Safety in the fishing fleet

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Overview of presentation

- Short overview of the Norwegian fishing fleet
- Fatalities in the Norwegian fishing fleet from 1990-2011
- Injuries in the Norwegian fishing fleet from 2000-2011

Background

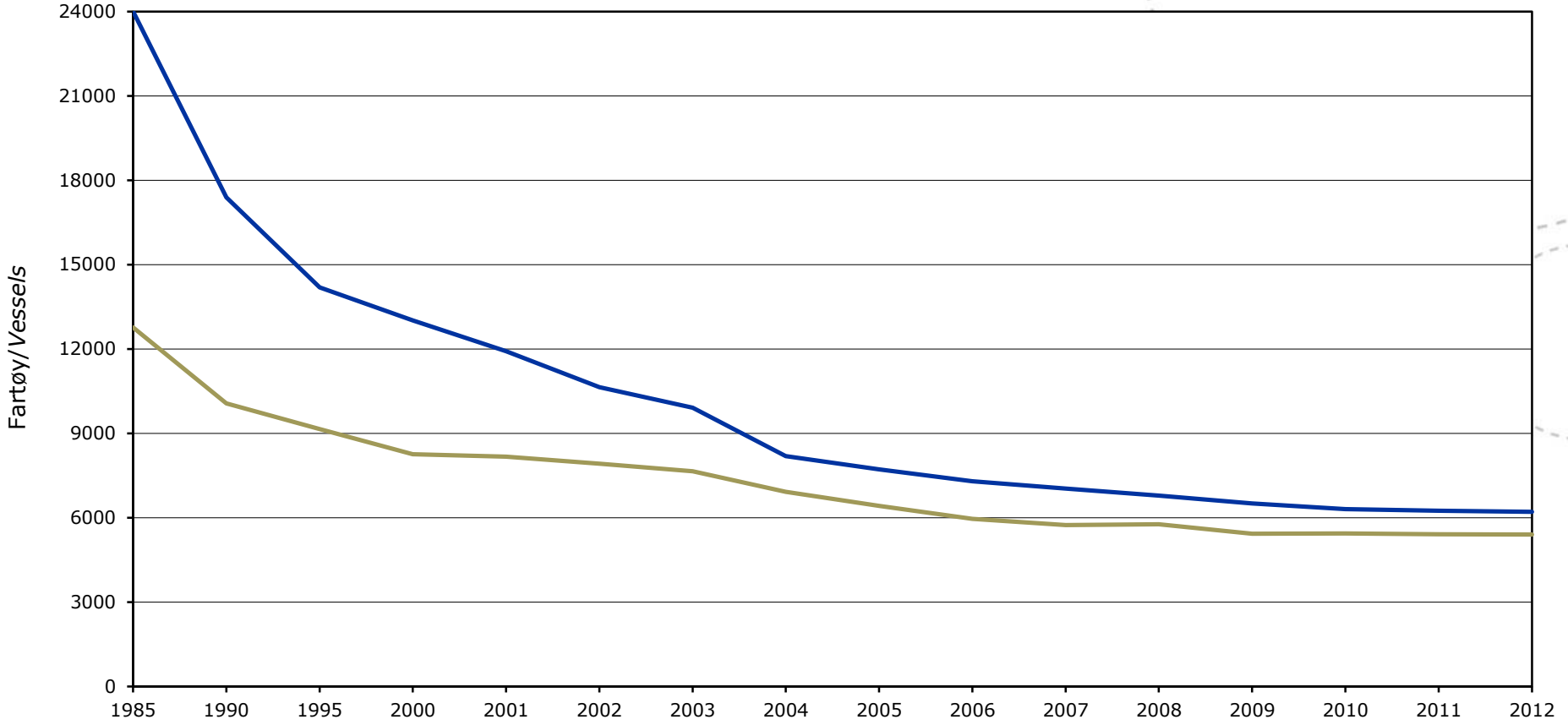
- Accident data at SINTEF Fisheries and Aquaculture
- Previous research projects on HSE in the fisheries
- *Safety assessment of the fishing fleet*, Edgar McGuinness, PhD-student:
  - McGuinness, E, Aasjord, H, Utne, IB, Holmen, IM. 2013. Fatalities in the Norwegian fishing fleet 1990-2011, Safety Science, accepted
  - McGuinness, E., McGuinness, E, Aasjord, H, Utne, IB, Holmen, IM. 2013. Injuries in the Norwegian fishing fleet 2000-2011, Safety Science, in press

Introduction

- Fishing is the most dangerous and difficult of all professional callings.
- This no-doubt is the result of placing an industrial workplace on a moving, oscillating and inherently unstable working platform
- Here hazardous work is conducted in cramped workspaces, on uneven, slippery and cluttered decks, with operations involving heavy fishing gears and mobile rotational machinery.

