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EAM ist eine Reise und kein Projekt!

Modellieren, aber richtig!
Und was ist neu in EA 15.1?

Peter Lieber
Sparx Systems Schweiz

Nutzen von REFRAME™
das Framework für die Finanzindustrie

Norbert Schattner
ifb Group

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How to Succeed *with your* Modelling Approach

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Innovation braucht Modelle
Modellieren aber richtig ☺

Enterprise Architecture and Standardization to survive as innovation leader and/or to have the chance to innovate

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Peter Lieber

Modeling assists in all challenges of daily business

Innovation needs models

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Peter Lieber

- Präsident Verband Österreichischer Software Industrie (www.voesi.or.at)

- Parallel Entrepreneur (I am founding to stay ☺)
  - Sparx Systems Central Europe, LieberLieber Software, …

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Sparx Systems HQ

Sparx Systems Sister&Service Companies

LieberLieber Software

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Bevor wir (wirklich) beginnen

- Eine kleine Vorstellungsrunde
  - Wer bin ich
  - Was erwarte ich mir von heute?

  - Wie verwenden wir derzeit Enterprise Architect?
  - Was sind die Themen, die wir mit Enterprise Architect adressieren?

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Agenda

- Modeling – what is that?
- Who needs Modeling
  - Information Management
  - Cyber Physical Systems
- Modeling, but in the right way
  - Challenges in introducing of modeling approaches
  - How to become successful with models

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Beispiele für Modelle

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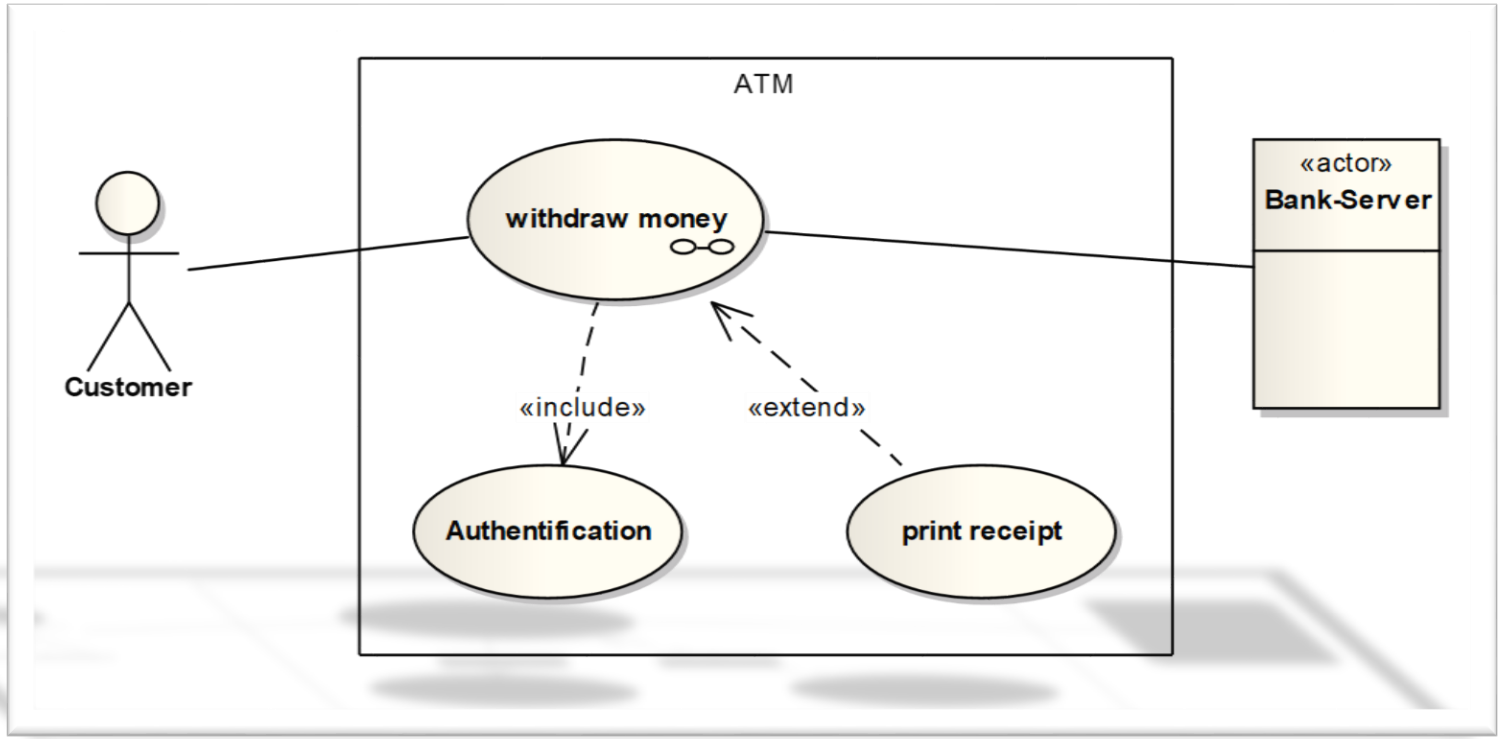

