

ELECTROTRAWLS

impact on marine organisms

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Gasoil consumption

3 L per kg fish sold

€ >30% of earnings

Discards per kg fish sold

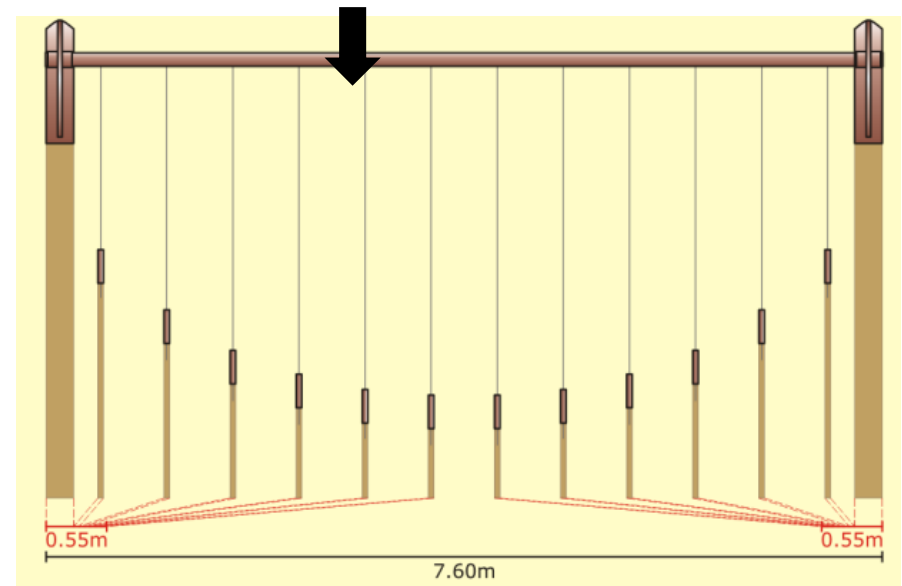
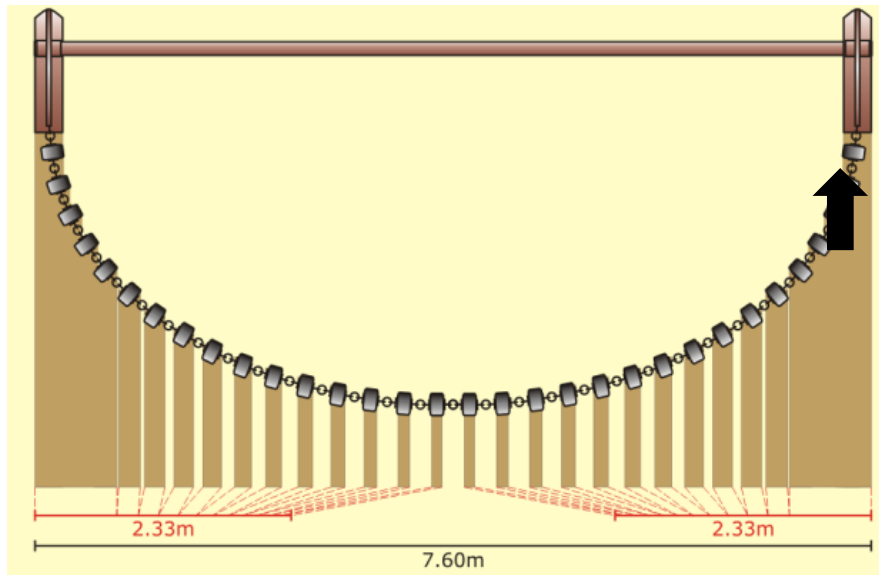
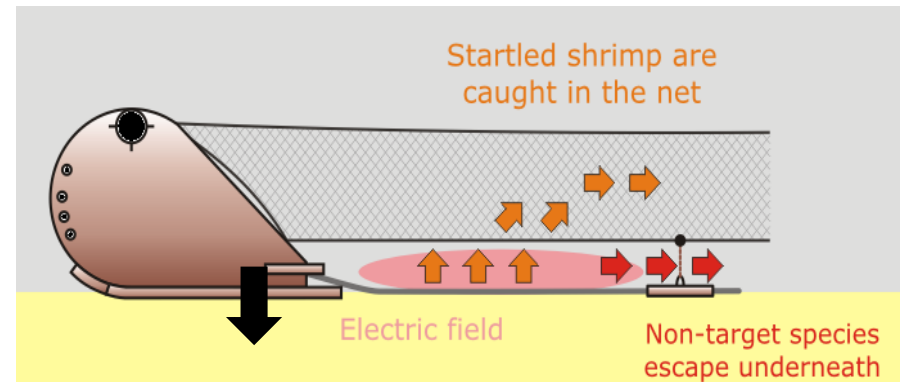
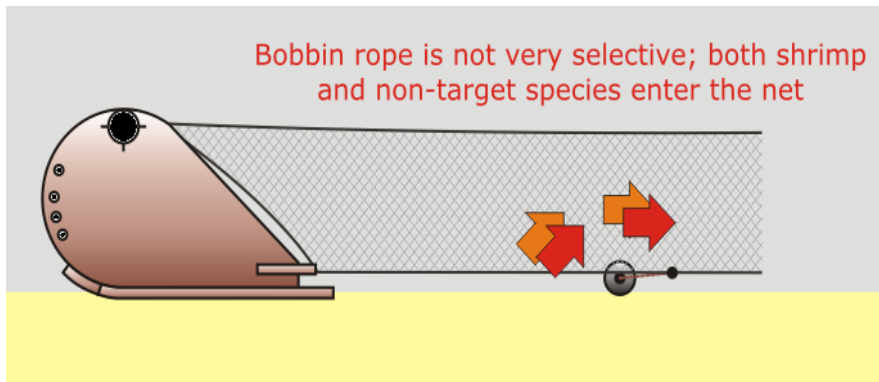
1,5 kg dead fish

3 kg benthos



Bottom contact

Tickler chains penetrate up to 8 cm in the seabed



Electrotrawl shrimp: startle



Discards: 35% ↓

Bottom contact: 75% ↓

Catches: ↑ in clear water

Electrotrawl flatfish: cramp







Discards: 50% ↓

Fuel Consumption: 50% ↓

Bottom contact intensity ↓

Effects

- No increased mortality for 20 invertebrate species (molluscs, echinoderms, crustaceans and polychaetes)
- No increased mortality nor injuries for: sole, plaice, dogfish, shrimp, sandworm
- Cod showed spinal injuries in the field
=> how avoid this unwanted side-effect?
- Unknown effects on electrosensitive species
- Unknown effects on eggs and larvae