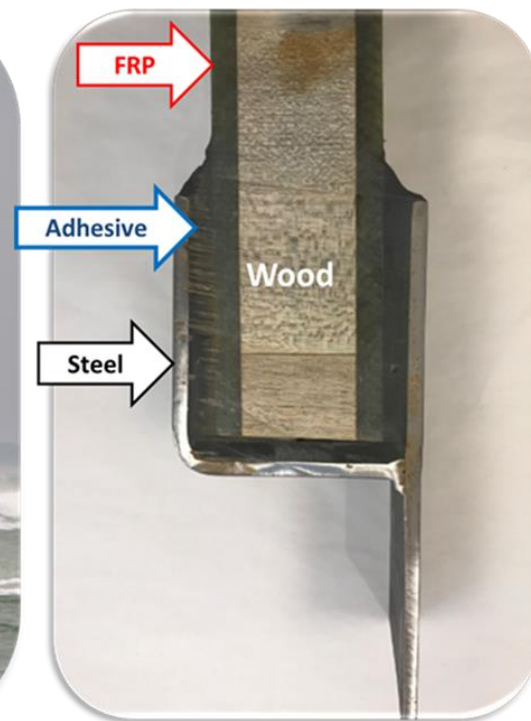


# Guidelines

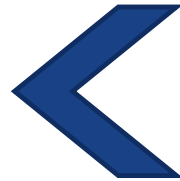


# RELIABILITY

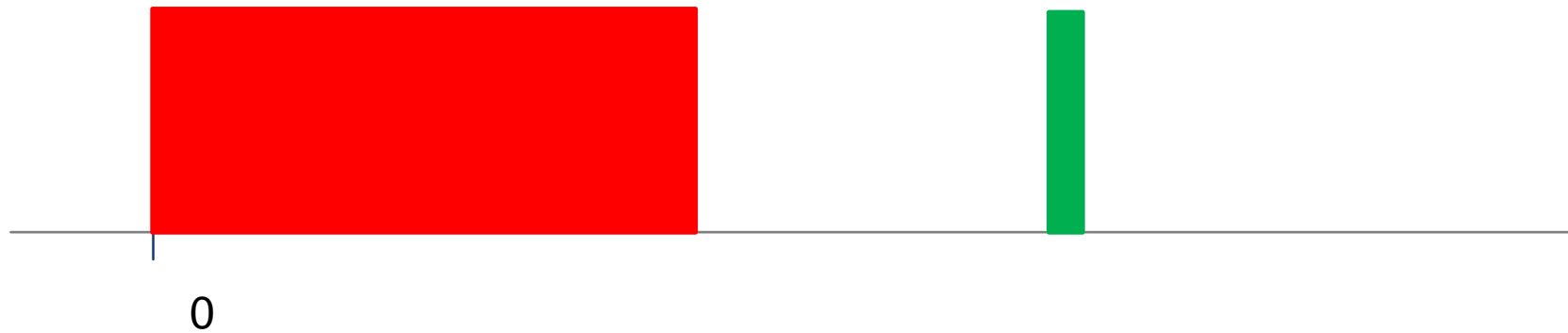
