LibreOffice
The Document Foundation

Aarhus · 2015
CONFERENCE
23rd-25th September

Welcome to
LibreOffice Conference 2015

Prog ram

Welcome

Welcome to the LibreOffice Conference 2015 in Aarhus.

This book contains a lot of valuable information about the conference programme, the venue and the city.

The team of conference organizers are very happy to see you and we will do what we can to make your comfortable during the conference. If you have any questions or if we in any way can help you, please contact us at the front desk.

Credits

Photo by Adam Mørk.

City map: (c) OpenStreetMap and its contributors.

This conference program has kindly been printed by PROSA.

Forbundet af It-professionelle

PROSA

Content

Our sponsors

Main sponsors

Canonical produces Ubuntu, the leading open-source platform for cloud, personal computing and next-generation devices.

Ubuntu introduces a new mobile experience for phone users, a smarter ecosystem dynamic for developers, and unprecedented differentiation opportunities for carriers and device manufacturers. Ubuntu ships on millions of PCs annually, aimed at education, government and enterprise markets. Ubuntu also enables next-generation devices at the heart of the internet of things.

Ubuntu is used in 80% of production OpenStack cloud deployments worldwide. Canonical's scale-out expertise and orchestration technology enable software-defined-networks and storage, providing the platform of choice for network equipment providers and operators.

CIB is a renowned provider of document lifecycle management and electronic invoicing solutions. Our customers rely on us for their document processing at enterprise scale - ranging from banks to insurances, and of course public administration. We are a proud supporter of The Document Foundation.

For LibreOffice, a recent addition to our portfolio, we offer comprehensive support and service solutions, tailored for enterprise deployment.

With our effective team of certified LibreOffice professionals, we provide you with migration and operations support for all things LibreOffice. Ranging from LTS (security updates and patches for at least 3 years) to training and consulting - with LibreOffice powered by CIB you tap into 25 years of experience with business and public sector processes, as well as a proven track record of LibreOffice deployments.

Collabora Productivity is the world's leading LibreOffice services company. Dedicated to Open Source productivity in enterprise and public sector environments, it houses the largest team of certified LibreOffice engineers, and is a leading contributor to the LibreOffice code base and community. Via its flagship product, LibreOffice-from-Collabora, the company provides a business-hardened, cross-device office suite with long term multi-platform support suitable for the most demanding environments. Collabora Productivity is a division of Collabora Ltd., the global software consultancy devoted to providing the benefits of Open Source to the commercial world, specialising in automotive, semiconductors, digital TV and consumer electronics industries.

Large sponsors

Google is a proud user and supporter of open source software and development methodologies. Google contributes back to the Open Source community in many ways, including more than 35 million lines of source code, project hosting on Google Code, projects for students including Google Summer of Code and the Google Code-in Contest, and support for a wide variety of projects, LUGS, and events around the world.

With 15,000 members working professionally with IT, PROSA stands out as the leading interest group and labour association for organised IT Professionals in Denmark. Our membership benefits include:

Legal advice
Job and career planning
Networking opportunities with other IT professionals
Competence development
Events and debates
Discounts and special benefits

PROSA is a democratic and professional association, with no ties to political parties. At the same time we have a strong political engagement in questions related to the implications of IT for the wider society - eg. privacy issues, digital rights etc.

Magenta provides solutions for document management, IT integration, web and design. We have delivered Content Management Systems and document management primarily to large public sector institutions since 1999. Over the recent years we have worked intensely on becoming the leading Danish supplier of products and services based on the concept 'open computing', meaning a solid focus on open standards and open source. Magenta has specialized in developing advanced IT solutions, that not only function in the purely technical way, but also help our clients improving their communication and reaching their targets. We are able to do this because we have a strict focus on usability and user needs in our design information architecture and functionality.

Medium sponsors

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to reliable and high-performing cloud, Linux, middleware, storage and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As the connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

Minor sponsors

VersoLibO is a collection of web-accessed training materials and video guides explicitly designed for those about to undertake a transition to LibreOffice. Our decade of experience in the field of migration projects has enabled us to create VersoLibO as a support tool for users facing the change. VersoLibO is available in English and Italian.

The venue DOKK1

The venue will be a completely new venue on the harbour in down town Aarhus called "Dokk1 - Urban Media Space Aarhus".

