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# Open Source as platform for MQM-based industry-wide benchmarks

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# Why Open Source?

#### The technical reasons

- Open collaboration leads to
  - More creativity
  - More people checking and fixing code
  - More people developing features
- This leads to
  - Better stability
  - More feature diversity

of the software

# Why Open Source?

#### The economical reasons

The translation industry is becoming an IT-industry:

- Technical processes of translation will become more complex
  - Automated workflows
  - Automated quality checks & quality estimation
  - Workflows based on the results of automated QA-checks
- Machine translation
- Selling translation processes instead of translation
- Enabling clients to translate content, they never would have translated otherwise
- Web-based systems for every purpose

# Why Open Source?

#### The economical reasons

#### 3 choices for LSPs, to survive and prosper:

- 1. Developing the processes by themselves
- 2. Be completely dependent on the tools and processes of others
- 3. Develop the tools and processes in a shared way based on Open Source

The first 2 choices lead to a market concentration.

The third one will be the option for independence and process control.

### Some philosophical thoughts

- Our economy is based on "taking" greed is the maxim
- It's based on competition working against each other
- This leads to numerous problems: Social ones, environmental ones and economical ones

### Some philosophical thoughts

- Competition costs a lot
- Competition gives no benefit (at least in software)
- While jointly working on a common sense saves a lot

What is needed is a culture based on

giving, sharing and working together –

and receiving back to close the circle.

And: It simply makes fun to work together

Across the boundaries of companies

And to cooperate with competitors :-)

Open Source Ecosystem for the Language Industry

#### **OSELI** is about collaboration

- The diversity of Open Source projects form an ecosystem
- The strength comes from different tools and projects collaborating and interfacing
- The goal is, that all tool and projects are interfacing and cooperating

Enabling plurality of solutions: The idea of an ecosystem

Open Source Ecosystem for the Language Industry

### Integration is about APIs and Plug-ins

- (A) small core system/s is/are needed
- It/They offer/s only core features
- And most important: It/They offer/s
  - A Plug-in system
  - A complete API

# This is what we intend with translate5 OSELI project

Open Source Ecosystem for the Language Industry

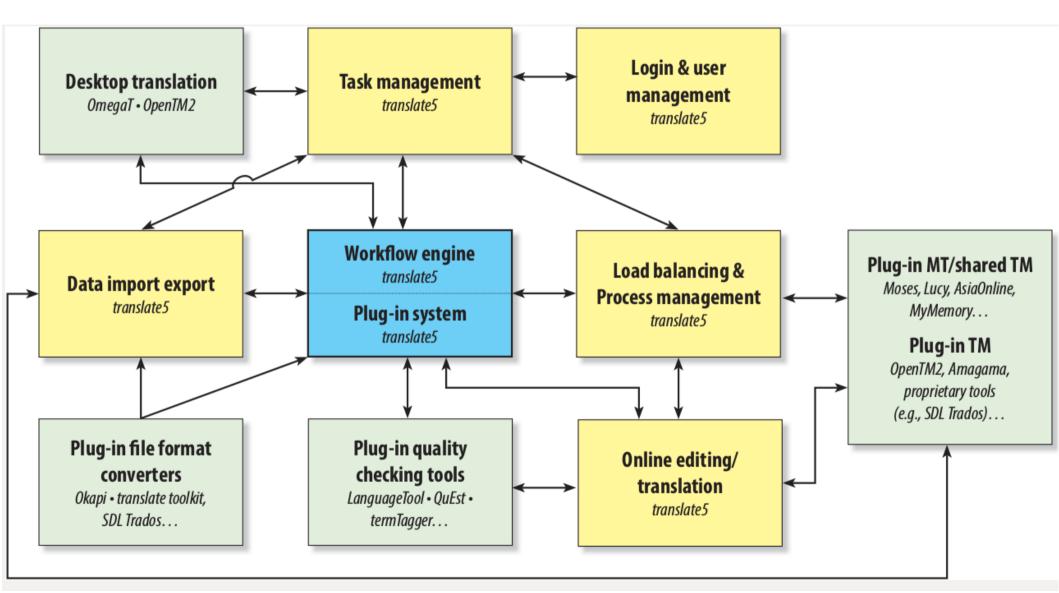
#### **Short discussion break**

Open Source Ecosystem for the Language Industry

#### translate5 infrastructure for integration

- REST-API for nearly everything
- Event-based plug-in system
- Events where needed
- Plug-ins can hook in
  - Import/export
  - Workflow
  - QA
  - Back-end & GUI
  - nearly everywhere

