

New Approved Selective gears

DAG Meeting
6th November 2019

New Approved Selective Gears



During 2019 MMO, MS and DAERA introduced newly approved selective gears

Designed to give industry more options to help them meet the demands of the landing obligation.

Revised Tech Con Regs will also give fishermen more options to improve selectivity.

New Approved Selective Gears



Benthos release panel

Seltra

Flip up rope

Flip Flap Trawl

Flemish panel

Sep Nep

Cefas net grid

Eliminator Trawl

Net grid selectivity Device

Square mesh panels

New Approved Selective Gears

Net Grid.

1 -‘Net grid selectivity device’ means a selectivity device consisting of a four panel section inserted into a two-panel trawl with an inclined sheet of diamond mesh netting with a mesh size of at least 200mm, leading to an escape hole in the top of the trawl.

2 -‘CEFAS Netgrid ’means a Netgrid selectivity device developed by The Centre for Environment, Fisheries and Aquaculture Science for catches of Nephrops in the Irish Sea;

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Net Grid.

Defined as a Net Grid selectivity device developed by The Centre for Environment, Fisheries and Aquaculture Science for catches of Nephrops (*Nephrops norvegicus*) in the Irish Sea.

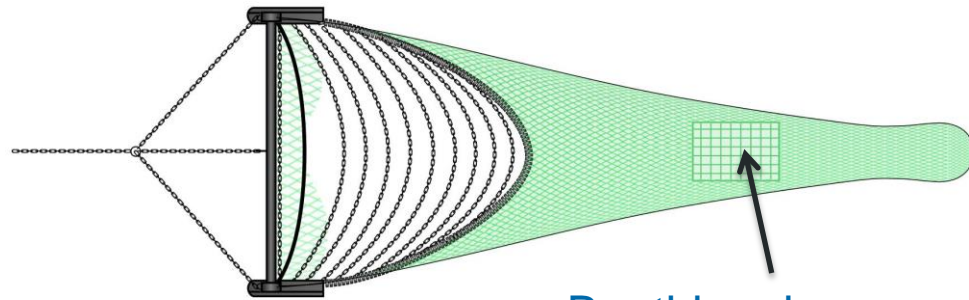
The Net Grid comprises a wall of netting within the trawl that creates a physical barrier to whitefish while allowing the passage of Nephrops through to the cod end.

Specifications to be read along with the illustrations below:

1. The net grid must be situated between the cod end and the existing square mesh panel.
2. The net grid must be fixed within a four-panel box section ("the box section"), which must be inserted into the two panel trawl.
3. The net grid must be positioned at an incline, at the upper end of which, on the top of the box section, there must be a triangular fish escape hole, the base of which must be 28 meshes wide and formed by cutting along the bar from the outer ends till the sides meet.
4. The netting barrier must be laced to the top and both sides of the box section.
5. The lower end of the netting barrier must be laced to the bottom of the box section for 300mm from the relevant selvedge (each bottom outside corner) towards the centre.
6. The net grid must be constructed of not more than 99mm mesh of twisted twine and attached in a square mesh orientation in parallel with the box section.
7. Two rigid pipes must be (loosely) attached vertically, either side of the net grid on the outside of the box section. These pipes may be unclipped to hang free on the trawl in order to facilitate being wound onto the net drum during hauling.

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Benthos release panel.
or benthic release panel



