Incidents with fumigated cargo
Sharing information and lessons learned
What happened?

› December 2019: Barge Fox: shipper and his wife almost killed by fosfine in the wheel house.

› Three other barges loaded with agribulk, too much fosfine
What happened (2)

› Cargo from the vessel Smarta contained fosfine
› Usual checks
› Cargo declared safe after six checks
› After loading barges fosfine was generated again!
› No violation of existing regulations
What happened (3)

› July 2021
› Three barges loaded with agribulk containing fosfine
› Gas was detected by chance
› No victims, but ships out of service for five weeks
› Agribulk arrived in NL by traine
› Criminal offence!
Why is this an offence?

 › RID knows regulations for fumigated transport units
Regulations

- Paragraph 5.5.1 of RID provides for regulations.
- However, no regulations for bulk transport in seagoing vessels or barges.
- ADN is under review for this.
- IMO may expect proposals for new recommendations.
Lessons

› Framing of incidents is as important as reality: agribulk is not a dangerous good!
› Regulations is one thing, but the may construct a virtual reality.
› Integrated approach is necessary
Integrated approach

Pro-action
Prevention
Preparation
Repression
Care
Integrated approach in EU

Guide is a good example of best practices in approach of complicated issues in safety.