### Present & future



# OSELI translate5 instance Present & future

Short live presentation

# OSELI translate5 instance Next steps

- Flexible TM- & MT-integration
- Flexible workflow engine
- MQM-usage to evaluate business benchmarks

# OSELI translate5 instance Next steps

### Flexible TM- & MT-integration

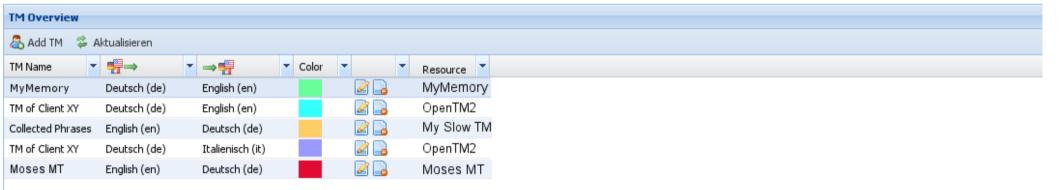
- First project set up for fund-raising from multiple companies
- Integration for matches and concordance search of
  - openTM2 as TM-back-end
  - MyMemory as Shared Memory
  - Moses-systems for MT-Matches
- Will be developed as translate5 Plug-in

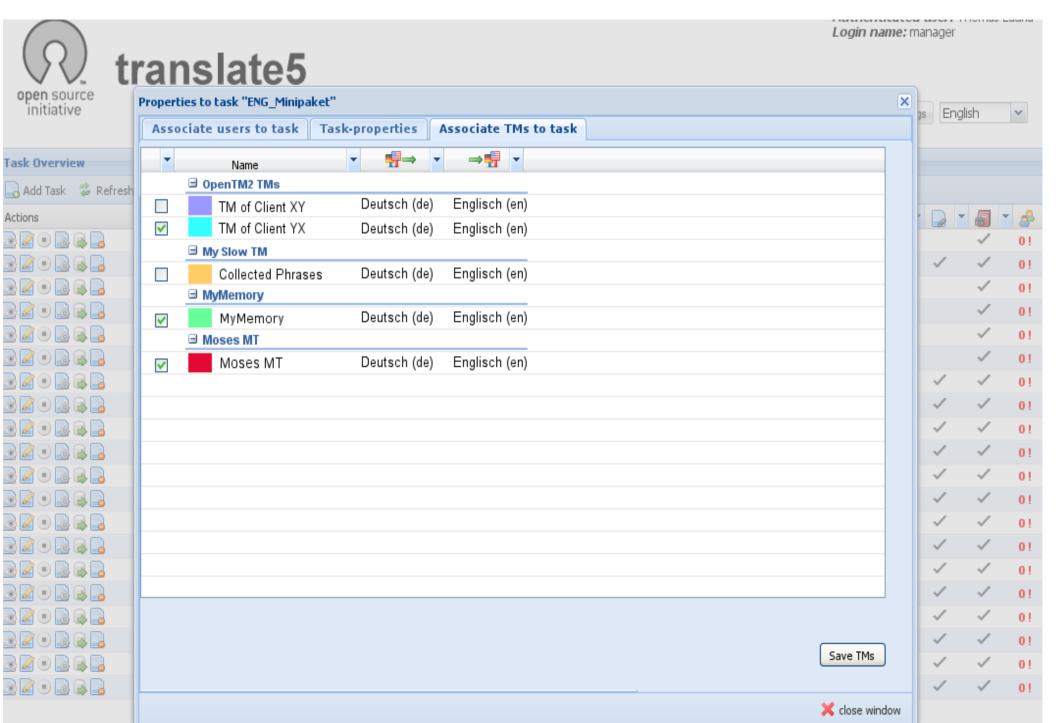


#### translate5

**Eingeloggter Benutzer:** Thomas Lauria **Loginname:** manager

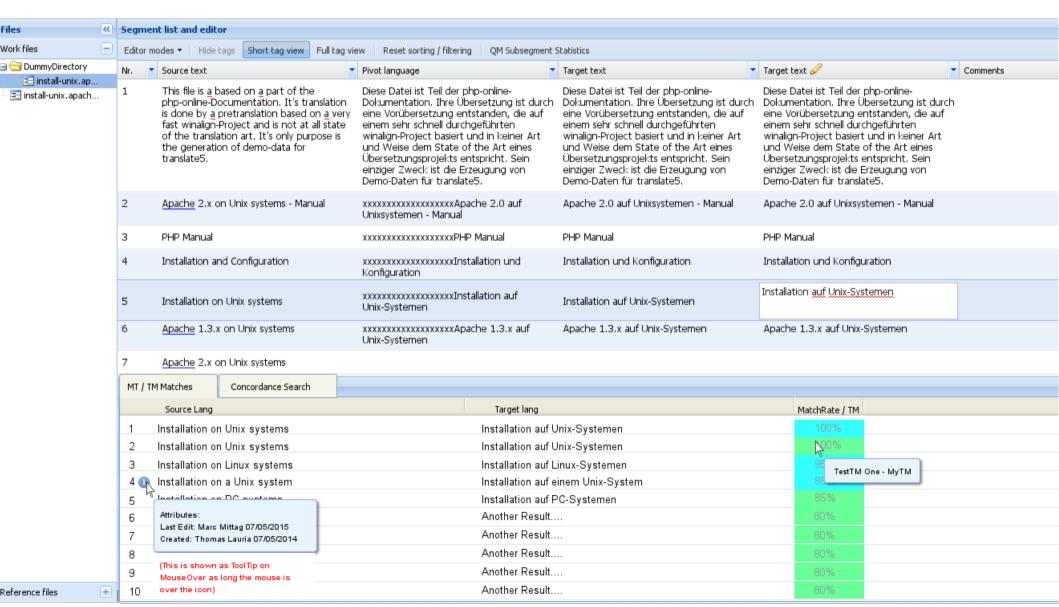






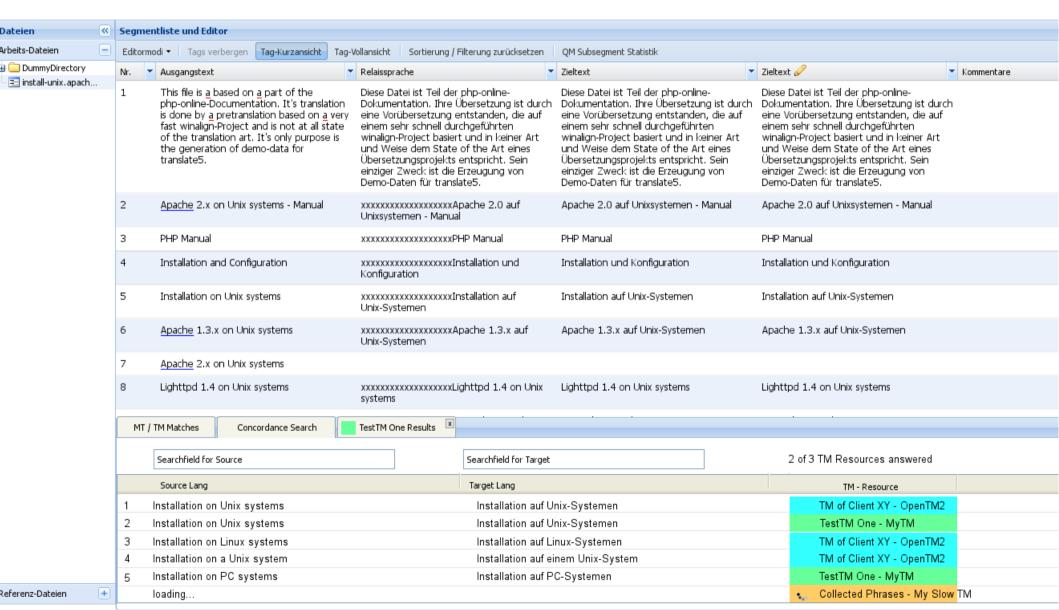


#### translate5

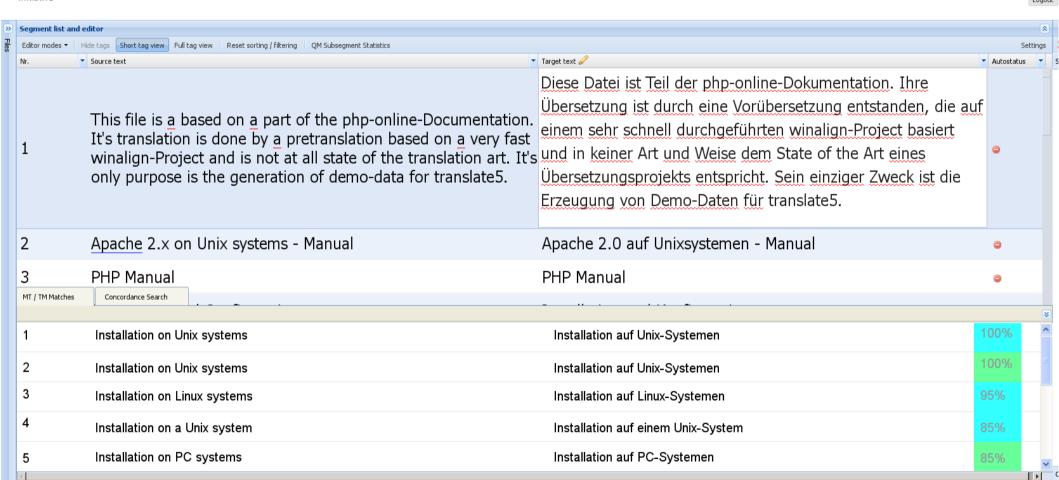




#### translate5







Authenticate Login name: Task: testfiles

# OSELI translate5 instance Next steps

Short discussion break

# OSELI translate5 instance Next steps

#### Flexible TM- & MT-integration

- translate5 project is looking for 10 companies to support the development
