THE REUSE COMPANY

BOOSTING REQUIREMENTS MANAGEMENT CAPABILITIES

15' Webinar

0 9 : 0 0 am CEST

Starting soon, please wait

> ## Webinar rules:
>
> > You'll be muted all along the Webinar
> >
> > There's a *Question* section to ask your questions or send your comments whenever you want
> >
> > If you have any technical issue, please use the chat box (not the *Question*)
> >
> > The Webinar will be recorded. A link to the recording will be sent to you in few days

Boosting Requirements Management capabilities in MS Word:

Introduction to the SES Word Add-in

José M. Fuentes
The REUSE Company
Chief Operating Officer
*jose.fuentes@reusecompany.com*

THE REUSE COMPANY

Contents
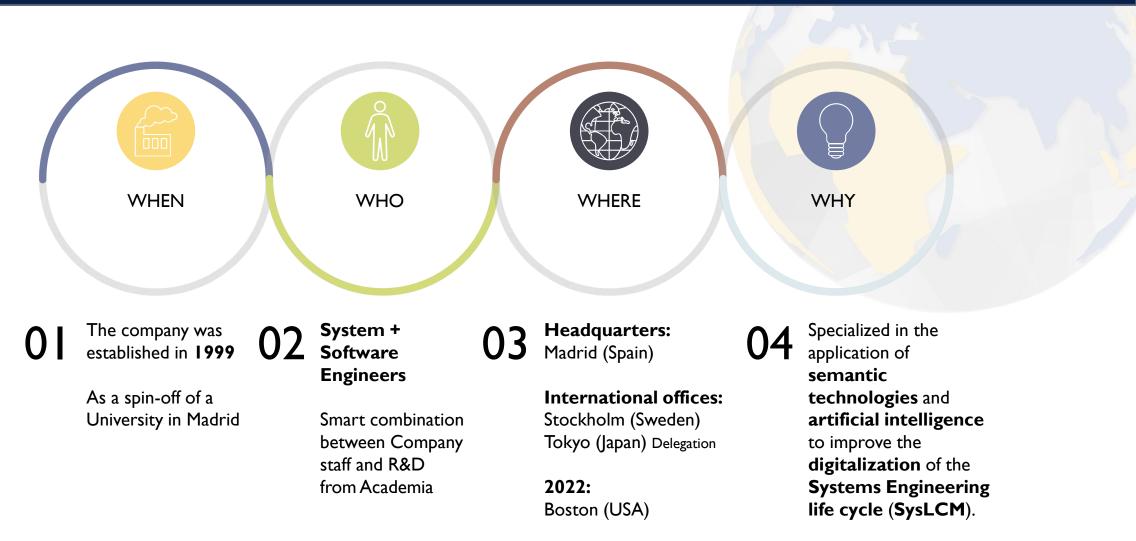
> Introduction to The REUSE Company and the speaker

> Microsoft Word: pros and cons

> Why are complex projects prone to fail?

> Missing RM Capabilities in MS Word

> The MS Word Addin of the Systems Engineering Suite

> 9 Episodes to demonstrate RM Capabilities in the Addin

> Live demo

> Q&A

WHEN

WHO

WHERE

WHY

01 The company was established in **1999**

As a spin-off of a University in Madrid

02 **System + Software Engineers**

Smart combination between Company staff and R&D from Academia

03 **Headquarters:** Madrid (Spain)

International offices: Stockholm (Sweden) Tokyo (Japan) Delegation

2022: Boston (USA)

04 Specialized in the application of **semantic technologies** and **artificial intelligence** to improve the **digitalization** of the **Systems Engineering life cycle** (**SysLCM**).

The Systems **ENGINEERING** Suite:

> RQA – QUALITY Studio
> RAT – AUTHORING Tool
> TRACEABILITY Studio
> V&V Studio
> KM – Knowledge Manager

> SES ENGINEERING Studio

José Fuentes

- **Current Position:** Chief Sales Manager of The REUSE Company
- Former Product Manager of RQA and the Systems Engineering Suite
- INCOSE CSEP Certified
- Graduated in the INCOSE Institute for Technical Leadership
- Member of the board of AEIS – The Spanish chapter of INCOSE
- Active contributor to the INCOSE Guide to Writing Requirements
- Other certifications: ITIL
- Other interests: Project Management, Business Analysis, Risk Management

Microsoft Word

Pros and Cons

Pros : 👍

- Relatively low cost
- Good looking UI
- Easy to use: we all are used to the tool
- Common in many computers
- Very good for editing: search, replace…

Cons: 👎

- **Clearly: not designed to manage requirements**

I use MS Word to manage requirements

Never
0%

In some small projects
0%

In many of my project
0%

Almost always
0%

Always
0%

Join at
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Why are complex projects (commonly) prone to fail?

