Acoustic techniques to study fish behaviour: Didson hi-resolution sonar

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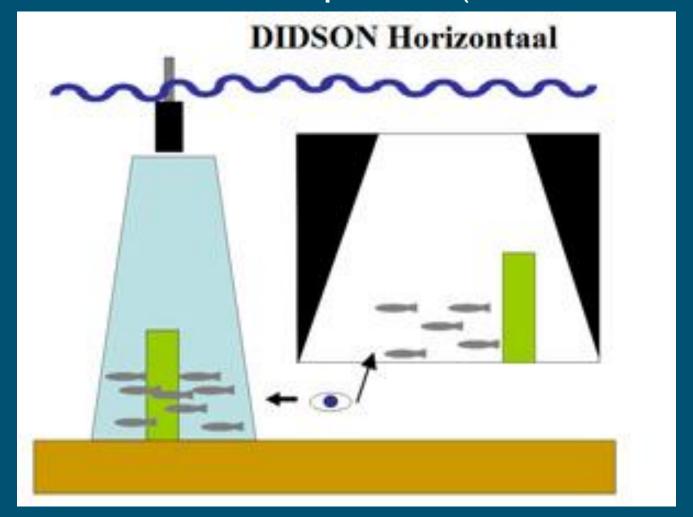
Acoustic techniques to study fish behaviour

- Observing small scale behaviour by DIDSON:
 - Dual frequency identification Sonar ('acoustic camera')
 - Highest resolution at 1.1 1.8 MHz range up to 30 m
 - Lower resolution at 700 kHz 1.2 MHz range up to 90 m

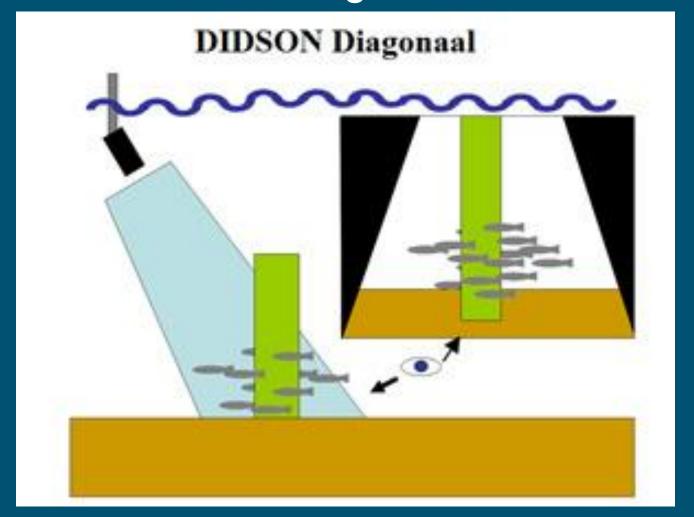




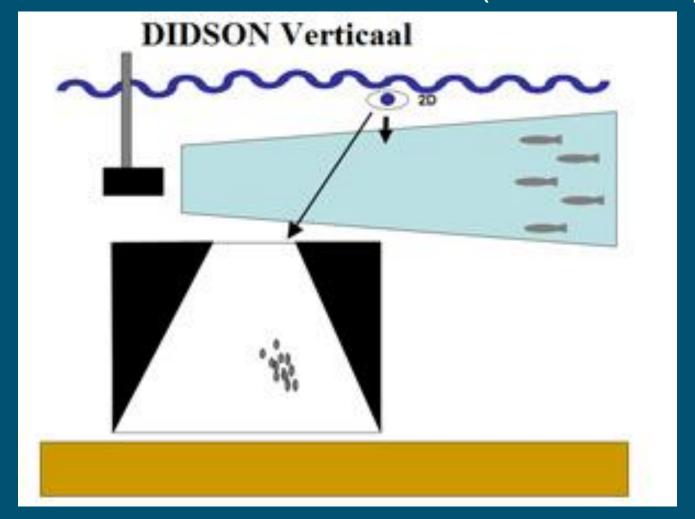
<u>Didson: schematic – top view (horizontal display)</u>



