

SEFS Future and Trends

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Abstract

In the previous century, the military and aerospace domain developed systems engineering to support the development of complicated systems. The functionality and services that we are using depend on the interaction of many systems and organizations. We call this complex rather than complicated. When developing complex systems, the developers cope with more uncertainties, and unknowns, and the inherent complexity of the dynamics between many systems and humans. Digitalization facilitates the development of interconnected systems. We view models as a means to help us coping with the complexity

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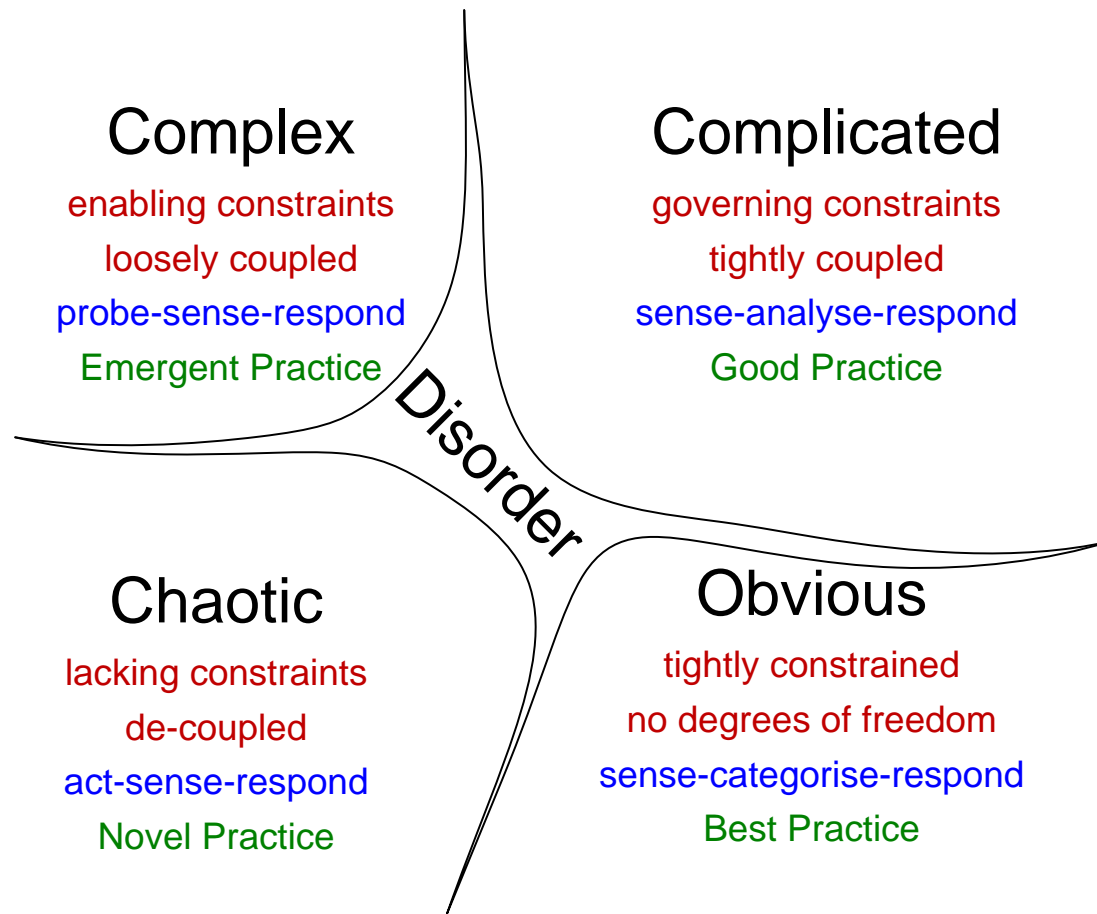
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version: 0.1



