

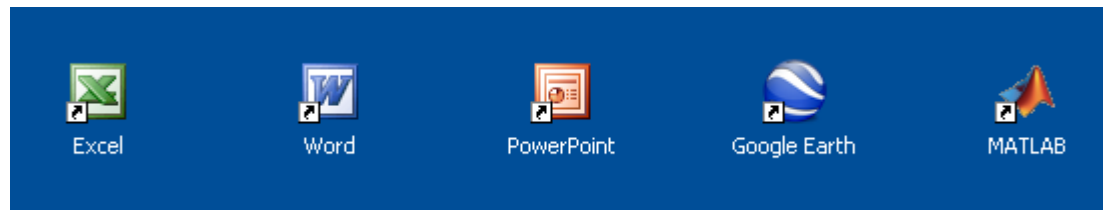
CAWT Use Cases

CAWT

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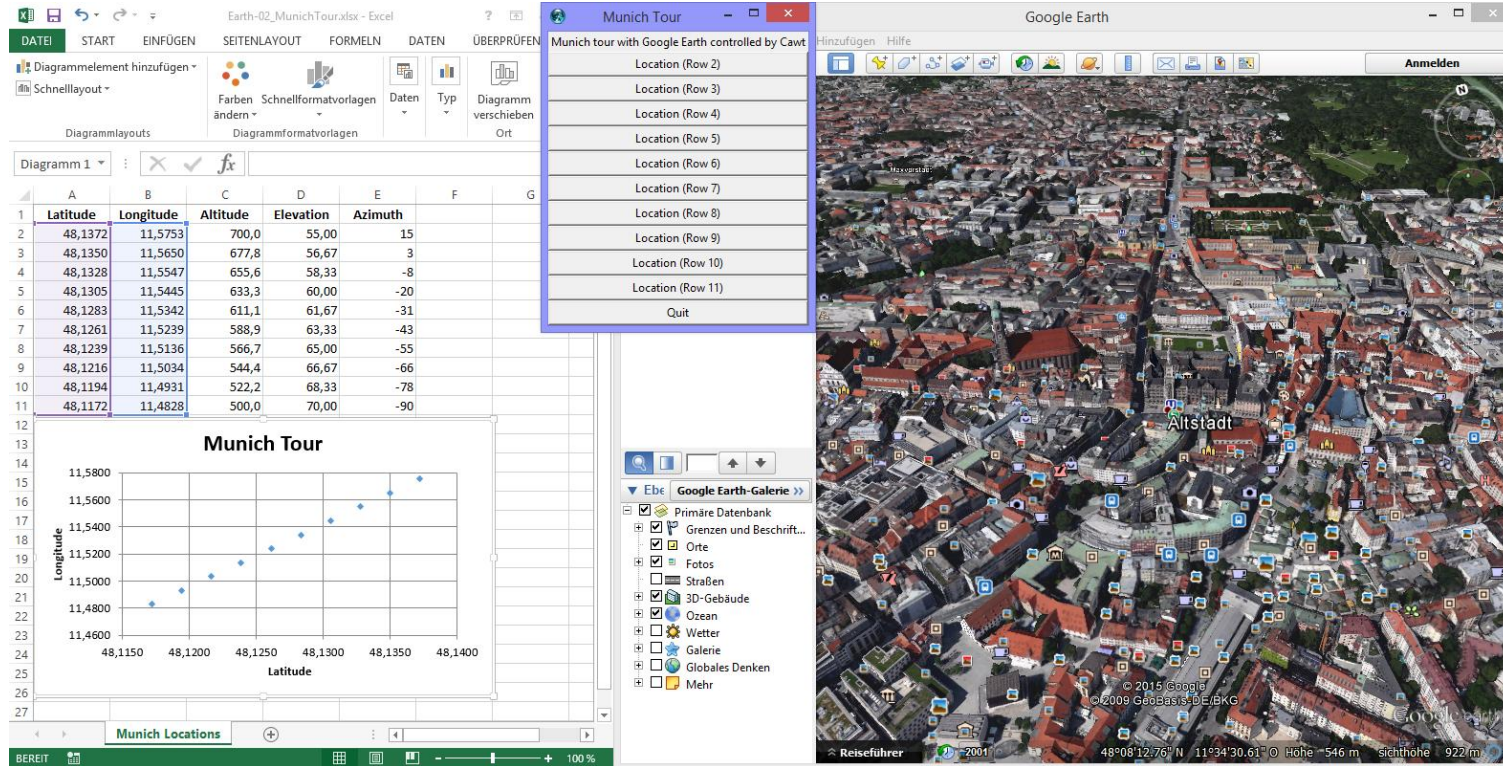
- **CAWT Overview**
 - Architecture
 - History
- **Use Cases@Home**
 - Use of CAWT in poApps
 - Use of CAWT to document itself
- **Use Cases@Work**
 - Lazy man's documentation tool
 - Poor man's requirement tool

CAWT Overview – What it is good for?