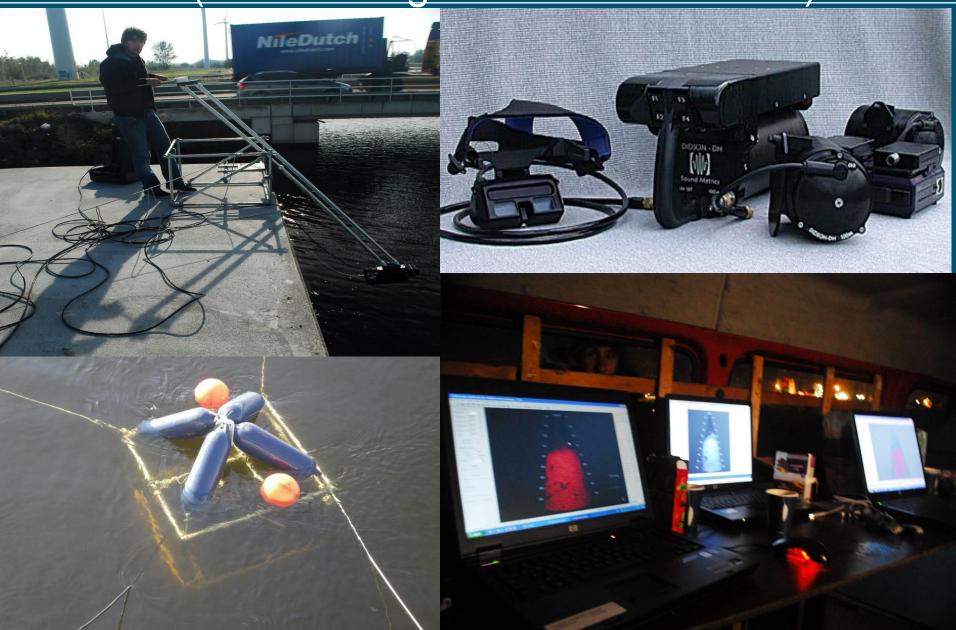
<u>Didson: schematic – diagonal view</u>



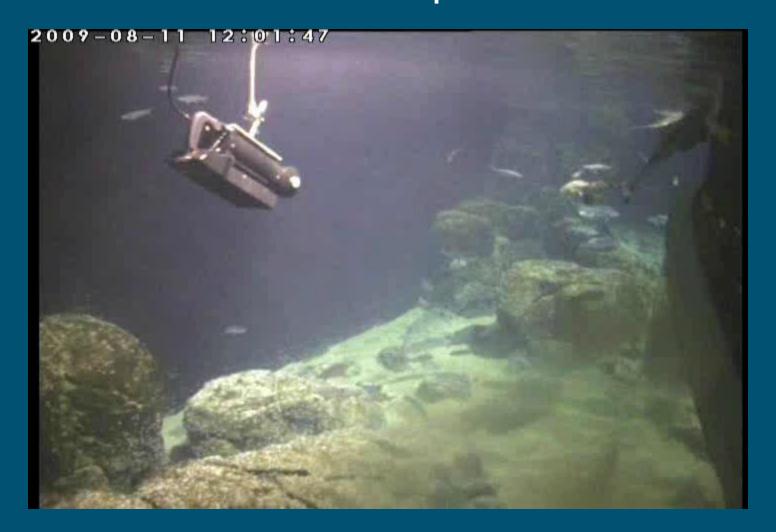
Didson: schematic – side view (vertical display)