Urban Media Space provides space for contemplation and knowledge. It is an attractive, intelligent and interactive building, which supports the users' desire to learn and experience. Urban Media Space will house the city's main public library, whose audience PC's is running a customized version of Ubuntu and all have LibreOffice installed for the city's inhabitants to use.

Conference area
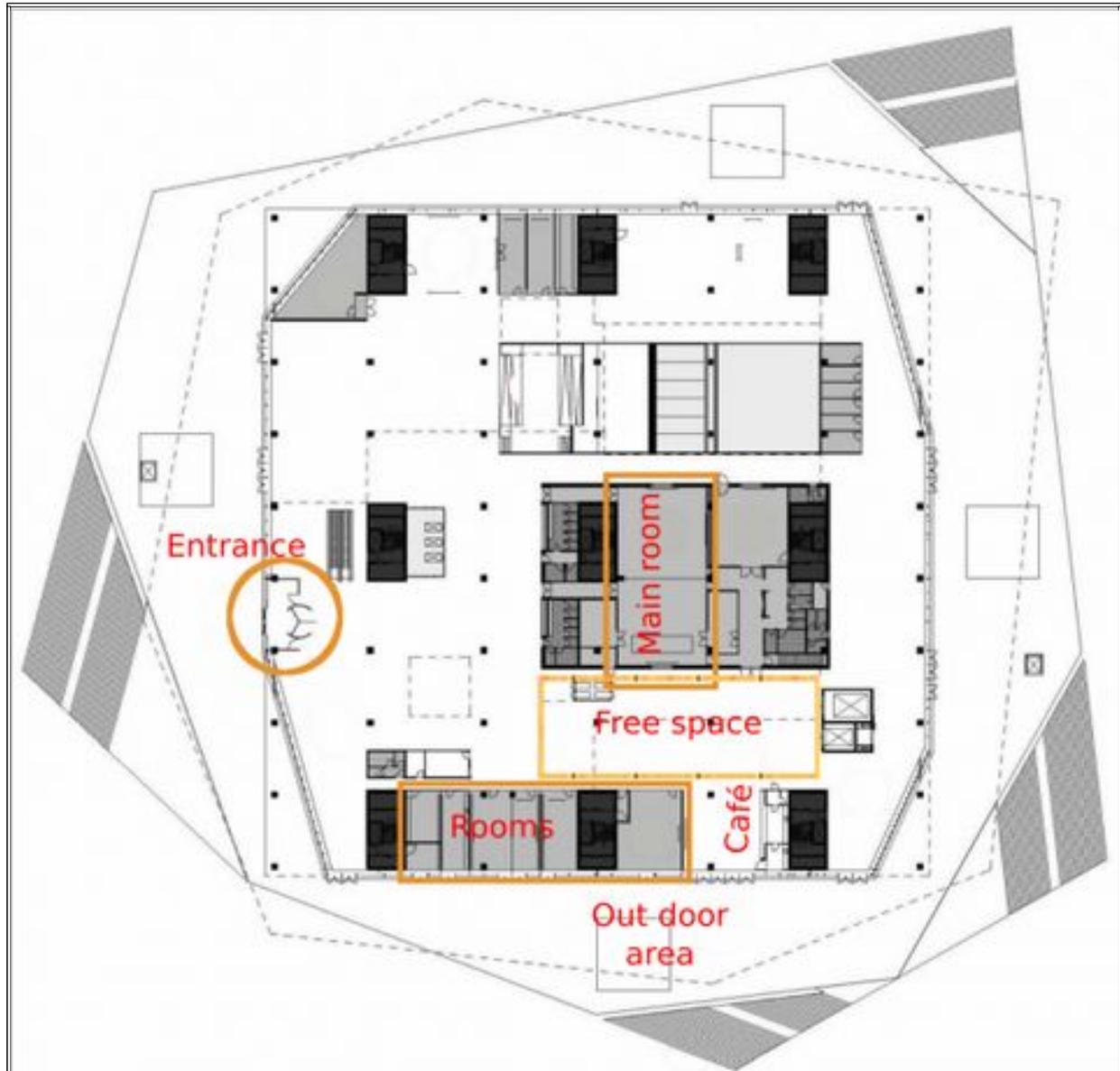
About Aarhus

Aarhus is a dynamic city on the Jutland peninsula in Denmark. From here, beach, harbour and forest are all within reach of a 15-minute bike ride.

315.000 people live in Aarhus and 1,2 million people live in the greater Aarhus Area. With 13% students, Aarhus is the youngest city in Denmark but at the same time is Aarhus one of the oldest cities in Denmark.