Michelle Boucher: 6 Reasons your projects fail and how requirements management can help

- Requirements are not well defined
- Poor change management
- Lack of *Single Source of Truth*
- No link between requirements and tests
- Inability to trace requirements throughout the system lifecycle
- Lack for traceability for functional safety or standards

Source: https://www.ptc.com/en/blogs/plm/6-reasons-your-projects-fail

Active poll

0
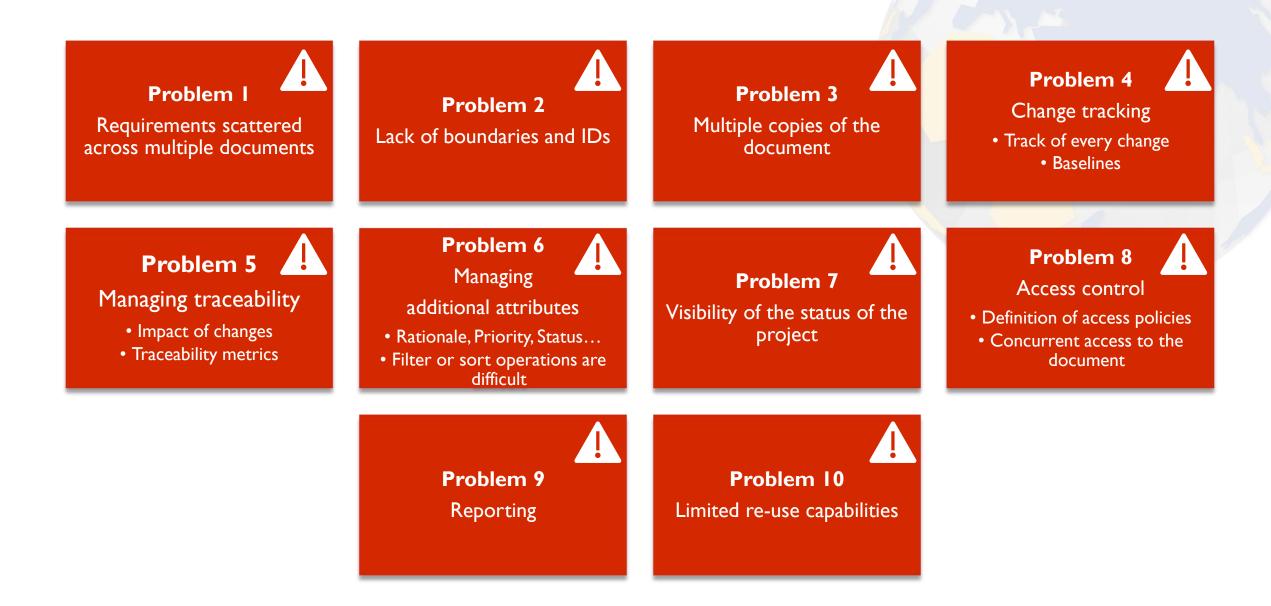
Name the most important RE capabilities that you miss in MS Word

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Problem 1
Requirements scattered across multiple documents ⚠️

Problem 2
Lack of boundaries and IDs ⚠️

Problem 3
Multiple copies of the document ⚠️

Problem 4
Change tracking ⚠️
- Track of every change
- Baselines

Problem 5
Managing traceability ⚠️
- Impact of changes
- Traceability metrics

Problem 6
Managing additional attributes ⚠️
- Rationale, Priority, Status…
- Filter or sort operations are difficult

Problem 7
Visibility of the status of the project ⚠️

Problem 8
Access control ⚠️
- Definition of access policies
- Concurrent access to the document

Problem 9
Reporting ⚠️

Problem 10
Limited re-use capabilities ⚠️

**SES Add-in
on top of
MS Word**

> Main ribbon:

> Synchronized views:

> Requirements Management Capabilities:

> Technical Management Processes:

9 Episodes

SES Addin for MS Word

Episode 1:
Introduction to the SES Add-in:

P1. Scattered Reqs.

