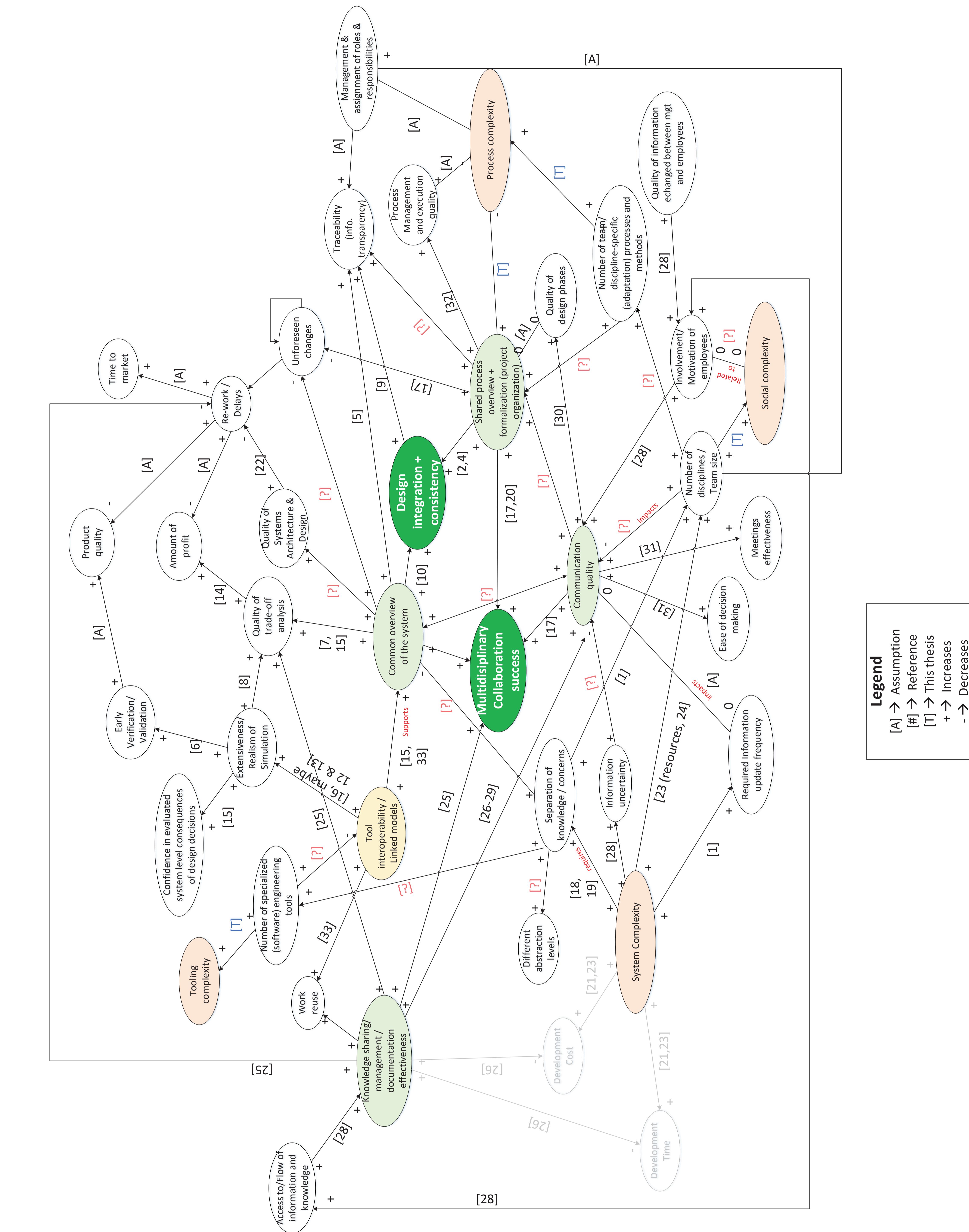


References
Xu, Y., & Li, J. (2010). "A reference model to understand current situation: an experiment on the effect of multi-actor coupled design," *Res. Eng.*



ferences

- [1] P. T. Grogan and O. L. de Weck, "Collaboration and complexity: an experiment on the effect of multi-actor coupled design," *Res. Eng.* **2016**, vol. 27, no. 3, pp. 221–235, 2016.

