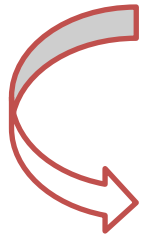




Final notes...

COST

“STPA: 300 causal scenarios”



*FMECA on Space shuttle → 40,000 critical items
(without including software)*

Avionics system – 2200 pages of fault trees!



Final notes...

COST

- 1) Why do people get less from traditional techniques?
 - *They ignore hazards by determining early that they are not “creditable” and the risk is low*
 - *We have found critical scenarios for these hazards!*

- 2) In a top-down technique (like STPA) we can stop when we find an “acceptable solution”
 - *May not have to go to more detailed “causes” or “causal scenarios”*



Final notes...

SCALABILITY

STPA is being done on systems today
for which *traditional techniques* are
impossible or ***impractical***

e.g. US Missile Defense System

European STAMP Steering Board (ESSB)

The primary responsibility of the ESSB is the following:

- Ensure the continuity, quality and merit of the annual European STAMP Workshops
- Decide on future ESW hosts
- Ensure the ESW website properly maintained and up to date
- Maintain cooperation with MIT Complex Systems Research Laboratory

More information: **www.stamp-workshop.eu**

An aerial photograph of the Reykjavik University and STIKI campus during sunset. The main building is a large, modern structure with a curved facade and a central glass-enclosed section. It is surrounded by a large parking lot and green spaces. In the background, there is a large body of water and a cityscape under a colorful sky with orange and blue hues.

Reykjavik University and STIKI

Reykjavik University and STIKI will be hosting the 5th European STAMP Workshop 2017 in Reykjavik, Iceland, in collaboration with the MIT Partnership for a Systems Approach to Safety.

A landscape photograph showing a volcanic field with dark, jagged rocks in the foreground. A bright blue lagoon is visible in the middle ground. In the background, there are several buildings, likely a geothermal power plant, with white smoke or steam rising from them. The sky is blue with some clouds.

Dates:

Wed. Sept. 13 2017:

Introduction and Tutorials

Thu. & Fri. Sept. 14-15 2017:

Talks and Presentations

Sat. & Sun. Sept. 16-17 2017

Sightseeing – Optional

Welcome to Iceland

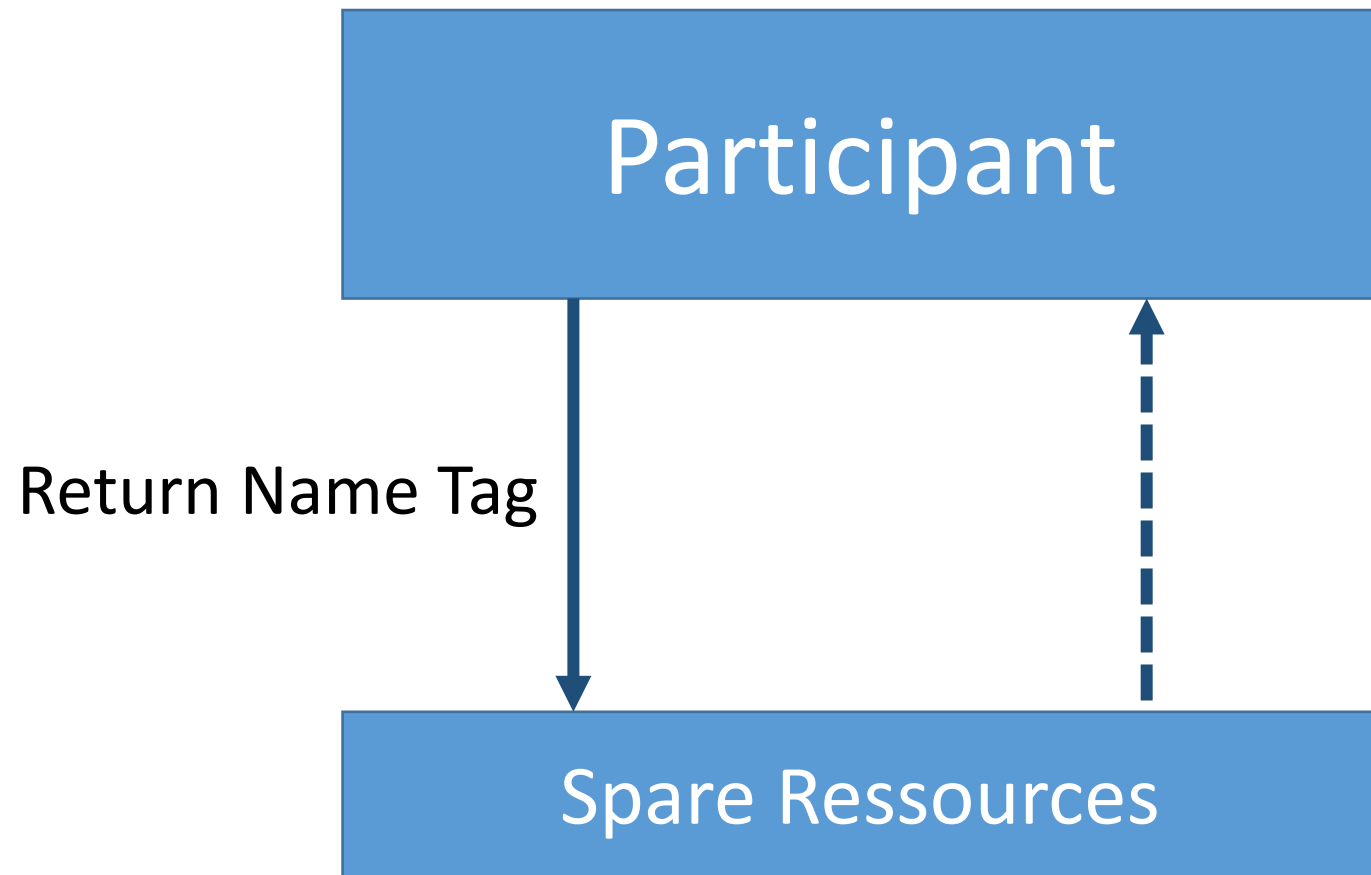


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In [THIS VIDEO](#) you find information about sustainable energy in Iceland and related studies at the Reykjavik University



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- ...
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the Swiss Society of Systems Engineering

the many people presenting their work

all of you for coming and participating

