

Ferry Safety in Developing Nations

Roberta Weisbrod Ph.D.
Worldwide Ferry Safety Association
TRB Workshop on Ferry Safety
Jan 11, 2015

Ferry Safety in Developing Nations: **Why?**

1. Save lives
2. Opportunities for developed world
3. Need in developed world!

Ferry Safety in Developing Nations

What is being done?

1. IMO & Interferry Ferry Safety Project: Bangladesh
2. IMO Ferry Safety Information-Sharing Forums
3. Worldwide Ferry Safety Association

Interferry IMO Bangladesh Ferry Safety Project

Causes

Overcrowding

Vessel quality

Weather

Untrained crew

Demonstration projects

Pre-ticketing

Database of vessels

NOAA device

Training program

Very modest success &

Lessons were learned...

Training program



Lessons Learned:

Need to find ways to:

- * Improve safety culture against Overloading etc.
(Research market & non-market forces)
- * Improve vessel quality
- * Make weather information accessible
- * Develop/disseminate supplemental training

Worldwide Ferry Safety Association

Following up on Lessons Learned

So what we do:

1. Commission research
2. Sponsor design competition
3. Address safety culture – passenger empowerment
4. Weather information access
5. E-training
6. International advocacy

1. Commission Research

Reports commissioned on:

- * Fatality statistics and causation (posted)
- * Training
- * Weather
- * Market forces safety culture (insurance)
- * Geographic areas: Philippines, Guizhou, Amazon, Tanzania (all posted); others underway

WWW.FERRYSAFETY.ORG/NEWS

2. Design Competition

To address vessel quality:

- * International student design competition
- * Year 1 – Bangladesh River Passenger Ferry
- * Year 2- Papua New Guinea ocean going RoPax
- * Year 3 – September 2015

2. Design competition



3. Safety Culture



3. Safety Culture

Research market and non-market forces

- * Insurance
- * Notoriety

In absence of safety culture, empower passengers

- * Stability App
- * Social media
- * D2D

4. Weather & Wave Info Access



4. Weather & Wave Info Access

On-water Weather and Wave information:

- * 50% of incidents, weather as a cause.
- * Due to lack of information (and or poor judgment)
- * Researching how to achieve universal access to on-water weather and wave information
- * A goal of the Ferry Safety & Technology conference

5. e-Training

e-Training:

- * Defined as training using media
- * Reviewed occupational training issues
- * Analyzed ferry safety training courses
- * Building on best courses (PVA & HE-Alert),
- * Create pilot mobile e-training course for crew
- * Ferry Safety & Technology Conference demo

6. International Policy & Resources

Multilateral dev. banks' \$175 Billion fund

For sustainable transportation in developing nations

* In year 3 of 10

UN High Level Advisory Panel for sustainable transport; **Interferry one of 12 on panel**

* In year 0.5 of 3 years

What needs to happen minimally internationally

IMO & Safety culture

- * Should follow up on forums with newsletters;
- * Should be standard minimum format for casualty reporting;
- * Should publicly track and share incident reporting (like the recent Lima agreement for emissions).

Improving Ferry Safety

Next Steps:

- * This workshop's output
- * Ferry Safety and Technology Conference
April 16-17 in NYC

www.ferrysafetyconference.squarespace.com

Improving Ferry Safety

We want to hear from you!

Worldwide Ferry Safety Association

www.ferrysafety.org

ferrysafety@gmail.com

www.ferrysafetyconference.squarespace.com