



ScrimmageSIM & Stryker:

Utilizing Simulations for Improved Supply Planning

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Agenda

- Enterprise Simulation Planning
 - Benefits of ESP
 - The Four Applications
- ScrimmageSIM Applied
- Conclusions



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- **Enterprise Simulation Planning**
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How are we performing and how will we perform?



Enterprise Simulation Planning (ESP)

- Enables business to...
 - See performance under future demand
 - Evaluate potential alternate supply chain structures
 - Evaluate potential alternate supply chain policies
 - Reduce risk inherent to strategy changes
 - Encourage continuous improvement

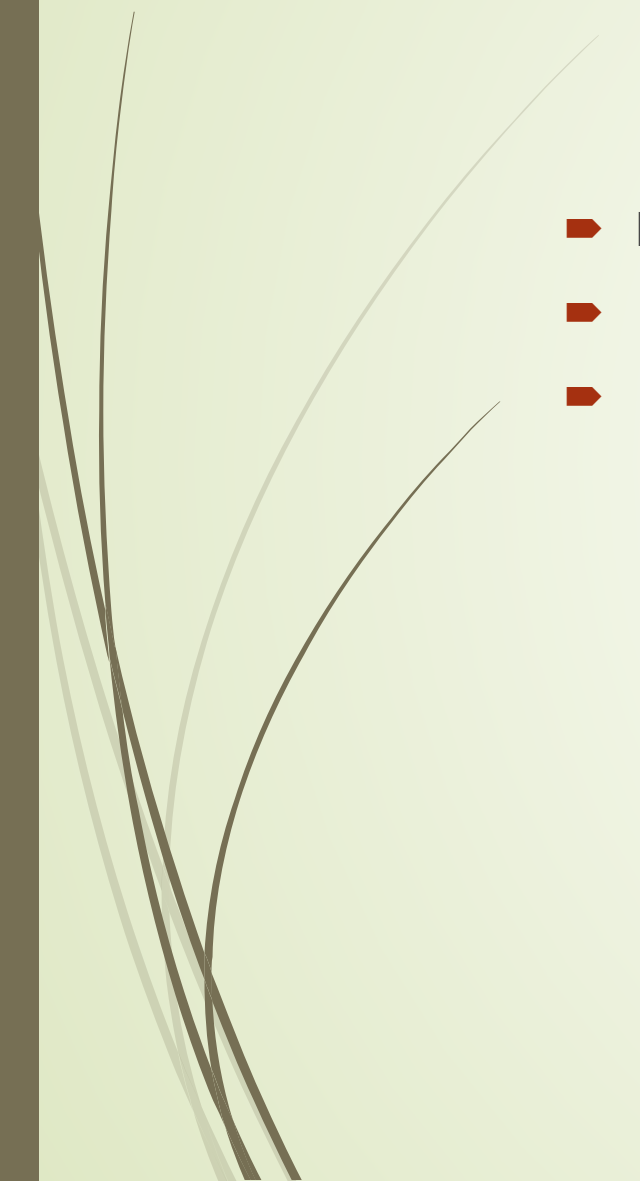


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Benefits of ESP

- Providing a tool to a wide-spectrum of employees
 - Reducing/eliminating consequences of testing in a live environment
 - Flexibility in use
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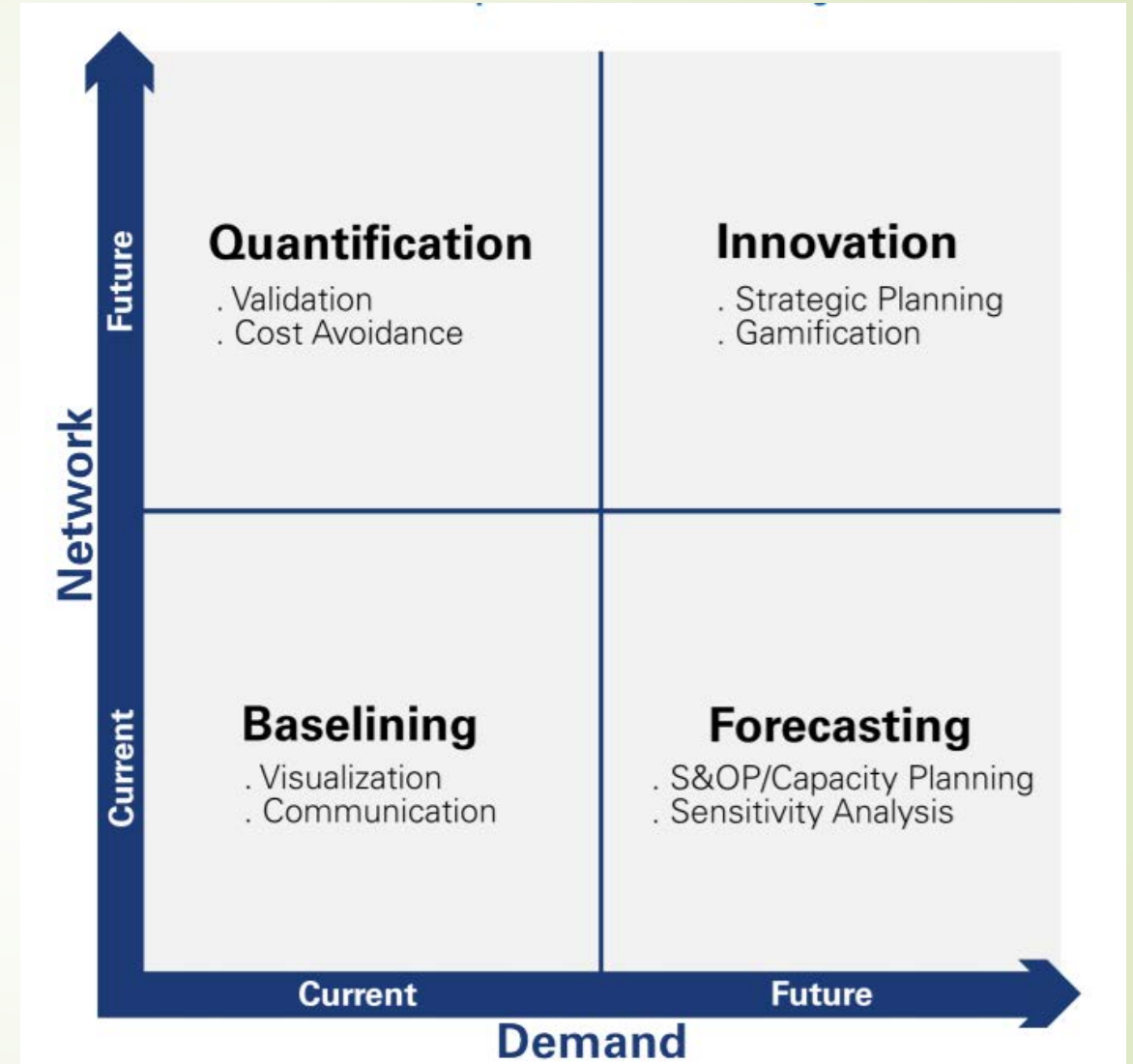