P2. Lack of boundaries

Episode 2:
Writing HQ Requirements:

Episode 3:
Parsing documents

P5. Traceability

Episode 4:
Managing Requirements

P4. Change tracking

P6. Additional attrib.

P7. Visibility of status

Episode 5:
Traceability

P5. Traceability

Episode 6:
Transformations

P10. Limited re-use

Episode 7:
Propagating changes

P4. Change tracking

P10. Limited re-use

Episode 8:
Collaboration

P3. Multiple copies

P8. Access control

Episode 9:
Reports

P9. Reporting

> SES ENGINEERING Studio has implemented the notion of ***Interoperability hub (SSoT – Synchronized Source of Truth)***:

> > No one-to-one connector: every tool connects to the hub

> > Source tools from many different disciplines: RMS, MBSE, PLM, ALM, PDFs, DBMS, MS Excel, and **MS Word**

> > No *wipe-out* approach at all, those source remain as the *Authoritative Source of Truth (ASoT)*

> > Changes in the source are notified in the SES ENGINEERING Studio and arise the notion of suspect links

> > Removed elements in the source are also shown, and arise alerts in traces

> > Changes in the SES ENGINEERING Studio are persisted in the corresponding source tool (*ASoT*)

Interoperability Hub - SSoT
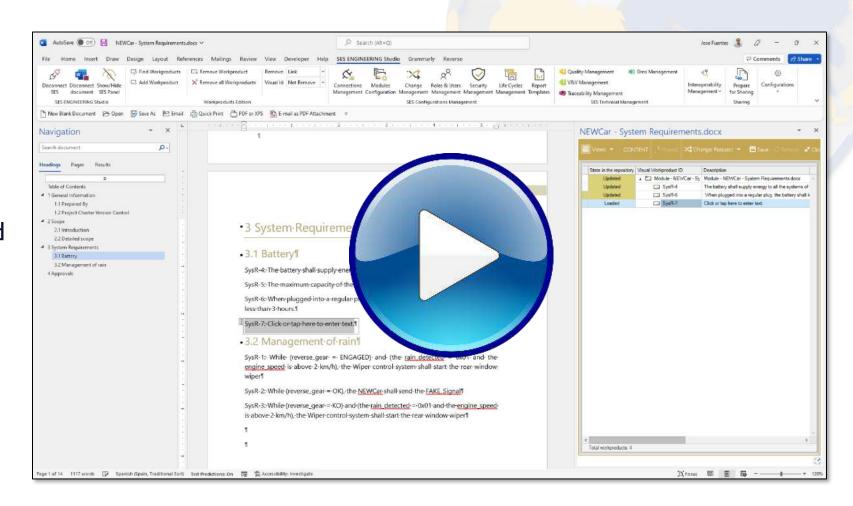
Demonstration

Steps:

1. Open MS-Word

2. Choose your ontology

3. Connect to the ontology

4. Create requirements

5. Synchronize documental and engineering views

6. Same changes

Boosting MS Word with Requirements Management Capabilities

1. Introduction to the MS Word Add-in of SES ENGINEERING Studio
2. Writing high-quality requirements in MS Word
3. Parsing existing MS Word documents using different techniques.
4. Managing Requirements in MS Word.
5. Managing traceability in MS Word.
6. Transforming MS Word requirements.
7. Propagating changes from traceability links.
8. Collaboration
9. Reporting Systems Engineering artifacts through MS Word.

15 '
webinar

Sign up

Episode 2. Writing high-quality requirements in MS Word

This episode will focus on the aid provided by the SES Add-in in writing requirements following the agreed rules and the agreed set of textual patterns.
Also, from this add-in an overall quality assessment shall be performed.

Date:
Tuesday, February 14, 2023, 9:00 AM CET (Madrid)/ 5:00 PM JST (Tokyo)/ 7:00 PM AEDT (Sydney)
Thursday, February 16, 2023, 5:00 PM CET (Madrid)/ 8:00 AM PST (Los Angeles)/11:00 AM EST (Detroit)

José M. Fuentes

jose.fuentes@reusecompany.com

+34 912 17 25 96

@ReuseCompany

https://www.linkedin.com/in/josemiguelfuentes/

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