SE in Cynefin; Moving into Complex

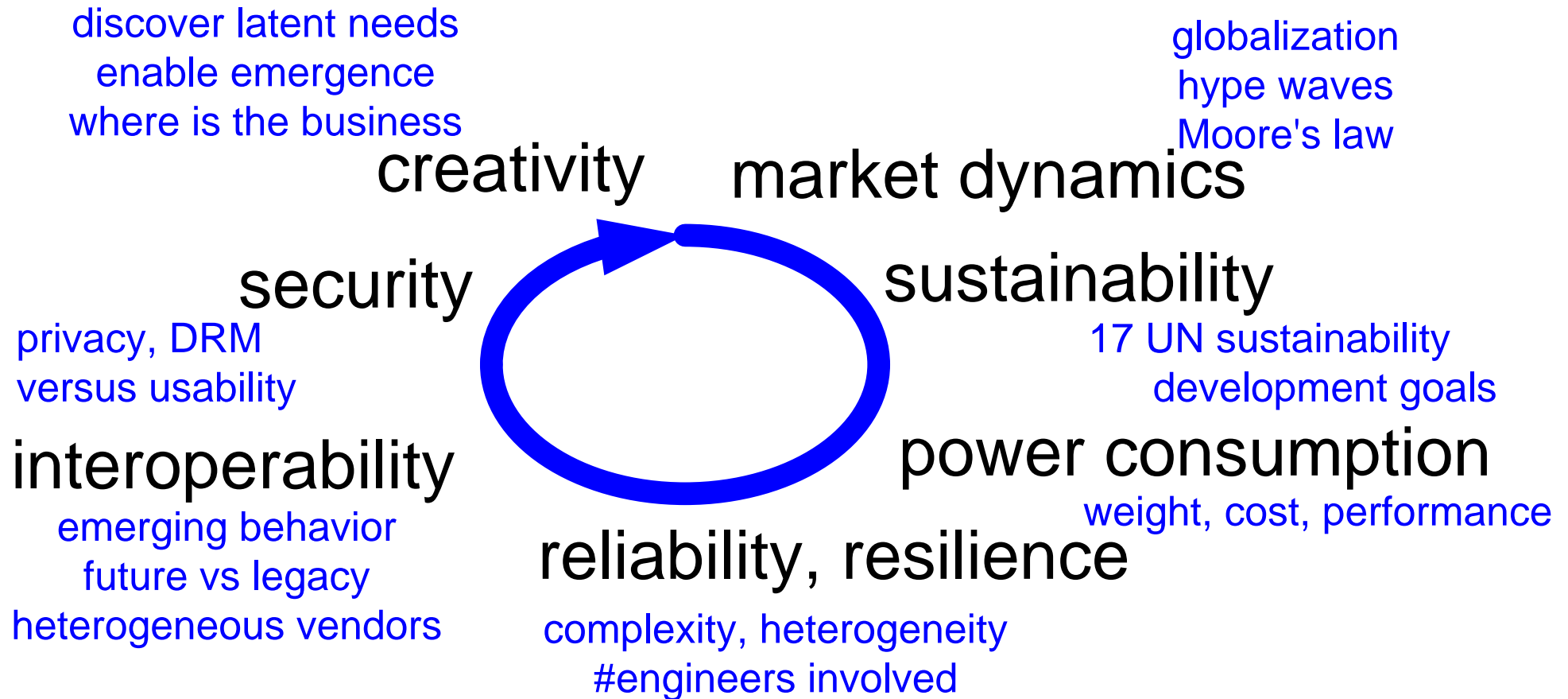


Systems Engineering
originates in Complicated

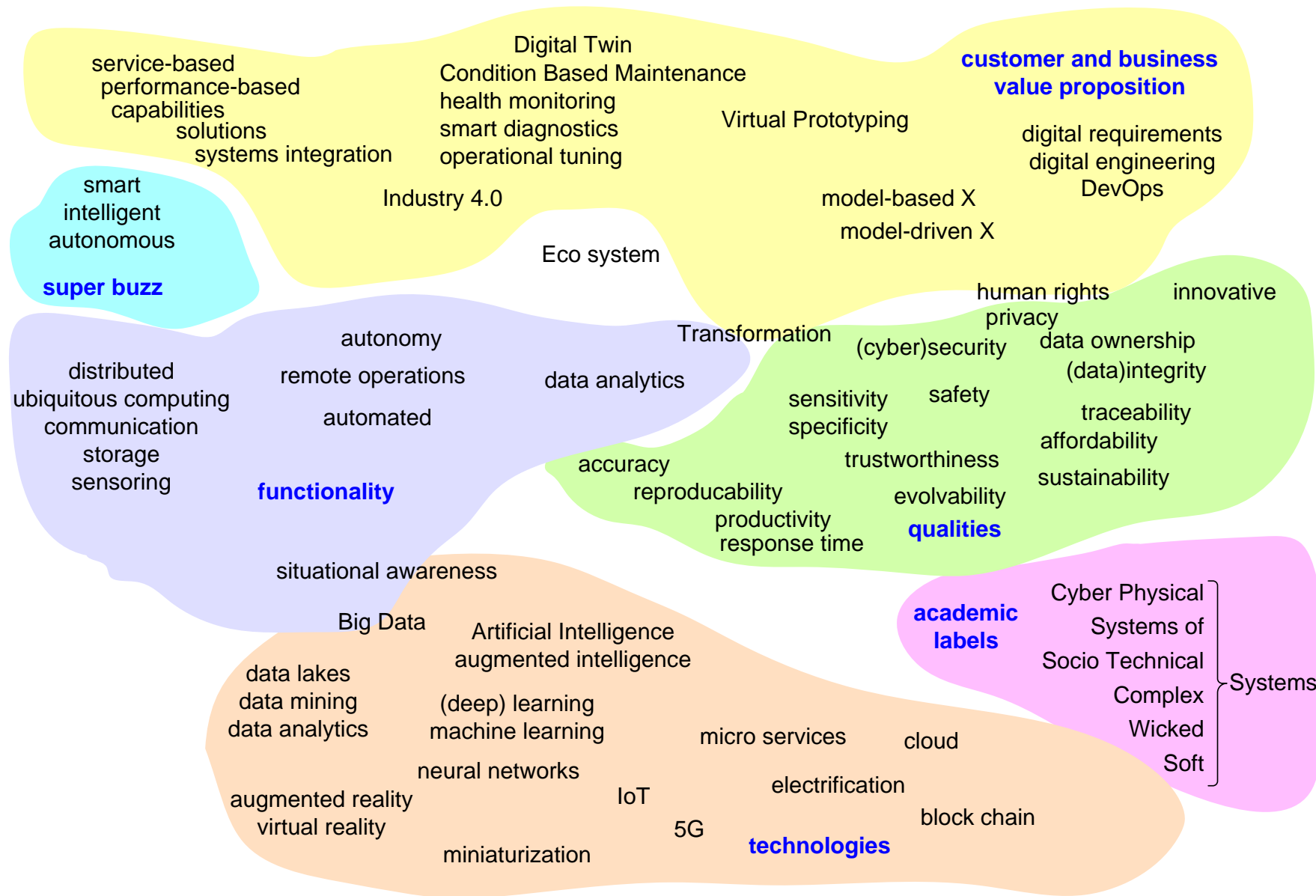
Many problems move
into Complex