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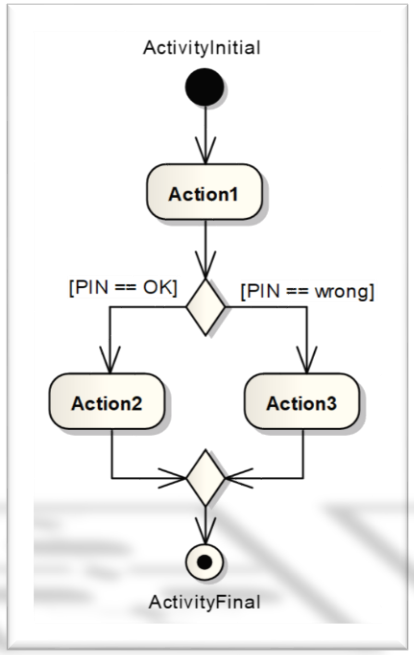
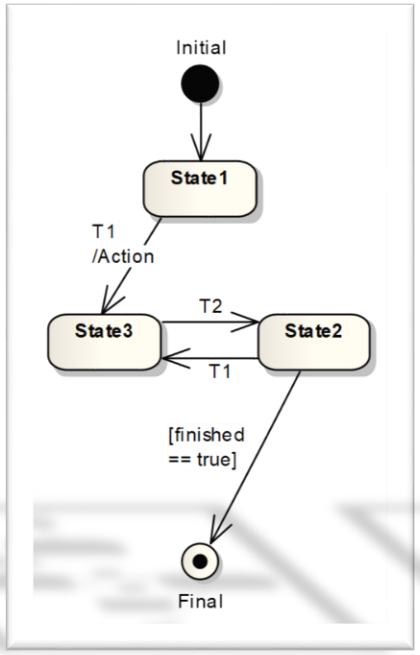
Activity Diagram



