

# Northern shrimp in the North Atlantic

– the fate of shrimp is written in cod!

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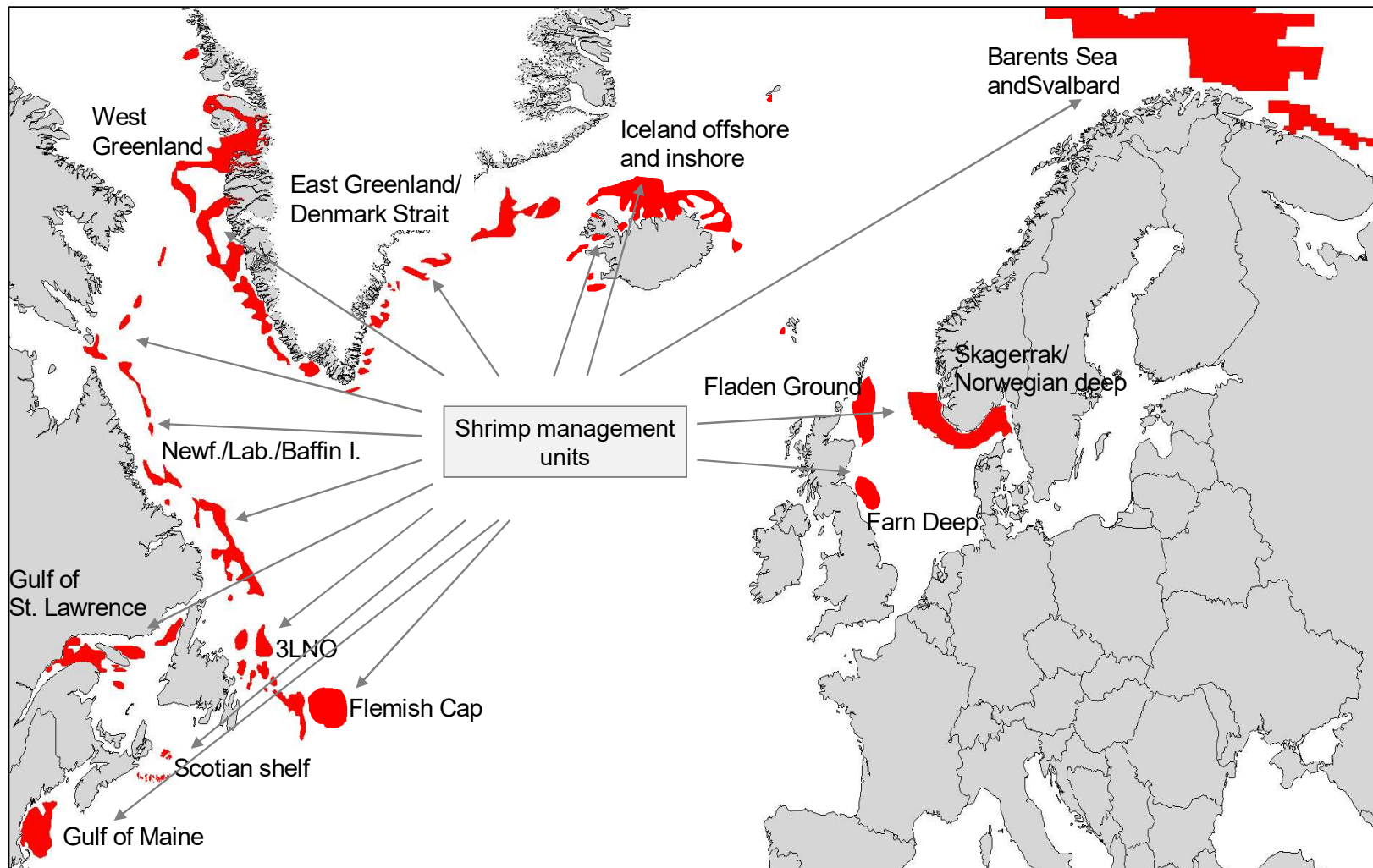
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# Shrimp stocks – the raw material

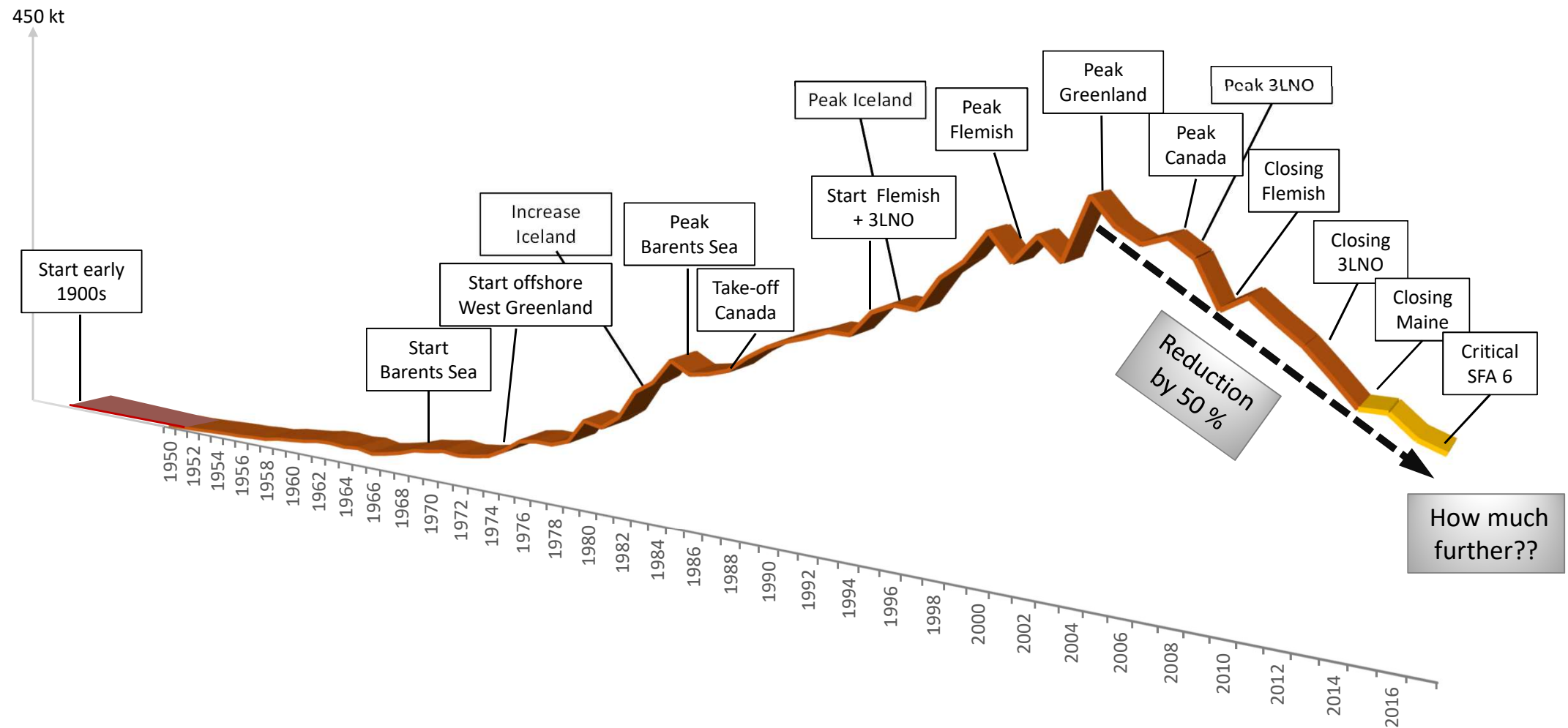
Shrimp is the primary shell fish Resource in the North Atlantic