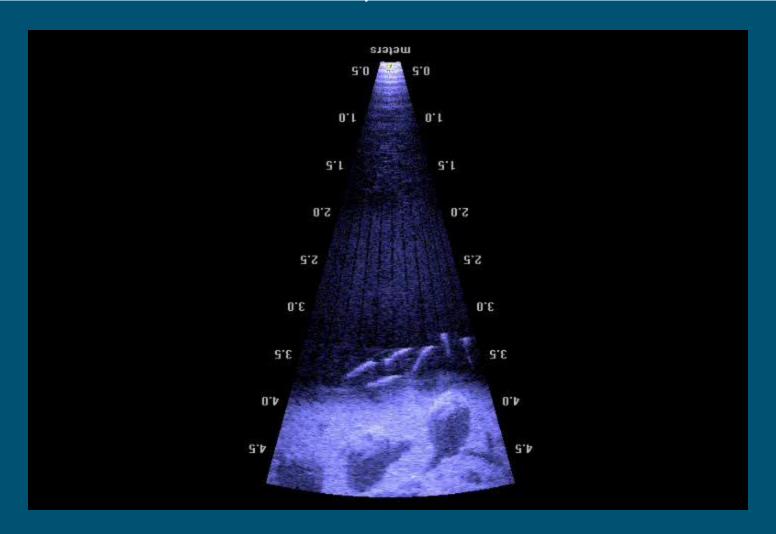
Didson (acoustic high resolution camera)



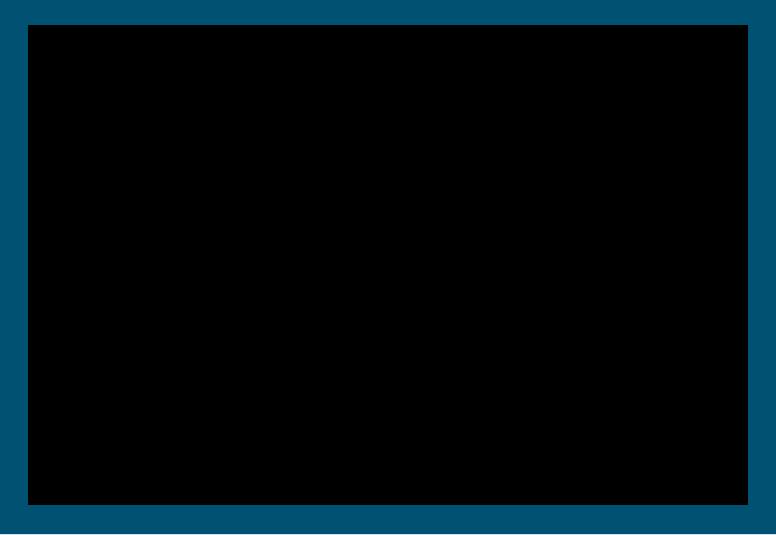
Didson: underwater set-up DIDSON camera



Didson: school of fish, sand bottom & bolders



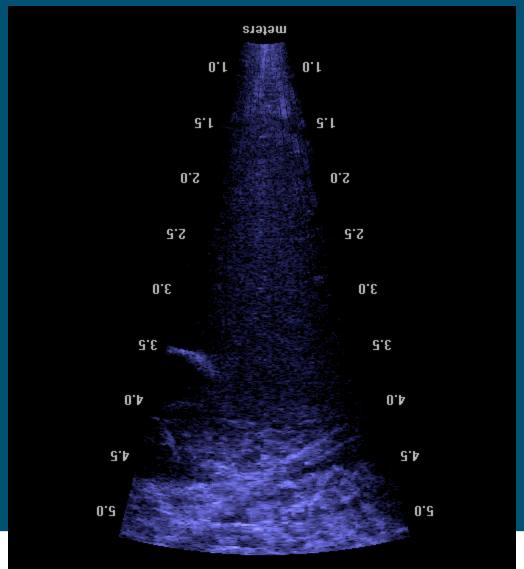
Didson: Fish and ray



Didson: Bream near wall



Didson: School of bream



Didson: Silver eel & fish predation at trash rack