Aktive fiskefartøy i perioden 1985-2012

Active fishing vessels in the years 1985-2012



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Directorate of Fisheries

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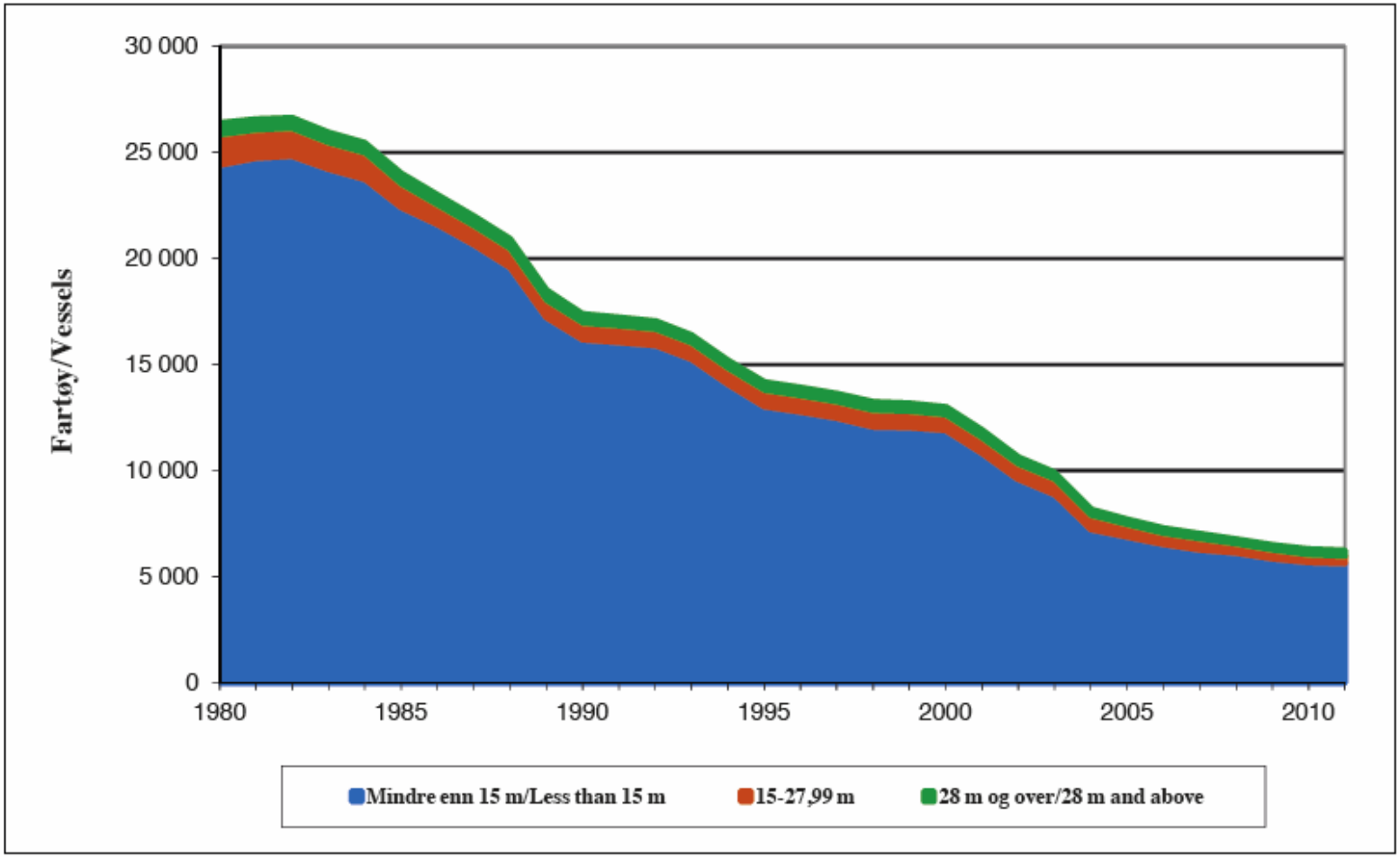
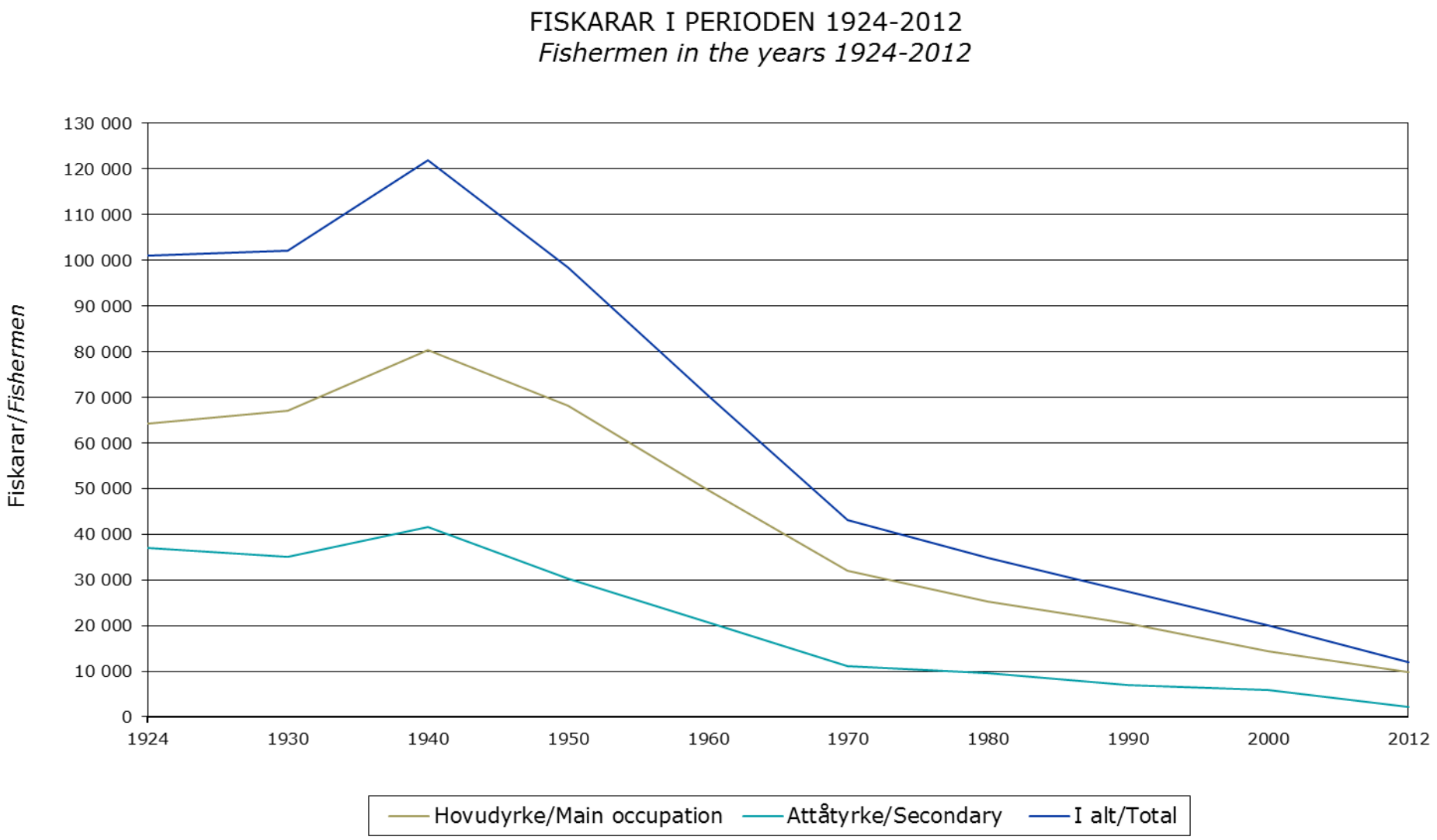
The number of vessels by length groups 1980-2011