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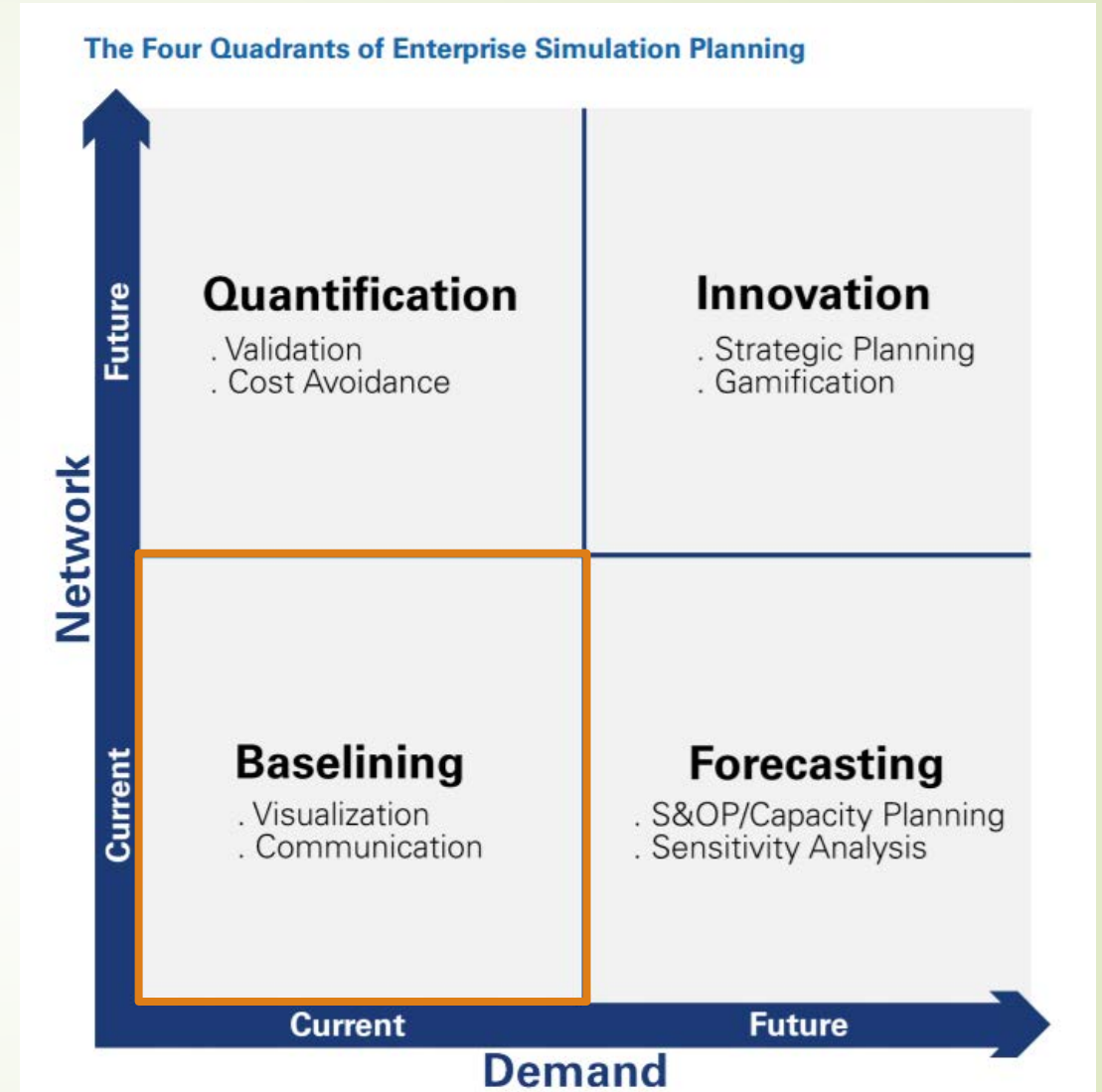
The Four Applications

- Network
 - Structures and policies under which the supply chain operates
- Demand
 - Customer demand, stock that needs to be replenished or components that are scheduled for delivery