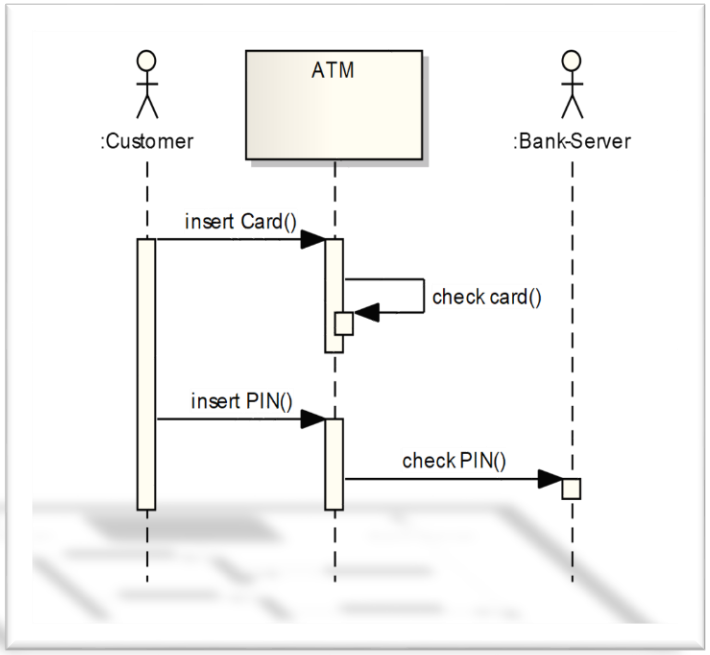
Process View

State Diagram



StateView

Sequence Diagram



Interaction View

What is Archimate?

- ArchiMate is a modeling language for describing enterprise architectures
- Broader scope than UML. UML focus is for software engineering
- Supports EA frameworks like TOGAF & Zachman
- ArchiMate viewpoints are more detailed than TOGAF's architecture artifacts – TOGAF does not provide descriptions and examples

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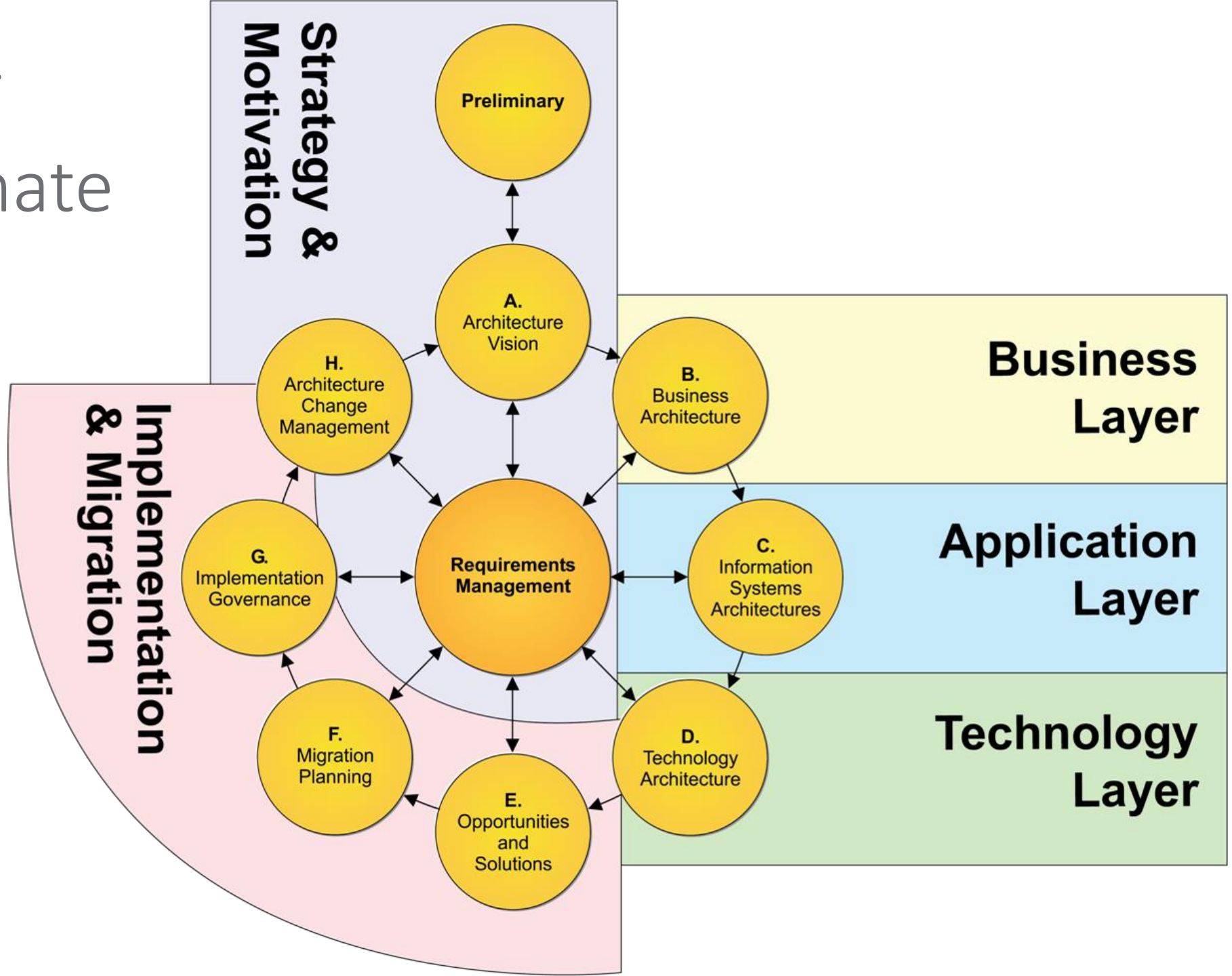
TOGAF Archimate



