

With bubbles for a better life

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Industry Brokerage Event 2024

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AQUAEXCEL3.0



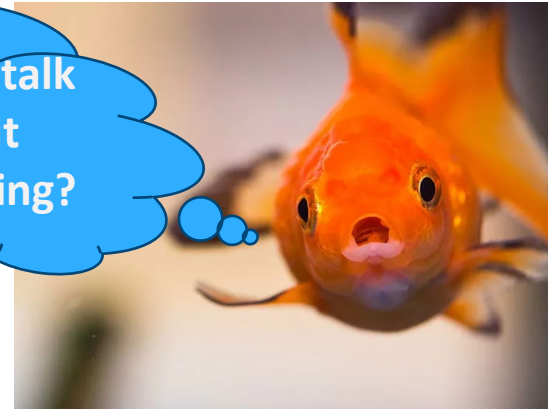
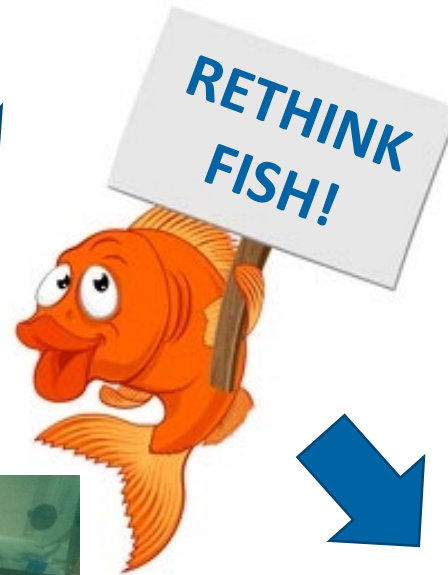
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KNOWLEDGE NEED

- Unfavourable culture conditions



- Environmental enrichment

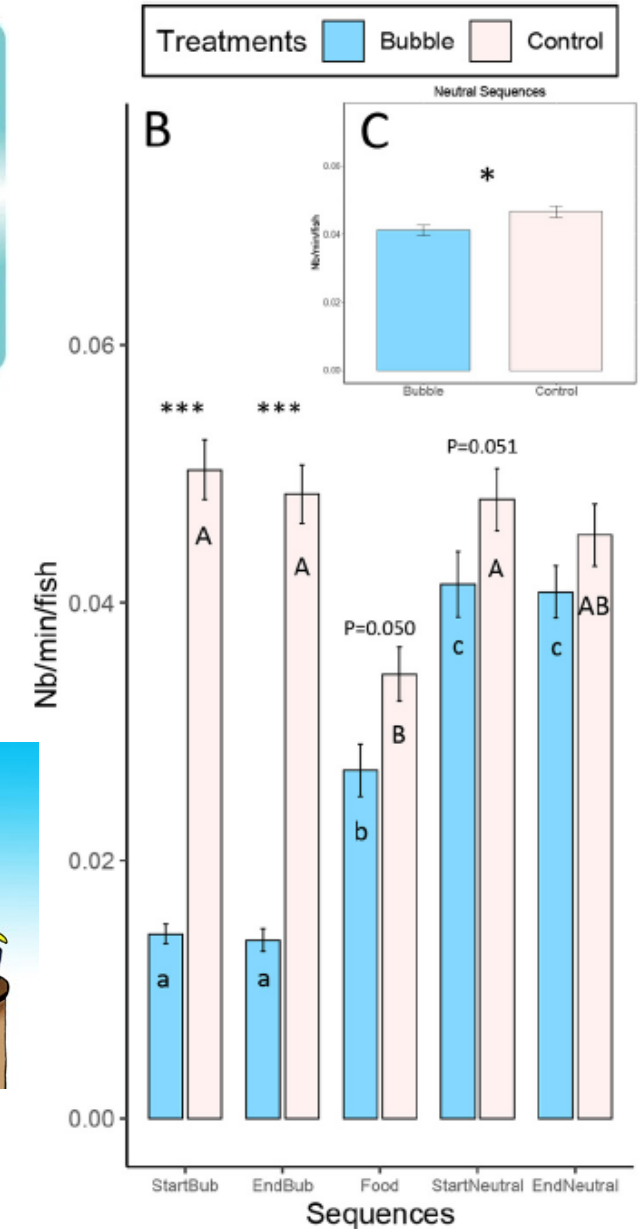


- Safe and easily applicable solution needed

SOLUTION (RESULT)