after: Dave Snowden 2003, a.o. https://en.wikipedia.org/wiki/Cynefin_framework
accessed on 10-10-2023

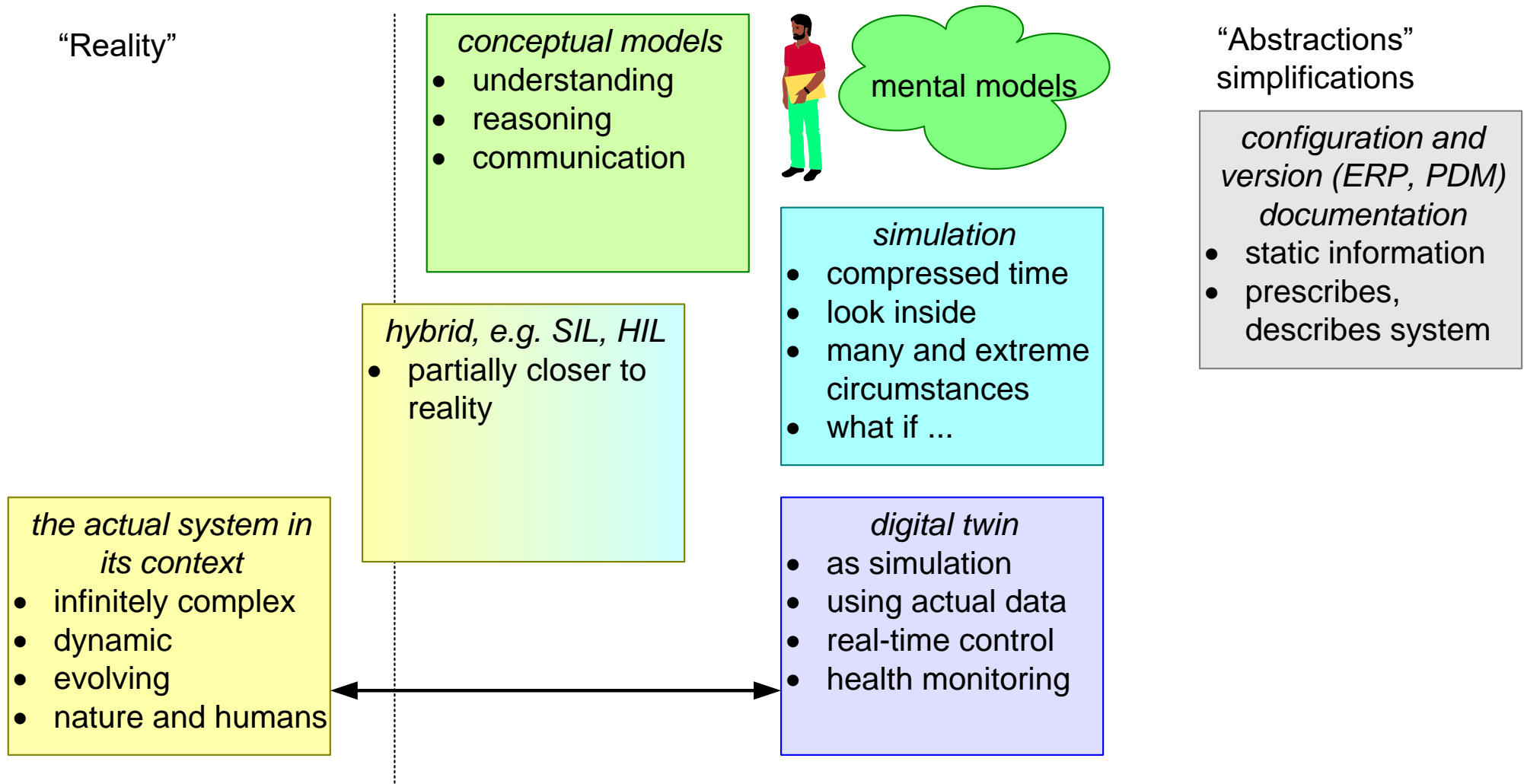
Challenges in Systems Engineering



Digitalization Cloud



Digital Twins



Systems of Systems