Aarhus is a smart city. Smart Aarhus wants to be an internationally leading, Scandinavian model for urban development based on partnerships. The digital technology is both a challenge and an opportunity to develop the city of the future. Smart Aarhus is a new mindset developed in order to create sustainable urban innovation and growth.

Aarhus has a large and diverse open source community that consists of a number of individual groups of hackers and activists. Most of these groups are connected around the local hackerspace, Open Space Aarhus. All these communities will more or less be involved in the preparations for the conference. As of now, the following organizations have stated an interest in co-organizing the conference: Ubuntu Danmark (local group), Free Software Foundation Europe (local group), Open Space Aarhus and PROSA (the IT worker's union).

The opportunities for shopping is Aarhus are absolutely in top. Aarhus has a broad variety of both mainstream stores on the main shopping street and in the many malls located in the center of Aarhus. Also the man specialty stores in the old latin quater of Aarhus are worth a visit.

Even as we speak, our city is running for European Cultural Capital in 2017. The theme? Rethink!

Aarhus is a city of education, knowledge and research. Its university is internationally recognized for its contributions within, among other fields, social sciences, technology and science. Aarhus is known to attract talented students from around the world which also provides the city with a great diversity. This makes Aarhus the most well-educated city in Denmark. When you look at the business areas in which we excel, this becomes quite clear…

Clusters of knowledge within fields such as public health. technology, energy, food, and agriculture form an axis that cuts through the city.

87% of Denmark's total wind energy revenue is created in the greater Aarhus area. And 20.000 IT-jobs within a radius of 10 km make Aarhus a hotspot for IT innovation.

Creativity thrives with 330 architectural companies and 492 design-related companies working hard at changing our perspectives.

Right now, building projects worth more than 4 billion Euros is underway, creating among other things Northern Europes biggest hospital and an all-new part of town on the waterfront with room for 7.000 new Aarhusians. The venue for the LibreOffice Conference will also be hold in one of the new areas located in the heart of Aarhus.

Welcome to Aarhus.

City map
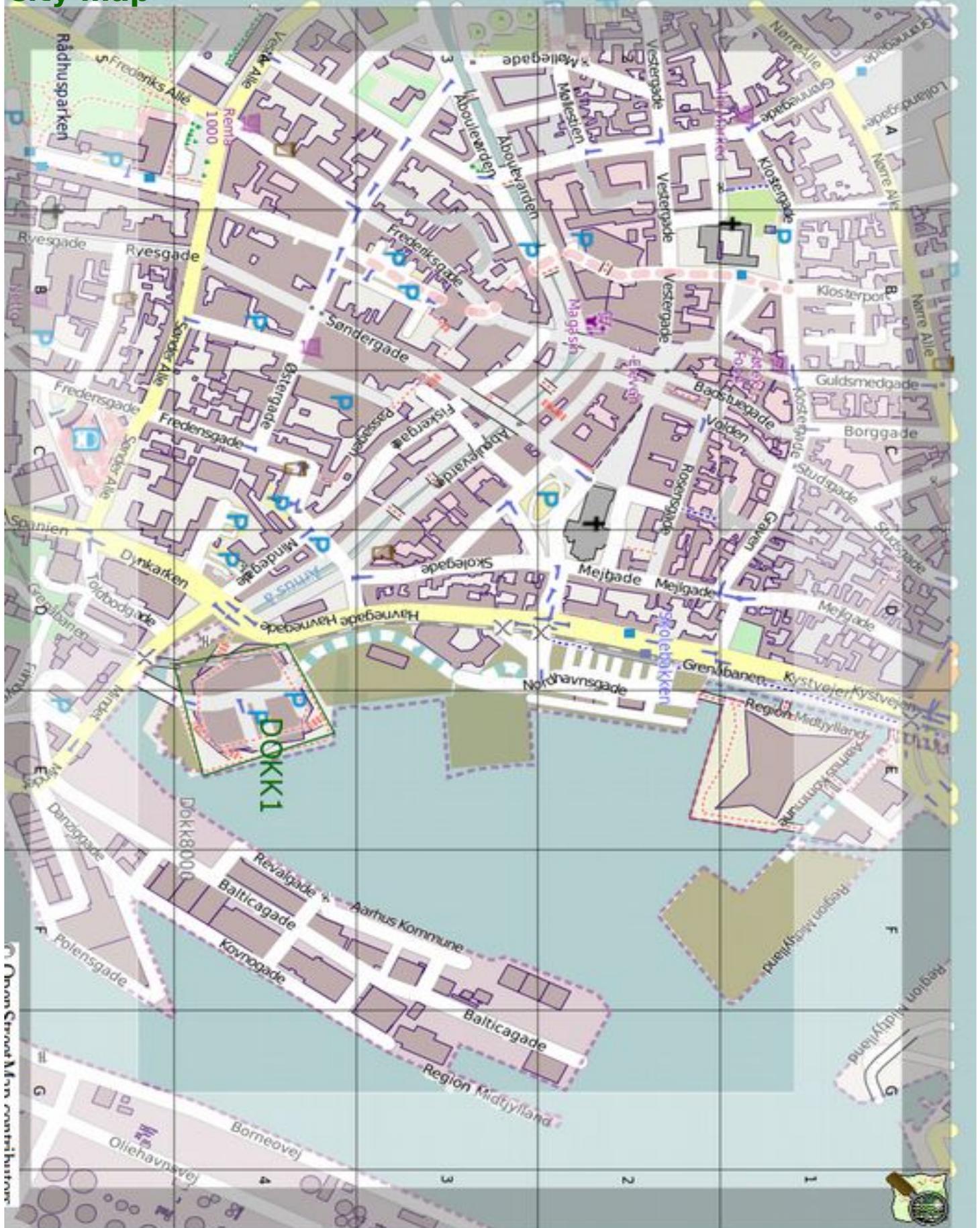
Where to eat?