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Who needs modelling?

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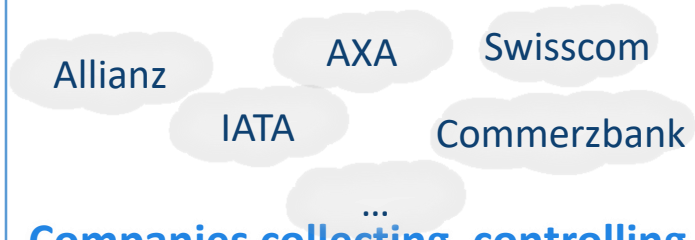
Who Needs Modeling?

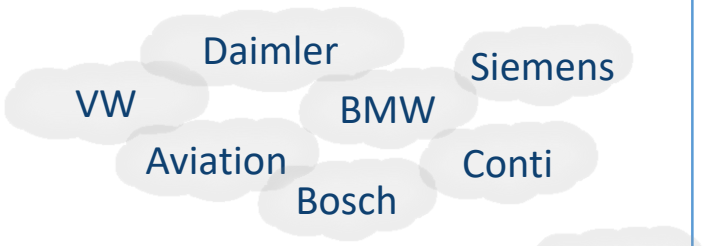
Information Management



Companies collecting, controlling and managing information, Strategic vision

- Insurance companies
- Telecommunication companies
- Banks
- etc.

Cyber Physical Systems



Manufacturers of embedded devices

- Automotive
- Aviation
- Healthcare
- Defense
- Railway
- Customer Electronics
- etc.

Application Development

Companies developing application software

- Web Applications
- Mobile Applications
- Desktop Applications
- etc.

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However – it is all about industry standards

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It is all about industry standards

- Smart Grid (IEC TC57, CIM)
- E-Health (EHR,CDA,BRIDG, ISO 215)
- Geospatial (ISO/TC 211, CEN/TC 287, OGC)
- Retail (ARTS UnifiedPOS)
- Government (eDAIS)
- Automotive (AUTOSAR)
- Intelligent Transport Systems (DATEX II)
- Social Security (Medicaid InformationTechnology Architecture – MITA)
- E-Commerce (OASIS Unified Business Language)
- Geology (GeoSciML, SoilML, WaterML)
- Biodiversity (European Distributed Institute of Taxonomy)
- Rail Transport (TRAX)
- EDI (ASC X12)
- Financial Services Messaging (SWIFT/SEPA)
- Ports (EFFORTS)
- Telecommunications (eTOM, eTAM, SID)
- Object Management Group (UML, XMI, DDS, MPMN, UPDM etc)
- NIEM
- …

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Modeling, but in the right way