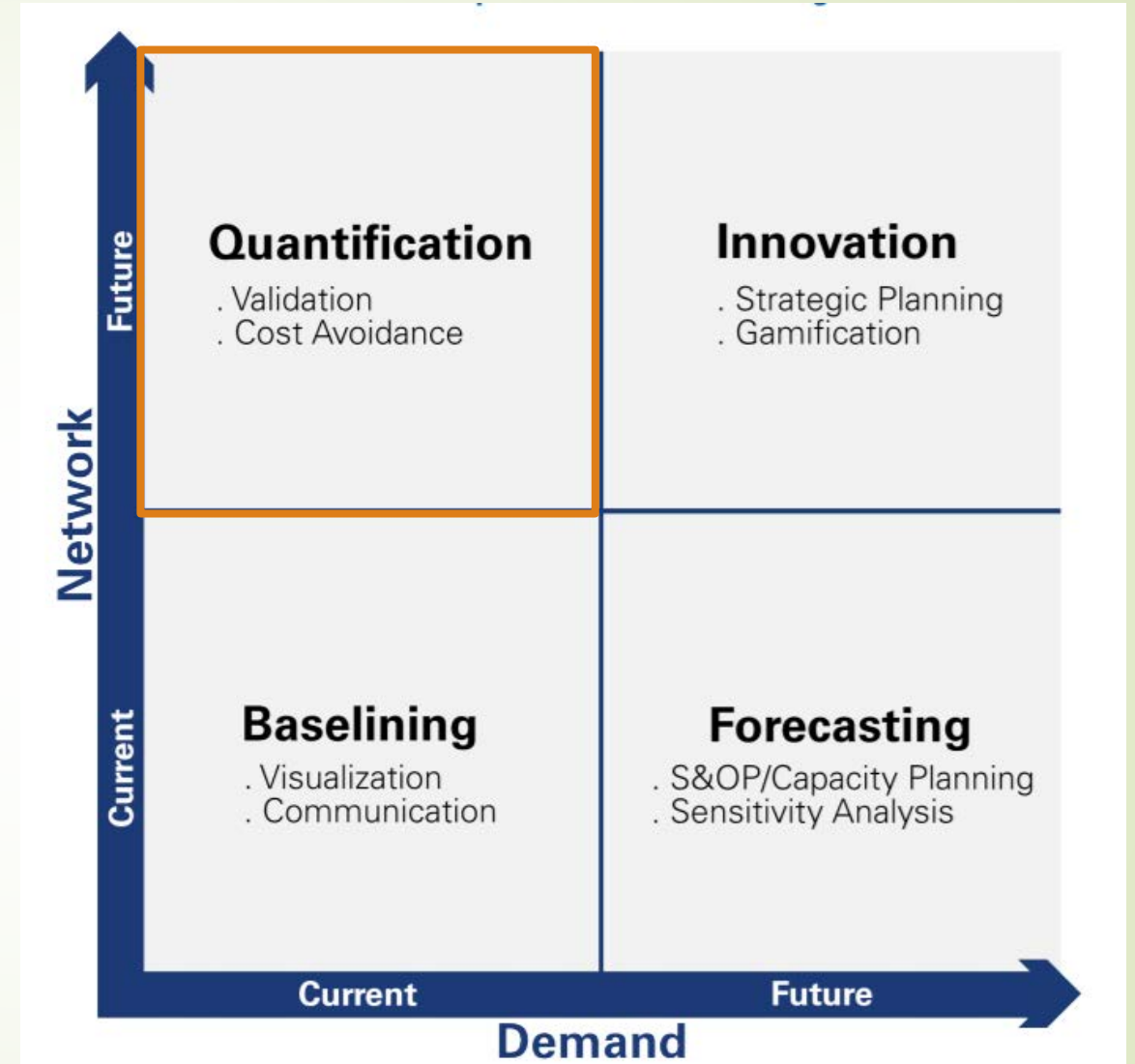
Baselining

- Visualization
 - See the structure of current supply chain and how the supply chain behaves
- Communication
 - Discussing current state with stakeholders
 - Agreement upon current state



