LibreOffice in the City of Munich
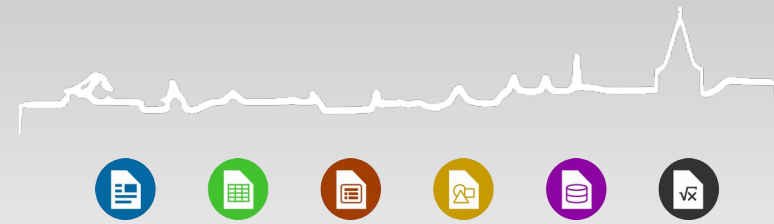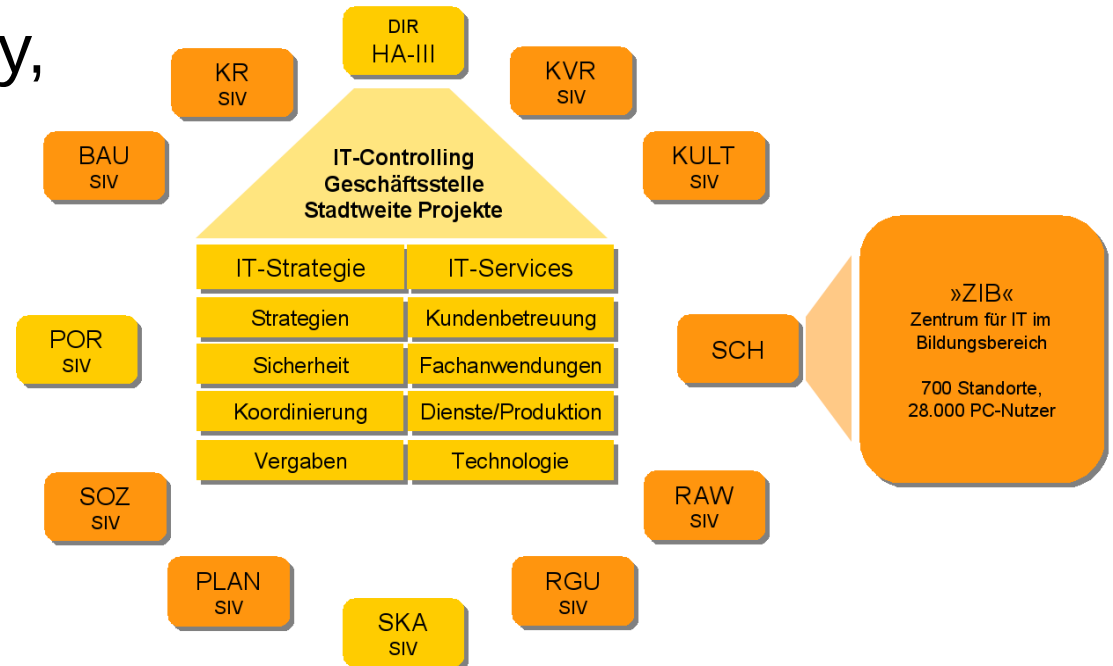Our transition from OOo 3.2.1 to LO 4.1.6+ (incl. WollMux)

- Jan-Marek Glogowski, Linux Client Team
  it@M, Landeshauptstadt München
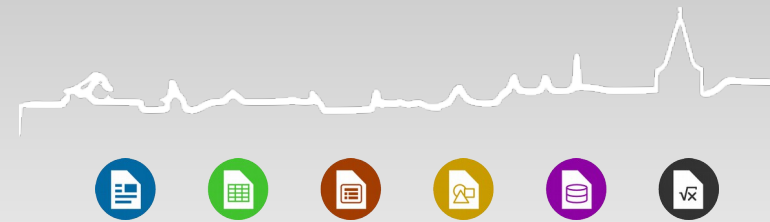
City facts

- 1.5 million residents
- 3rd largest city in Germany, 12th in Europe

- ~ 33 000 employees
  - ~ 1 000 IT personal
- ~ 24 000 PC workstations
- ~ 50 operating locations
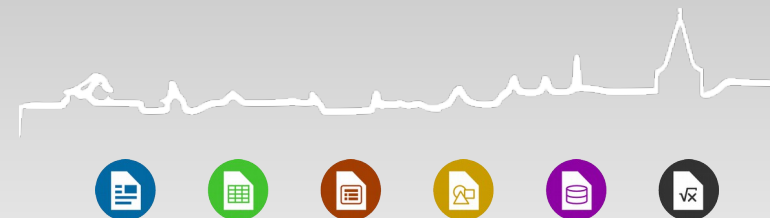- 22 independent IT departments
  - heterogeneous infrastructure

DIR
HA-III

KR
SIV

KVR
SIV

BAU
SIV

KULT
SIV

IT-Controlling
Geschäftsstelle
Stadtweite Projekte

IT-Strategie	IT-Services
Strategien	Kundenbetreuung
Sicherheit	Fachanwendungen
Koordinierung	Dienste/Produktion
Vergaben	Technologie