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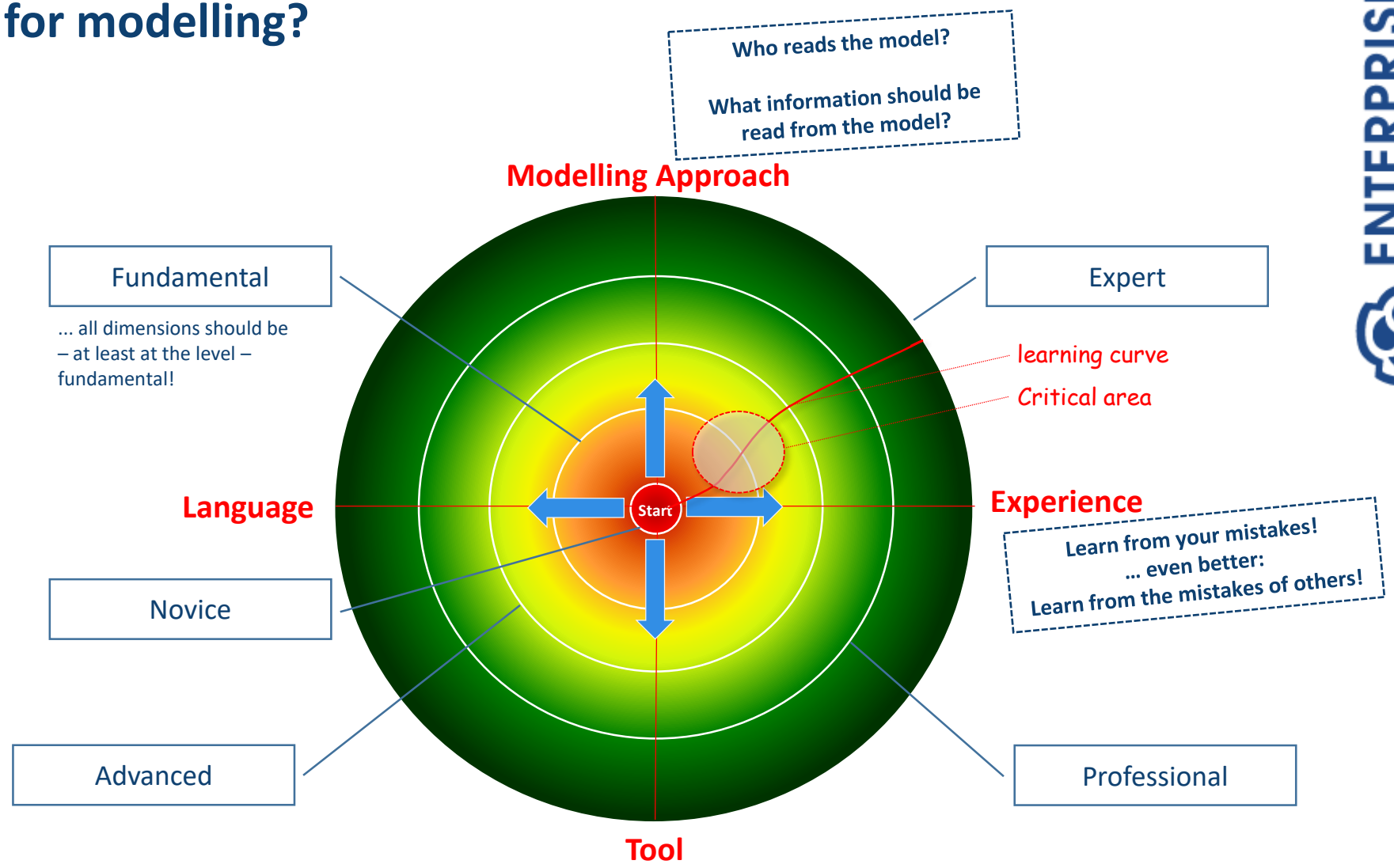
What skills do we need for modelling?