In any possible situation

**SF x**

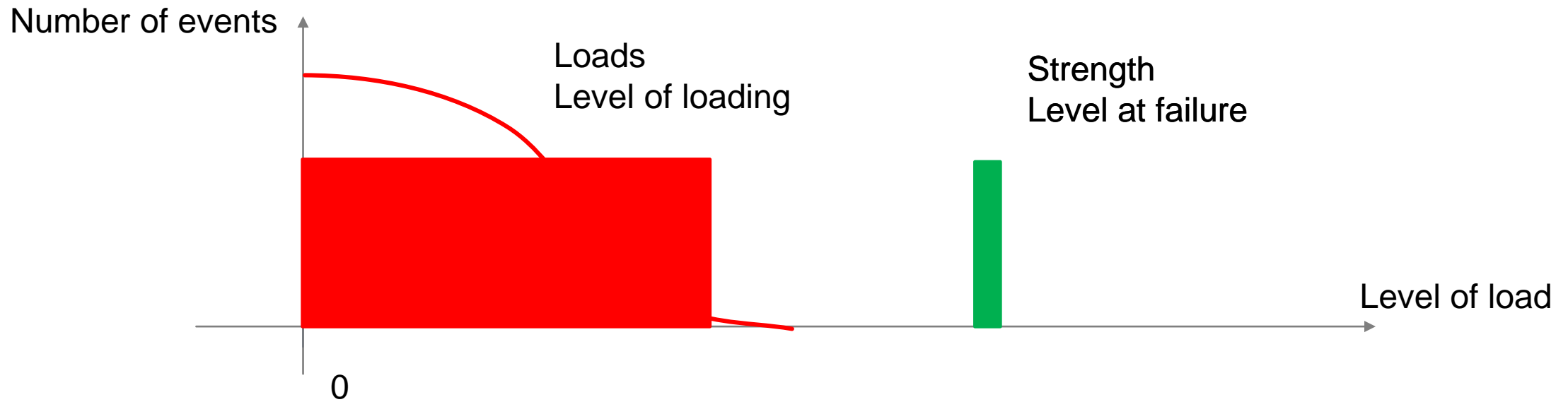
Loads  
Level of loading



Strength  
Level at failure