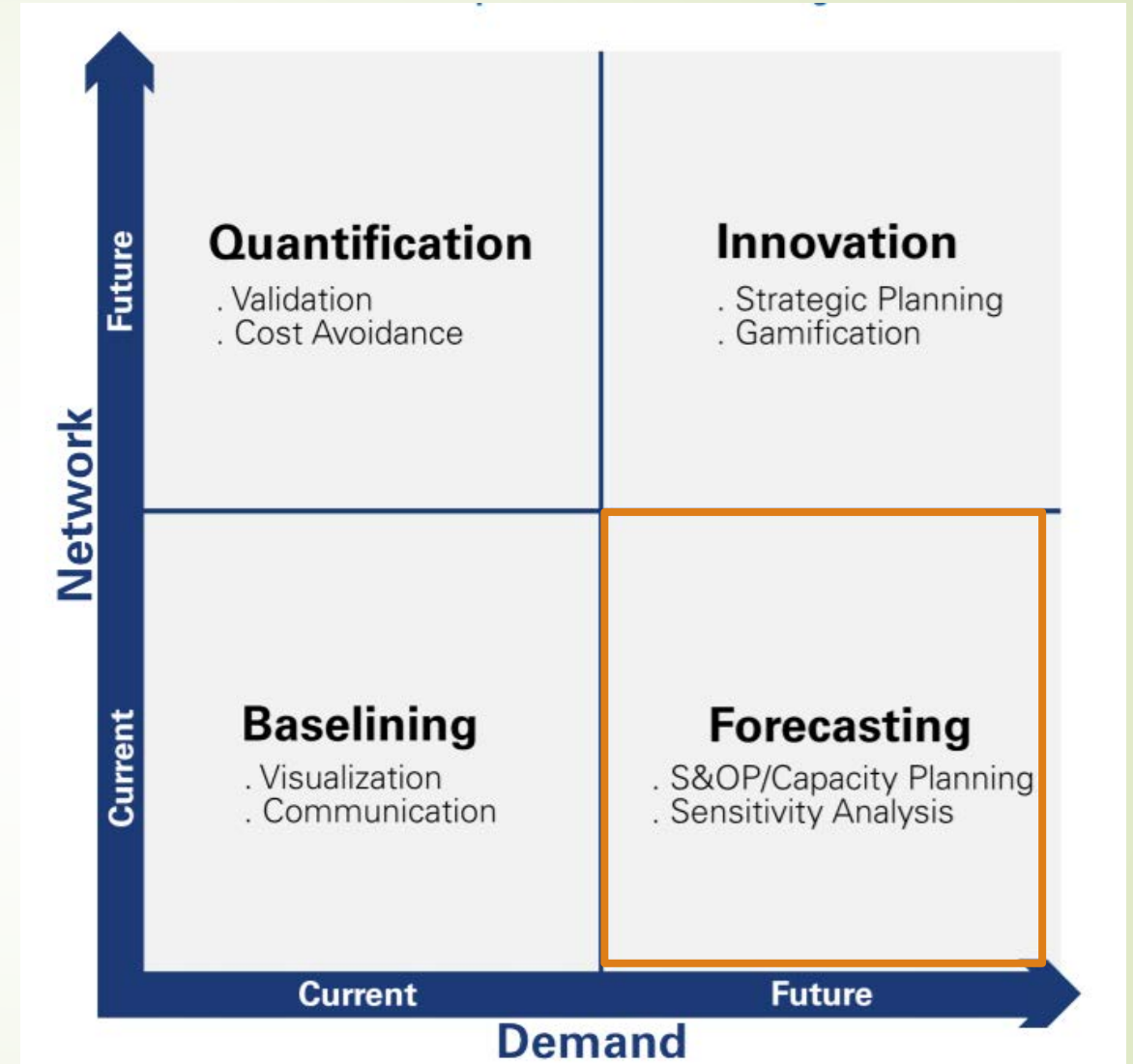
Quantification

- Validation
 - Reducing risk of live environment consequences
- Cost Avoidance
 - Reduce risks of supply chain decisions gone bad



