

Northern shrimp in the North Atlantic

– the fate of shrimp is written in cod!

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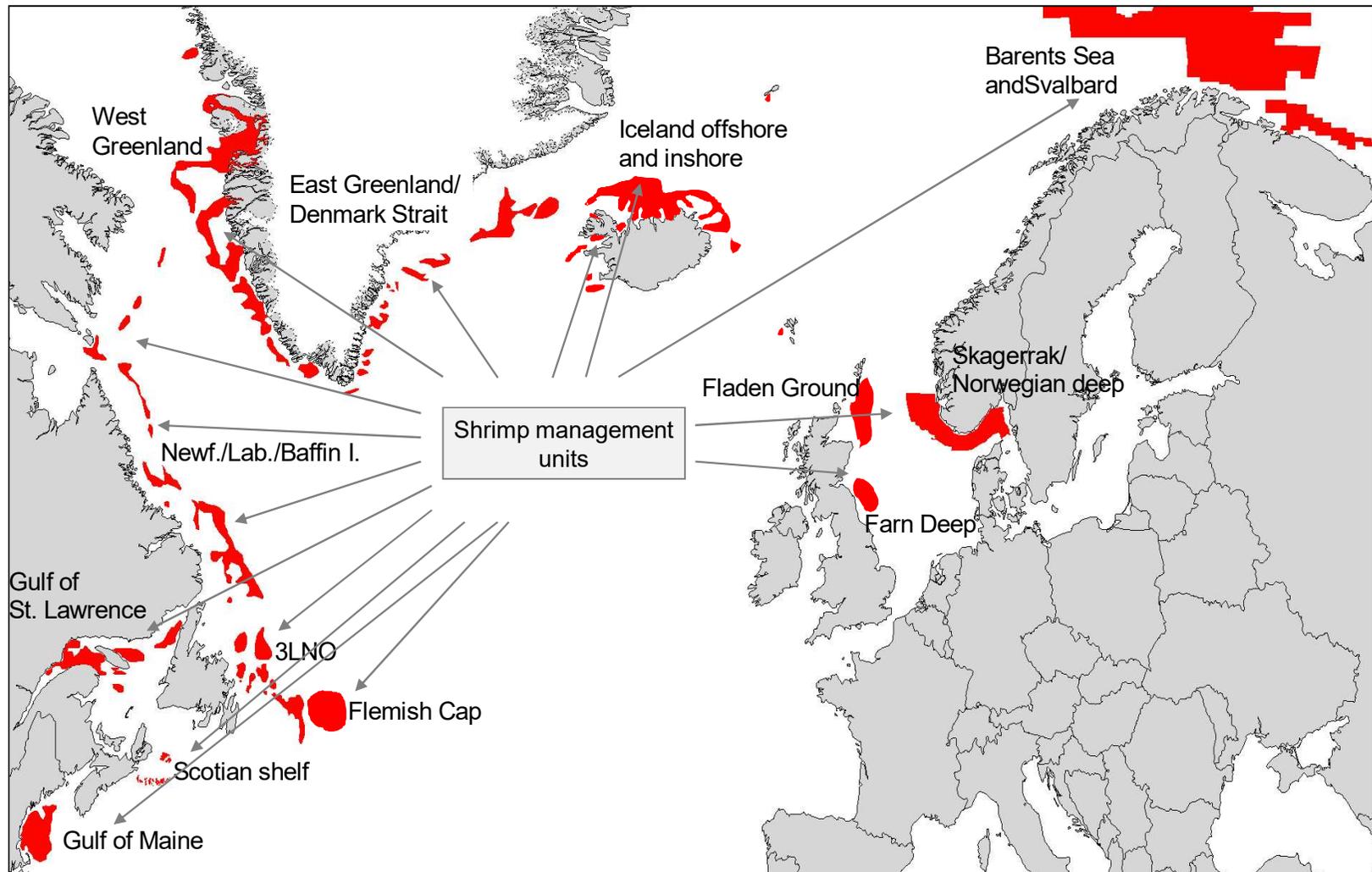


Shrimp stocks – the raw material

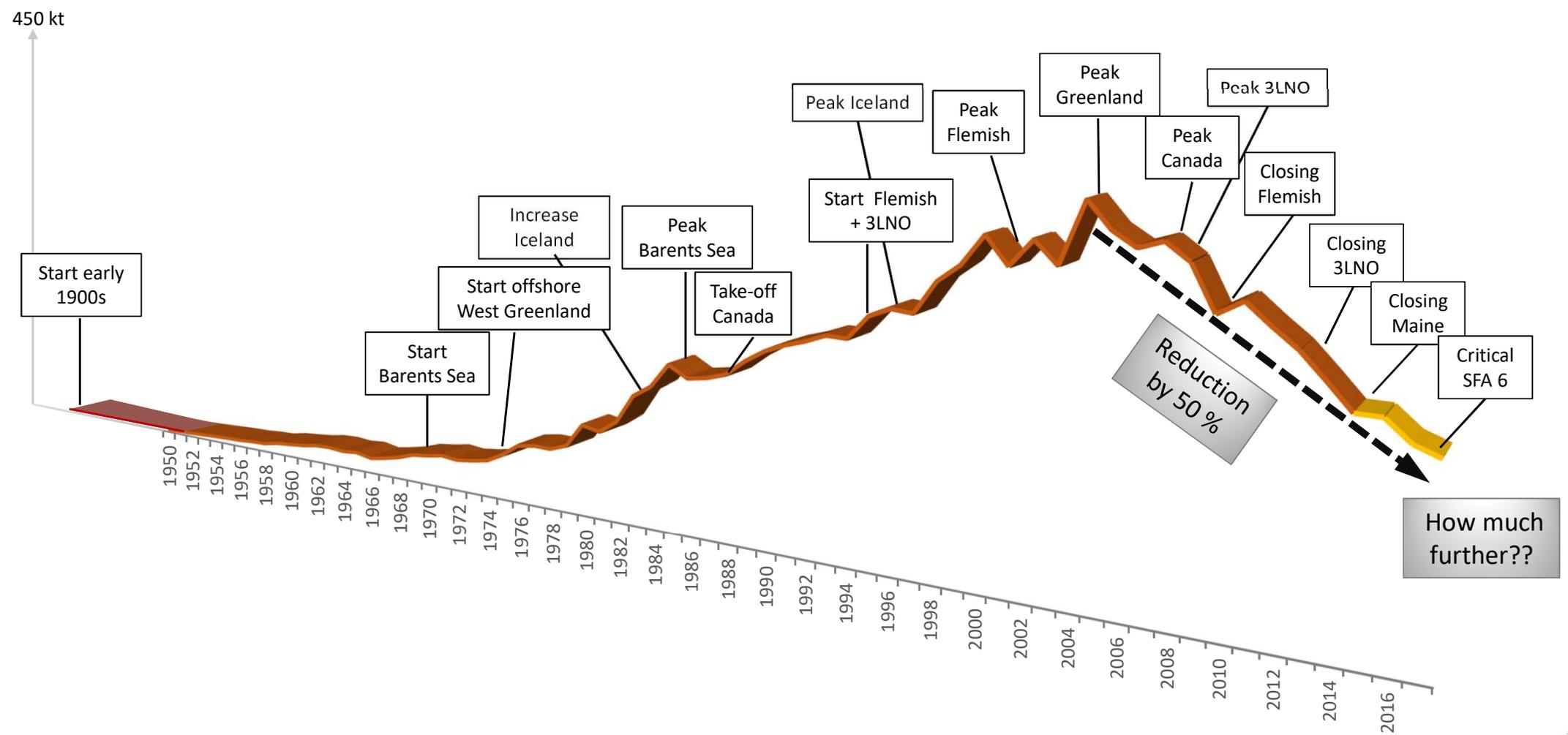
Shrimp is the primary shell fish Resource in the North Atlantic