Experience true gastronomic delights in Aarhus, distinguished by the use of excellent fresh products. Newlycaught fish landed at the harbour, local delicacies, vegetables from the island of Samsø, and fresh produce from neighbouring Djursland

Gourmet experiences

Aarhus has a lot of gourmet restaurants and even Michelin star restaurants. Please visit this site to see more: http://www.visitaarhus.com/ln-int/denmark/restaurants/gourmet-experience-aarhus

Restaurants

Aarhus is known for its café life in down town Aarhus, but are you looking for a more formel place to eat, try to take a look at the various restaurants which is situated in the heart of Aarhus: http://www.visitaarhus.com/ln-int/aarhus/eating-out-aarhus ⎕

Cafés

As mentioned Aarhus is known for its café life in down town at the canal. There are many types of cafés for different purposes and taste in food and drinks. Please visit this site for inspiration or just take a walk at the canal and choose for yourself. http://www.visitaarhus.com/ln-int/aarhus/cafes

Transportation

Flight

Tirstrup Airport is about one hour from Aarhus by bus or taxi. Map: http://www.openstreetmap.org/#map=12/56.2916/10.6507.

Shuttle busses to Aarhus run on almost hourly schedule. Look for route number 925X when you are travelling with the airport shuttle. You can check the airport shuttle schedule here: https://www.midttrafik.dk/koereplaner/lufthavnsbusser-%28airport%29/aarhus-airport-%28uk%29.aspx

Billund Airport is about two hours from Aarhus by bus. Some international flights: http://www.bll.dk/?sc_lang=en

Train from Copenhagen

Copenhagen Airport is about three and a half hour by direct train leaving hourly during day time. Travel time is approximately 4 hours.

You can use the Danish travel planner (http://rejseplanen.dk): http://www.rejseplanen.dk/bin/query.exe/en. You can buy tickets on the page as well. we recommend that you buy tickets before you leave. The seat reservation is actually quite cheap, so if you mis your train then you can just jump on the next train from the platform.

Its possible to buy tickets in the airport. After passing customs office just continue ahead. There is a counter where you can buy tickets. Just ask for train tickets with seat reservations. The prize is approximately DKK

382,00 per person each way.

The platform is just behind the ticket counter in the airport.

Important: even though Tirstrup and Billund are the closet airports to Aarhus, sometimes it is easier and much cheaper to travel to e.g. London, Amsterdam, Hamburg and then take a fligth from there. Also Copenhagen + train to Aarhus is often easier due to the many more connections to Copenhagen and the trains leaving from CPH Airport in a frequent interval.

Bus from/to Copenhagen to Aarhus

Its possible to go by bus from the airport in Copenhagen directly to the city center in Aarhus:
http://www.abildskou.dk/en/

Travel time is between 4 and four and a half hours. This is the cheapest way to go from Copenhagen to Aarhus.

International train

Trains from Germany, Norway and Sweden are possible. Please contact your local ticket provider.