# RELIABILITY



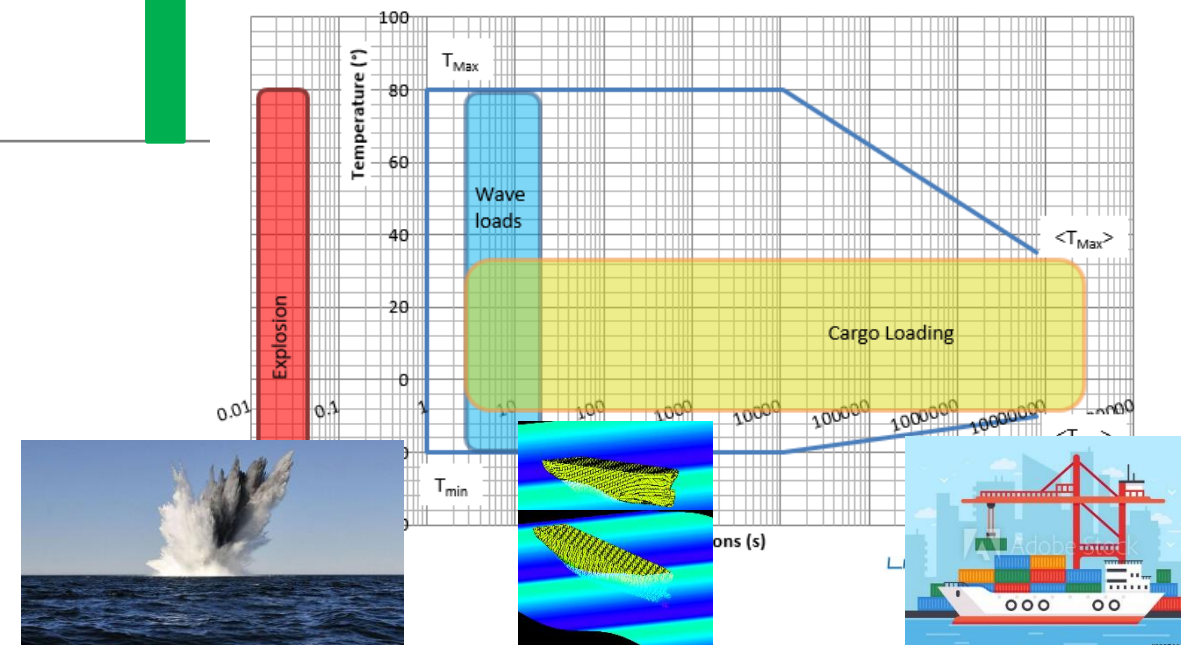
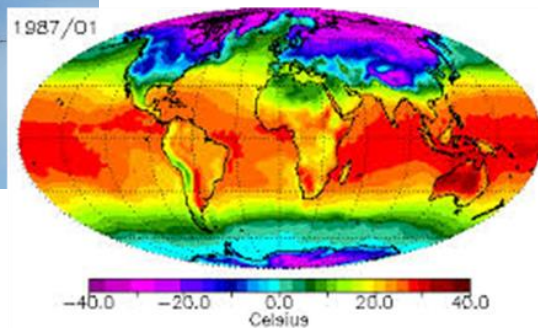
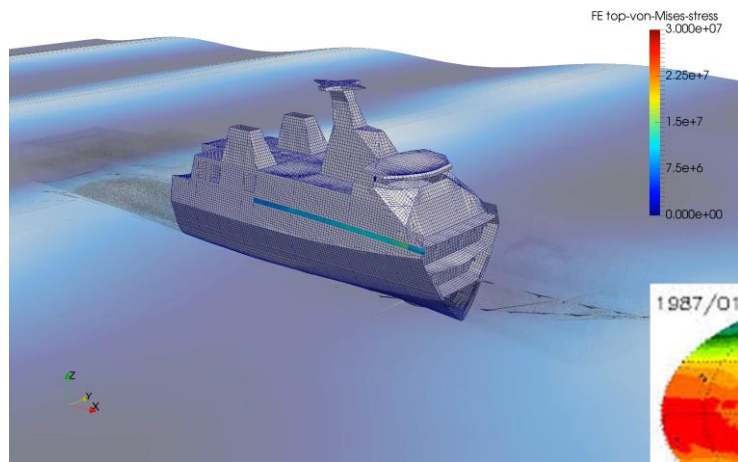
- Specifications
- Design

