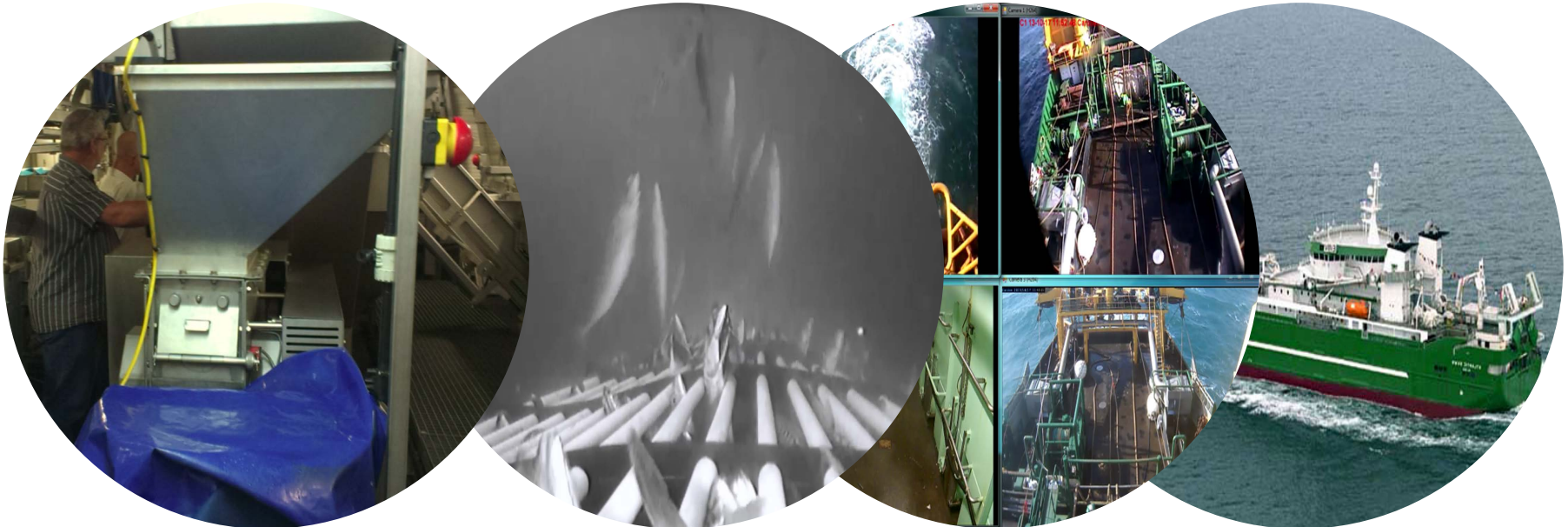
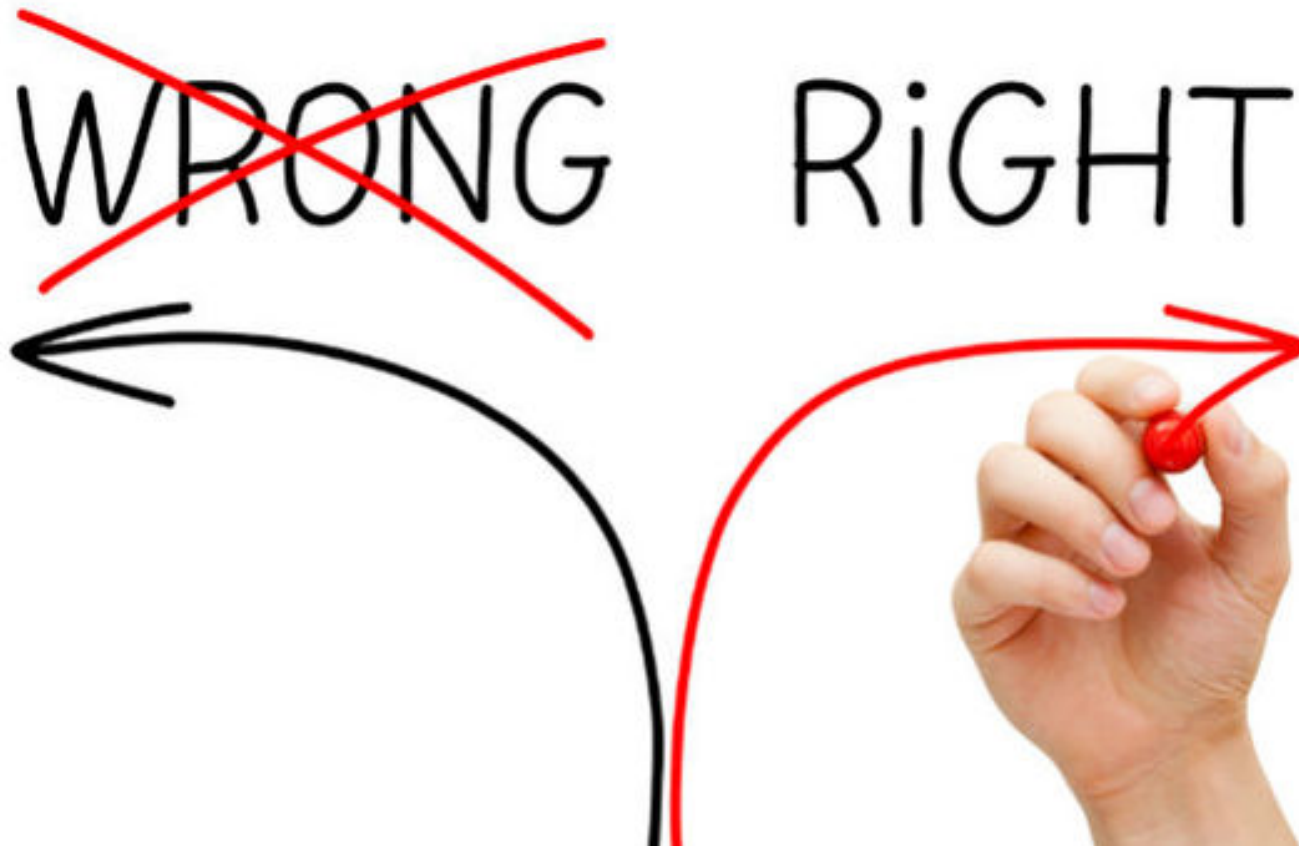