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



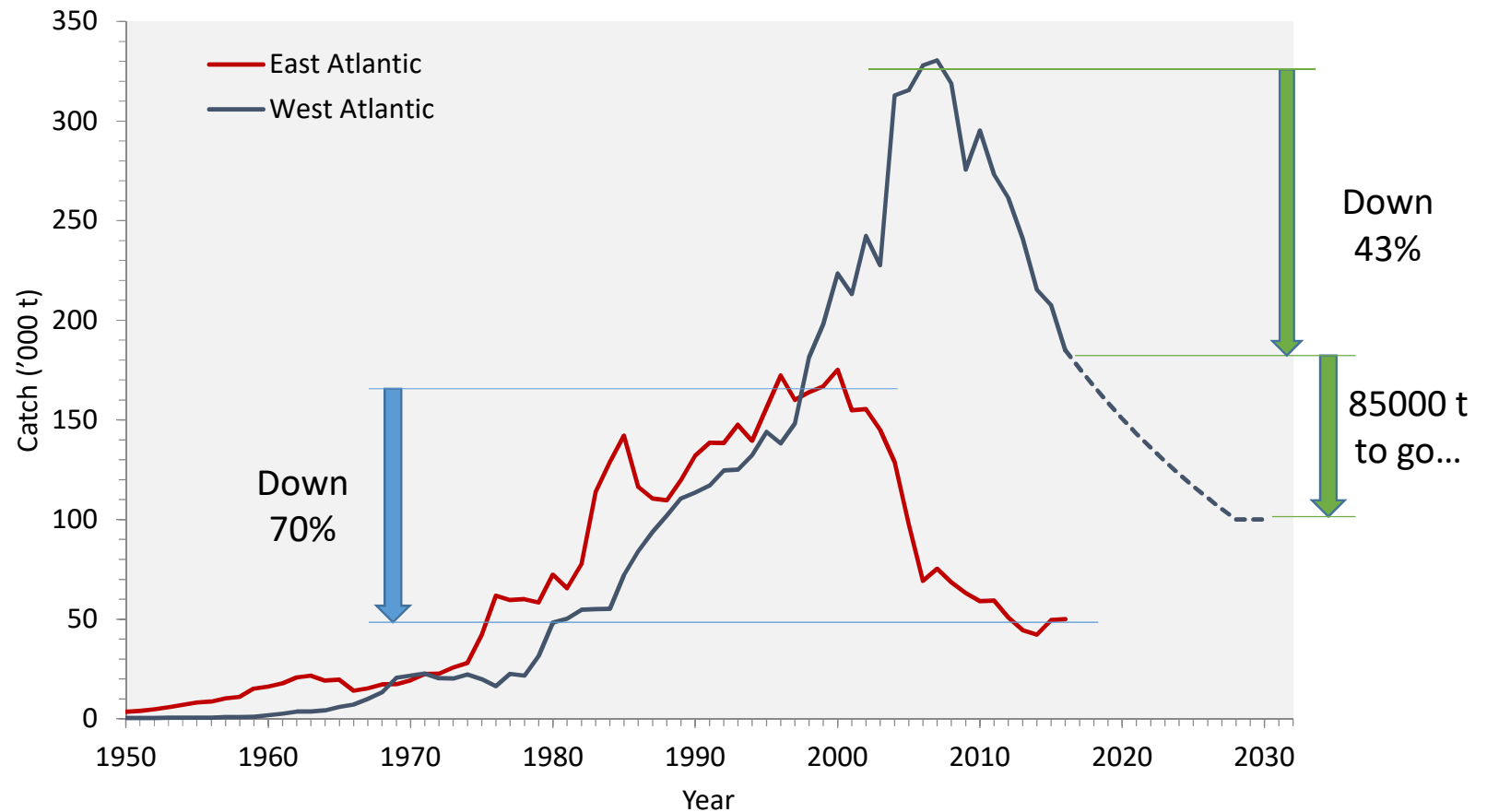
# Shrimp catch, West vs East Atlantic

..decline in East  
has leveled off..