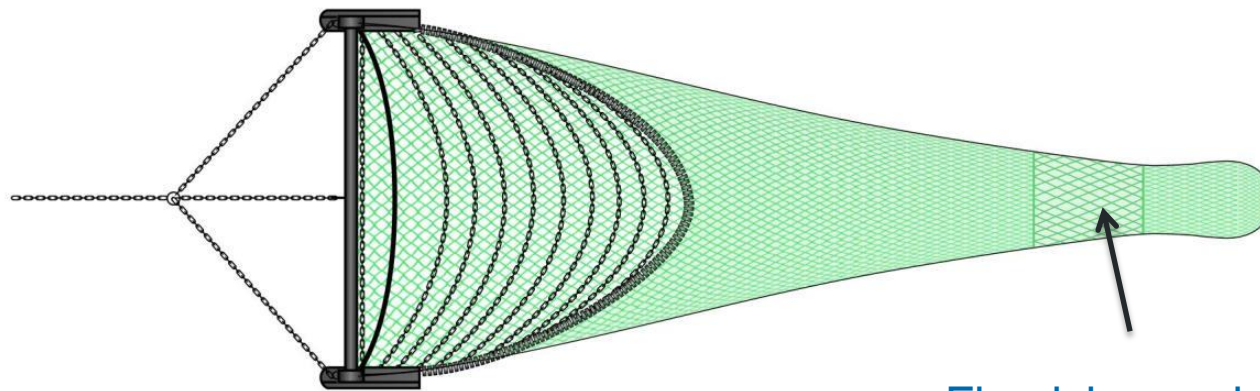
Benthic release panel

A panel of larger diamond mesh or square mesh fitted in the lower belly of the beam trawl to release benthos and small fish out through the bottom of the trawl.

A flip up rope is allowed in certain fisheries as an alternative.

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Flemish Panel.

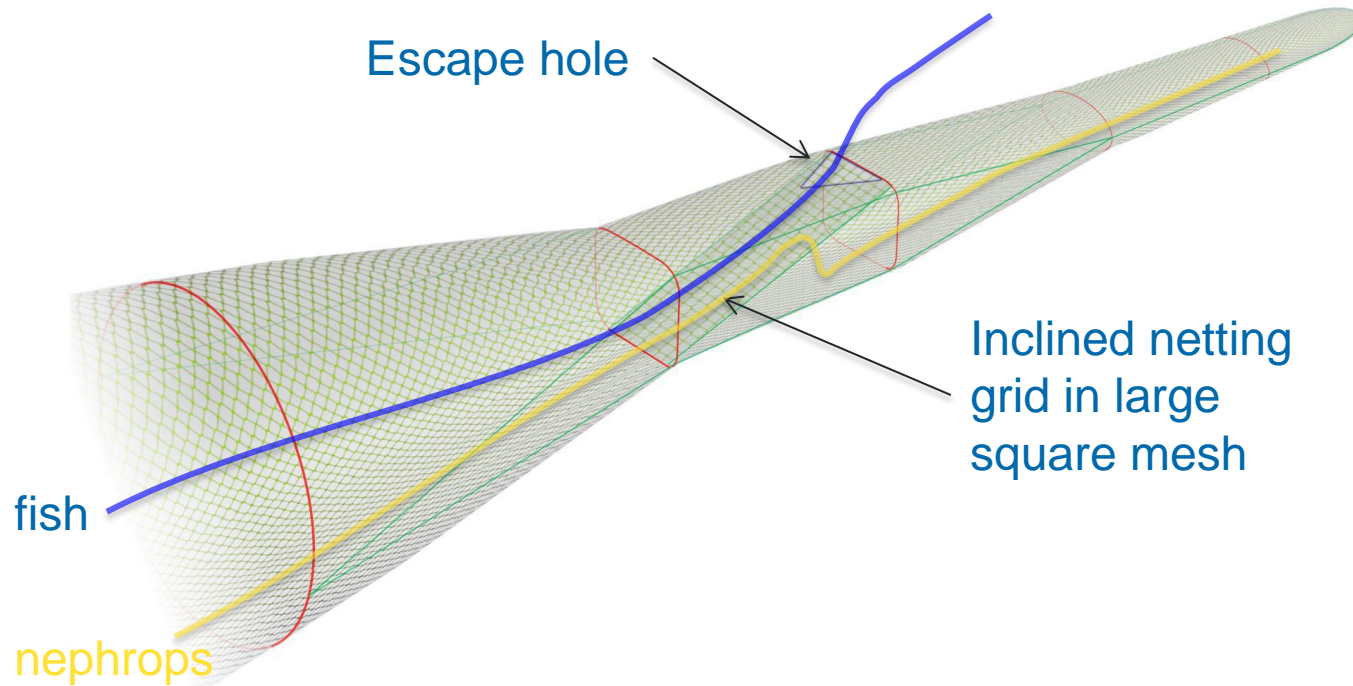


Flemish panel

A 3 metre long section of 120mm netting in the top and bottom panels of a beam trawl just ahead of the codend..