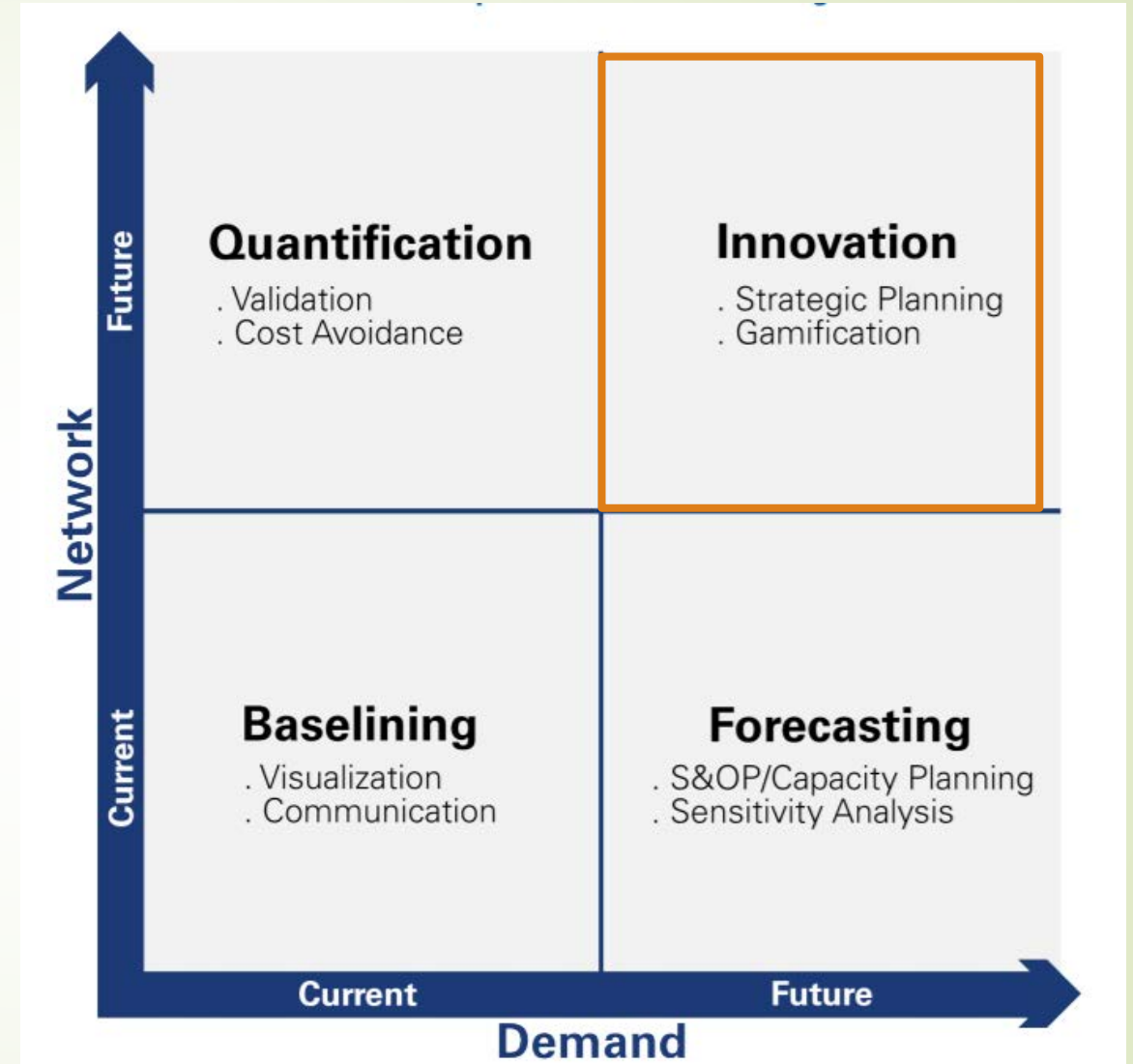
Forecasting

- S&OP/Capacity Planning
 - Resource limitations
- Sensitivity Analysis
 - Determine various operational strategies based on variation



Innovation

- Strategic Planning
 - New locations
 - Mergers
- Gamification
 - Encouraging Enagement





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ScrimmageSIM Applied

- Baselineing
 - Master Data setup to actuals
- Quantification
 - What if's for production
- Forecasting
 - Demand changes
- Innovation
 - What next?



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Conclusions

- Discussed
 - ESP
 - Benefits
 - Applications
 - ScrimmageSIM
- Next Steps
 - Continue development in ScrimmageSIM



Thank you! Any Questions?