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

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

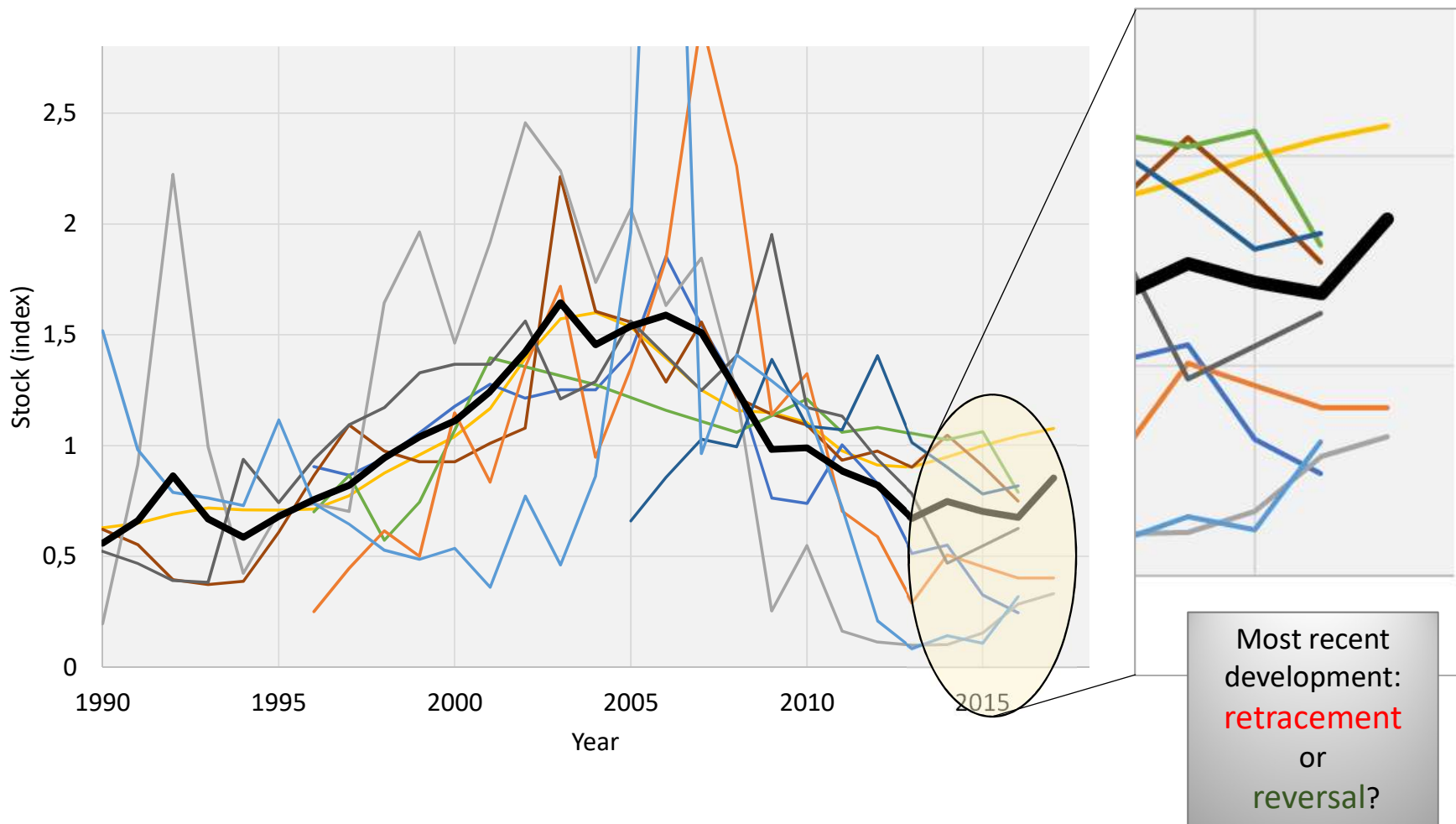
If West continues  
to parallel the  
East, catches  
needs to come  
down by another  
85000 t ....



