



ROYAL
ASSOCIATION OF
NETHERLANDS
SHIPOWNERS



ONE HUNDRED AND FORTY TOO MANY



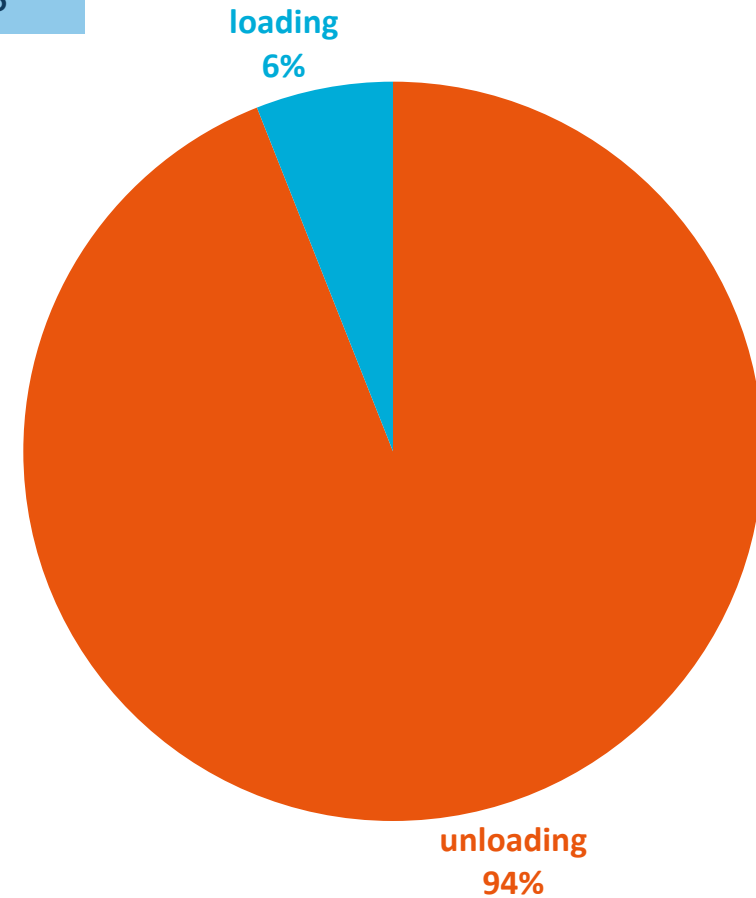
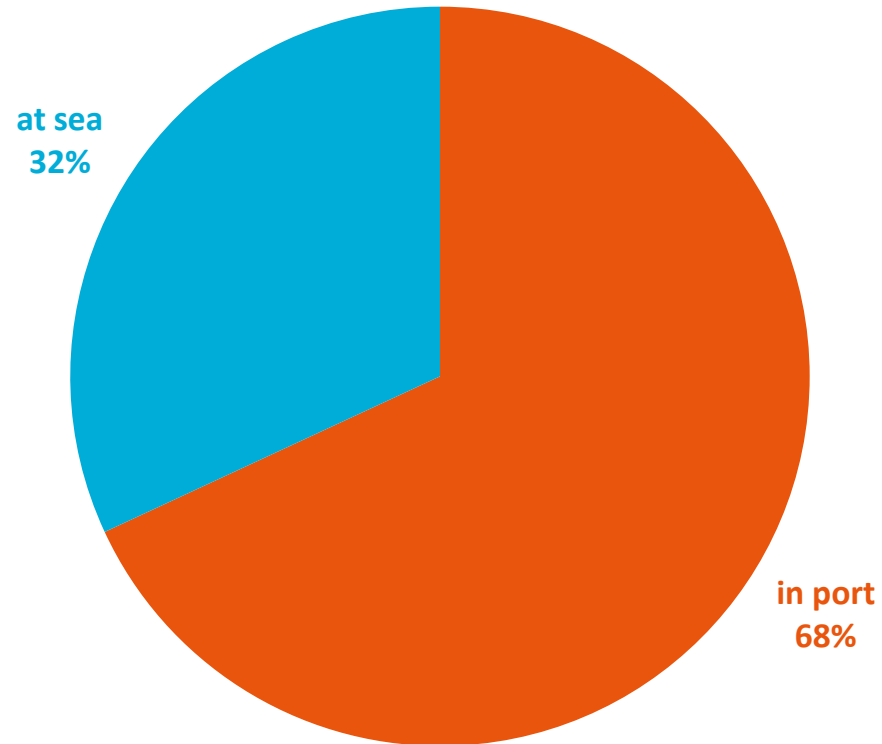
- ▶ Who is the Royal Association of Netherlands Shipowners?
- ▶ How dangerous is the carriage and handling of solid bulk cargoes?
- ▶ How can we together prevent accidents and fatalities from happening again?

we have a
problem
that
we have to
solve

THE PROBLEM: ACCIDENTS...