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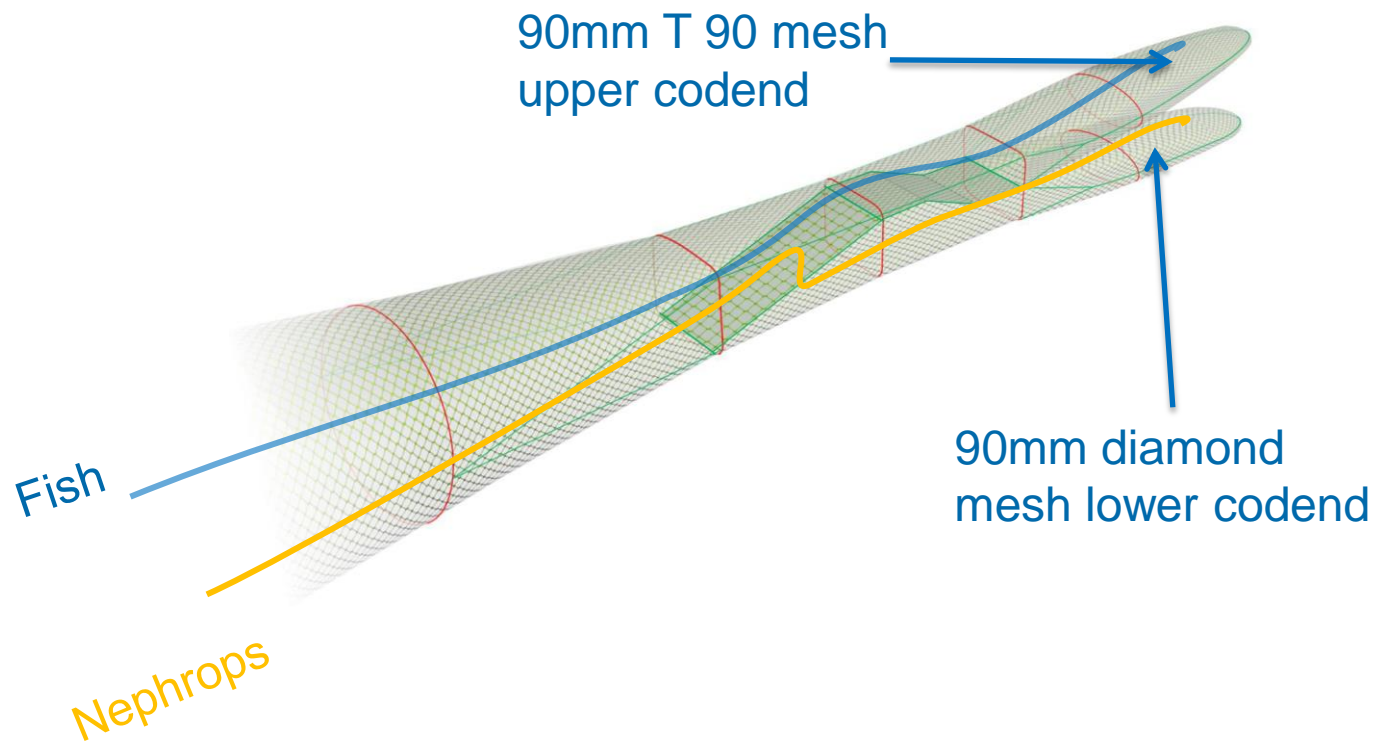
CEFAS net grid.



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Amity Net Grid.

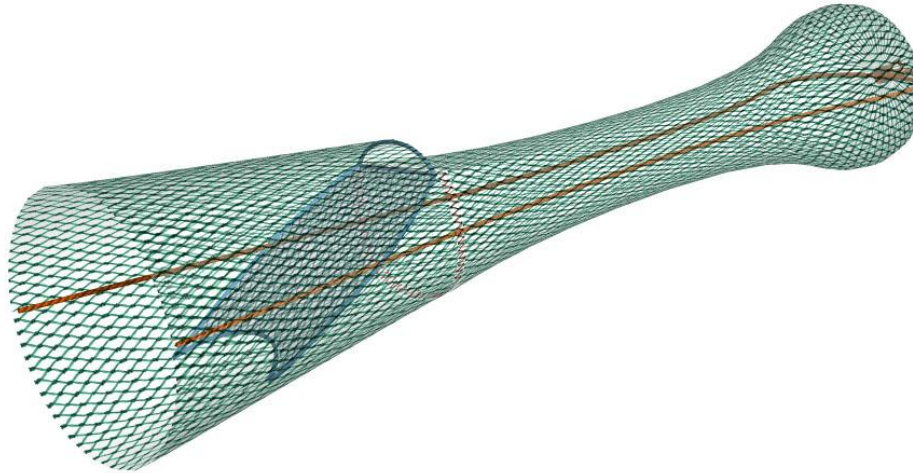
Referred to as Dual Codend in the Irish Sea