# First results of a Dutch pelagic pilot project on the discard ban

Martin Pastoors, Gerard van Balsfoort, Edwin Van Helmond,  
Harriet van Overzee, Arie de Graaf, Eric Roeleveld, Rob Pronk



# Landing obligation in the new EU fisheries policy is fundamental change in philosophy



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Start with something simple? The pelagic fisheries.

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# 1 January 2015

small pelagic fisheries i.e. fisheries for **mackerel, herring, horse mackerel, blue whiting, boarfish, anchovy, argentine, sardine, sprat; ...**

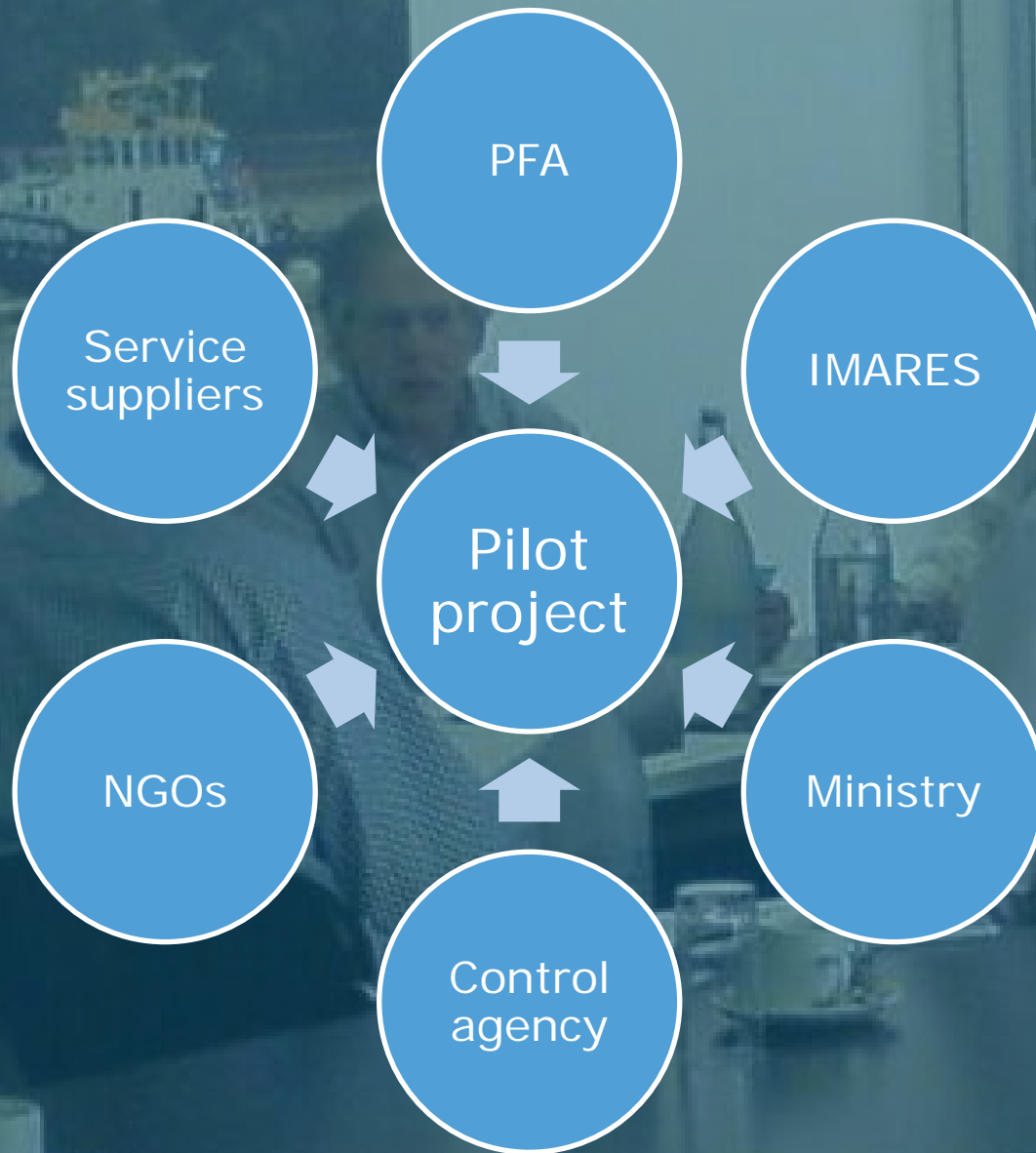
# Pelagic Freezer-trawler Association (PFA) initiative: **practical** pilot for discard ban