# Shrimp stock dynamics, West Atlantic, recent trends

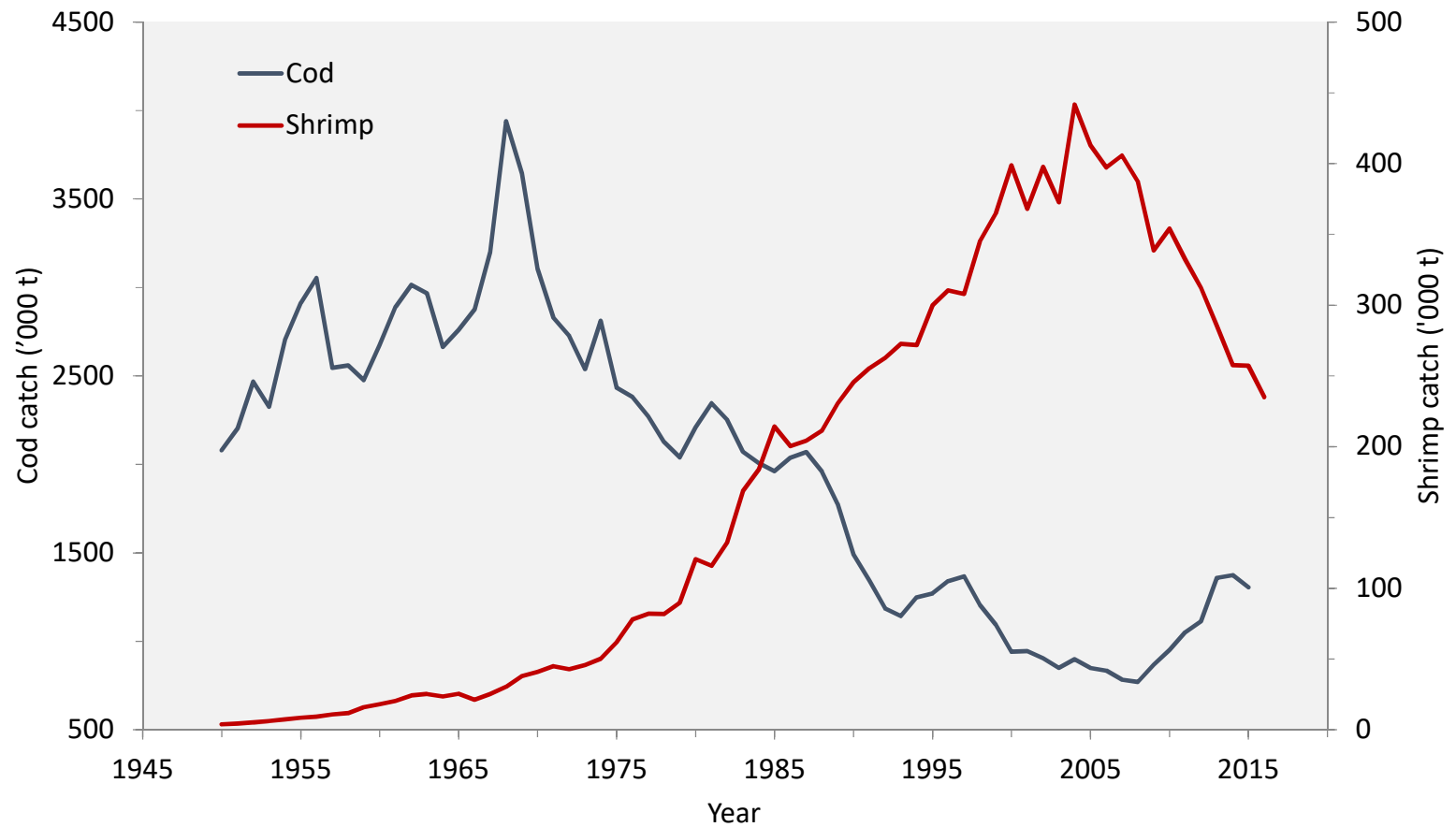
The stocks has largely followed a similar trend....