High-level Tcl interface for scripting Windows applications having a COM interface:

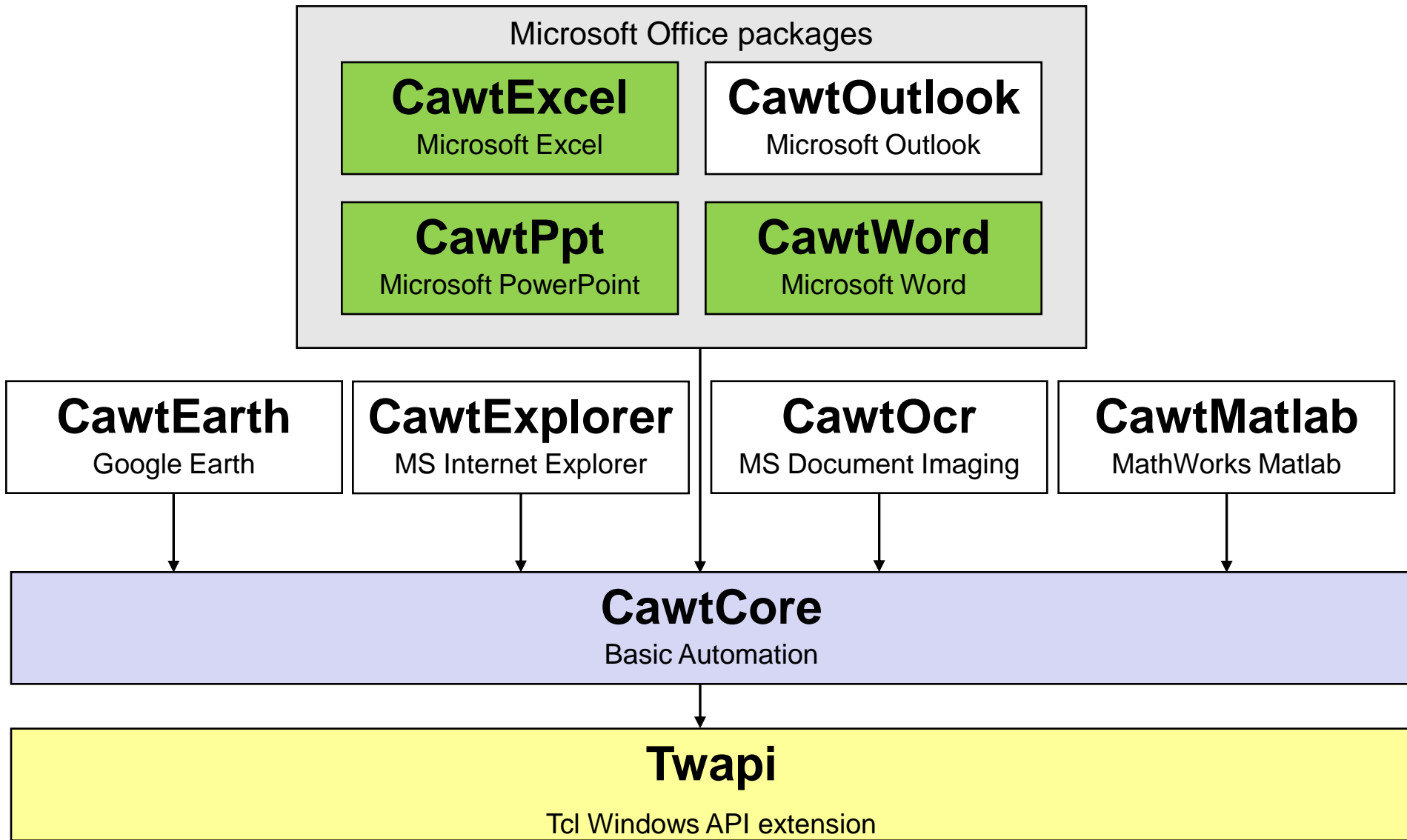
- **Excel**
- **Word**
- **PowerPoint**

- *Outlook*
- *Ocr*
- *GoogleEarth*
- *Matlab*
- *IExplorer*



Note, that only Office modules **Excel**, **Word** and **PowerPoint** are in active development.

CAWT Overview – Architecture



CAWT Overview - History

2008/09/11 TcomExcel 0.1 Use of Tcom for COM access. Support for Excel only.

...

2011/07/17 TcomOffice 0.4.0 New module TcomWord for Word automation.

...

2012/01/21 TcomOffice 0.5a3 Use Twapi for COM access instead of Tcom.

2012/07/08

EuroTcl 2012 Work-In-Progress Report.

2012/12/23 CAWT 1.0.0

Major rewrite using Twapi for COM access.