# PFA fisheries: efficient food production at sea



# All relevant parties on board



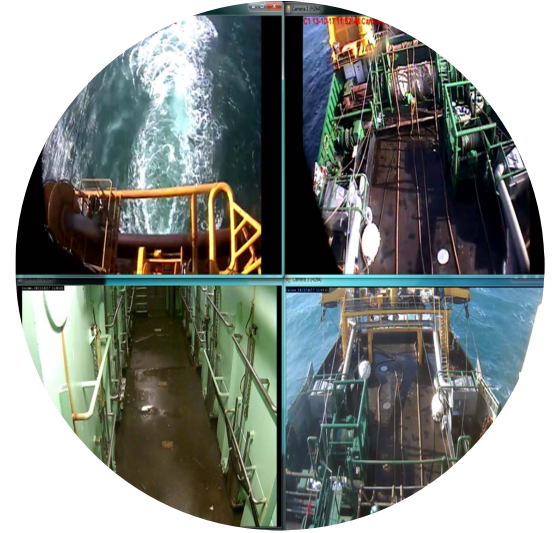
# Three main elements for the pilot project



Avoid



Handle &  
Use



Document &  
control



# Main conclusions (so far)



## Collaborate

- Important to share the real issues; with all parties!
- Transparency!



Avoid

# Two test vessels & two grid types



Carolien (SCH81)



Flex grids



Afrika (SCH24)