Found on the continental shelves mostly between 200-500 m and 1-6 °C

Ca. 18 shrimp management units



The shrimp catch *history* of the North Atlantic



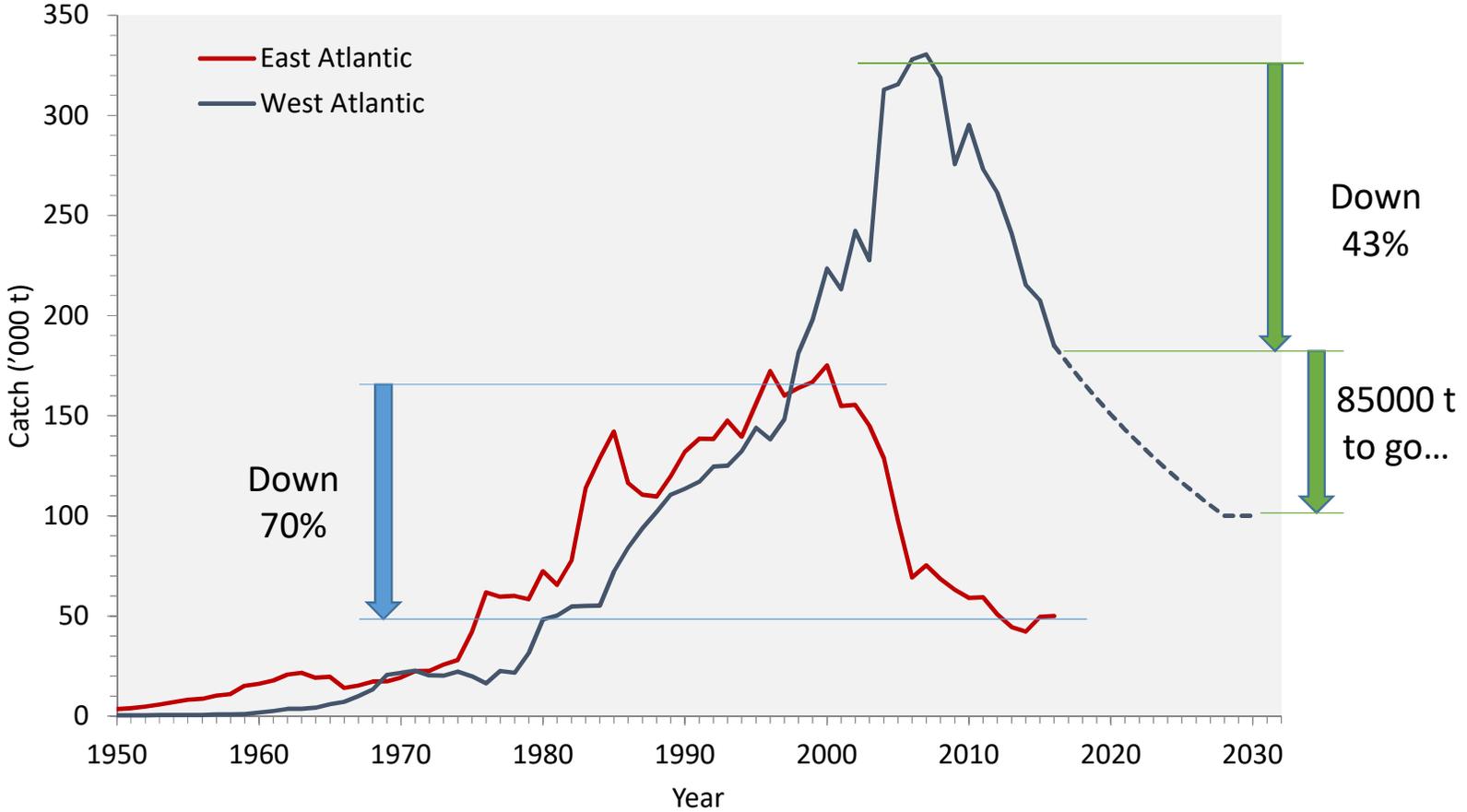
Shrimp catch, West vs East Atlantic

..decline in East has leveled off..

.. at approx. 30% of the peak level.