...

2014/03/30

Added SourceForge project for CAWT.

...

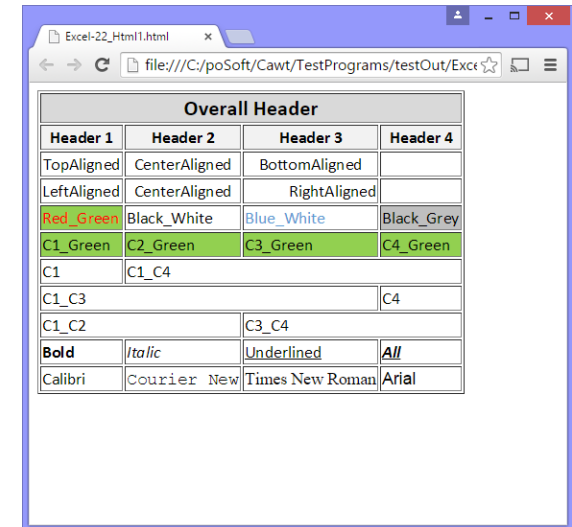
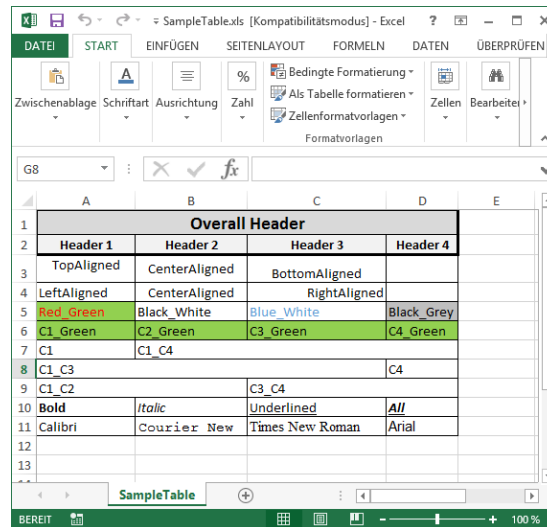
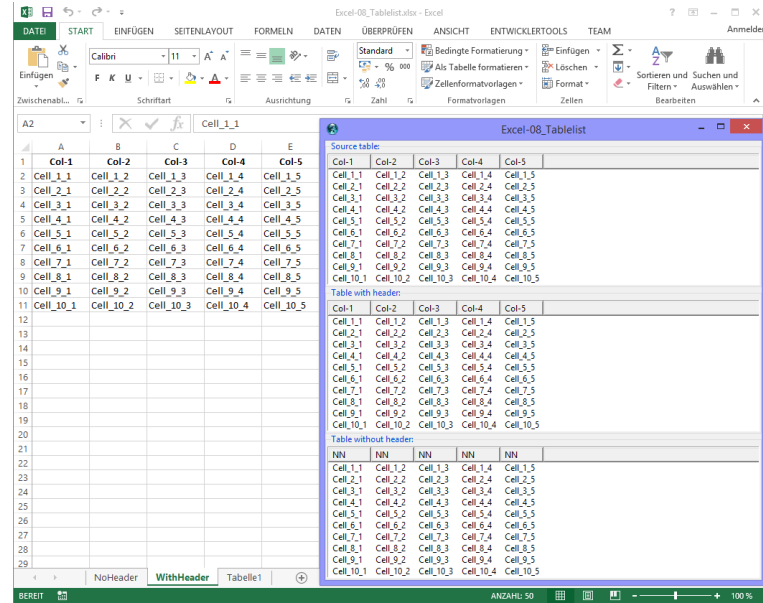
2015/03/31 CAWT 2.0.0

Namespaces ensembled. Office enumerations as strings.