# RELIABILITY

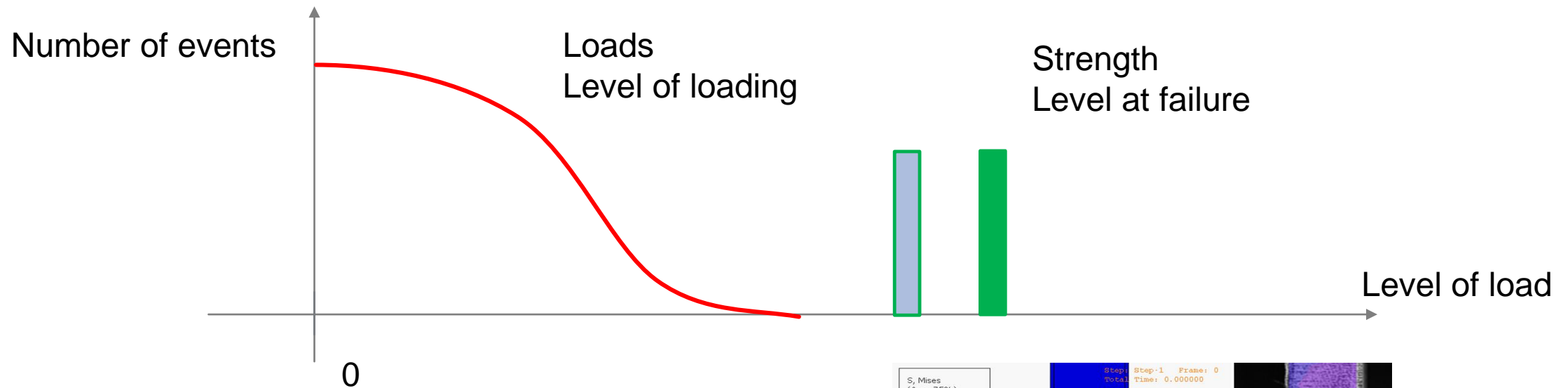
Number of events

Loads  
Level of loading

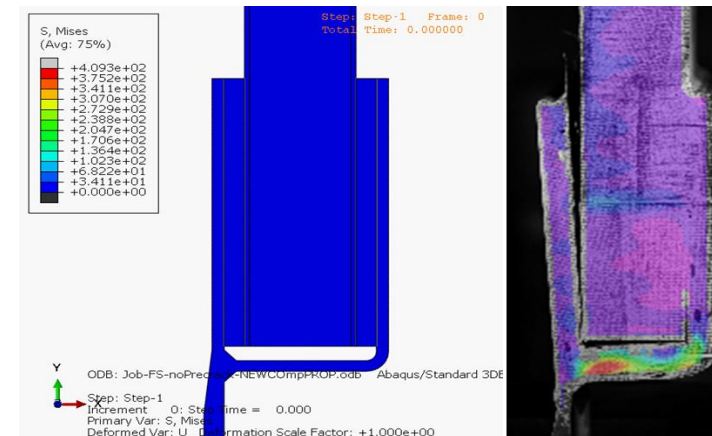
Strength  
Level at failure



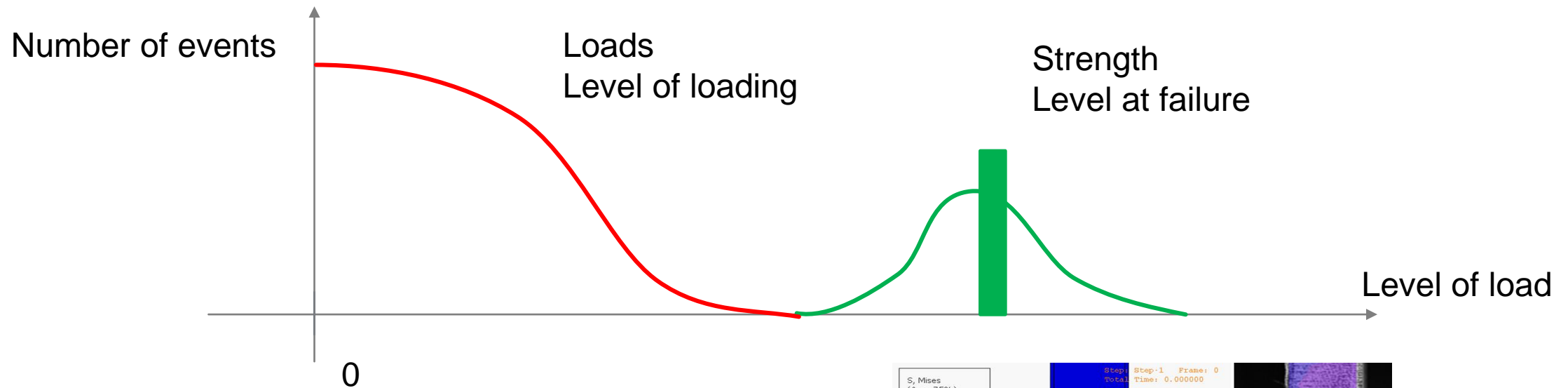
# RELIABILITY



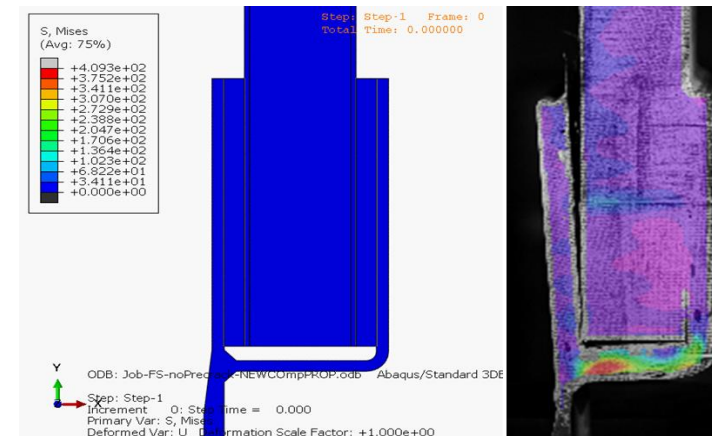