Similar trajectory in West as in East with some delay....

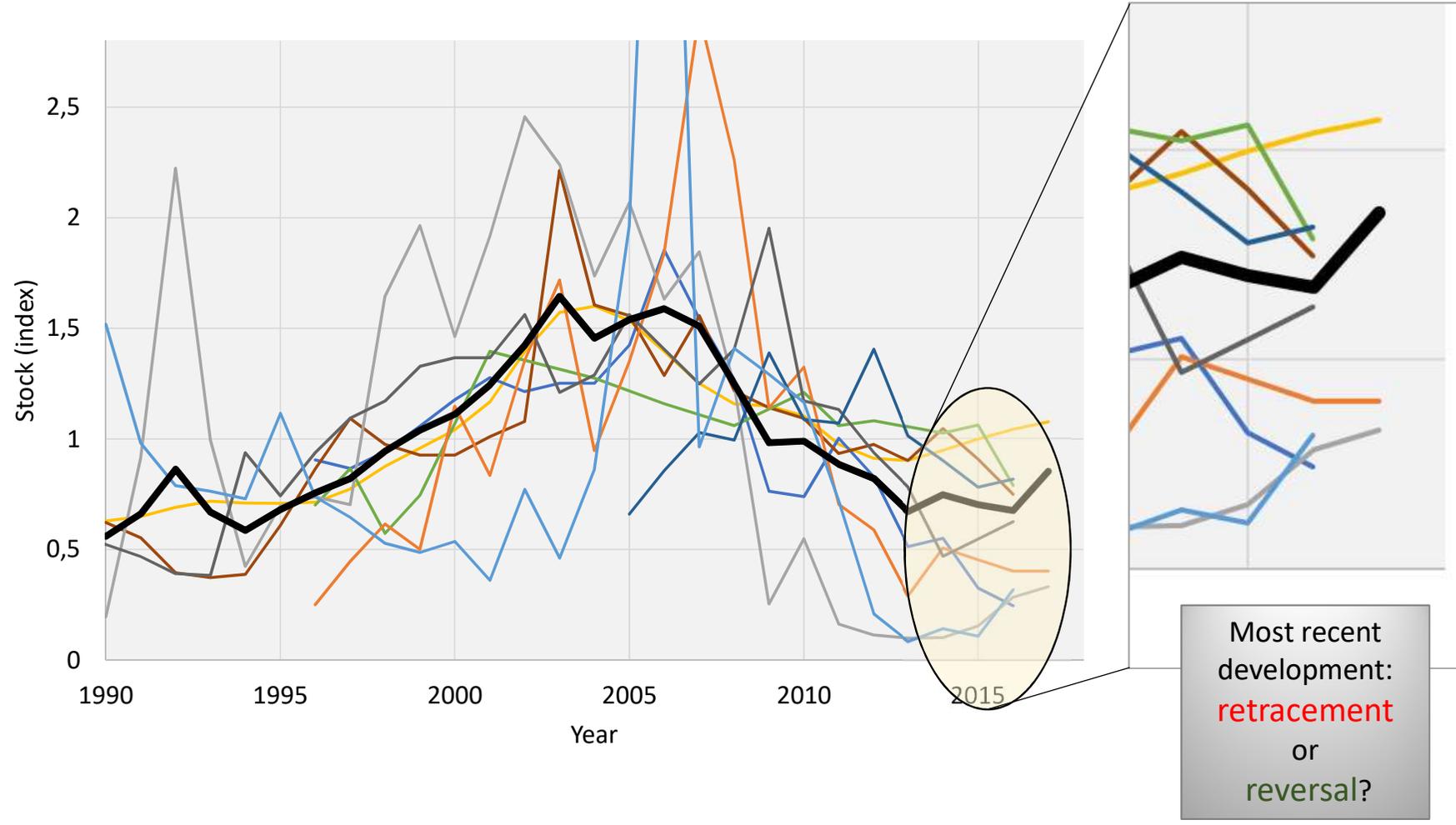
If West continues to parallel the East, catches needs to come down by another 85000 t



Shrimp stock dynamics, West Atlantic, recent trends

The stocks has largely followed a similar trend....

