

Worldfishing

INFORMING THE GLOBAL FISHING INDUSTRY

Global warming equals less fish

The UN Environmental Programme has released a report stating that climate change is emerging as the latest threat to the world's dwindling fish stocks.

The report 'In Dead Water' suggests that at least three quarters of the globe's key fishing grounds may become seriously impacted by changes in circulation as a result of the ocean's natural pumping systems fading and falling.

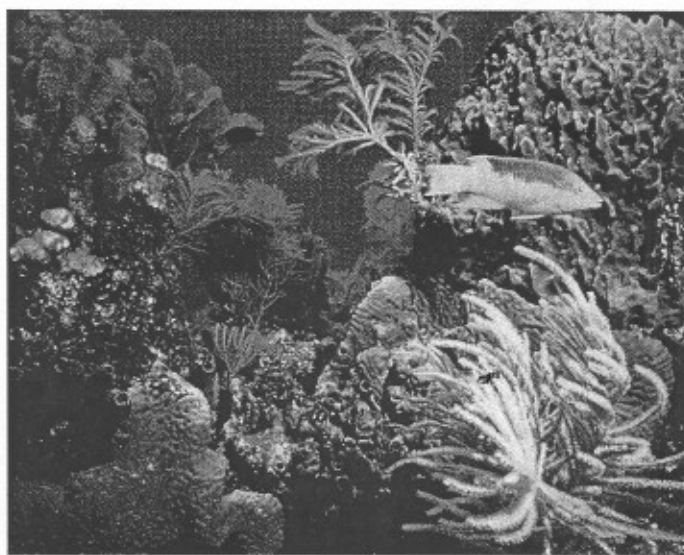
These natural pumps, dotted at sites across the world, including the Arctic and the Mediterranean, bring nutrients to fisheries and keep them healthy by flushing out wastes and pollution.

The report also states that the impacts of rising emissions on the marine world are unlikely to end there. Higher sea surface temperatures over the coming decades threaten to bleach and kill up to 80 per cent of the globe's coral reefs, natural sea defences and also nurseries for fish.

Meanwhile there is growing concern that carbon dioxide emissions will increase the acidity of seas and oceans. This in turn may impact calcium and shell-forming marine life including corals, but also tiny ones such as planktonic organisms at the base of the food chain.

"The worst concentration of cumulative impacts of climate change with existing pressures of over-harvest, bottom trawling, invasive species infestations, coastal development and pollution appear to be concentrated in 10-15 per cent of the oceans," says the report.

This 10-15 per cent of the oceans is far higher than had previously been supposed and is "concurrent with today's most important fishing grounds"



■ Up to 80 per cent of the globe's coral reefs are at risk of dying due to higher sea surface temperature

including the estimated 7.5 per cent deemed to be the most economically valuable fishing areas of the world, it adds.

Other key findings of the report include:

- Half the world's catch is caught along Continental shelves in an area of less than 7.5 per cent of the globe's seas and oceans.
- An area of 10-15 per cent of the world's seas and oceans cover most of the commercial fishing grounds.
- 80 per cent to 100 per cent of the world's coral reefs may suffer annual bleaching events by 2080 under global warming scenarios.
- Those at particular risk are in the Western Pacific; the Indian Ocean; the Persian Gulf; the Middle East and in the Caribbean.
- Over 90 per cent of the world's temperate and tropical coasts will be heavily impacted by 2050. Over 80 per

cent of marine pollution comes from the land. Marine areas at particular risk of increased pollution are Southeast and East Asia.

- Up to 80 per cent of the world's primary fish catch species are exploited beyond or close to their harvesting capacity. Advances in technology, alongside subsidies, means the world's fishing capacity is 2.5 times bigger than that needed to sustainably harvest fisheries.
- Bottom trawling is among the most damaging and unsustainable fishing practices at the scales often seen today.
- Alien invasive species, which can out-compete and dislodge native ones, are increasingly associated with the polluted, over-harvested and damaged fishing grounds. The report shows that the concentration of 'aliens' matches with some precision the world's major shipping routes.

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outskirts of Riga, combining its two offices and one workshop to create a single, company-designed factory. The company says that the new factory allows it to become more efficient while developing and implementing equipment or completing plant projects from design through to production, with complete assembly and testing before shipment.

