“Well, that experiment was wrong.”
Defining the scenario

- failure point
- safety margin
- safety limit
- operational margin
- operational value
How much safety margin do you need?

- Human error
- Wrong physics
- New scenarios
- Wrong inputs
- Code bugs

Nominal failure point
- Risk acceptance
- Unknown/unknowns

Safety limit
- Nominal operational value
How pro-active can we be?
Walk in the shoes of a decision maker…

me (decision maker)  ➔  agency leader  ➔  government

advisors ➔  industry ➔  public

ASME 2020 V&V