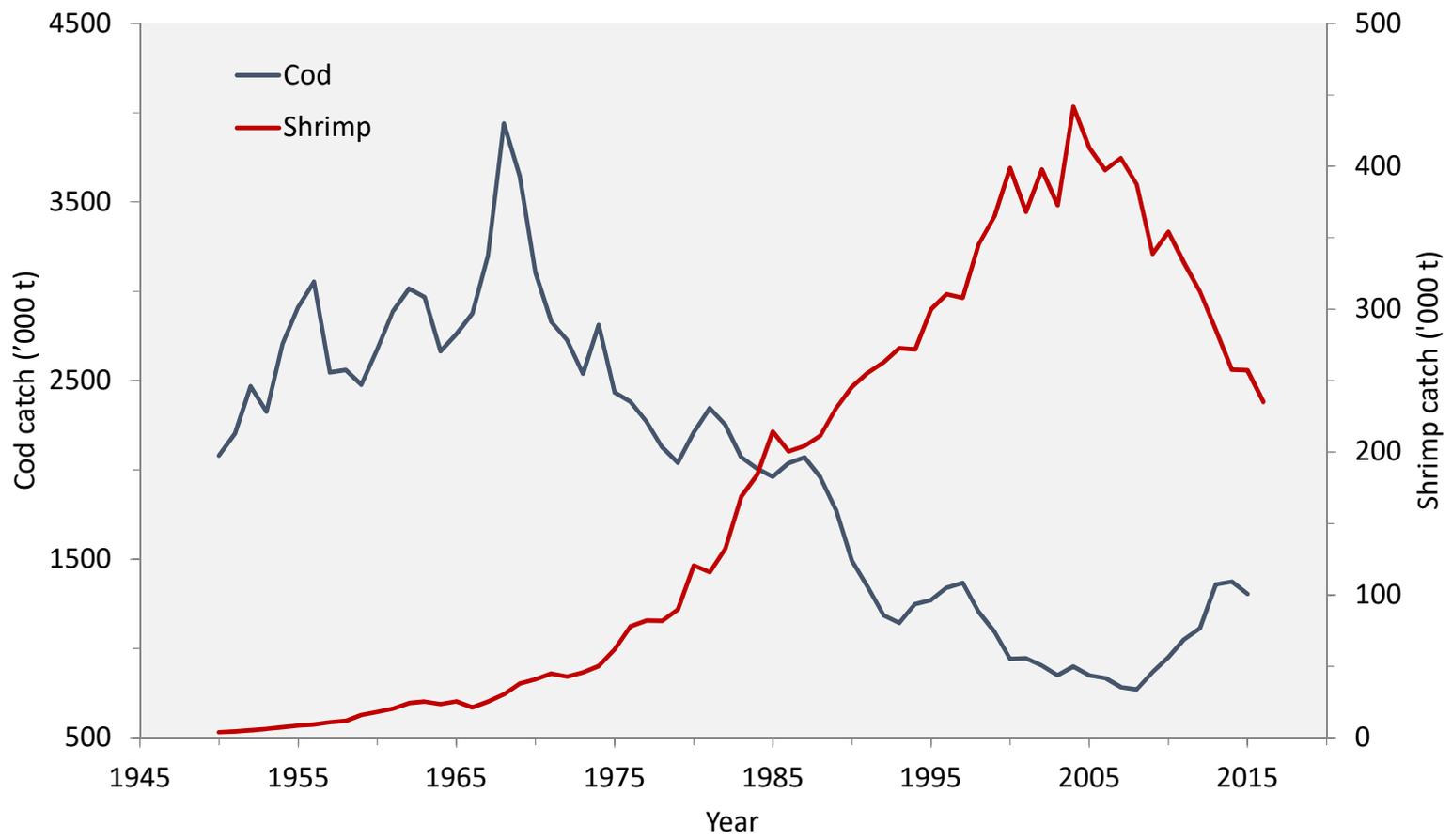
...and that being down since approx. 2005...



Most recent development:
retracement
or
reversal?

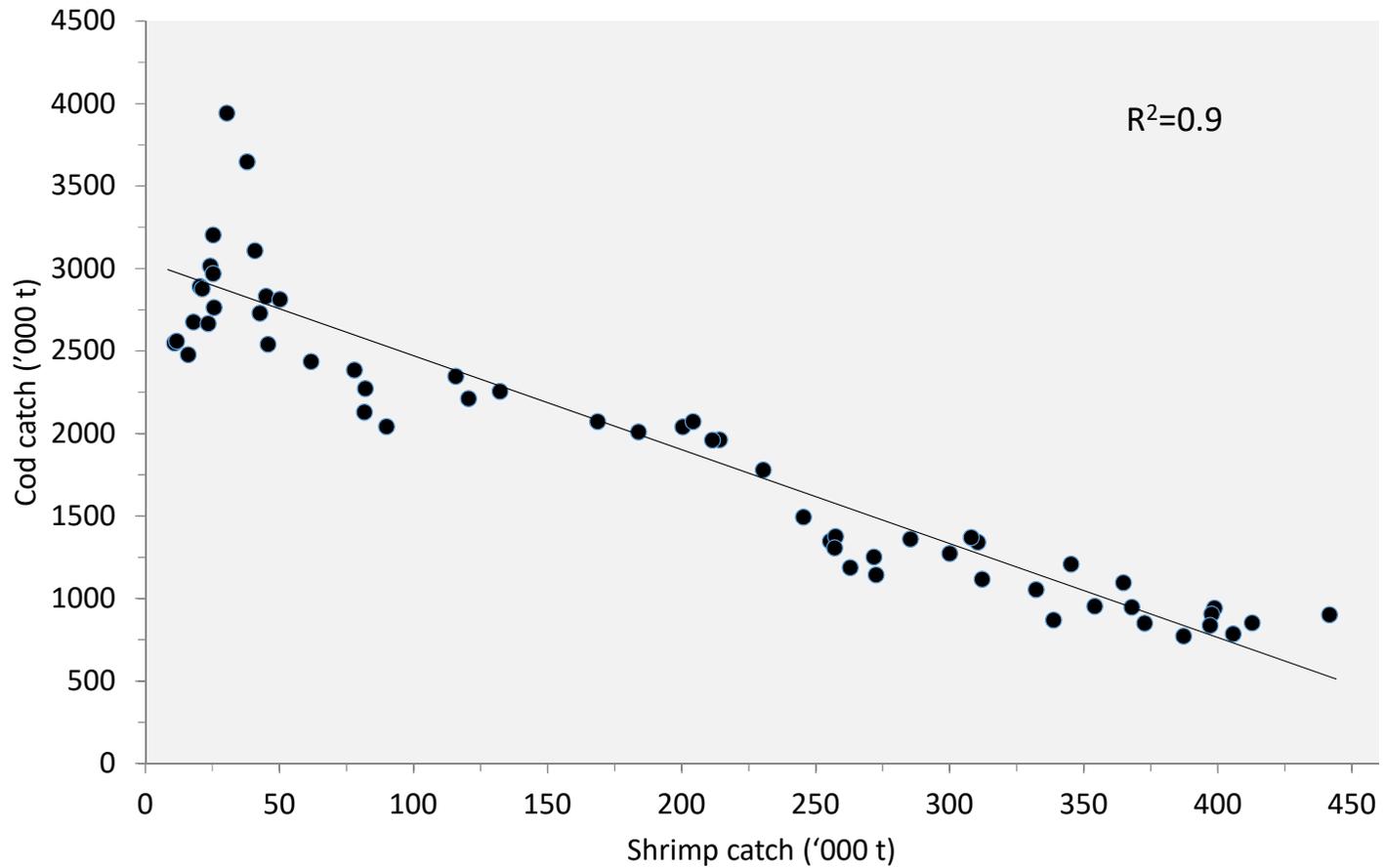
The cod-shrimp cross

In general, you can't have large simultaneous fisheries on both....