SEAC's brand new mechanical nobbing machine, FPM-200, has just been delivered to Russia and the redesigned filleting machine for very small fish (the former ARENCO SFD-300) has become a worldwide success due to its ability to fillet fish down to 50 fish/kilo. The company claims that the machine can do 10 times more than manual filleting and gives better and nicer looking fillets than if the filleting is done by hand. These machines are installed in Sweden (vendance), Latvia (Baltic herring and sprats), Croatia (small sardines) and Peru (anchovy).

However, the company says that it is not only the nobbing and/or filleting machine that is essential in a processing plant. The performance of the entire plant (reception, conveyors, storing

houses, processing facilities) must be tailor made to the customer's demand. According to the two companies, this is the big advantage of the new synergetic cooperation between SEAC and Peruzza.

Preferred Freezer Services Stand: 4-5424

Preferred Freezer Services' new ultra-modern facility is now open and ready for business!

The third Florida region facility joins four new facilities that opened in the past three months in Norfolk, Virginia; Houston, Texas; Atlanta, Georgia; and Washington Blvd., Vernon, California. The Jacksonville warehouse follows the nationwide expansion plan that commenced in 2007 to build seven new buildings throughout the United States.

With the opening of the four new facilities, Preferred Freezer Services has added 37.5 million cubic feet of newly added freezer space.

More facilities due to open in 2008 include Everett, Massachusetts (Boston Harbor); Elizabeth, New Jersey; Oakland, California; Los Angeles #7, California; Houston II, Texas; Atlanta II, Georgia; and Jacksonville II, Florida.

All Preferred Freezer facilities are constructed using leading-edge technology, which incorporates the finest MIS systems available.

PROCONCEPT Stand: 4-5527

PROCONCEPT is a specialist in the field of smoked salmon slicing and fixed-weight batching.

The company's TN200 slicer (used in association with the batching module DDV400) represents 78% of industrial salmon slicing in France.

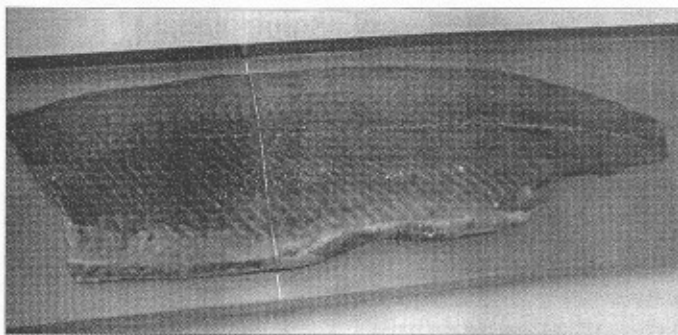
From weight recognition of the fillet, the TN200 uses a variation of angle and cutting thickness in order to obtain the required weight of slices with 200 cycles

per minute. In order to optimise the percentage of slices obtained in required weight, a system of 3D recognition for salmon fillets was developed.

Each fillet is weighed and scanned (using a digital camera and a laser transmitter), depending on the required weight of slices.

As each slice is designed in 3D, the knowledge of their length and width allows the DDV400 module to associate slices not only according to their weight, but also according to their shape.

Use of the system does not require any particular ability from the operator and, depending on running conditions, up to 95% of slices can be obtained in required weight.



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MAR 71 SPLIT
Scale ice machine, horizontal evaporator, production from 300 to 1800Kg/24h fresh and sea water

Scotsman Ice Systems has been the worldwide leader for ice machines manufacturing since 1950. This means over half a century dedicated to quality and reliability. Scotsman Industrial Line feature a very strong "heart", a stainless steel evaporating drum perfectly suited for rough conditions at seas as much as for land-based installations. Additionally, all of the features of the MAR & EVE ranges are studied to further enhance the equipment reliability under any working conditions: seeing is believing! Last but not least, the wide range of capacities, ranging from 300Kg/24h (horizontal evaporator) to 6.000 Kg/24h (vertical evaporator) guarantee the best suitable configuration for even the most critical installations.

Scotsman
Ice Systems - Industrial line

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