Dyneema

Mackerel seem to escape relatively easily



Escaped herring swim with the net, few herring escape

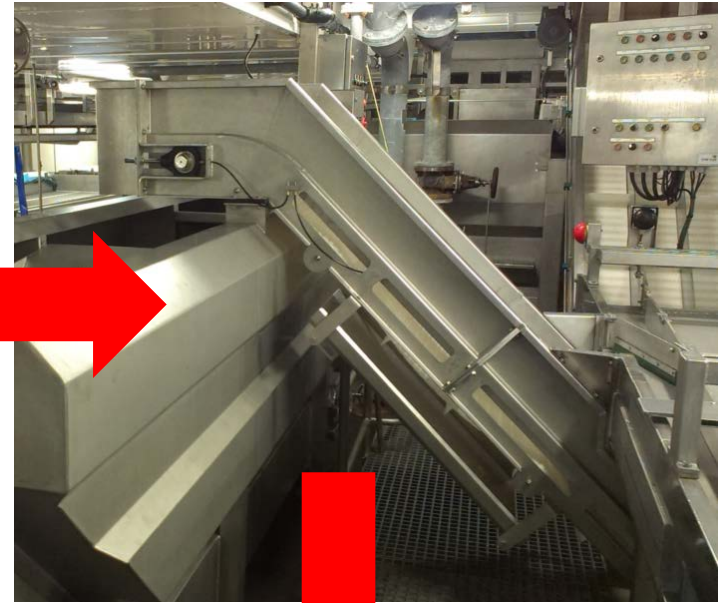


Dyneema netting with fixed distances, no escapees





# Handle & use: mincing discard to fish pulpe



Frozen blocks



IMARES  
WAGENINGEN



# Monitor and control

1 vessel

8 camera's

4 trips

EM + observer + discard samples









This one if for discard composition

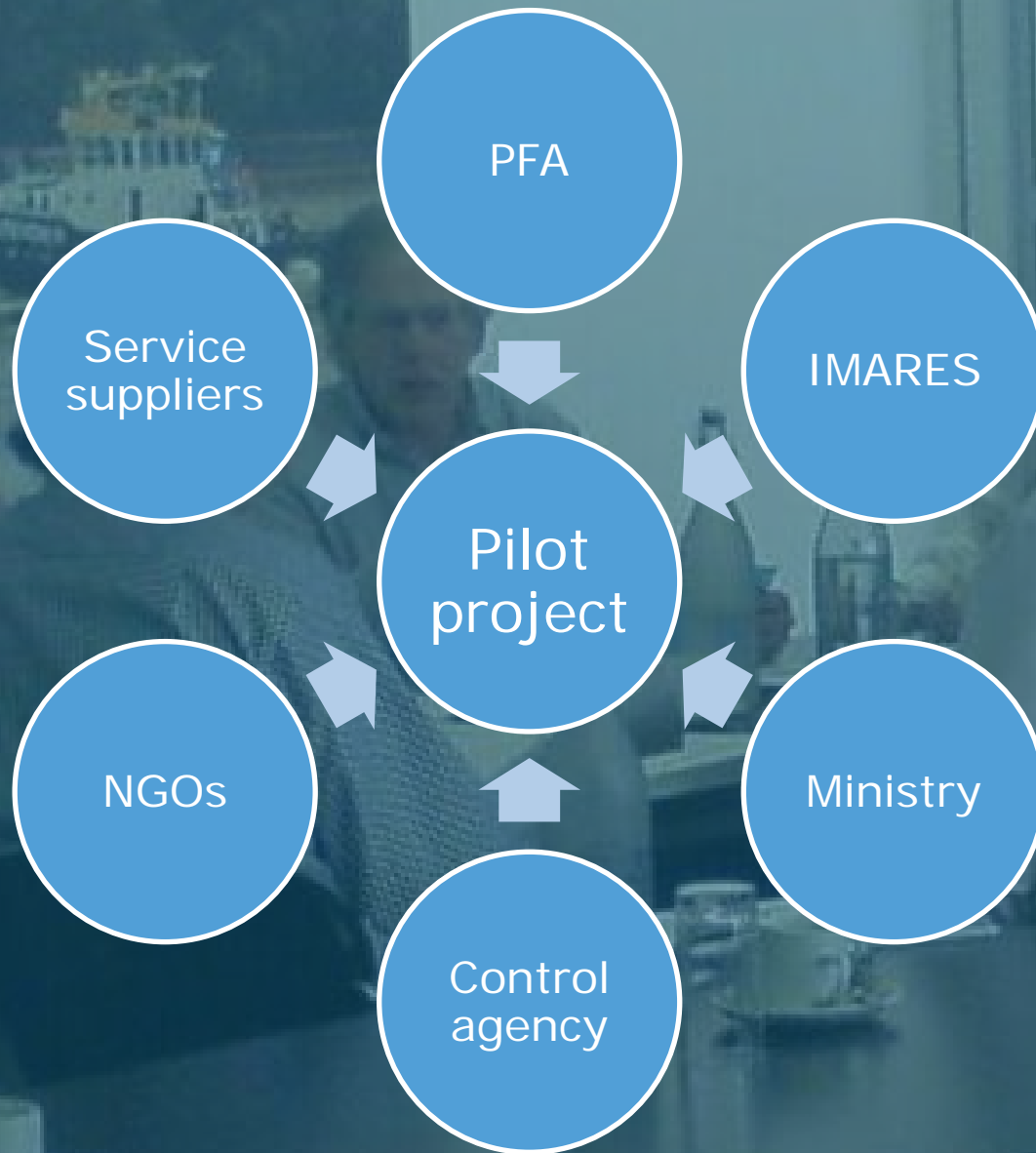


Examples of discards on the conveyor belt

# Conclusions on Electronic Monitoring

- Factory cameras work well
- Rear deck cameras sometimes difficult to interpret
- Learning what it means: switching-off cameras during 'events'
- Can underwater 'events' be seen? (slipping)

# Still much to be learned, but learning together



# Finalizing work

- Project ends March 2014
- Follow up project submitted for national funding

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