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Net Grid Selectivity device.

This gear did create some confusion.

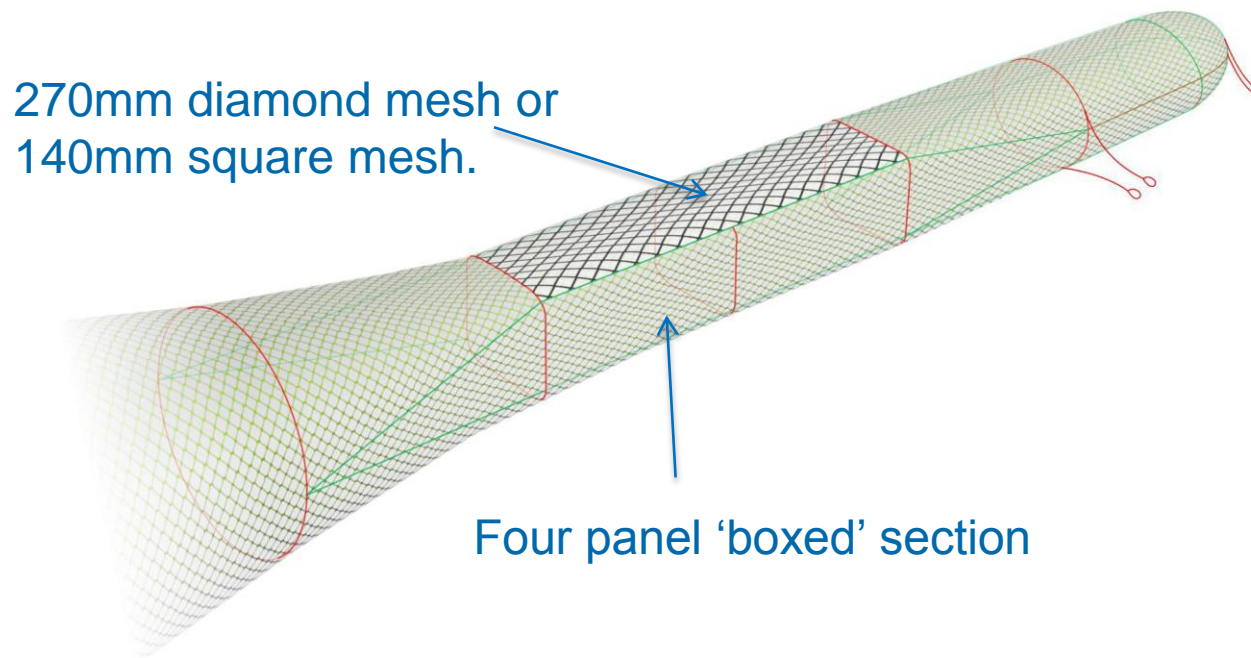


Inclined Separator Panel

Developed by BIM about 12 years ago, and approved for use in the Irish Sea as a cod reduction device.