"A fool with a tool is just a fool"

"A genius without a tool is not productive"

"A genius without a plan is lost"



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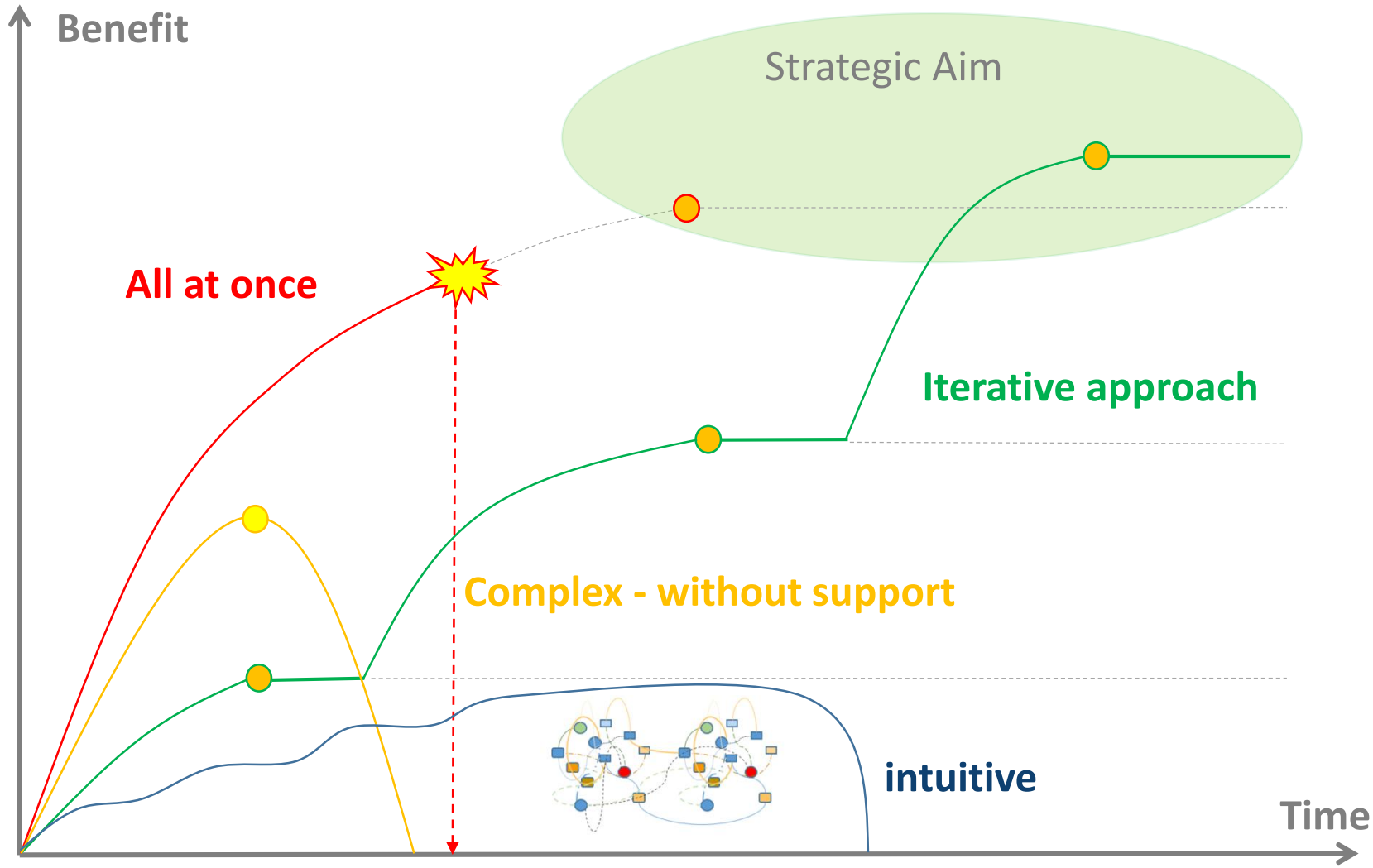
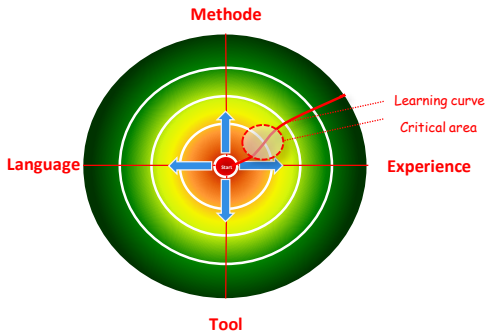
How can we fail in our Modelling Approach?