- Specifications
- Design Strength



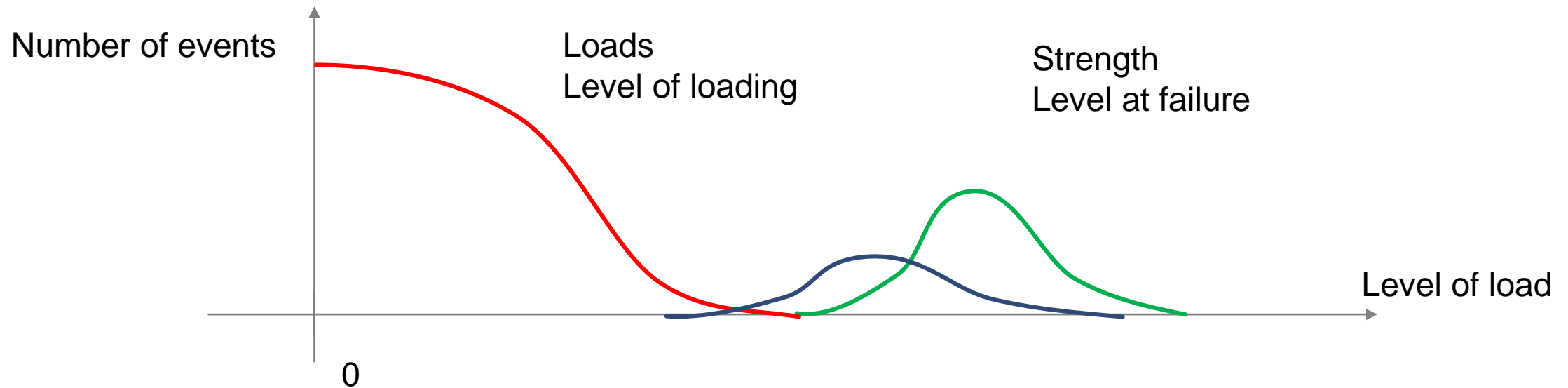
# RELIABILITY



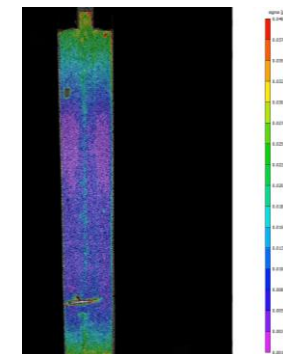
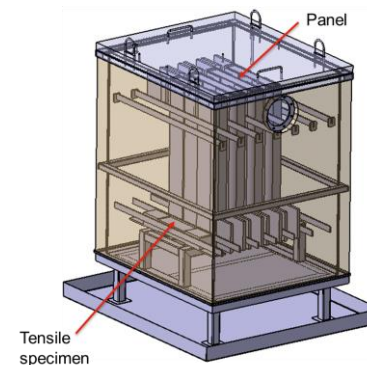
- Specifications
- Design Strength
- Manufacturing



