

Exploitation, Dissemination, Standardisation (WP7)

Yvan Lussaud, OBEO



Obeo Sirius

- 200 clients and about 10000 prospects
- 60% of Obeo's revenue

MBSE

- System analysis and live cycle tooling
- About 50 million euros (IBM, Siemens, Dassault System, PTC, ...)

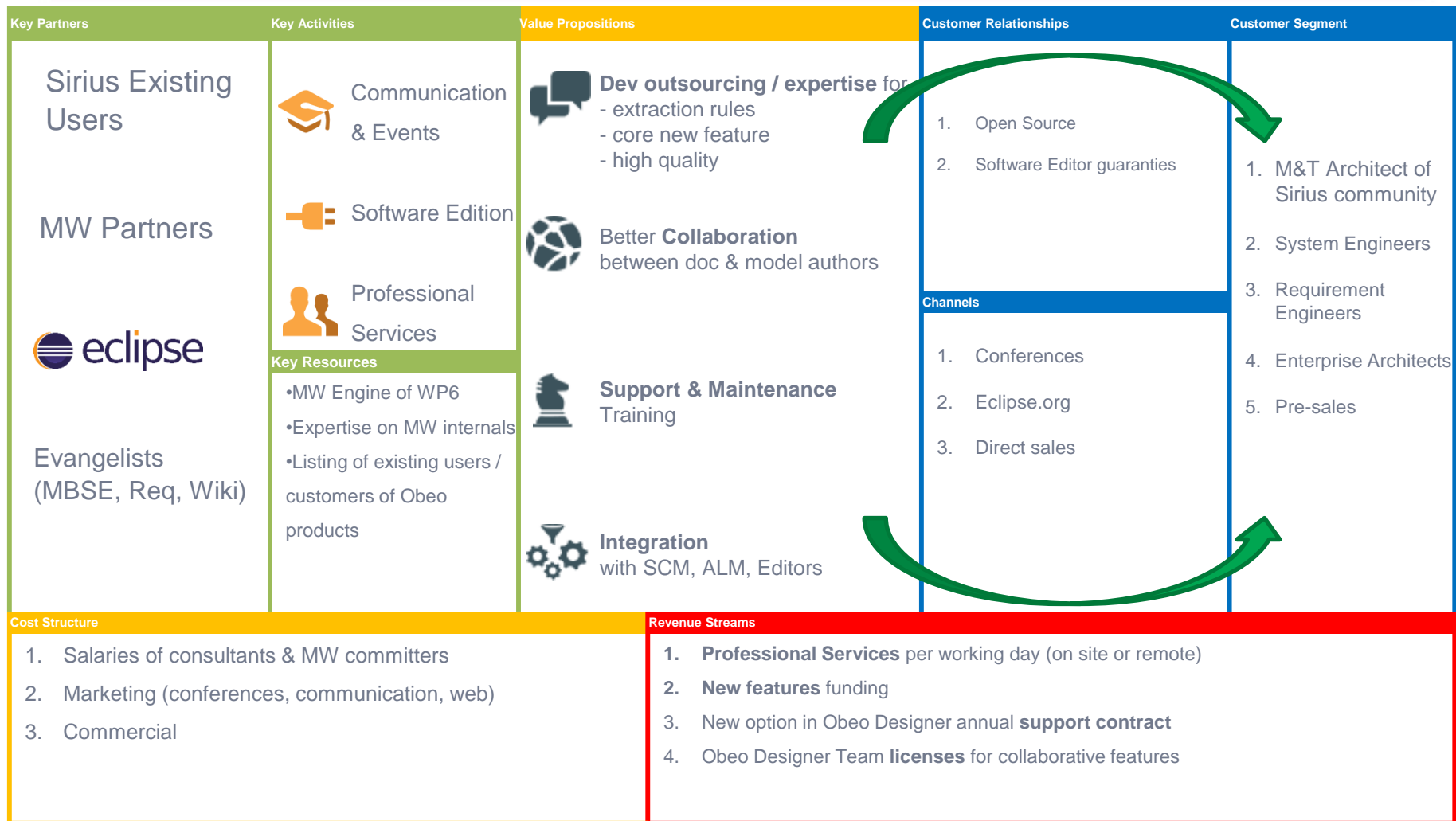
Enterprise Architecture

- 100 million euros in France alone
- 9000 people certified Togaf 9 in the world

Competitors

- Reqtify, Recycle, DoorsNG
- Assets of MW: Open source, Interoperability, not only focused on requirements

Business Model Canvas - Obeo





Integration with Siemens Teamcenter PLM visualization

- Required for Ford-Otosan used case
- Using JT Open Toolkit's C++ application programming interface for 3D product information
- ISO 14306:2012 Industrial automation systems and integration -- JT file format specification for 3D visualization

Integration with IBM Rational DOORS or Esterel SCADE Suite

- Required for Havelsan used case
- using ReqIF Standard and Eclipse's Requirement Management Framework (RMF)

WP7

KPI

	Actual	Goal
Number of users (not counting MW participants)	0	10
Number of projects using MW outcomes	0	6
Unique visitors of MW website per month	0	300



Release of Tarski platform (WP3) – UNIT and KoçSystem

- Automated analysis and dynamically configurable semantics of traceability links
- Standalone and open source <https://github.com/ModelWriter/WP3>

Achivement: Synchronization of EGR & FEAD designs with specifications

- Improve review process of engineering teams
- Impact analysis of design changes

Release of M2Doc – Obeo

- ModelWriter helped us to ramp-up MS Word document creation and Java API
- New product of MS word document generation M2Doc
- Future new feature for traceability using ModelWriter mapping API



Release of Synchronization Engine and UI – Obeo

- Synchronization engine first version
- First implementation of GUI

Ontology consistency checking – CNRS and Airbus

- Identify and remove inconsistencies from the knowledge base
- Solution based on Airbus needs

MS Word plug-in – UNIT and HISBIM

- Enable seamless integration with ModelWriter on Eclipse platform
- GUI is almost ready
- Working on integration of Eclipse platform and MS Word plug-in with respect to ModelWriter workspace



Release of Component Ontology – Airbus

- partially describes the vocabulary used in the SIDP documents and database
- Improves the SIDP model developed in first semester
- Used for semantic annotation and link creation

Web based services for Turkish language support – Mantis

Highlight experience of industrial end users

- Airbus
- Havelsan
- Ford-Otosan



6th international ModelWriter Workshop (25 February 2015)

- Product owner review
- Integration of first release



7th international ModelWriter Workshop (6 June 2016)

- At Airbus headquarter
- Brain storming and progress presentation
- Mapping base design and sketches of GUI by Obeo



Airbus Friday TechTalk

- Demonstration of current state
- Presentation of objectives



MPM4CPS (Multi-paradigm Modeling for Cyber-physical Systems) Cost Action

- UNIT and AIRBUS are Management Committee Members representing Turkey and France in this COST action

The European Research Network on Software-intensive Systems-of-Systems (SiSoS)

- UNIT is a participant in the network

ITEA3-Assume project

- Ford-Otosan, Havelsan, KocSistem and UNIT participates in that project



ACM Applied Computing Symposium

- Paper submitted and under review

SAT/SMT/AR Summer School

- Poster presentation

VTSA Summer School

- Poster presentation



Use Obeo deployment of MW on Sirius documentation

Target developers as early adopters

- EclipseCon, SiriusCon, Eclipse Demo Camp

Move MW project to Eclipse foundation



Modular architecture

- Open source
- API
- Definition of domain model for mapping

Used standards

- EMF based of MOF
- XMI serialization
- Standard ontology formats (owl, rdf, turtle, ...)