If you need to take a train or a long distance bus please visit DSB's website http://www.dsb.dk/om-dsb/in-english/ for general information and use a great tool for planning your travel, (which can also be downloaded as an app) - the Travel Planner, http://www.rejseplanen.dk/bin/query.exe/en for all kinds of transportation and how to get from A to B in Denmark.

Local transportation

Local transportation within the city is by bus. Aarhus has a great system of busses. Please note that taxi is quite expensive to use and is only recommended if travelling during late night.

Local transport: https://www.midttrafik.dk/in-english.aspx

The Travel Planner is also a great tool for taking the local busses: http://www.rejseplanen.dk/bin/query.exe/en.

Other alternatives are also the city bikes, which are possible to use at various locations around the city. Aarhus City Bikes: http://www.aarhus.dk/sitecore/content/Subsites/AarhusBycykel/Home/English.aspx?sc_lang=da
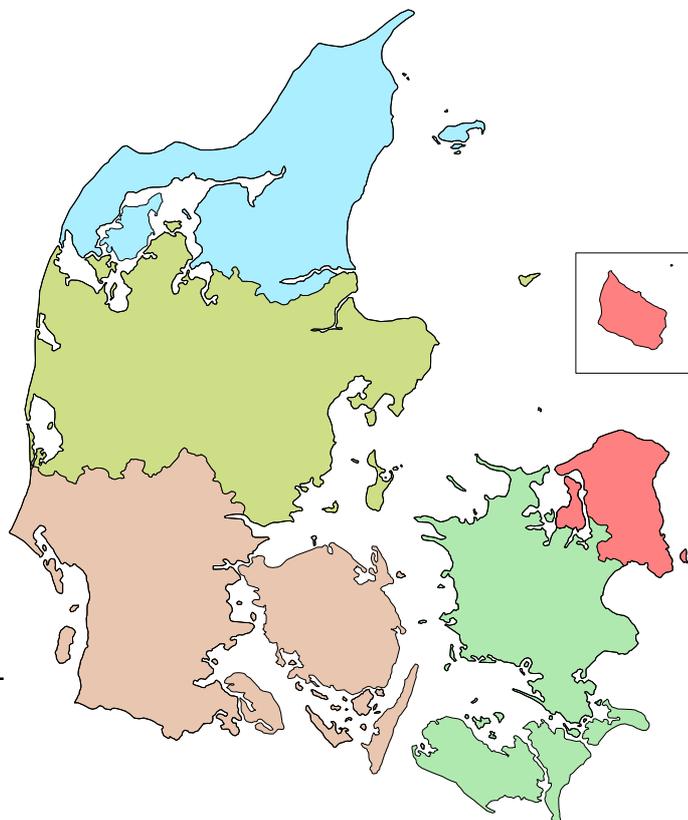
Our sponsor
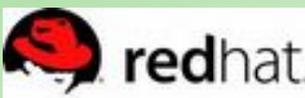
Miscellaneous

Power plugs

In Denmark the standard voltage is 230 V. The standard frequency is 50 Hz. The power sockets that are used are of type F / K. Read more: http://www.power-plugs-sockets.com/denmark/

Currency

In Denmark the currency is called kroner (abbriviated 'kr'. or 'DKK'). Shops normally don't accept Euro. You will find ATMs on every street corner in the cities. All banks has at least one ATM outside every branch. You will also find an ATM just after the customs office at the airport. Most shops accept international credit cards.

Tip

According to Danish law, any service charge, including tips for waiters, has to be included in the price in restaurants. It is not common practice to tip the waiter unless you have had an extraordinary experience at the restaurant.

Read more about the topic here: http://www.tripadvisor.com/Travel-g189512-s606/Denmark:Tipping.And.Etiquette.html
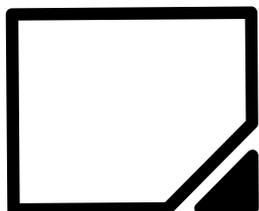
The conference

Food and beverage

During conference days September 23th - 25th there will be coffee, tea and fresh water free available during most of the conference time.

Lunch bags will be provided for free for all pre-registered participants. There will be provided special lunch boxes for participants with special needs e.g., vegans and people with allergy. Please consult the front desk if you have added special requirements on your pre-registration.

Cafè

There is a small cafè at the venue where you can buy additional food and beverage for your own expense.