# RELIABILITY



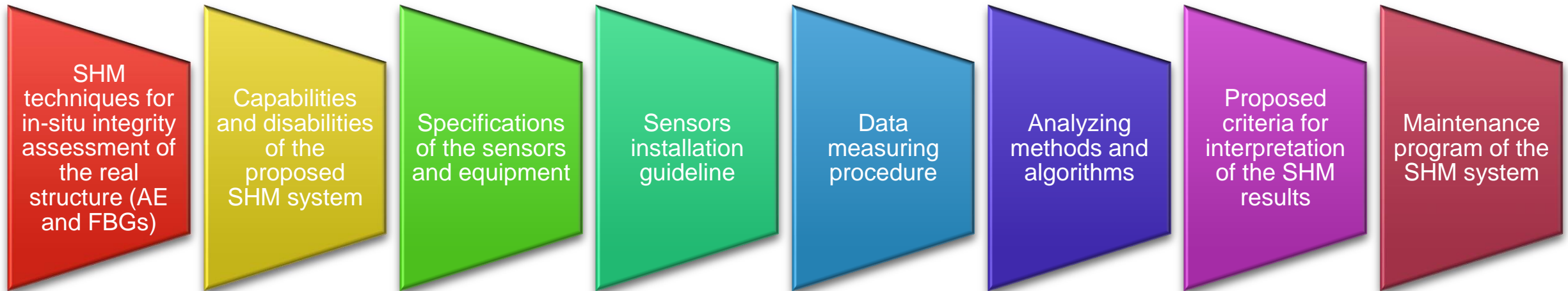
- Specifications
- Design Strength
- Manufacturing
- Durability



# RELIABILITY – SHM

WP2 - Monitoring and inspection protocol → based on results from WP2 tests

Topics:





# RELIABILITY - « CLASSICAL »

Threat,  
Loads,  
Cycles,  
Agression



Safety Factor = 3; 4; 6; 15; ...



**?**

**Acceptable  
level of risk**

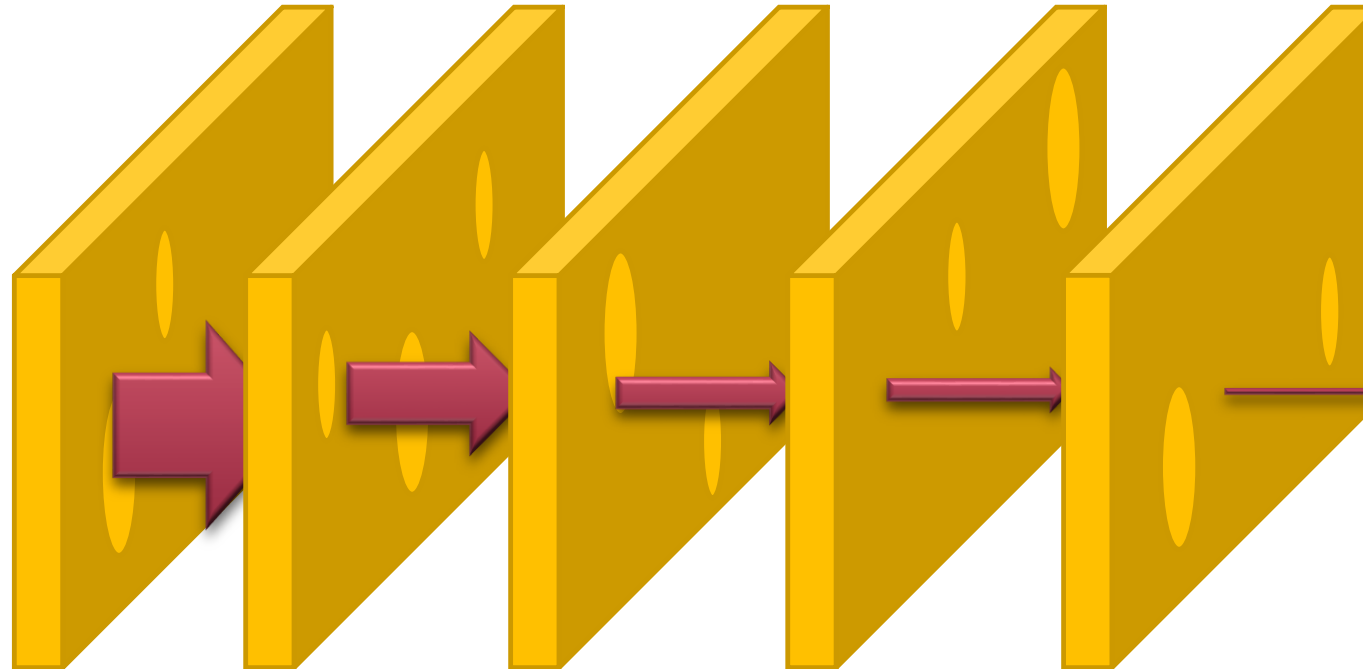
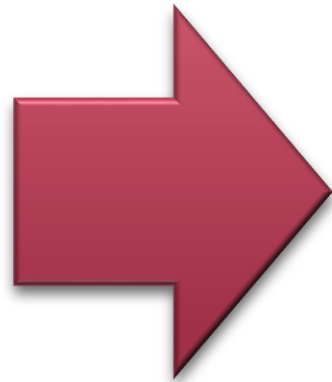
# GUIDELINES D3.3.1