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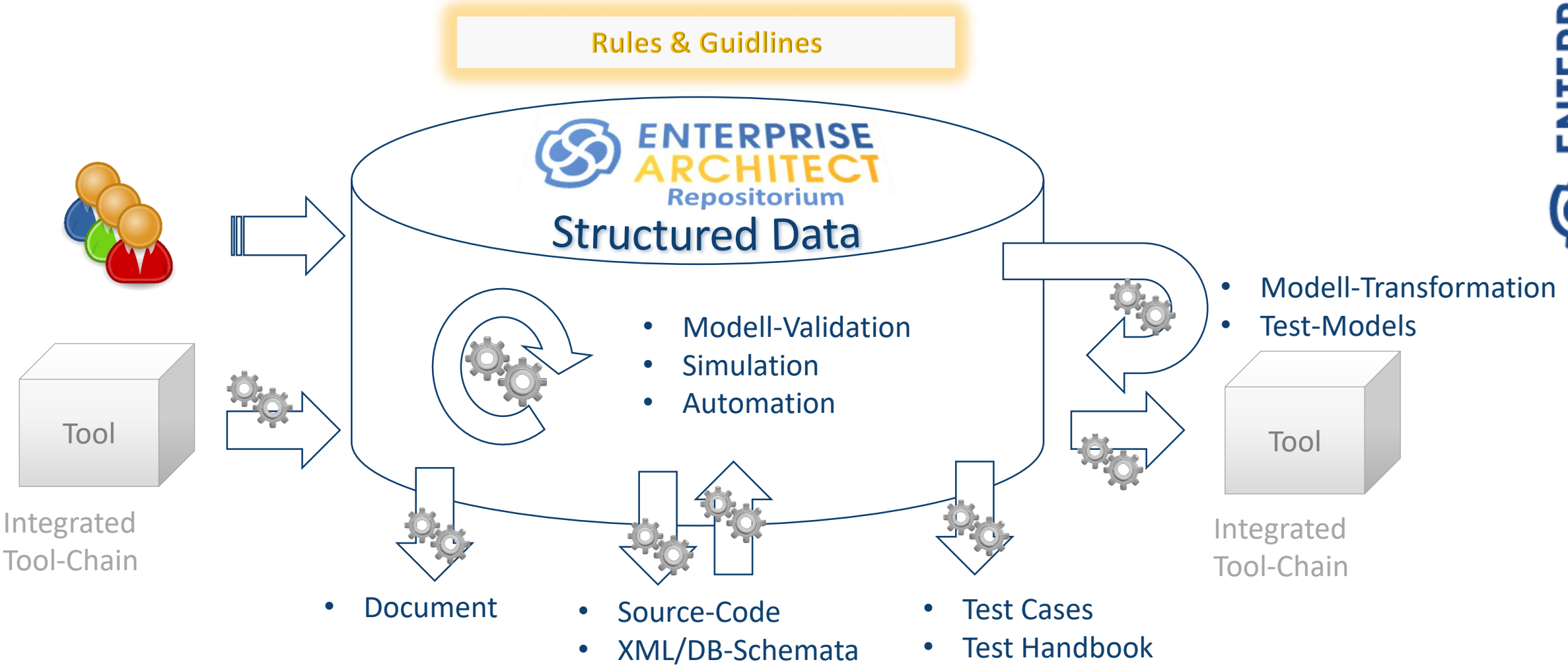
What is the advantage of models?



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