- Each supporting company
  - Can influence the development
  - Will get 6 months of exclusive usage before the features will be public
- Beo did fund the specification (incl. architecture concept) https://mittagqi.atlassian.net/browse/TRANSLATE-421

# **Building OSELI bottom-up**

Building OSELI the grass-root way:

- Organizing in open networks
- Open, transparent communication and coordination
- Users and developers joining efforts to reach the goal

This is the way OSELI translate5 project is going to be organized

# Who supports OSELI so far

Open Source Ecosystem for the Language Industry

#### **Organizations**

- GALA
- LT-Innovate
- TAUS
- META-NET

#### **Open Source Projects**

- openTM2
- translate5
- OmegaT

#### **Companies**

- DFKI
- Beo
- Text & Form
- Iolar
- Logrus
- Memsource
- ABBYY
- MittagQI

## **Business benchmarks**

### based on translate5 & MQM

- Based on MQM calculation of a translation quality indicator is possible
- translate5 project
  - Supports MQM markup
  - Aims to support calculation of the translation quality indicator
- For comparability common MQM-sets are needed per
  - Language pair
  - Subject

## **Business benchmarks**

based on translate5 & MQM

A number of companies will cooperate to

- Agree on a number of MQM-sets for specific subjects (e. g. automotive and medical instruments)
- Agree on algorithms to get samples from translation jobs
- Aim to broaden that approach towards an industry standard

## **Business benchmarks**

based on translate5 & MQM

Based on these MQM-sets, samples and translate5 workflow integration

- QA-calculation can become standard in translation industry
- Can be uploaded in anonymised form to a server, which calculates benchmarks
- The Open Source ensures everyone, that the data is indeed anonymised

# **OSELI translate5 project**

Thank you for your attention!

And last, but not least ...

# OSELI translate5 project Get involved

- Contribute your ideas
- Support the development
- Contribute your plugins & get involved in development

Download translate5: http://www.translate5.net/downloads/