

Panel 1: Competition or Joining Forces?

Competition

Spend Resources
in Harmonisation
Discussions

More alternatives
Evolution

1
SIMS contain "Business Rules"!! TRUE, FALSE?
IS IT JUSTIFIED TO CARRY THE COST
OF OWN SIMULATOR TO KEEP MY
OWN ONBOARD SW. UNDOCTORED?
HOW MUCH IS A CONTROLLER
ALGORITHM WORTH
W.A.T.
COST OF VALIDATING A SIMULATOR

THE COST TO MODIFY AN
OPEN SOURCE TOOL WON'T BE
LOWER THAN ADAPTING AN
RATIONALIZE THE USAGE OF
A COTS TOOL. - MATHWORKS -

OPEN-SOURCE IS NOT FREE!
USE COTS SOLUTIONS AND
CUSTOMIZE IT. WE CAN
OFFER CONTROL OVER YOUR
NEEDS - MATHWORKS -

Against who?

Us

USE RESOURCES
for new Features
instead Maintenance
of several Solutions

Joined forces
for
new areas of interest

Re
Process / Governance
for early
phase 2. B3

Joined Model
Development Tools

KEY PLAYERS MUST ENFORCE
VENDORS TO WORK TOGETHER
+ ENSURE INTEROPERABILITY

Yes, but first
we need a
joint vision

Join to
⇒ Open Source

OPEN SOURCE, GREAT!
GOVERNANCE?

Open Tool Chains/
OSS / Shared Models
⇒ enabling innovation

Communication overhead
Considerations

1 Day develop ⇒ 5 days to explain to others

Industrials need
competitive
advantage
⇒ Competition

Joining forces in the specification
but competing in the development.

- Most time and money is spent due to gaps
in the system or tool specifications.
- But market evolves when there is competition

Consolidate

Key question is to
identify key differentiating
business value ⇒ kept internal
Other can/should be shared

Own Products
for Primes & Agencies
+
Ref. Solution
for ESA & SMEs

Provide Open Source
Reference Solution but
Build own implementation
for specific Solutions

Joining: We know this
is the way!
BUT UTOPIA

Competition: No we need
at least common values

Competition is a tremendous
stimulus for
innovation
BUT
they have to be proper
competitions

FOR RATION-SIM TO BE SUCCESSFUL,
PRIMES AND MAJOR STAKEHOLDERS MUST
BE PREPARED (HAVE THE WILL) TO
RELINQUISH THEIR USAGE OF THEIR OWN
TOOLS AND METHODOLOGIES.

Co-operation
- Common Standard
- Openness
But still separate

In general, the approach of Joining Forces is welcomed, however accompanied by a number of disclaimers.

At the level of primes competition is envisaged, as simulation provides a differentiating business value. However, for SME not having the resources to develop entire solutions from scratch, reference implementations would be helpful. Competition at the lower levels should also be encouraged, as small companies can be more flexible and may lead innovation in specific areas.

Joining Forces is identified as beneficial especially for innovative developments, not yet covered by the existing tools. Areas such as Model Development Tools, Open Tool Chains and Shared Models we identified having potential for Joining Forces. Before developments can take place, reference architectures shall be agreed and possible standards shall be defined. Also, interoperability of various tool chains shall be ensured.

Open Source has been suggested, especially applicable to reference implementations. However, the governance of Open Source developments has to be considered. Furthermore, Open Source does not mean it will come at no cost, and the usage of COTS products may sometimes be more efficient than tailoring Open Source developments.