

# TMF - Textual Modeling Framework

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# What is TMF?

- A framework helping to define textual concrete syntax for domain-specific languages (DSL) based on EMF and IMP.
- Provides generated as well as generic tooling based on Eclipse (i.e. specific text editors)

# Why TMF?

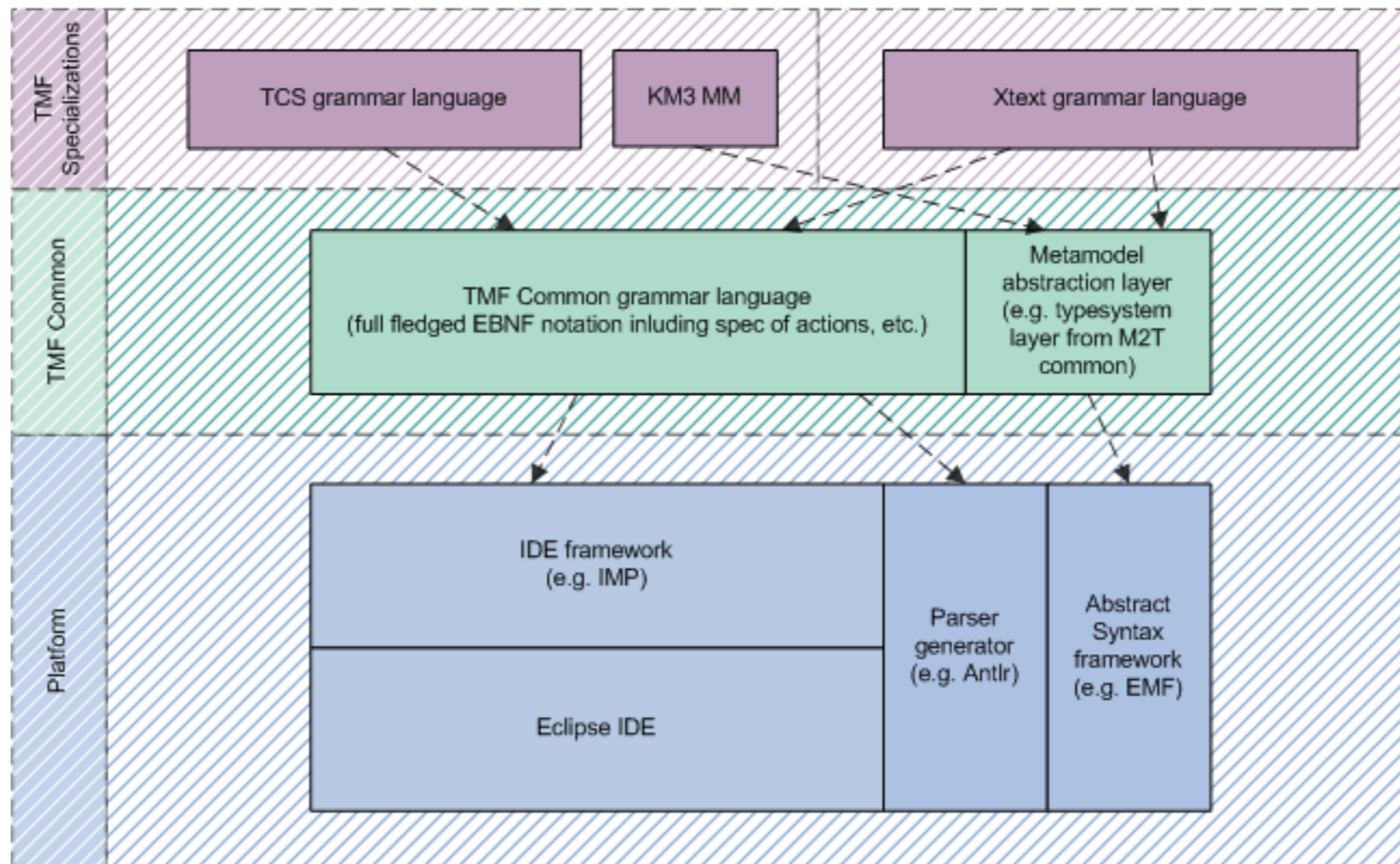
- Makes creation of textual DSLs easy
- Completes eclipse's solutions for concrete syntaxes of modeling (we already have graphical and structural modeling)

# TMF Overview

- high abstractions
- short turnarounds
- Two initial contributions (both grown up in GMT)
  - XText (from [openarchitectureware.org](http://openarchitectureware.org))
    - grammar first
  - TCS (from INRIA)
    - meta model first

# Architectural Overview

## Textual Modeling Framework (TMF)



# Community

- Both initial contributions have a very active community
- See XText specific forum at [openarchitectureware.org](http://openarchitectureware.org)
- See TCS related posts in the GMT newsgroup

# Mentors

- Ed Merks (IBM, EMF Lead)
- Richard Gronback (Borland, GMF Lead)

# Committers(I)

- **Sven Efftinge (project lead), itemis AG**

Sven is the author of the Xtext framework as well as the M2T language Xpand2 and the corresponding (sub)languages Xtend and Check. He also developed the Modeling Workflow Engine (MWE). Sven is regularly speaking on software conferences, writes articles for magazines and is co-author of a german book about model-driven software development. At itemis he is responsible for further development of MDSD-related tooling based on Eclipse.



# Committers(2)

- Frédéric Jouault (project lead), INRIA

Frédéric is the architect and lead of M2M/ATL and of GMT/TCS. He created these two languages, and tools as part of his Ph.D. thesis. Frédéric is continuing his research activities on model-to-model transformation, as well as on textual syntaxes. This notably results in improvements of ATL and TCS. He is also using these tools for teaching purposes.

# Committers(3)

- Bernd Kolb, kolbw@re

Bernd Kolb focuses on model-driven software development and eclipse technologies. As a consultant he has worked in different domains from tooling for automotive embedded systems to enterprise Java applications. He is a regular speaker at conferences and has written a number of articles as well as co-authored a book

# Interested Parties

- Borland, Inc.
- itemis AG
- Gentleware AG
- Elmar Jürgens, Technical University Munich

# Questions?