Use Cases@Home – Handling of Tabular Data

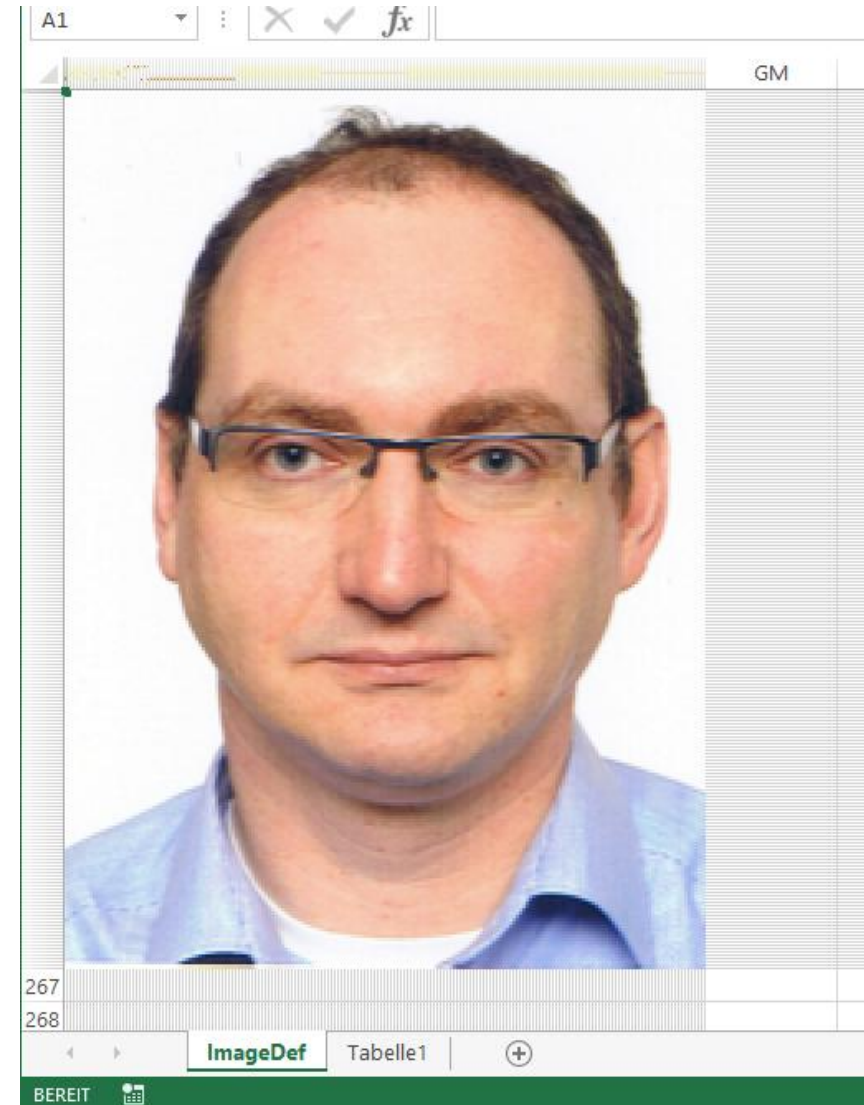
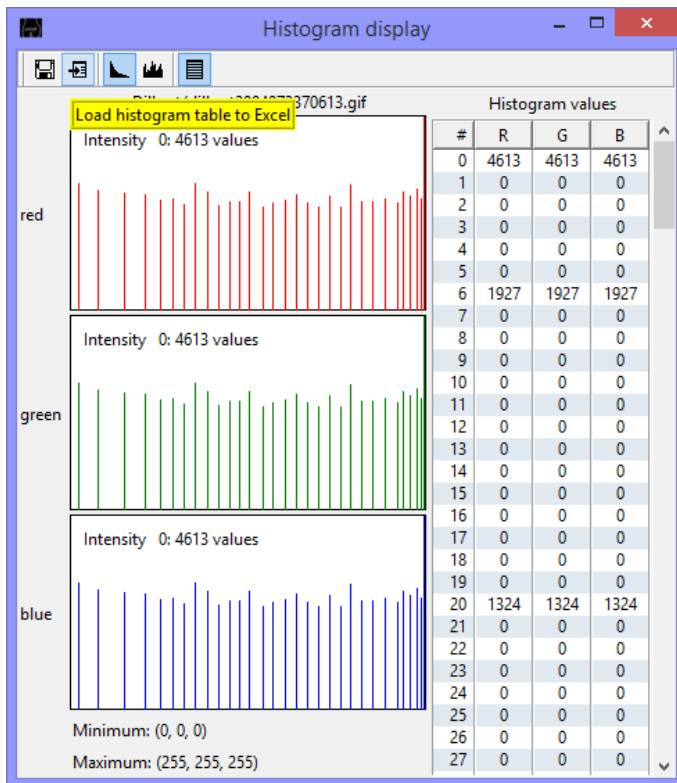
Exchange of tabular data:

- Excel tables
- Word tables
- Tablelist
- Raw images
- Matlab MAT-files
- CSV files
- MediaWiki tables
- Wikit tables
- HTML tables