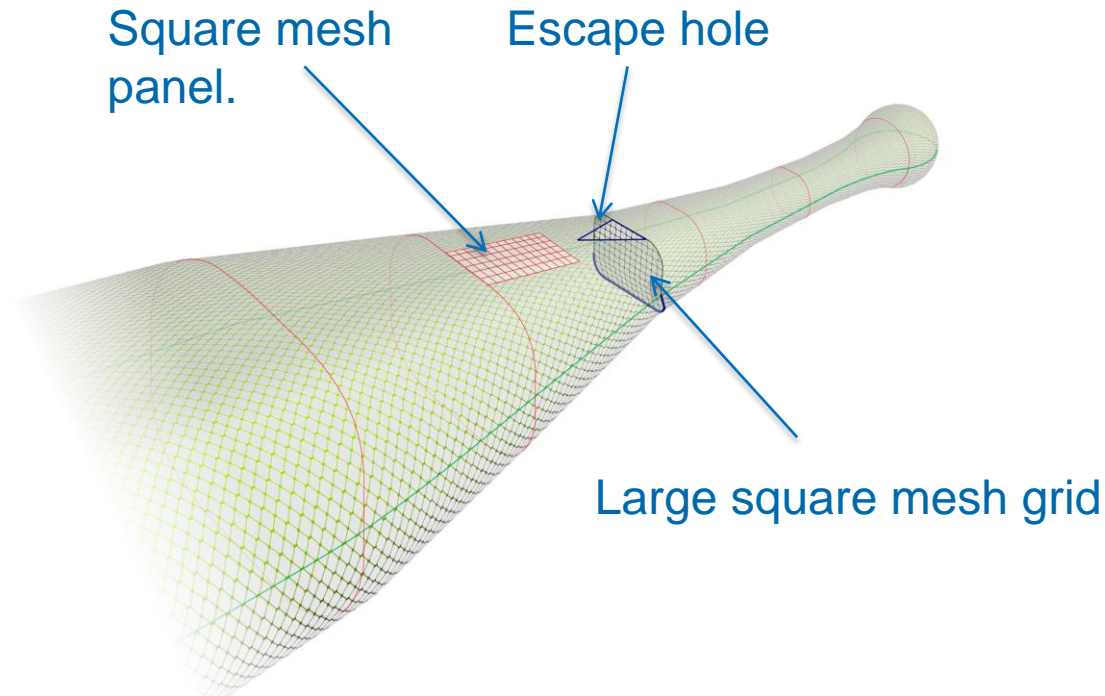
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SELTRA codend



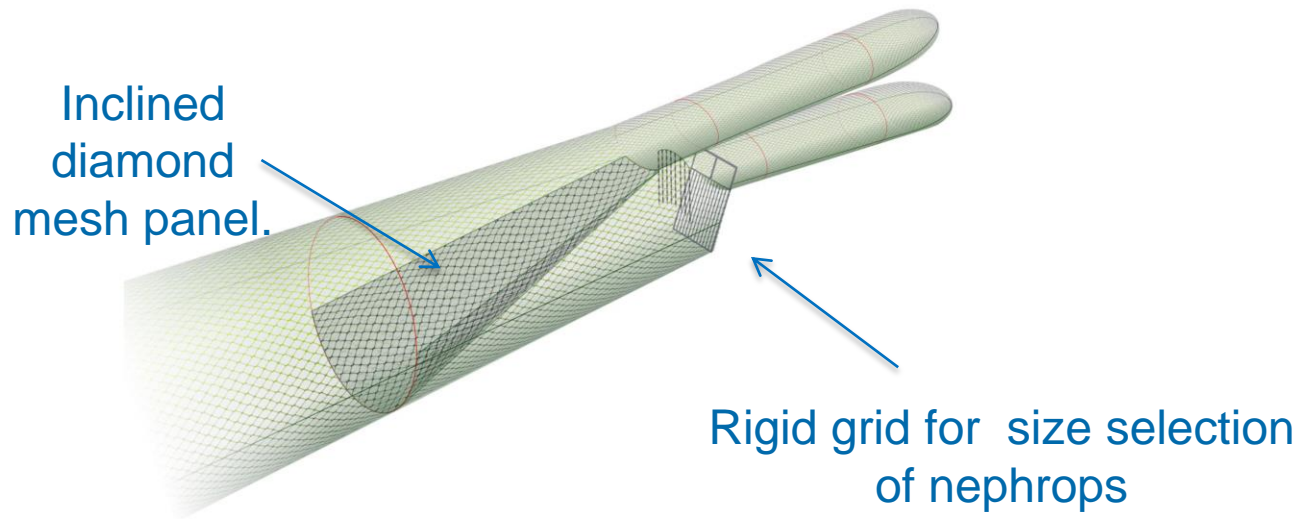
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Flip –Flap trawl