Wif

During the conference there will be Wireless internet available for all participants. Details about login will be provided to you at the front desk. If you have problems with the connection during the conference, please don't hesitate to contact the staff at the front desk for help.

Video recording

All sessions will be video recorded and published later.

Talks

Native Language, Community and Certiffcation

State of the Project

By Italo Vignoli, Michael Meeks, Florian Effenberger

The Document Foundation and LibreOffice after five years: what we have achieved in term of awareness and reputation, development and quality assurance, infrastructure and organization. The project figures - developers, other core volunteers, native language projects - and a look at the future.

Bio: Italo is a founding member of the LibreOffice project, and a former BoD member. He has been involved in free software marketing and communications since 2004, is in charge of marketing and PR at The Document Foundation since the early days, and oversees the certification program.

One year of Associazione LibreItalia

By Gabriele Ponzo and Andrea Castellan

"Retrospective and perspective"

Associazione LibreItalia ONLUS was founded on August 2014. As of today it has more than 200 members and animates "LibreOffice Italian Community" on Google+ with about 2.600 users. Goal of this Association is indeed to aggregate all users of LibreOffice Italian Community to accelerate the deployment and promotion of LibreOffice and all FLOSS (Free Libre Open Source Software). Moreover the Association supports the dissemination of digital culture, Open Data Formats (just like ODF - Open Document Format), Open Data and Open Knowledge. Yet in the first year LibreItalia has been recognized as the unique italian association having the status of "Affiliate Member" of OSI (Open Source Initiative) and has been selected as part of the "National Coalition for Digital Skills" established by AgID (Agenzia per l'Italia Digitale - Digital Italian Agency). During the talk they'll be explained and shared some main activities brought forward by the Association, including:

Schools support (primary and high) on choosing Free Software to be used for didactics and administrative purposes, through workshops and free trainings;

Training to teachers and students on FLOSS and LibreOffice through a formative project called "Grow up with bread and free software", included in AgID's national platform for digital skills;

Publishing an e-book useful as a giude in schools which presents FLOSS migration's adavantages in schools and gives useful tools to adopt LibreOffice in didactics and documents management;

Production of teaching materials on LibreOffice (slides, manuals, guides and tutorials) released under Creative Commons license;

Supporting to ECDL (European Computer Driving License) based on FLOSS products through the arrangement of teaching materials, exam preparation exercises and on-line simulations;

Organization of seminars open to students, parents and teachers about the importance of digital freedom;

Promotion of meetings in schools (but not only) about conscious use of Internet targeted to parents and teachers; …and much more, including positive news about huge migrations on which the association is giving massive support.

Bio: Andrea Castellani IT Advisor, free software specialist, TDF Member, co-founder and BoD member of LibreItalia ONLUS association, works at Umbria Region in ICT department. He worked on Open Source Competence Center of Umbria Region (CCOS) and in LibreUmbria project (http://www.libreumbria.it), a regional initiative to widely adopt LibreOffice productivity suite on regional and local government, schools and authorities in Umbria Region.

Gabriele Ponzo: Early adopter from StarOffice time, he joined Progetto Linguistico Italiano OpenOffice during the 2009 Conference in Orvieto, and has been part of OpenOffice.org community until LibreOffice was born. Training and support are his most activities and he's working on LibreUmbria project as a teacher. TDF member since september 2013, currently in Membership Committee, co-founder of LibreItalia ONLUS, where he's also in the BoD. Certified Teacher and Migration Expert (by TDF) since January 2015.

New extensions and templates repository

By Andreas Mantke

The new LibreOffice Extensions- and Templates-Repository The talk will give an overview on the new LibreOffice extensions- and templates repository that will improve the way for contributors to provide their LibreOffice extensions and templates. It will also show the implementation of new messaging features for contributors, reviewers etc. and the new more shiny design and structure of the websites view (and presentation to the plain user).

Bio: Born in 1959, I'm working for a social insurance institution in Germany. Since autumn 2002 I support LibreOffice and it's antecessor. Currently I'm one of the members of the Board of Directors at The Document Foundation and working on admin task for LibreOffice and The Document Foundation, especially on Plone related tasks.

Amazing hidden features of Writer

By Németh László

Easter eggs have been removed from LibreOffice, but as a standard office suite, LibreOffice still has got (too) many secrets. As a developer of hidden or not so hidden LibreOffice features (for example, Hunspell, LibreLogo or the new Emoji short name replacement support), and as a Writer consultant of an academic journal and other publications, I will show amazing Writer tricks and solutions for typesetting and graphical design, introducing also new hidden features of LibreOffice 5.0.