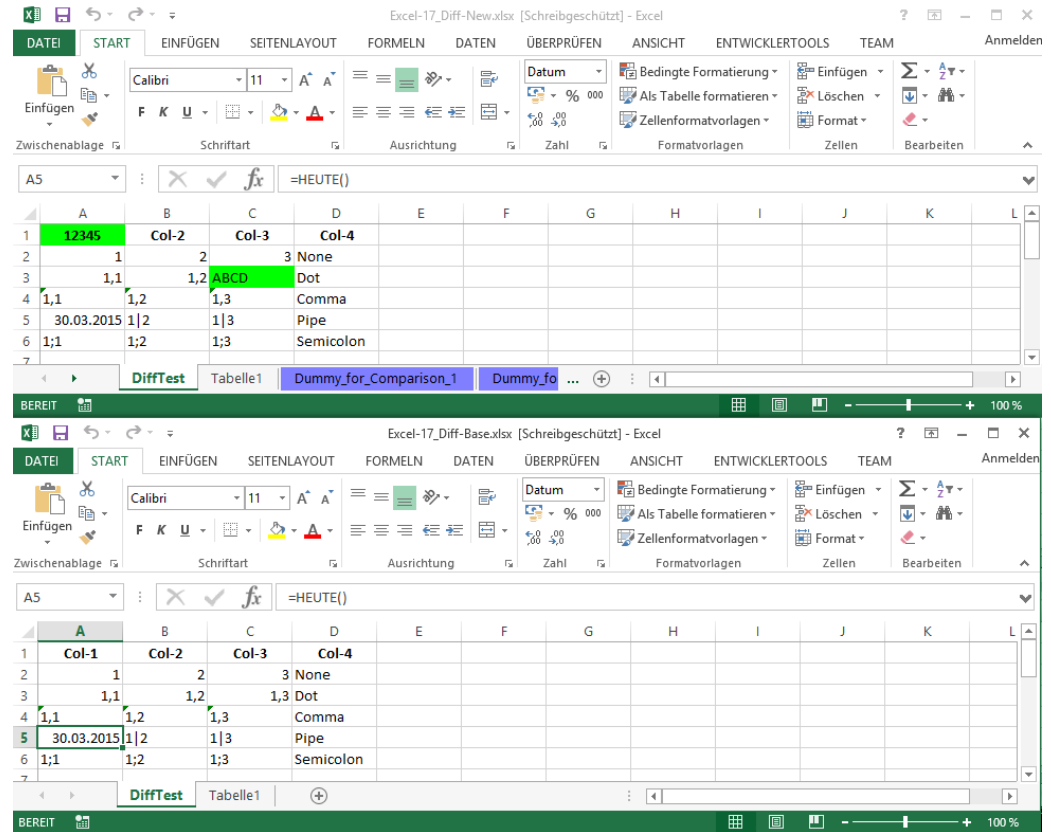
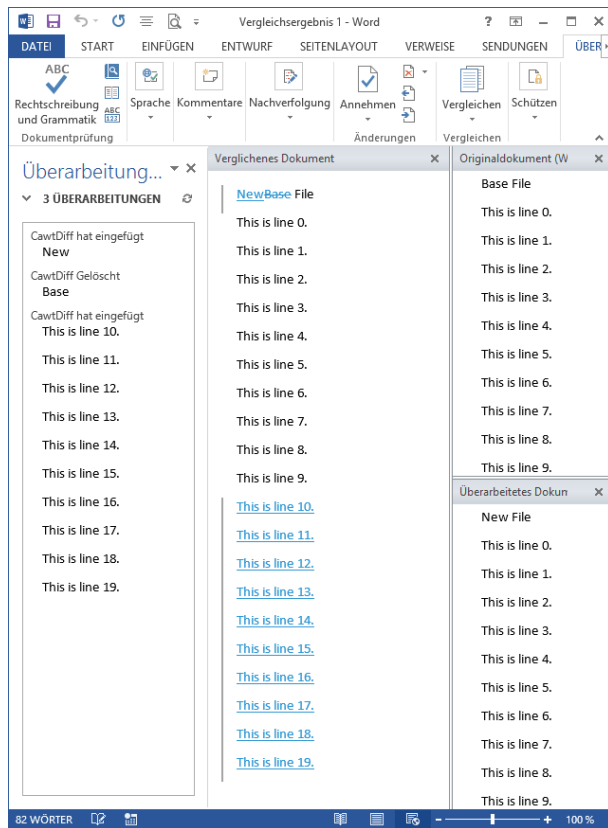
Features using CAWT:

- Color count table to Excel
- Histogram to Excel
- Image to Excel as background cell colors.



Features using CAWT:

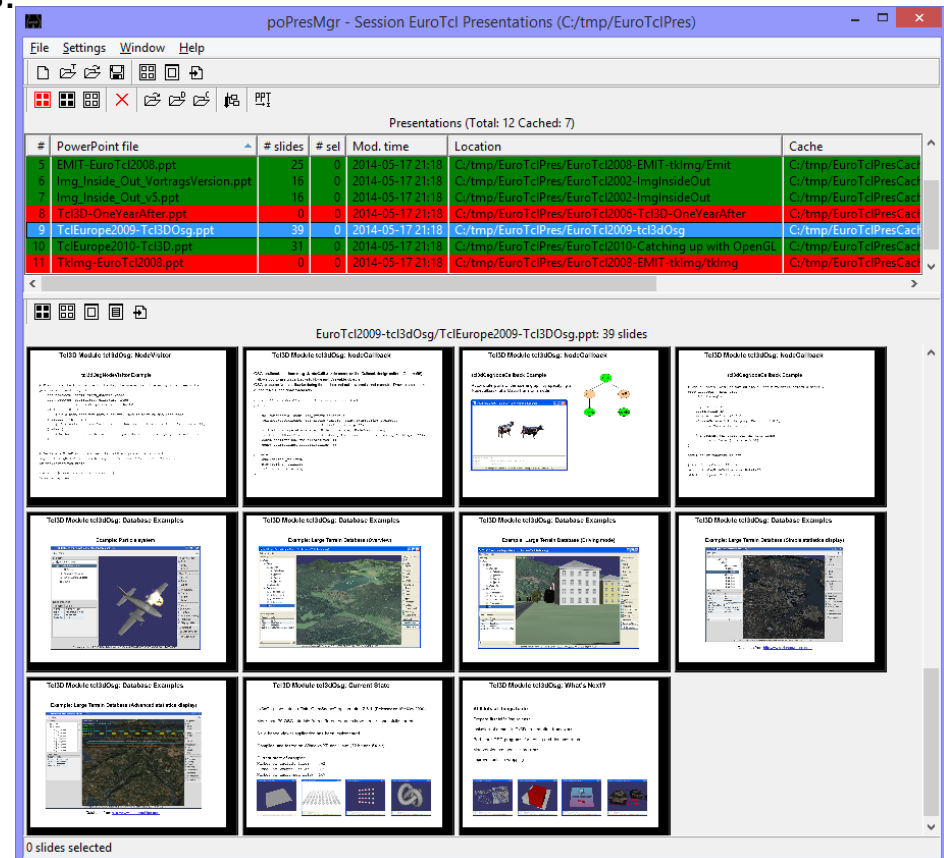
- Comparison of Excel files.
- Comparison of Word files.



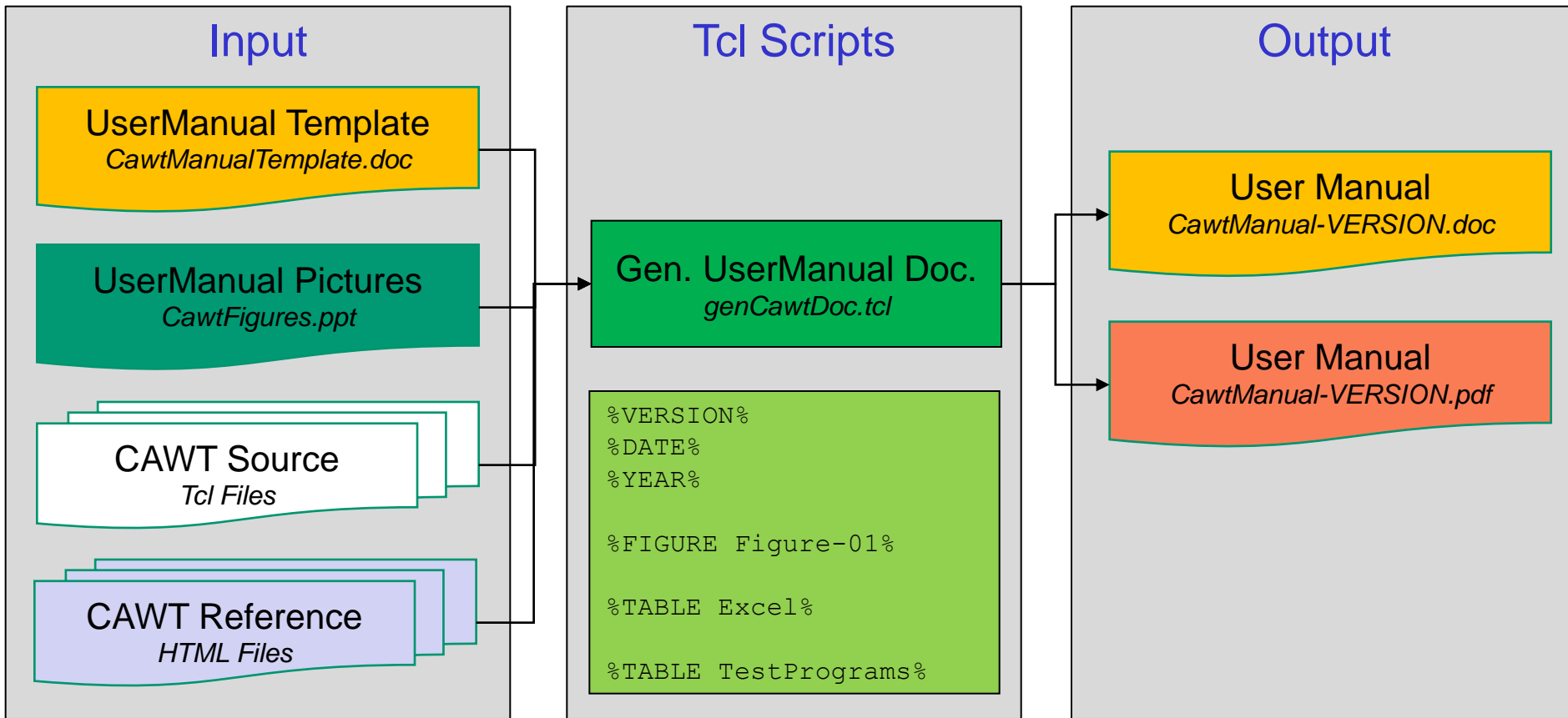
Use Cases@Home – poApps Presentation Manager

