215–1225