[2] C. Lankeit, V. Just, and A. Trachtler, "Consistency analysis for requirements, functions, and system elements: Requirements for the entire development process," *10th Annu. Int. Syst. Conf. SysCon 2016 - Proc.*, 2016.

[3] M. Schmit, S. Briceno, K. Collins, D. Mavris, K. Lynch, and G. Ball, "Semantic design space refinement for model-based systems engineering," *10th Annu. Int. Syst. Conf. SysCon 2016 - Proc.*, 2016.

[4] W. Edmonson, J. Chenou, N. Neogi, and H. Herencia-Zapana, "Small satellite systems design methodology: A formal and agile design process," *Syst. Conf. (SysCon), 2014 8th Annu. IEEE*, pp. 518–524, 2014.

[5] M. Jackson, M. Wilkerson, and J. F. Castet, "Exposing hidden parts of the SE process: MBSE patterns and tools for tracking and traceability," *IEEE Aerosp. Conf. Proc.*, vol. 2016-June, no. June 2015, 2016.

[6] T. Woo, "The importance of collaboration in Mechatronics," 2016.

[7] G. Bleakley, A. Lapping, and A. Whitfield, "6.6.2 Determining the right solution using SysML and model based systems engineering (MBSE) for trade studies," *INCOSE Int. Symp.*, vol. 21, no. 1, pp. 783–795, 2011.

[8] E. Brusa and D. Ferretto, "Impact of the MBSE on the design of a mechatronic flywheel-based energy storage system," *ISSE 2016 - 2016 Int. Symp. Syst. Eng. - Proc. Pap.*, 2016.

[9] D. Heber and M. Groll, "Towards a digital twin: How the blockchain can foster E/E-traceability in consideration of model-based systems engineering," *Proc. 21st Int. Conf. Eng. Des. (ICED17), Vol. 3 Prod. Serv. Syst. Des.*, vol. 3, no. DS87-3, pp. 321–330, 2017.

[10] S. J. I. Herzig, U. States, and A. Reichwein, "a Conceptual Framework for Consistency Management in Model-Based Systems Engineering," *Proc. ASME 2011 Int. Des. Eng. Tech. Conf. Comput. Inf. Eng. Conf.*, no. January, pp. 1–11, 2011.

[11] K. Vanherpen et al., "Ontological reasoning for consistency in the design of cyber-physical systems," *2016 1st Int. Work. Cyber-Physical Prod. Syst. CPPS 2016*, 2016.

[12] J. Lefèvre, S. Charles, M. B. Mauchand, B. Eynard, and É. Padiolleau, "Multidisciplinary modelling and simulation for mechatronic design," *J. Des. Res.*, vol. 12, no. 1/2, p. 127, 2014.

[13] A. Tolk, S. Y. Diallo, I. O. Ryzhov, L. Yilmaz, S. Buckley, and J. A. Miller, "Tutorial: information and process modeling for simulation," *Proc. 2014 Winter Simul. Conf. - , WSC 2014*, pp. 103–117, 2014.

[14] A. Kühn, C. Bremer, R. Dumitrescu, and J. Gausemeier, "Feature models supporting trade-off decisions in early mechatronic systems design," pp. 835–844, 2014.

[15] P. G. Larsen, J. Fitzgerald, J. Woodcock, C. Gamble, R. Payne, and K. Pierce, "Features of integrated model-based co-modelling and co-simulation technology," in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Informatics)*, 2018, vol. 10729 LNCS, pp. 377–390.

[16] H. Van der Auweraer, J. Anthonis, S. De Bruyne, and J. Leuridan, "Virtual engineering at work: the challenges for designing mechatronic products," *Eng. Comput.*, vol. 29, no. 3, pp. 389–408, Jul. 2013.