Understanding / Explaining

De-Risking

Threat,  
Loads,  
Cycles,  
Agression



Manufacturing  
quality

Design  
Strength

Sealant  
protected  
joint

Durability  
study

Monitoring  
inspection

**Acceptable  
level of risk**

# GUIDELINES - OUTPUT 7

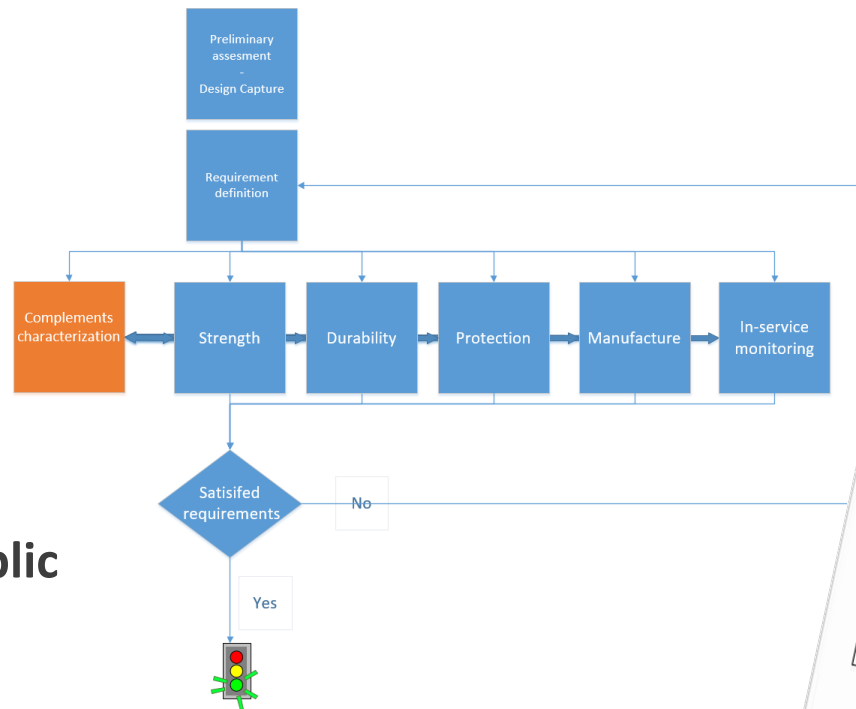
Road map for end users

Qualification of Hybrid Joints

Public Deliverable

November 2021

Final event 23rd November will be public





*This research was carried out within the project “QUALIFY – Enabling Qualification of Hybrid Joints for Lightweight and Safe Maritime Transport”, co-funded by the INTERREG 2SeasMers Zeeën programme*  
<http://www.interreg2seas.eu/qualify>

THANK YOU FOR YOUR ATTENTION!

<https://www.qualify-euproject.com/about-project>