Cod knows about shrimp

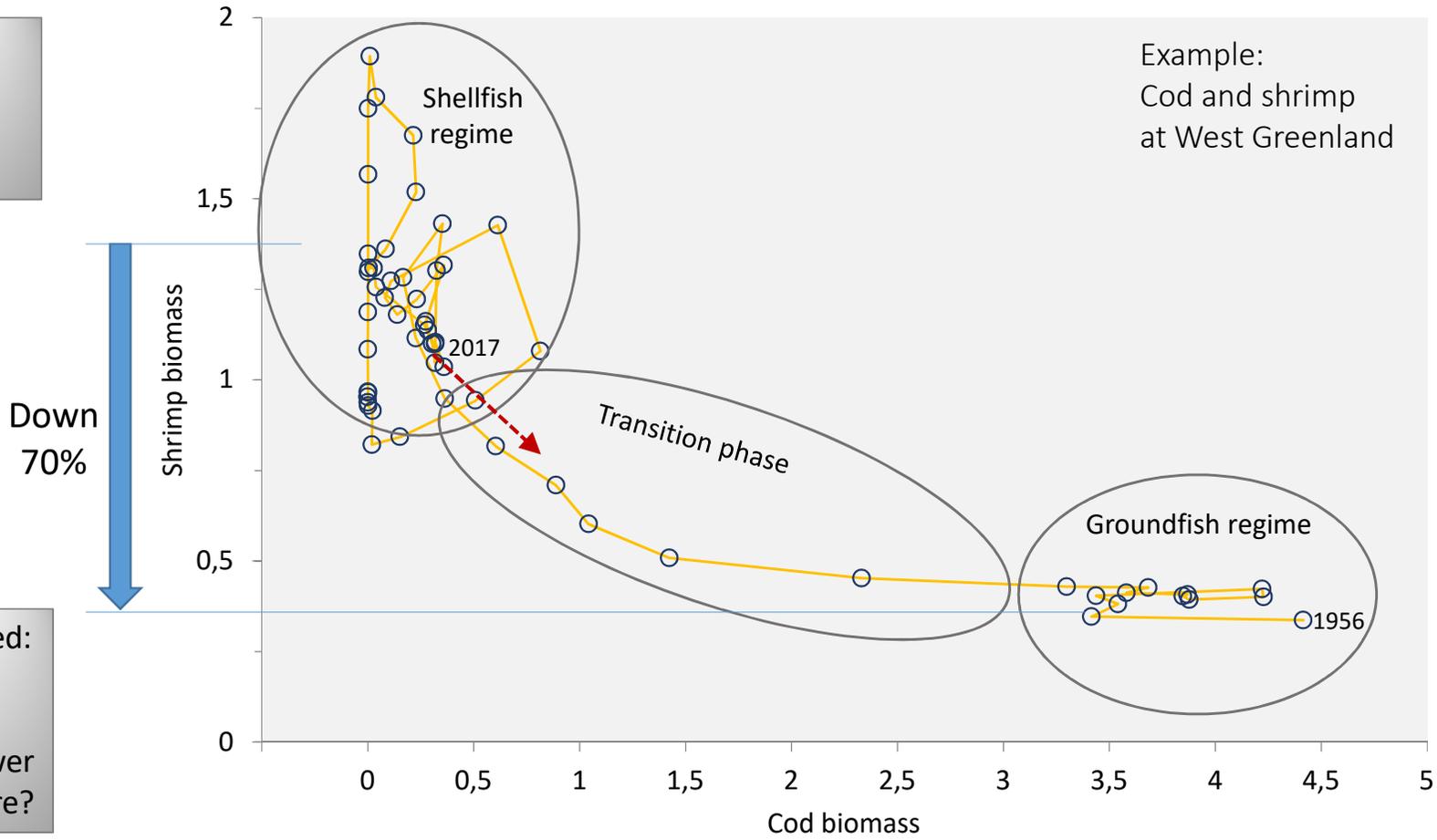
Variation in cod catch explain 90% of the variation in shrimp catch



Regime shift in the West Atlantic

Ecosystems in transition from shrimp back to fish...

When completed: Still shellfish in the sea, but at significantly lower level than before?