Manage PowerPoint presentations:

- Export presentations as preview images.
- Quick overview.
- Build new presentations from preview images.



Use Cases@Home – CAWT Document Generation



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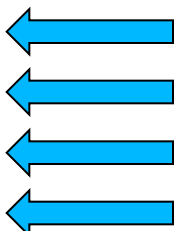
Procedure	Short description
%TABLE Excel%	

Table 3: CawtExcel Reference

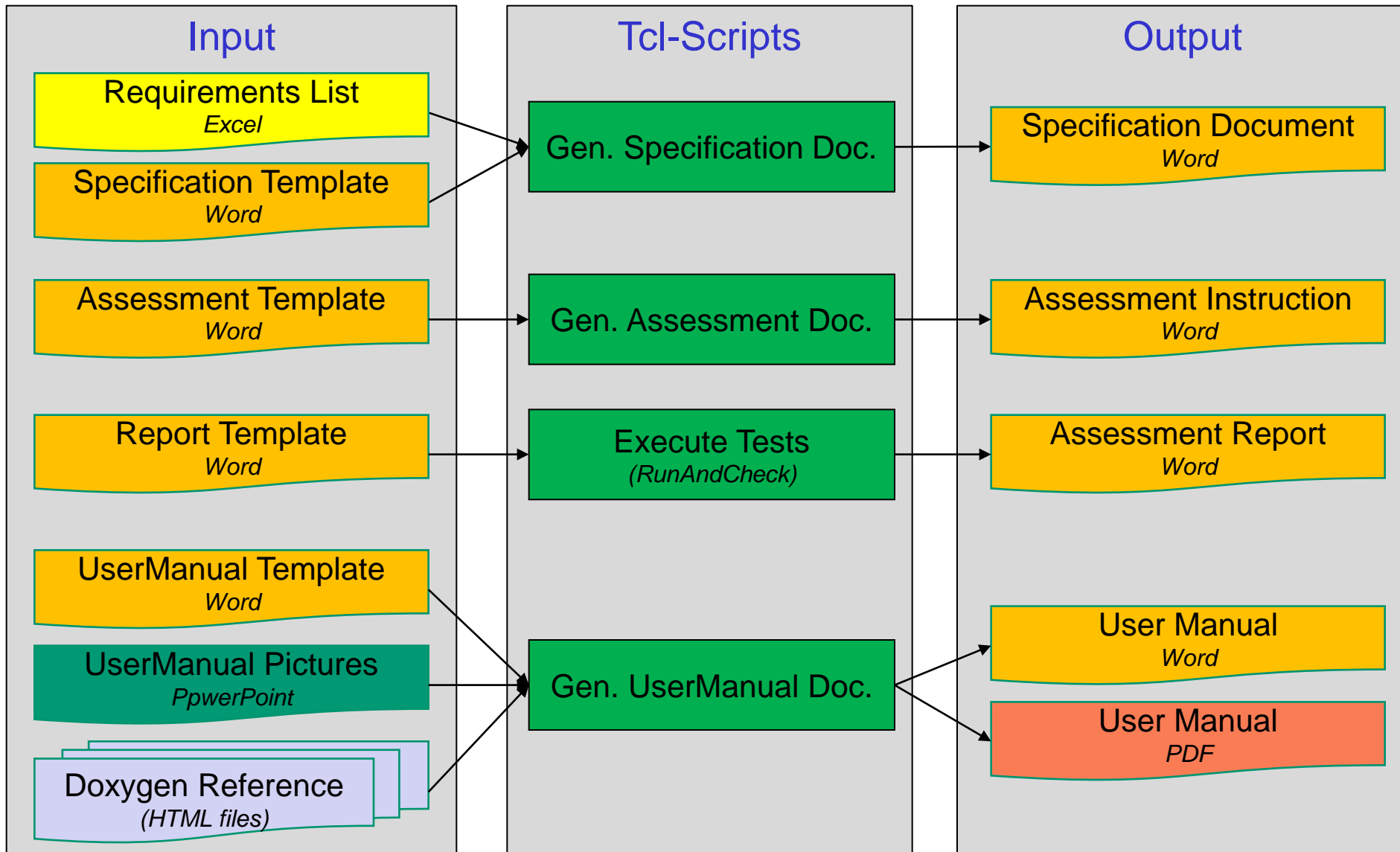
%FIGURE Figure-09%
Figure 9: Module excelHtml