Bio: Software engineer at Collabora, TDF member, activist of FSF.hu Foundation, Hungary.

Community Lobby: Yes, We Can (Influence)

By Italo Vignoli

The LibreOffice project represents the best alternative to Microsoft Office, and is the champion of the ODF

standard file format. Because of this situation, the LibreOffice community is often involved in interactions with politicians. Although we do not have the same economic leverage of Microsoft, we can nevertheless influence politicians using communication tools. The presentation will summarize the experience of the Italian community in this area.

Bio: Italo is a founding member of the LibreOffice project, and a former BoD member. He has been involved in free software marketing and communications since 2004, is in charge of marketing and PR at The Document Foundation since the early days, and oversees the certification program.

A case study on Vietnamese localization

By Nguyen Vu Hung

The past, current status and and how did we engage the community.

In this session, I will talk about how the LibreOffice community was united, what we have been doing and the highlighted topics in community engagement as well as current status and where we are going from now. Some interesting cultural findings will be shared here with the hope that they are useful for those who works between the West and the East.

Localising to Tamil and its deployment in Malaysian Tamil-medium publi

By Elanjelian Venugopal and Arun Kumar

The presentation will cover the following subtopics:

Challenges faced by Tamil Community in localizing free software in general and LO in particular, including the issues surround the lack of standardization of technical terms in Tamil.

Challenges in localizing due to the difficulty in understanding the context of term usage (i.e. different words need to be used based on context, but as context information is not readily available, multiple iterations are required before the terms are translated properly).

Progress achieved in implementing LO in Tamil across 72 schools serving 29,000 children annually. How this was achieved with limited budget and manpower, and why it has proven popular among the low-income communities. Nonetheless, due to limitations highlighted above the likelihood of LO being used higher-end work remains limited, without serious investment from a Government or a large charitable Foundation.

Bio: Elanjelian Venugopal joined the free software movement in 2002, when he led a team effort to localize Mozilla to Tamil. He also became the OpenOffice.org Tamil localization project co-owner in 2003. In 2004 co-founded Thamizha.org, which promotes Open Source software among Tamil speakers worldwide, and coordinates its localization to Tamil. Elanjelian is also the owner of the LanguageTool Tamil project.

Arun Kumar has been active participant of Tamil Free Software movement since 2007. He has been a co-lead of Ubuntu Tamil localization project, and currently co-heads the localization of all Mozilla projects to Tamil.

LibreOffce Community in India

By Rajesh Ranjan and Chandrakant Dhutadmal

Opportunity under Digital India Initiative Abstract: The Digital India programme is a flagship programme of the Government of India with a vision to transform India into a digitally empowered society and knowledge economy. Digital India is a rich and complex program. Recently a policy document is launched in which huge importance is given to open source solutions. In the same document, under "3.22 Annexure - II Illustrative list of OSS" LibreOffice is the preferred application for documentation. The Digital India initiatives aims at reaching to 250000 villages of India by 2017. The above perspective is important for LibreOffice and as an organization, it should try to spread its wings in different parts of India with the help of Indian community. The presentation will try to showcase the need of the LibreOffice Community activity in India in the new scenario. Also, the talk will try to discuss and brainstorm with the libreoffice global leads and participating Indian community about the approach that will be beneficial for the LibreOffice and Indian community both. We will also show some of our efforts done till now. We will also be able to talk about efforts of various organizations in India like NeGP, C-DAC, IIT's, Language Communities, e-Learning module of Jharkhand Police and several others to spread word about LibreOffice.

Bio: Mr. Rajesh Ranjan, Open Source Community Manager, NeGD, Govt of India. Mr. Rajesh Ranjan is a community strategist, localization professional, journalist and writer. Currently he is working as an Open Source Community Manager, National e-Governance Division (NeGD), Govt. of India. He worked as Language Maintainer, Hindi with Red Hat for more than 10 years. He is the vision behind the FUEL Project and he is coordinating the project since he started it in 2008. He has done pioneering work in bringing FOSS Computer in Hindi. Also, he is coordinating Hindi language community of Fedora, Mozilla, and LibreOffice. He is associated with GNOME and KDE along with several open source projects. He is a Fedora Ambassador and Mozilla Reps as well. Rajesh also mentored Maithili Localization community to bring Maithili Computer. Before joining Red Hat, he worked with reputed media company like The Indian Express Group and Literate World, Inc as a journalist. Recently he wrote a techincal book on how to make your own computer in your language titled 'Apna Computer Apni Bhasha Mein' in Hindi, published by Samayik Prakashan.