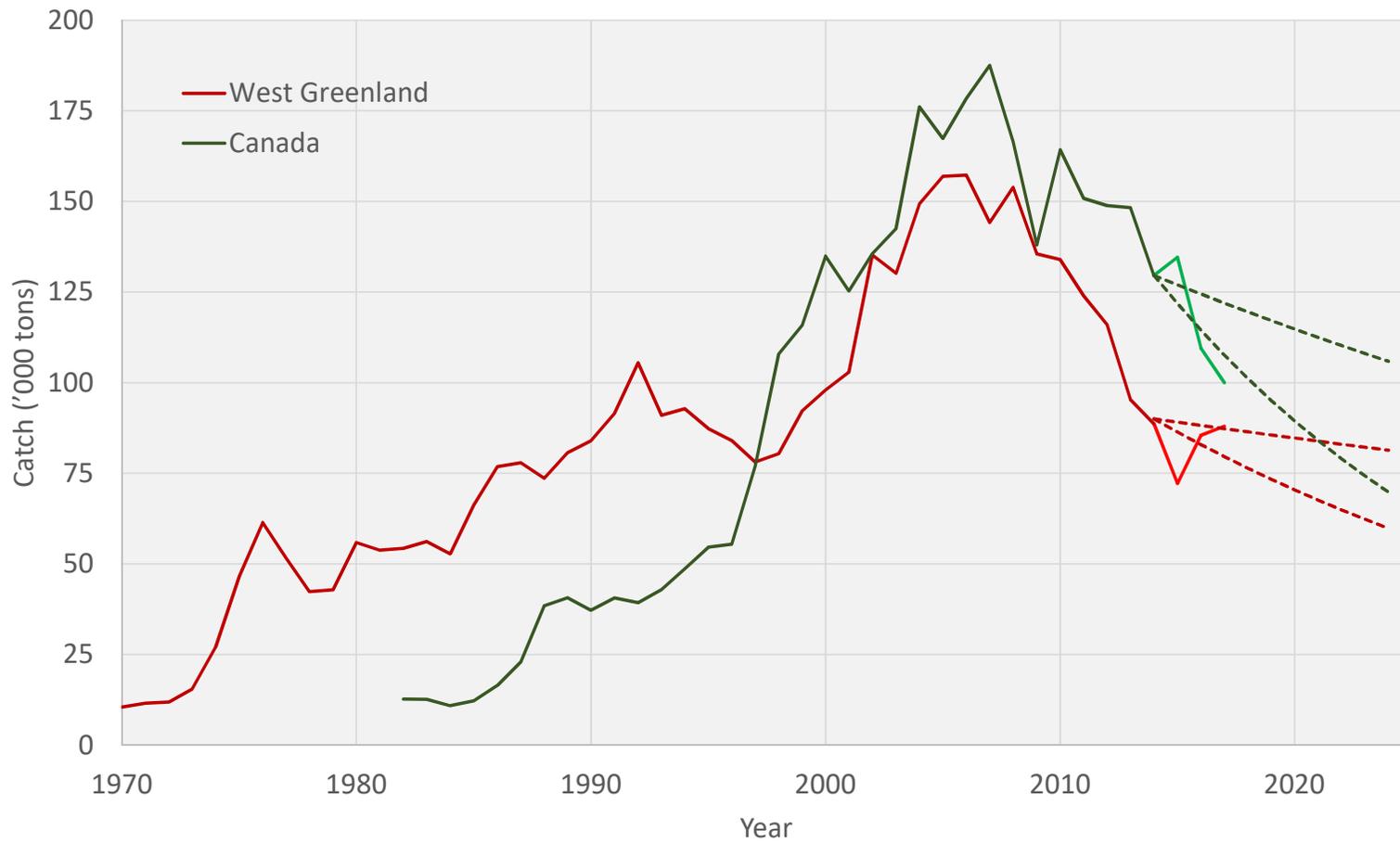
..yes, cod is back
– nothing like in
the good old
days yet but,.....

..still enough to
signal a further
decline in shrimp

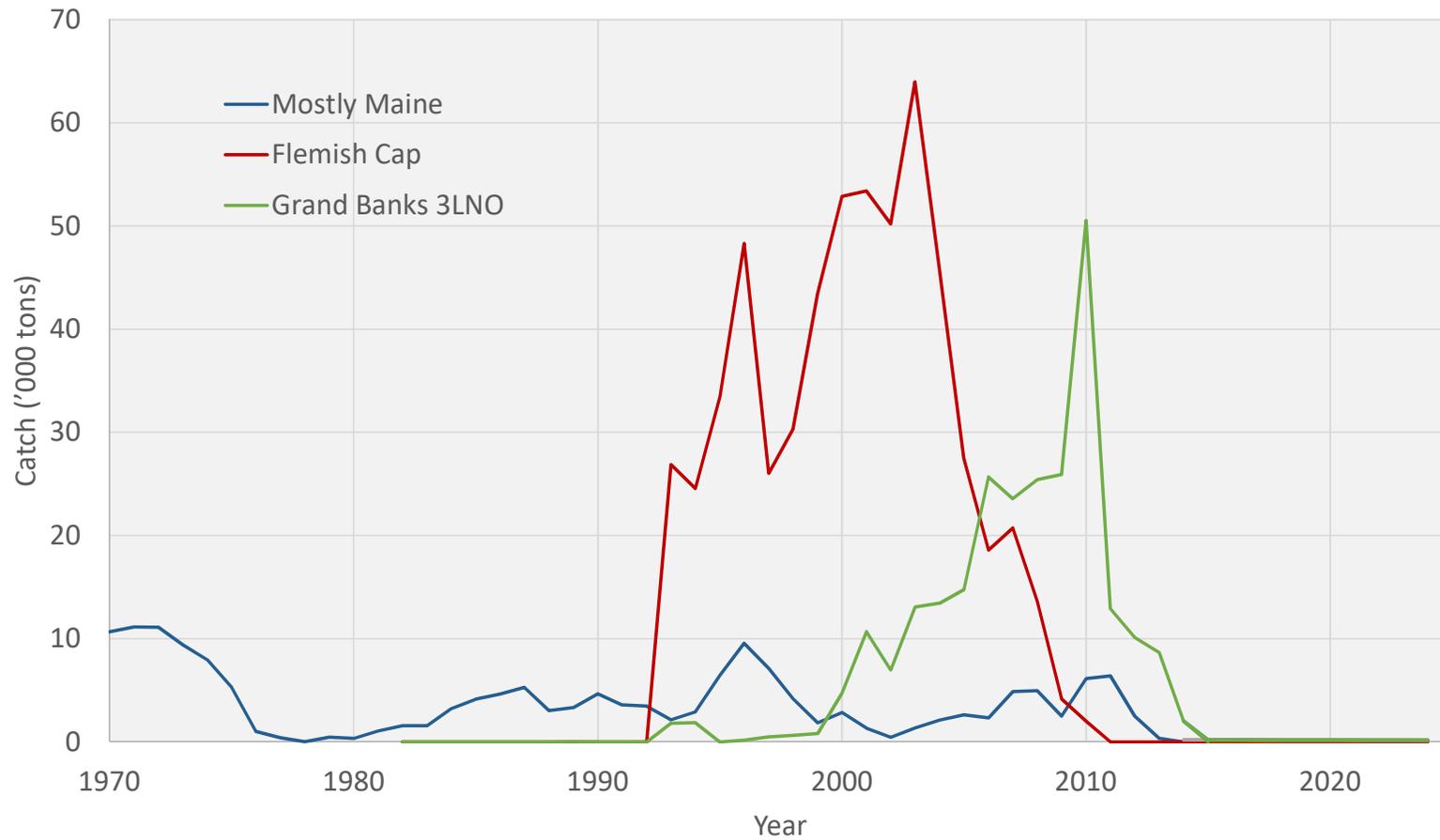
West Atlantic: The two largest fisheries

...it is in the cod:
the regime shift
is on the go...