Fiskeridirektoratet/Directorate of Fisheries



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The Norwegian fishing fleet

FATALITIES 1990-2011

Journal paper

- McGuinness, E, Aasjord, H, Utne, IB, Holmen, IM. 2013. Fatalities in the Norwegian fishing fleet 1990-2011, Safety Science, accepted
  - Please contact Ingrid B. Utne (ingrid.b.utne@ntnu.no) for more information

Conclusions – fatalities

There has been considerable improvement in the number of fatalities in the fleet

Areas identified as requiring more attention are:

- Small coastal fleet fatalities are of most concern
- Drowning as a result of several types of accidents
- Gillnetting vessels in the small coastal fleet
- Fishers over the age of 40
- Fishing activities during October through April

The Norwegian fishing fleet

INJURIES 2000-2011

Journal paper

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Conclusions – injuries

- The reported number of injuries is steadily falling over time (71% in thirteen years)
- The larger vessel groups have the highest reported injury levels
- Trawlers have the highest reported injury rates
- There is evidence of under-reporting in all fleets
- The months of January, February and March have the highest injury incident rates
- Time of accident occurrence indicates highest risk from 09:00-16:00

Areas identified as requiring more attention and future interventions, are:

- Crush/entanglements while setting or retrieving the fishing gear, highest priority interventions
- The Upper limb as the highest injury rate site, protection and prevention strategies
- Standardized prevention methodologies for the most common injury types
- How can incident rate decline with increased age of fishers be secured and excelerated
- Majority of accidents occurring on deck, smarter design, made safer?