[17] R. Haberfellner et al., "Process Models: Systems Engineering and Others," in *Systems Engineering*, C. Birkhäuser, Ed. Springer International Publishing, 2019, pp. 27–98.

[18] A. Garro and A. Tundis, "Modeling of system properties: Research challenges and promising solutions," in *1st IEEE International Symposium on Systems Engineering, ISSE 2015 - Proceedings*, 2015, pp. 324–331.

[19] T. Yue, S. Ali, and B. Selic, "Cyber-physical system product line engineering," *Proc. 19th Int. Conf. Softw. Prod. Line - SPLC '15*, pp. 338–347, 2015.

[20] M. Pasquinelli, L. Molina-Tanco, A. Reyes-Lecuona, and M. Cencetti, "Extending the System Model," in *Dynamics of Long-Life Assets: System Technology Adaptation to Upgrading the Business Model*, S. Grösser, A. Reyes-Lecuona, and G. Granholm, Eds. 2017, pp. 169–189.

[21] S. Li, H. El-Mounayri, W. Zhang, B. Schindel, and J. Sherey, "Implementation of Systems Engineering Model into Product Lifecycle Management Platform," 2016.

[22] S. Kriebel, J. Richenhagen, C. Granrath, and C. Kugler, "Systems Engineering with SysML The Path to the Future?," *MTZ Worldw.*, vol. 1, no. 5, pp. 44–47, May 2018.

[23] H. Hick, M. Bajzek, and C. Faustmann, "Definition of a system model for model-based development," *SN Appl. Sci.*, vol. 1, no. 9, pp. 1–17, Sep. 2019.

[24] R. Mordiny, D. Winkler, F. Waltersdorfer, S. Scheiber, and S. Biffl, "Integrating heterogeneous engineering tools and data models: A roadmap for developing engineering system architecture variants," in *Lecture Notes in Business Information Processing*, 2015, vol. 200, pp. 107–107.

[25] T. Boge and K. Falk, "A3 Architecture Views-A Project Management Tool?," in *29th Annual INCOSE International Symposium, 2019*, pp. 971–987.

[26] W. qiang Li and Y. Li, "A study on the collaborative management method of product design cycle knowledge," *Multimed. Tools Appl.*, vol. 77, no. 21, pp. 27877–27894, Nov. 2018.

[27] S. Sukumaran and K. Chandran, "The unspoken requirements - eliciting tacit knowledge as building blocks for knowledge management systems," *Lect. Notes Bus. Inf. Process.*, vol. 224, pp. 26–40, 2015.

[28] M. Pondel and J. Pondel, "Selected IT tools in enterprise knowledge management processes – overview and efficiency study," in *IFIP Advances in Information and Communication Technology*, 2019, vol. 571, pp. 12–28.

[29] J. P. Zammit, J. Gao, and R. Evans, "The challenges of adopting PLM tools involving diversified technologies in the automotive supply chain," in *IFIP Advances in Information and Communication Technology*, 2017, vol. 517, pp. 59–68.

[30] V. Arnould, "Using model-driven approach for engineering the system engineering system," in *2018 13th System of Systems Engineering Conference, SoSE 2018*, 2018, pp. 608–614.

[31] A. Al Khatab, D. Fleche, M. Mahdjoub, J. B. Bluntzer, and J. C. Sagot, "Preparation of CAD model for collaborative design meetings: opposition of a CAD add-on," *Adv. Mech. Des. Eng. Manuf. Lect. Notes Mech. Eng.*, pp. 861–870, 2017.

[32] D. C. Wynn and P. J. Clarkson, "Process models in design and development," *Res. Eng.*, vol. 29, no. 2, pp. 161–202, Apr. 2018.

[33] S. Biffl, A. Lüder, and D. Winkler, "Multi-Disciplinary Engineering for Industrie 4.0: Semantic Challenges and Needs," in *Semantic Web Technologies for Intelligent Engineering Applications*, Springer International Publishing, 2016, pp. 17–51.

Revision: 1.0

revision: 1.0
created by: Gisela A. Garza Morales