...shrimp stocks
will continue to
decline...



West Atlantic: The south-west



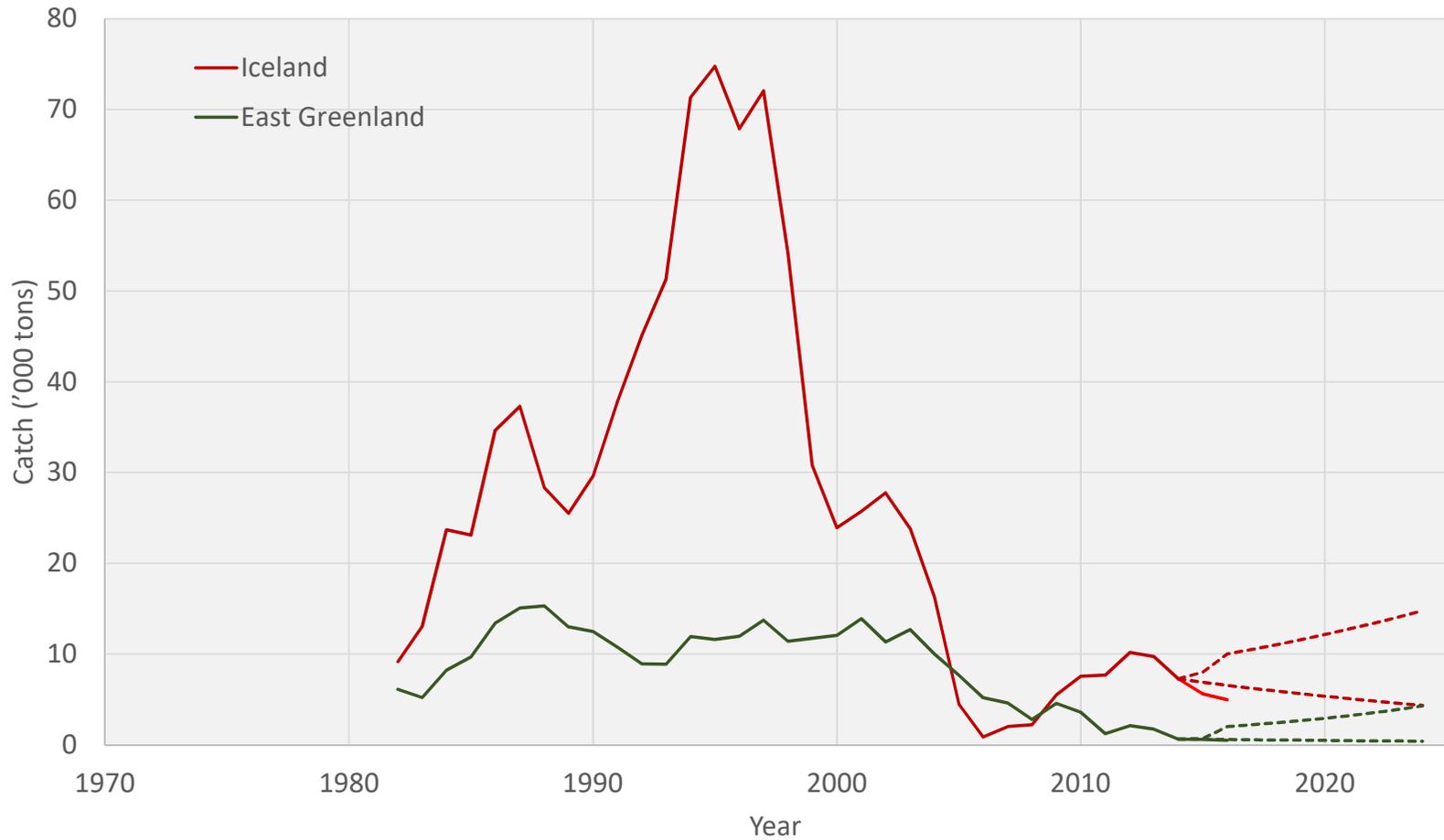
...stocks are already in a poor state...

...no sign of imminent recovery

Greenland east and Iceland

...stocks
historically low...