BUBBLES AS ENVIRONMENTAL ENRICHMENT

- Air diffuser positioned in the middle of the tanks
- Aggressive and abnormal behaviors reduced in rearing tanks
- Improved cognitive ability and stress-coping
- Our hypothesis confirmed: monotony reduced – occupational EE, tactile stimuli – sensory EE, physical EE → positive affective state, suggesting improved welfare
- no difference in growth rate, survival and cortisol level were found
- TRL5: Positive impact on behaviour of fry and fingerlings, but no information in the on-growing phase, more investigation is needed



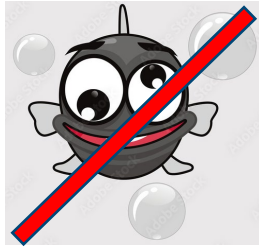
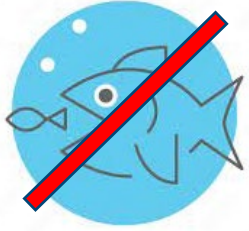
TARGET MARKET



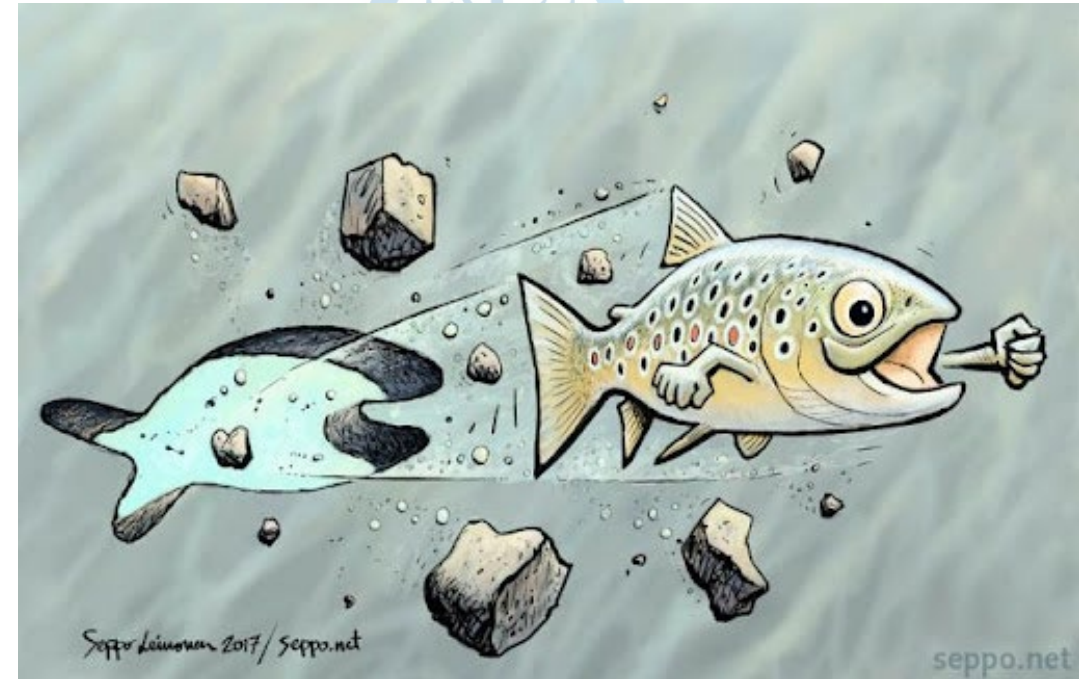
- **Researchers** from fields of ethology, animal welfare, aquaculture and conservation biology



IMPACT



IMPROVED WELFARE





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Thank you for your attention!

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