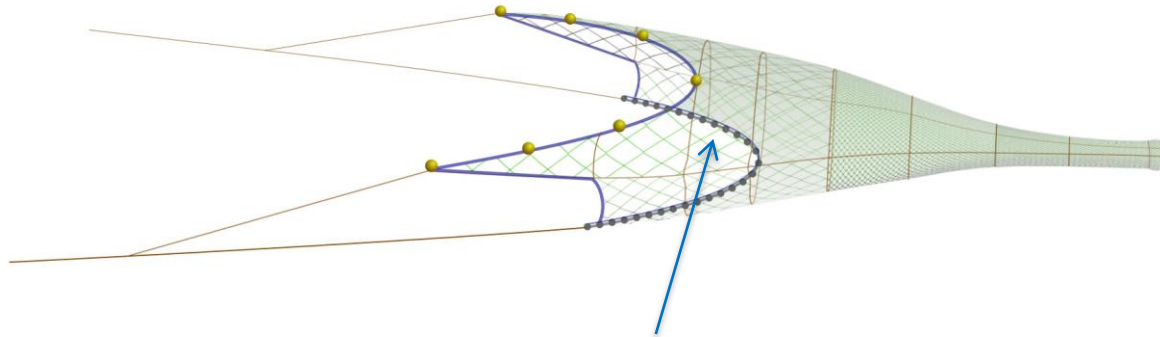
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Sep - Nep trawl



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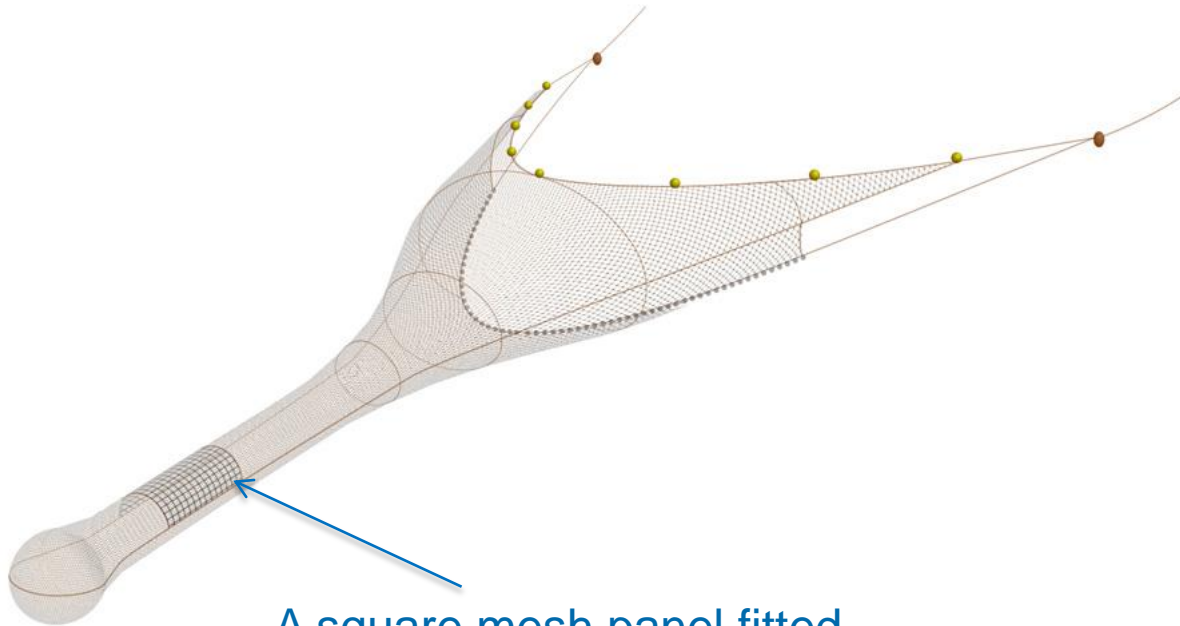
Eliminator trawl



Large mesh panels in the
forward area of the trawl

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Square mesh panels



A square mesh panel fitted
into the top panel of a trawl

Mike Montgomerie
Gear Technologist
Seafish

Thank you.