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



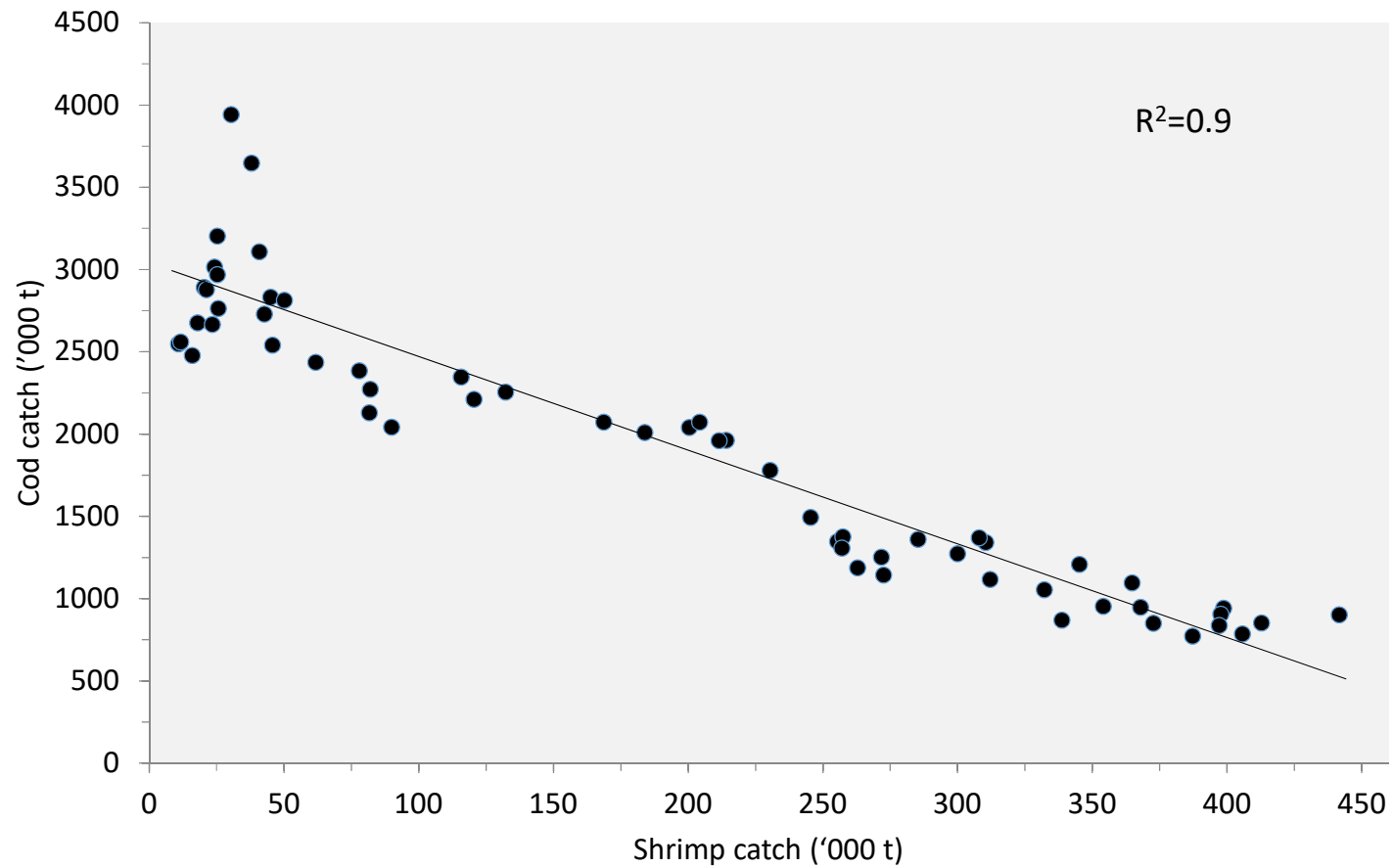
# The cod-shrimp cross

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



# Cod knows about shrimp

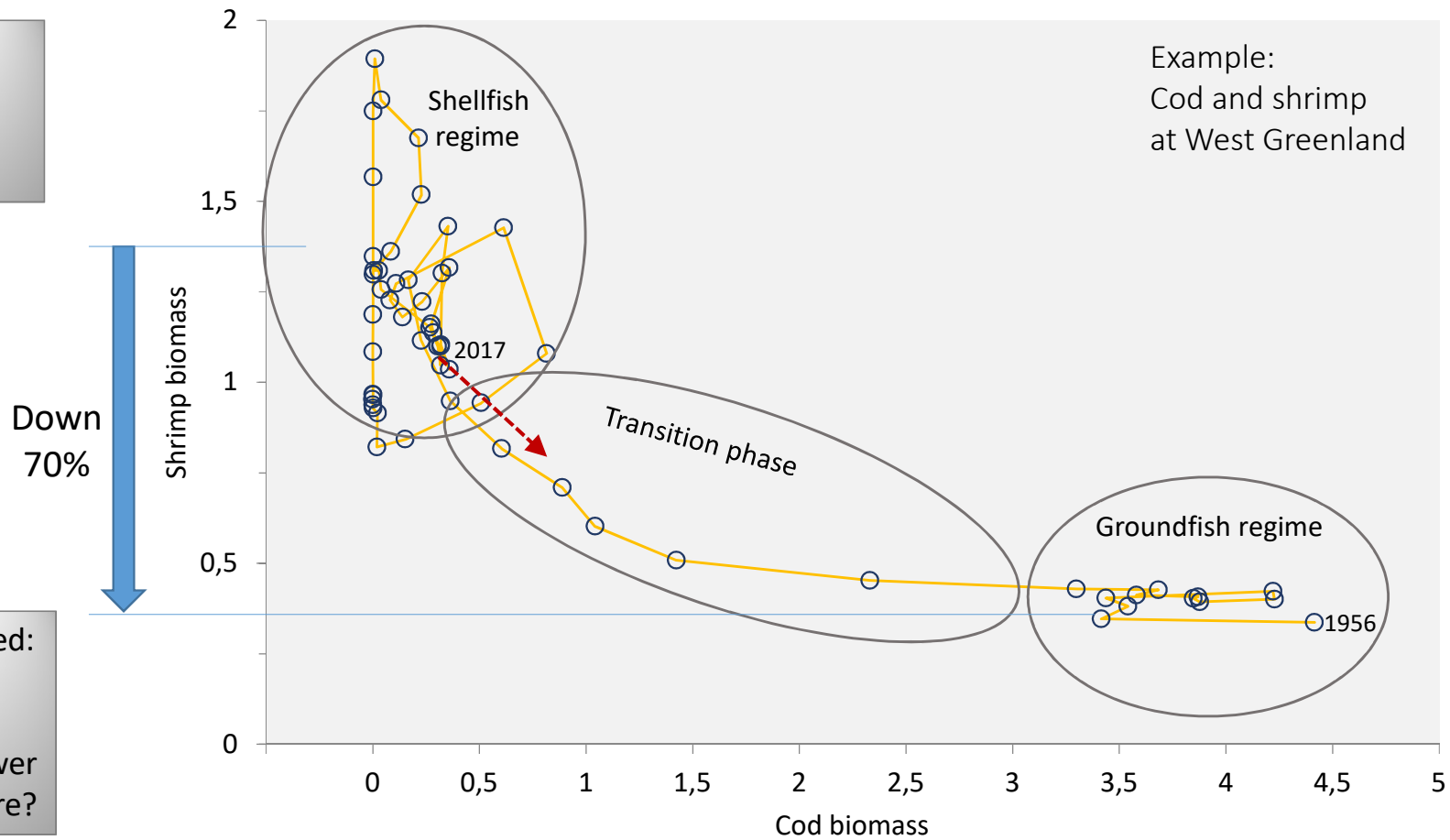
Variation in cod catch explain 90% of the variation in shrimp catch