POR
SIV

SCH

»ZIB«
Zentrum für IT im
Bildungsbereich

700 Standorte,
28.000 PC-Nutzer

SOZ
SIV

RAW
SIV

PLAN
SIV

RGU
SIV

SKA
SIV

Tech facts – LiMux release

- Current Release: 5.0
  freezed in DAK @ 2014-11-27
- Based on Kubuntu 12.04 with KDE 4.12 from PPA
- 18.000 of 24.000 PCs are LiMux based
  - Currently most of all are still on OOo 3.2.1
- **LibreOffice 4.1.6+ (plus = a few 100 patches) + WollMux**
  - *Almost all patches are backports and also in master*
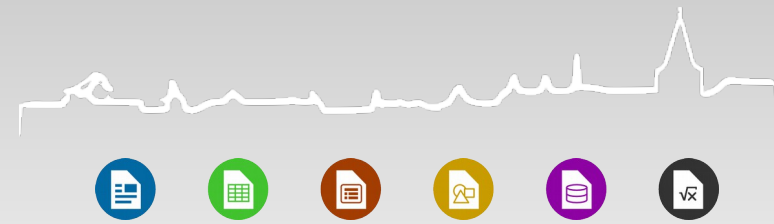 - *All patches available in private/jmux/libreoffice-4-1-...*

Automated building / testing

- Two Tinderboxes with check, building KDE4 Debian packages
  - master on Ubuntu 14.04 / amd64
  - libreoffice-5-0 on Ubuntu 12.04 / i386
- Internal Jenkins jobs for
  - libreoffice-4-1 on Ubuntu 10.04 / i386, Ubuntu 12.04 / i386 and Windows 7 32bit
  - libreoffice-5-0 on Ubuntu 12.04 / i386 and Windows 7 32bit
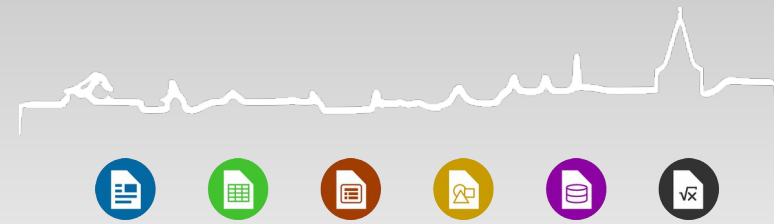- Linux builds use a part of our Icecream build network and ccache, Windows 7 is a 8 CPU KVM virtual machine.

OOo 3.2.1 → LO v4.1.6+

- What we found:
  - KDE4 file picker crashes LO (due to Qt4 bugs)
  - Mail merge much slower
    - But at least not more broken then in OOo
  - Asynchronous printing removed → much slower
  - Broken new APIs (i.e. Calc conditional formating)
    - Macro conversation not possible
    - Macro re-deployment
  - Calc indirect references broken
  - ...

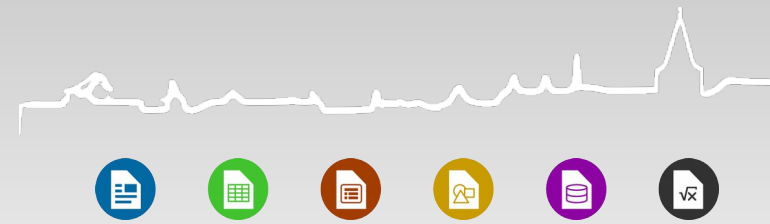(LO 4.1.6 already out of support for a long time in 2014-12)

OOo 3.2.1 → LO v4.1.6+

- What we did: massive tests
  - ~100 standard macros
  - ~100 additional, non-automated tests
  - Various additional tests in the individual departments to cover their special purpose software and processes
  - We had 1 year for features, bugfixes and tests for 4.1
    - ½ time due to additional features
    - We're expecting 6 months tests and fixes for 5.0!

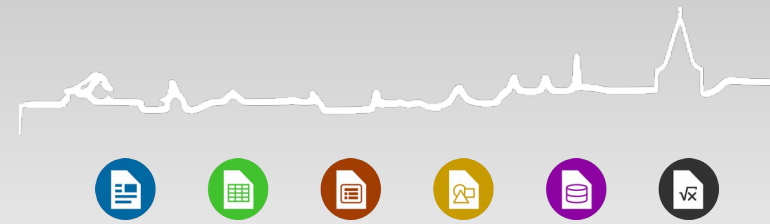- For our macro / "app" / deployment / development techniques see Florian Haftmanns talk @ Thursday 11:30

Future plans

- Migrate to LO 5.0 Q2 2016
  - Almost all our current patchset included
  - Testing starts in October 2015
    - Still in community support :-)
  - Still compiles with Kubuntu 12.04 (gcc 4.6)
    - Will be our largest installed base in 2016
    - BTW: transition to 14.04 Kubuntu until 2017
  - Will be supported for 2 years
    - Next LO transition Q2 2018 currently AKA LO 5.4
    - See any problem with the 6 months release cycle?

BTW: our own LO LTS

- Munich is already doing its own LTS
  - Remember – we have a few hundred patches
  - Security updates anyone?!
- Multiple companies offer LTS LO version
- For every release (½ year) we would have to to
  - evaluate all our macros
  - test all our common use cases
- We expect our LO 5.0 tests and bug-fixing to run for 6 months
- For us it would be nice to have a 2 year cycle (Ubuntu LTS)

- Interested in LTS? Go to the LTS BoF @ Fr. 9:30

More information

- www: http://www.muenchen.de/limux
- email: limux@muenchen.de
- talk: Linux in the City of Munich @ DebConf15