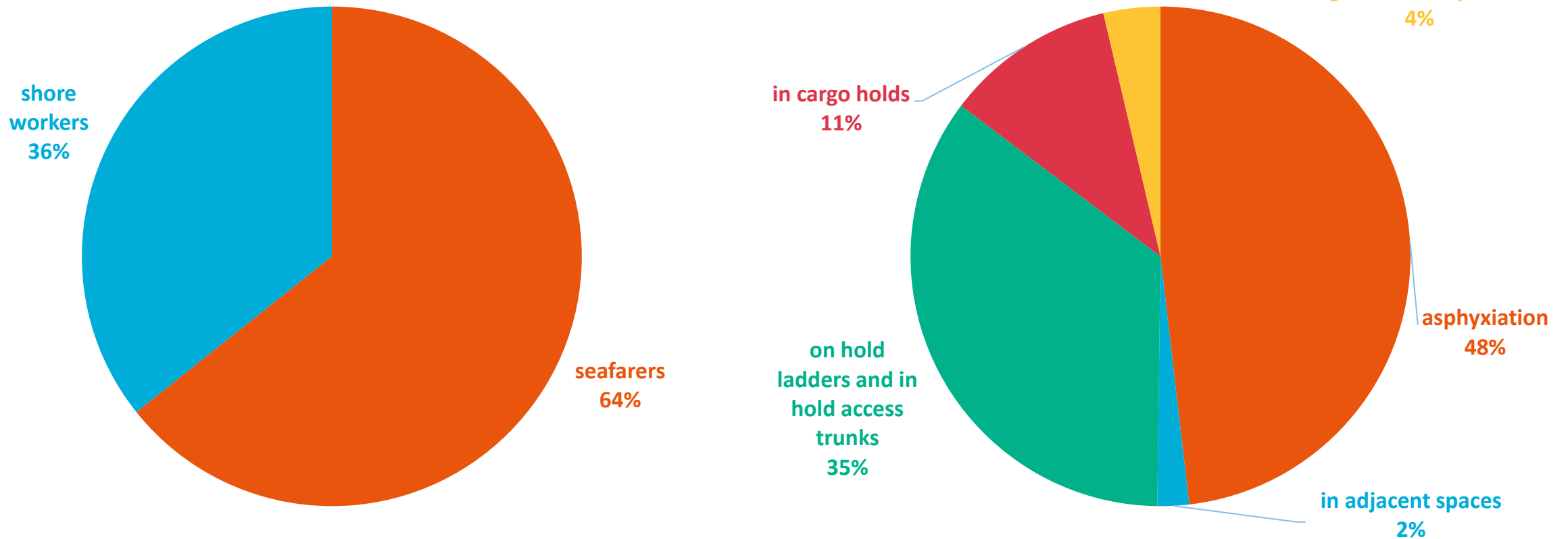
106 accidents 1999-2018



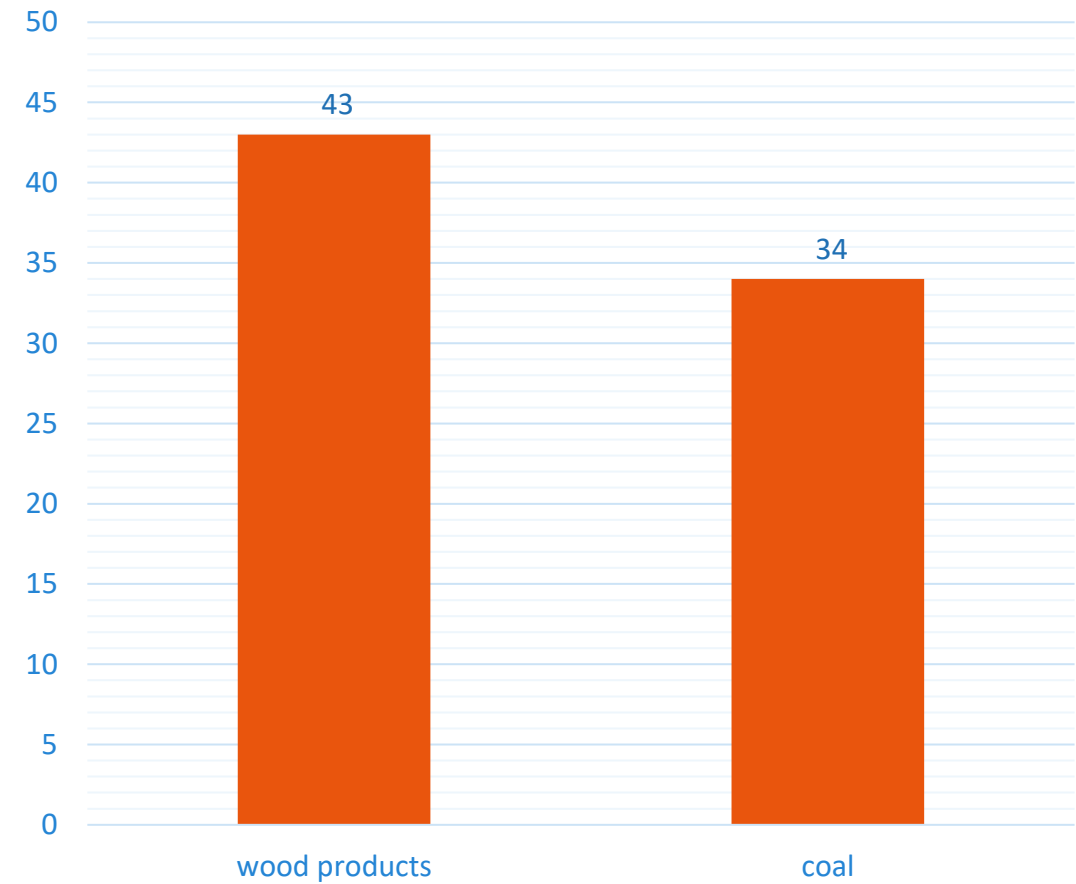
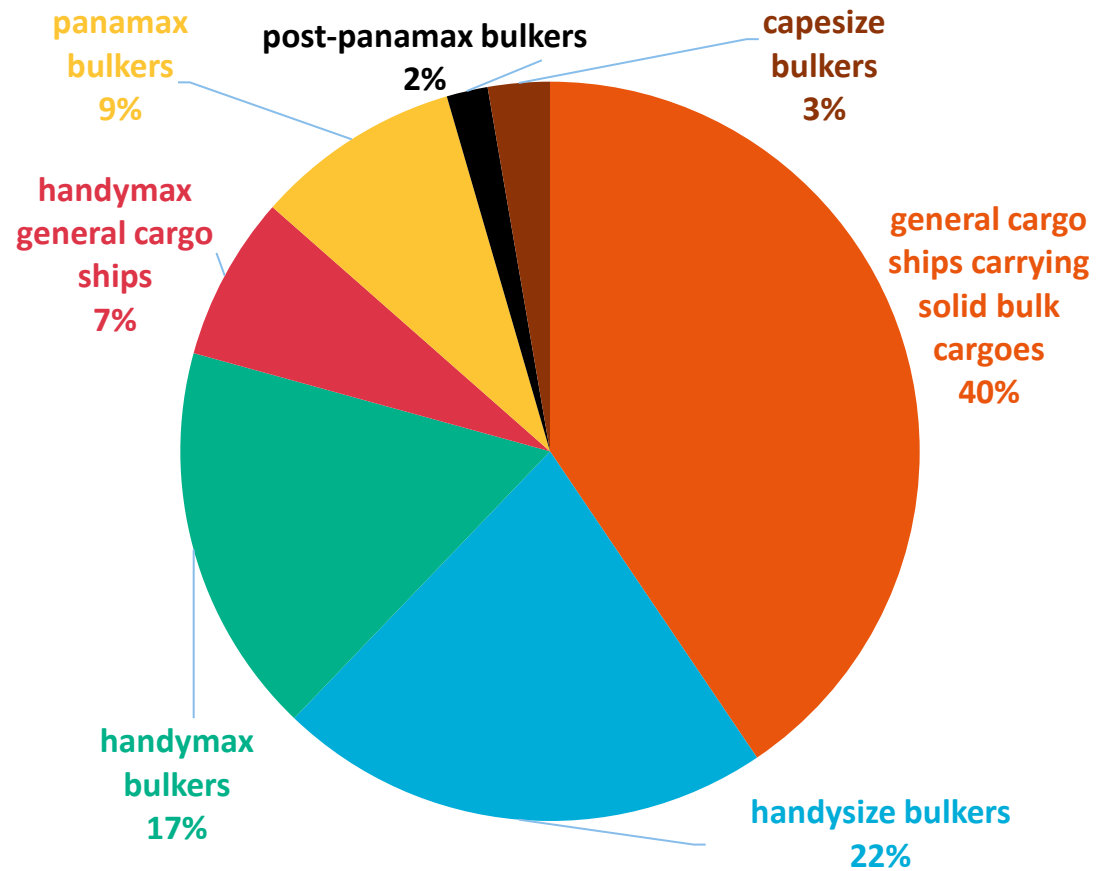
...CAUSING 7 FATALITIES EACH YEAR...



140 fatalities 1999-2018



...INVOLVING SOLID BULK CARGOES



HOW DANGEROUS IS THE CARRIAGE AND HANDLING OF SOLID BULK CARGOES?



Source: Report Dutch Safety Board "Asphyxiated after entering cargo hold, 12 March 2014"

Why are fatalities involving solid bulk cargoes happening over and over again?

And what can we do to prevent this from happening again and again?

SO WE MUST DO MORE TO PREVENT



EXONERATING OURSELVES?



BLAMING THE OTHER?



MORE CHECKLISTS?



NEW REGULATIONS?



STRICTER EXISTING
REGULATIONS?



BETTER IDENTIFICATION AND
ASSESSMENT OF RISKS



TRAINING TELETUBBIES STYLE:
"AGAIN, AGAIN!"



TAKE TIME FOR SAFETY
THROUGHOUT THE
LOGISTICAL CHAIN



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