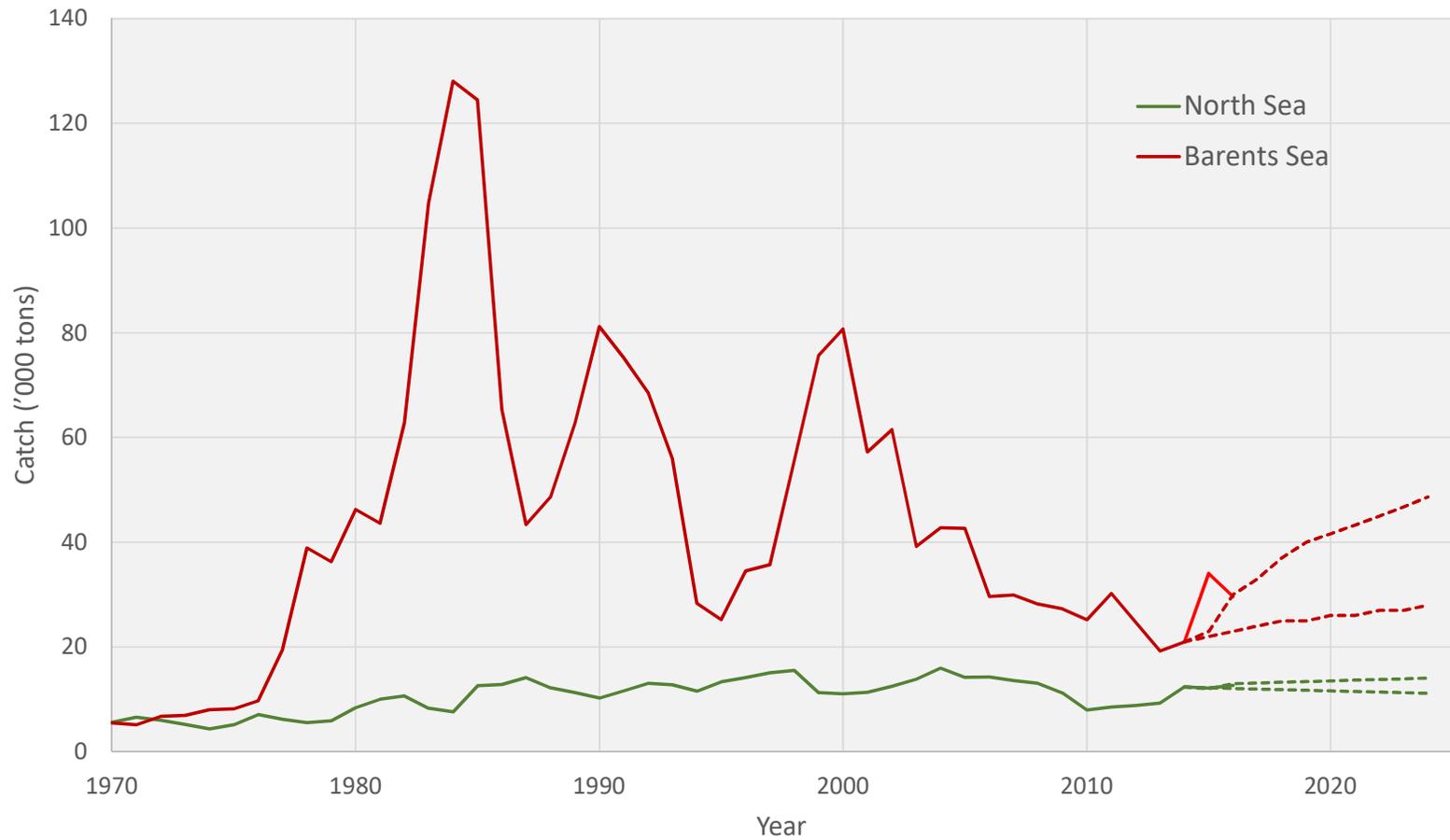
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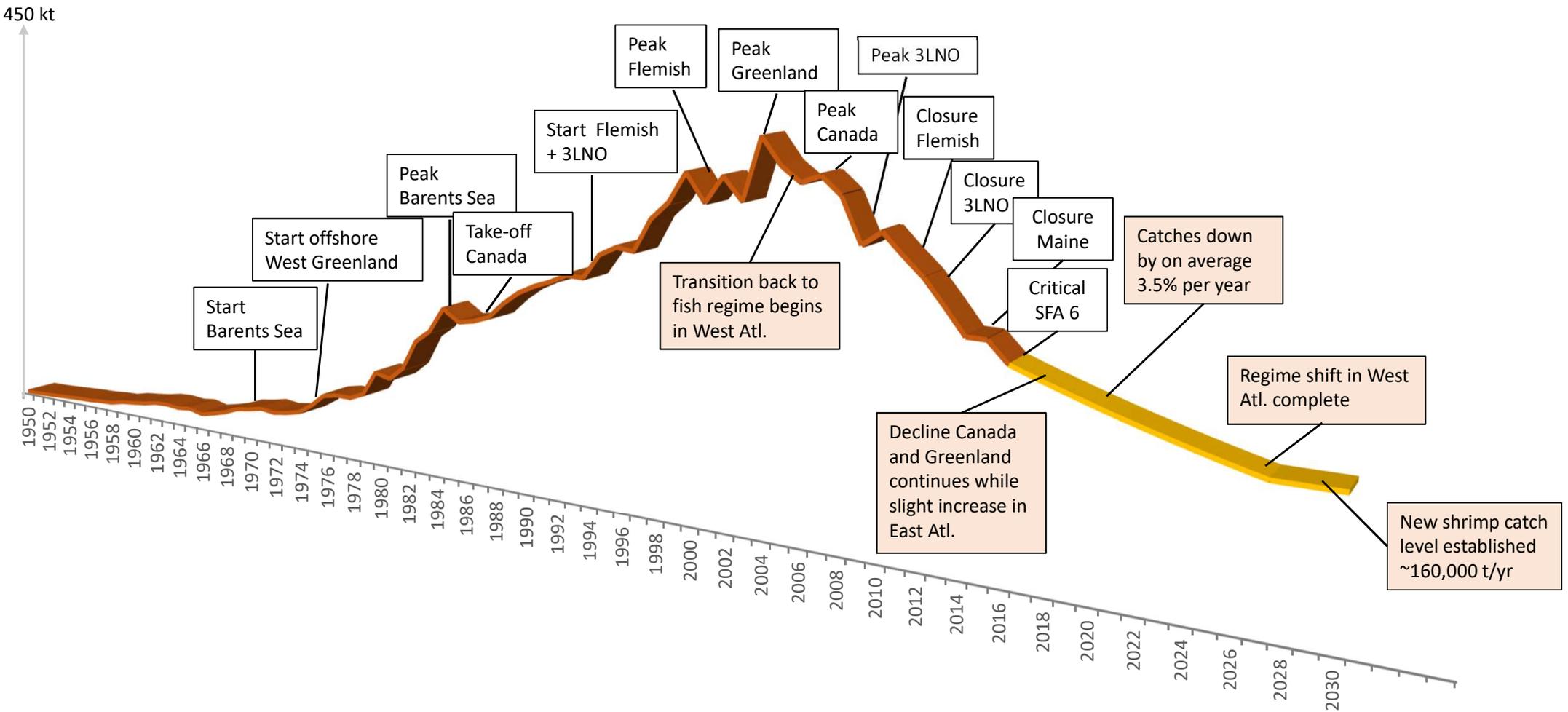
Barents Sea and North Sea

...Likely increase in the Barents Sea...

...The North Sea will remain relatively stable around 10000 to 15000 tons.



The shrimp **future** in the North Atlantic



Thanks for your
attention!

Contact

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