# 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,.....

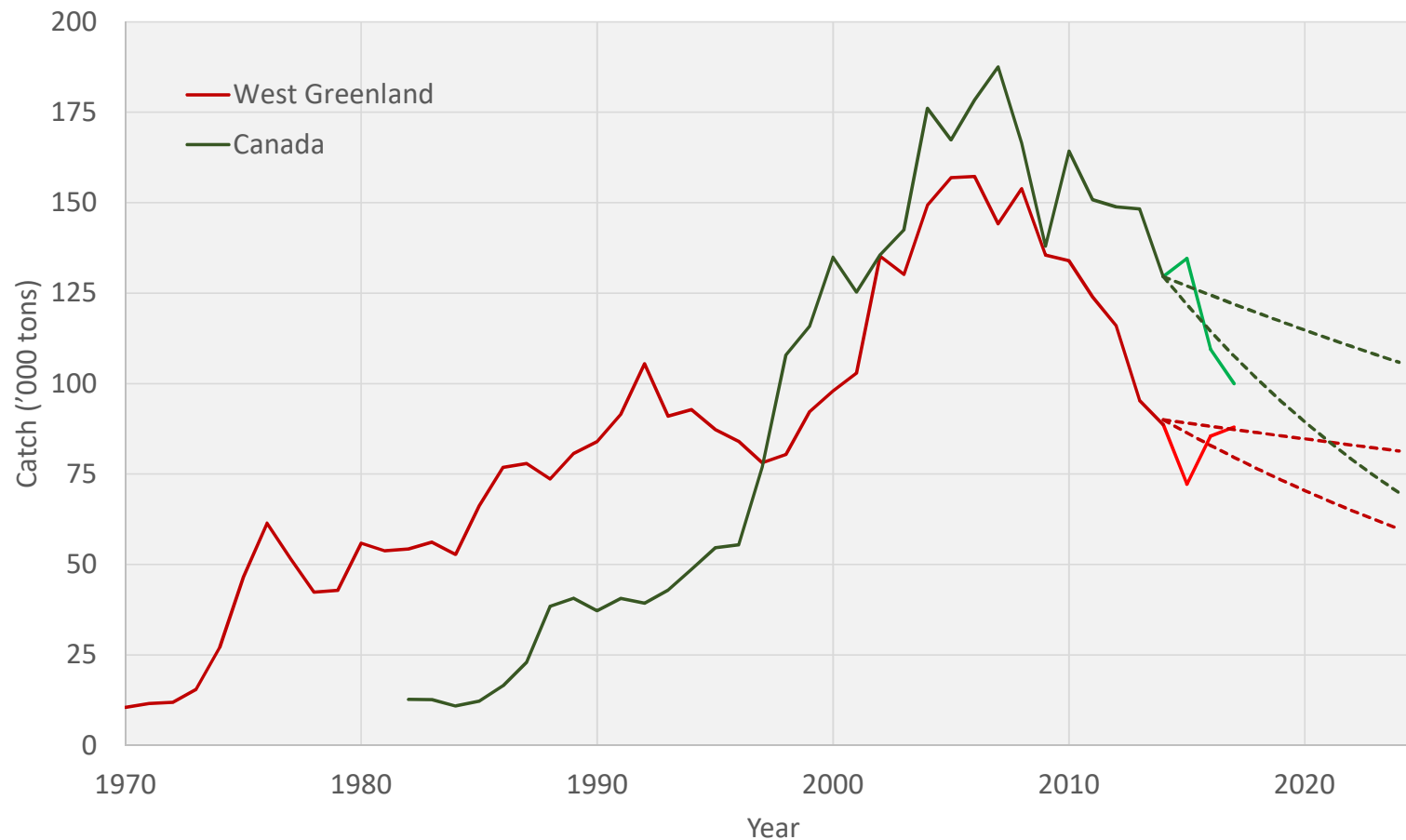
..still enough to  
signal a further  
decline in shrimp



# West Atlantic: The two largest fisheries

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

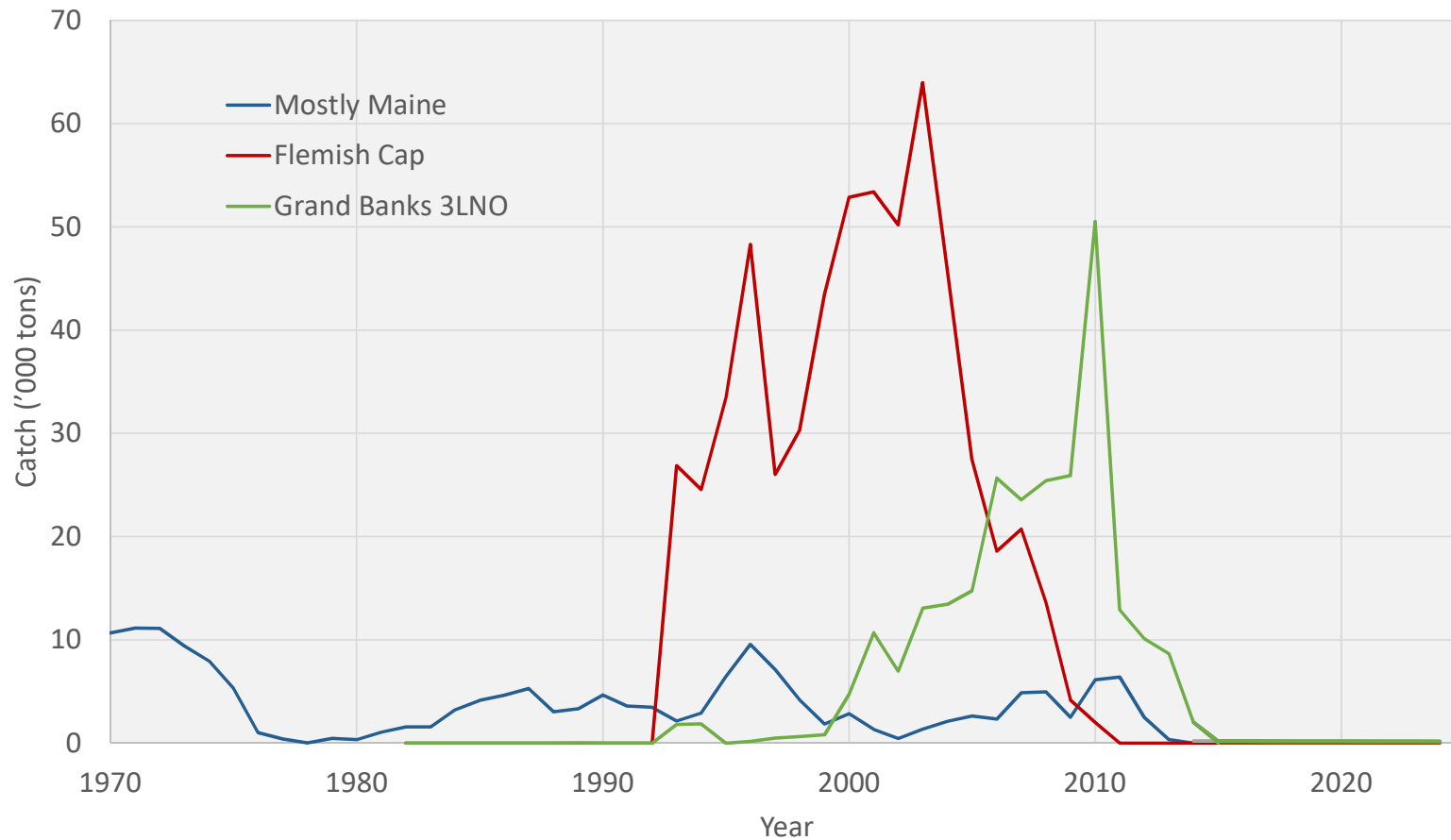
...shrimp stocks  
will continue to  
decline...