Goal: Fulfill minimal needed formalism for an internal project

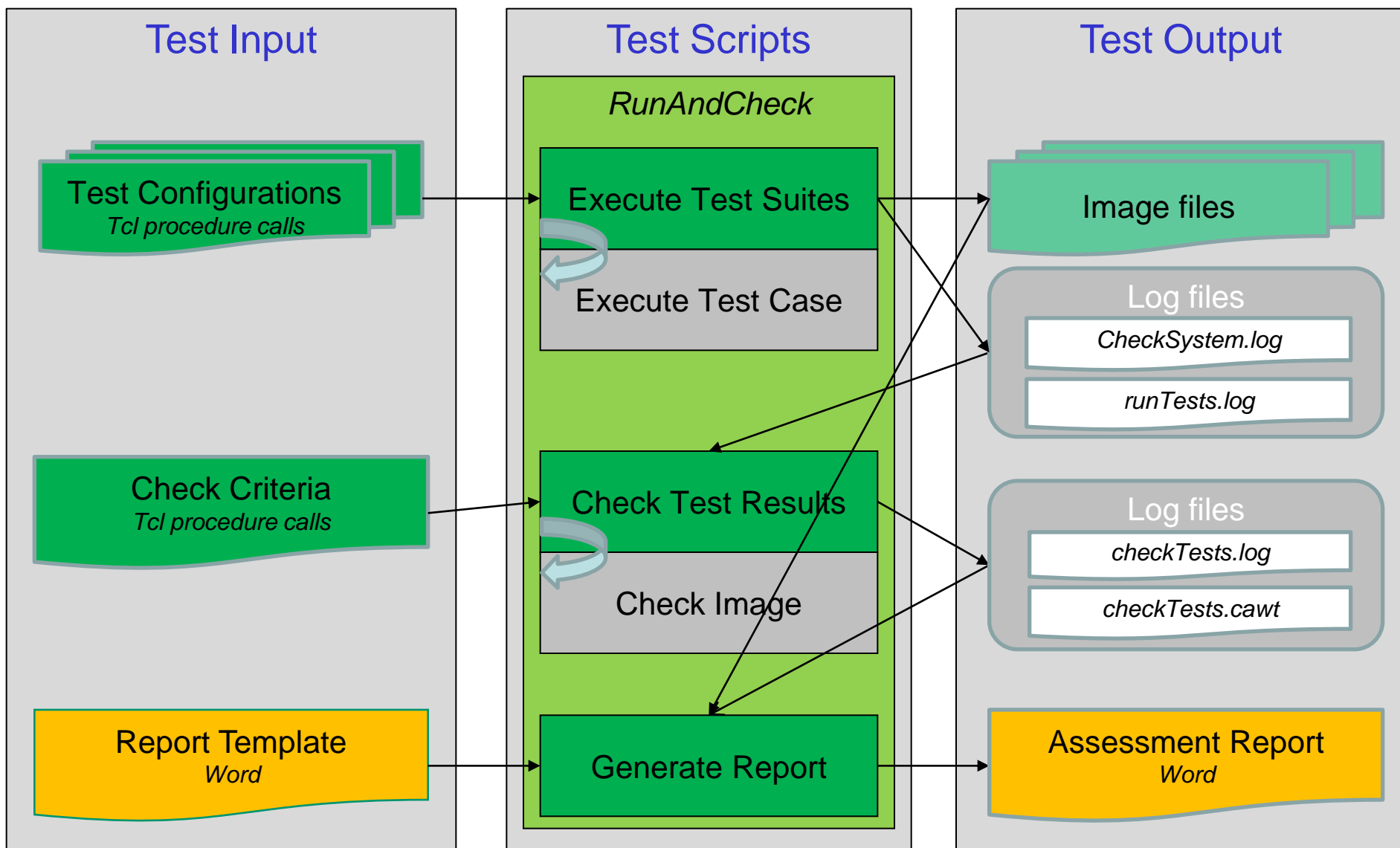
Needed documents in Word with company specific formatting:

- Requirement specification.
 - User Manual.
 - Assessment instruction.
 - Assessment protocol.
- 
- New feature
 - New methods
 - New tests
 - New assessment with QA / CM
- *Software Architecture.*

Use Cases@Work – Poor and Lazy man's tools



Use Cases@Work – Poor and Lazy man's tools



CAWT is available on SF and poSoft

<http://sourceforge.net/projects/cawt>

<http://www.poSoft.de>