# West Atlantic: The south-west

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

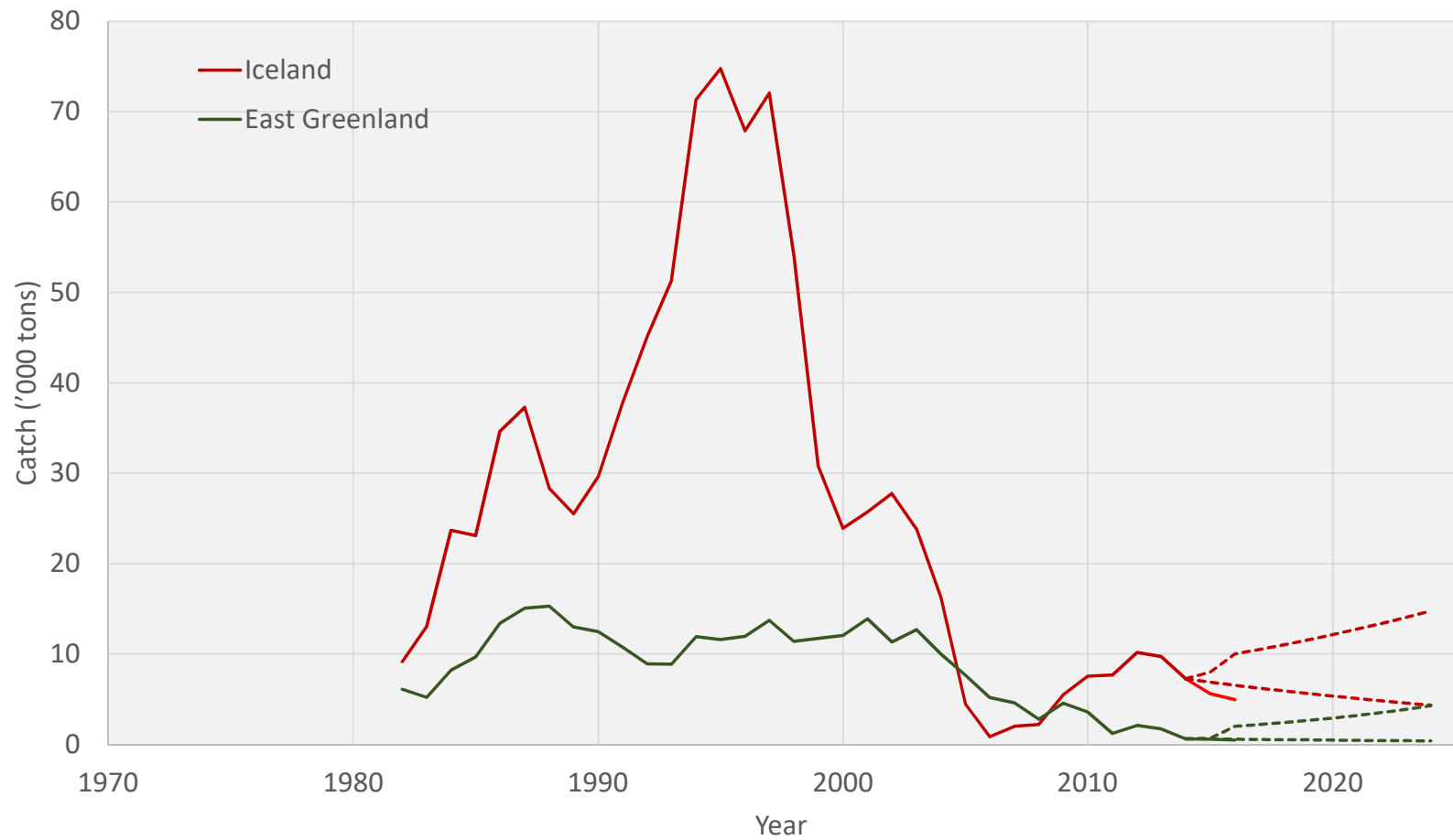
...no sign of  
imminent  
recovery



# Greenland east and Iceland

...stocks  
historically low...

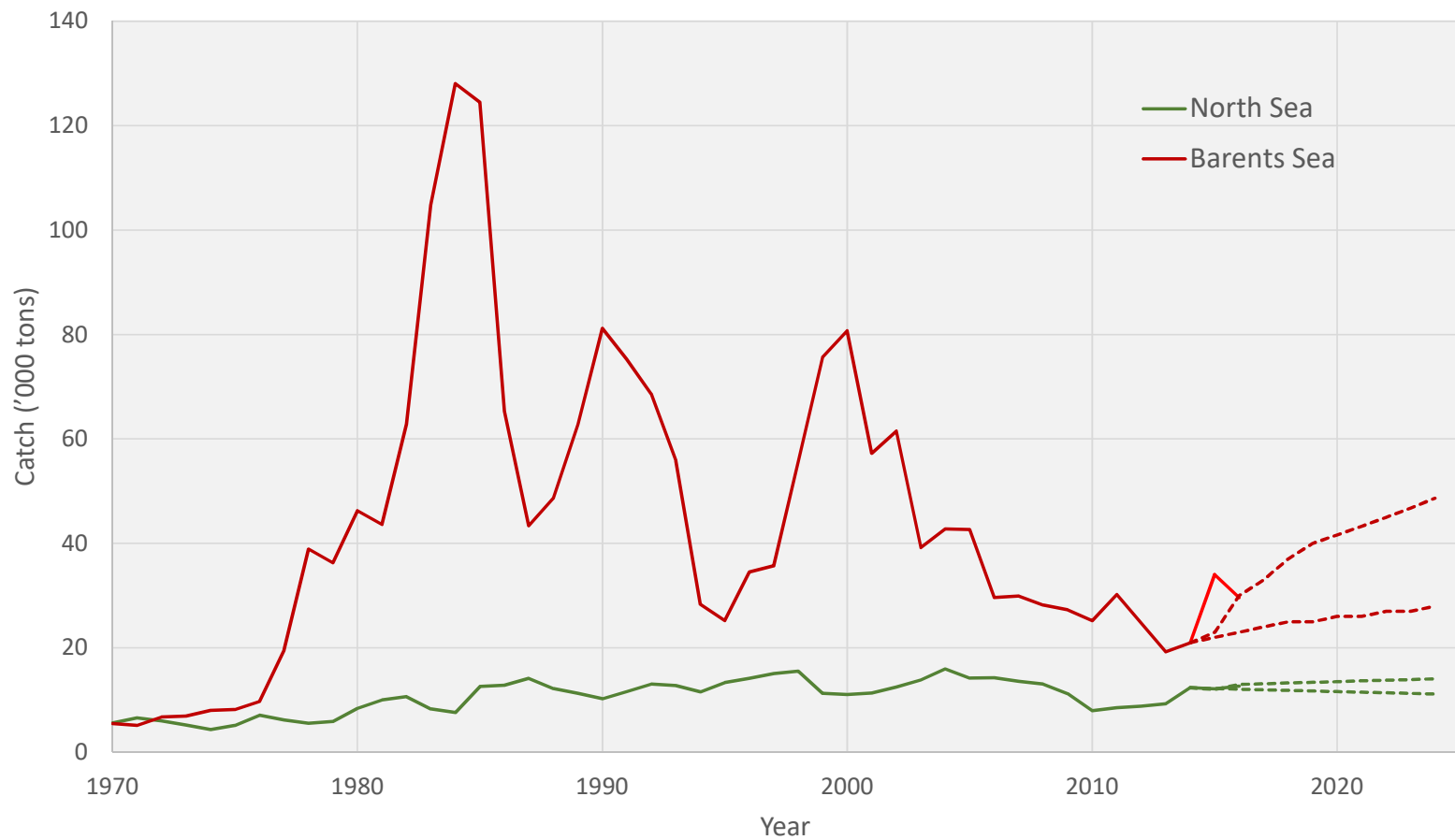
...no signs of  
imminent  
recovery.



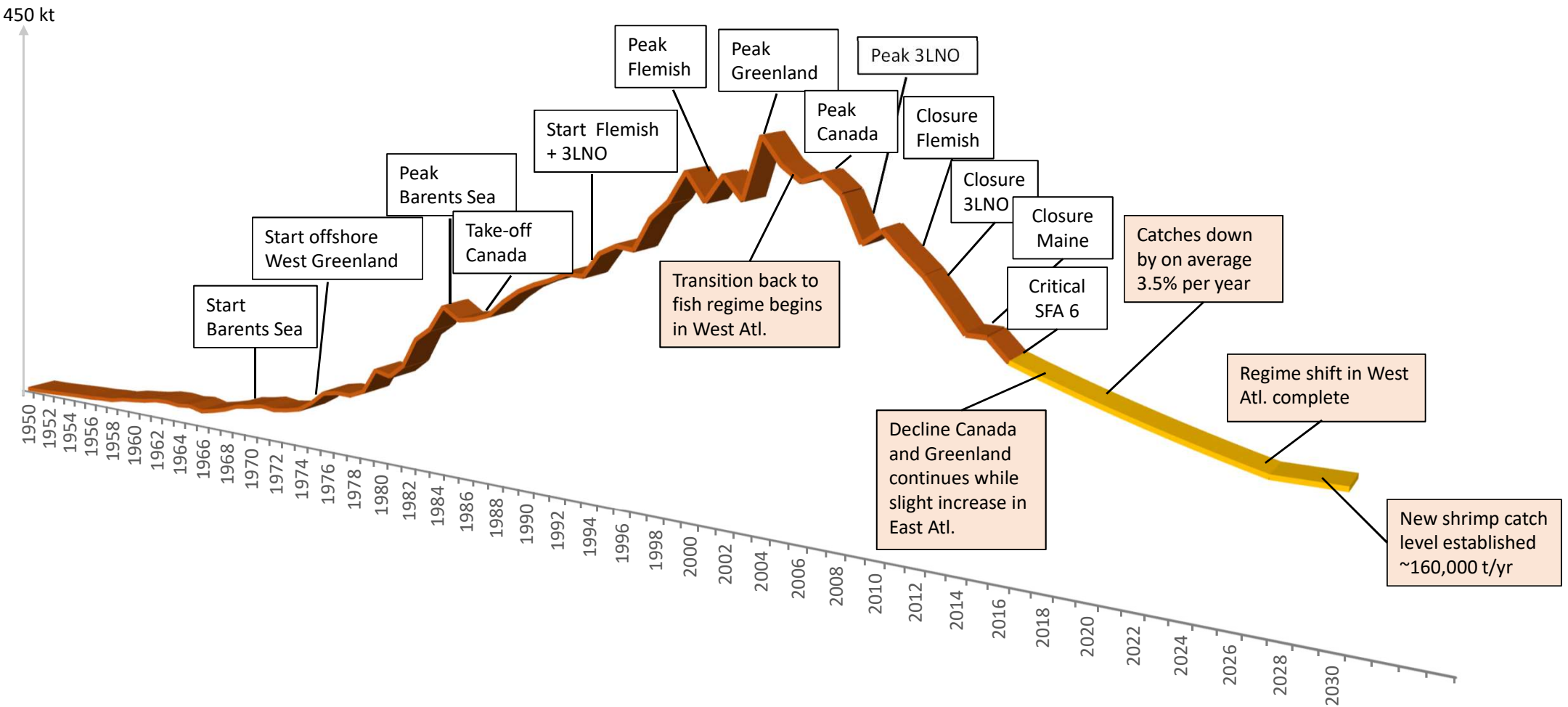
# Barents Sea and North Sea

...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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