Mr. Chandrakant Dhutadmal, Senior Technical Officer, C-DAC, Pune. Mr. Chandrakant Dhutadmal is a post graduate in computer engineering from university of Pune. Starting his career as a University of Pune approvedfaculty in computer engineering stream, he served various engineering colleges for a period of five years before joining Centre for development of advanced computing (C-DAC) in January, 2006 as Member Technical Staff. Currently he is working as Senior Technical officer, in Graphics and Intelligence based scripting technology (GIST) group of C-DAC and coordinates Translation activities related to Open Source Software for various Indic languages. His specialization includes Localization and Internationalization, Project Management, Software and Quality Engineering and is currently working on various research projects of State and National importance. He is a Certified Localization Professional (CLP Level 1) from The Institute of Localization Professional (TILP) since 2010 and Distinction holder in online certification course in eGov of Govt. of Maharashtra. He is an active member of free and open source projects like LibreOffice, Mozilla Firefox and FUEL project. He also likes to spread word about Localization and Open Source softwares by holding talks in conferences and other gatherings. He has recently started an Task Force of Software Testing and Quality Management within Mozilla India community. During his tenure at C-DAC, Mr. Dhutadmal has been instrumental in getting and executing various projects like Marathi Vishwakosh and others from state govt. He has participated in various National and International events like elitex, agis , "16th Annual LRC Internationalisation & Localisation Conference" in Limerick, Ireland and "Hindi World Conference" at

Johanesburg, South Africa.

LibreOffce in Asia

By Danishka Navin

Most of the Asian countries actively take part in upstream contribution of FOSS projects and also run local events to promote FOSS products and services. But the presence of LibreOffice in Asia is really low. How can we build stronger LibreOffice community in Asia?

Bio: Danishka Navin is a DevOps Specialist by profession and he is engaged in public speaking, community building/development and conducts awareness sessions on Free and Open Source Software. He is a member of The Document Foundation. Danishka is also an active participant of several FOSS projects including Fedora, LibreOffice and OLPC/Sugar. In 2009 he founded Hanthana Linux Project to promote an Open Source culture in Sri Lanka.

Translation process used in LibreOffce project

By Christian Lohmaier

This is a lighning-talk style short overview of the translation process used in LibreOffice project.

from source to pootle

what is master, the different projects

processing and merging back into the code → why devs should not commit to translations repo

what if you want to compile version with your own translations/most-up-to-date ones

Localization of Paraguay's indigenous language Guarani

By Giovanni Caligaris

The social and political impact LibreGuarani will have on the Paraguayan culture. Finally the distribution of LibreOffice.

Bio: I was born in Paraguay, and moved to the United States when I was 13. I lived in North America for 15 years and graduated in Business out of Toronto, Canada. I moved back to Paraguay last October and began my work on LibreGuarani and promoting open source culture in Paraguay.

Using phpList to distribute TDF/LibreOffce press releases

By Italo Vignoli

A tutorial about the new distribution system for press releases (and other announcements) based on a hosted phpList instance provided by the phpList project. How to create a "campaign" to distribute a press release, and how to manage mailing lists to further improve the distribution quality.

Bio: Italo is a founding member of the LibreOffice project, and a former BoD member. He has been involved in free software marketing and communications since 2004, is in charge of marketing and PR at The Document

Foundation since the early days, and oversees the certification program.

Marketing LibreOffce for NLPs

By Italo Vignoli

Marketing and advocating LibreOffice is a key endeavour for the project at large, and for native language projects in their geographies. The workshop will present a large number of strategies and tactics aimed at increasing LibreOffice awareness and reputation, and several low cost tools to deploy the tactics at local level.

How to support LibreOffce with publishing projects

By Sonia Montegiove

How to supporting the diffusion of digital culture and free software? How to introduce LibreOffice and its opportunities? In addition to the many training activities put in place, LibreItalia onlus triggered many editorial collaborations useful to present solutions, best practices of italian migration, news about software and community.

An important channel on free software, edited by several members of LibreItalia, was activated in recent weeks on Tech Economy, an information portal dedicated to managers, businnesmen and professionals who want to learn and understand the impact of technology in business development in small and medium-sized enterprises. Another interesting collaboration was actived with a vertical portal about school (very followed by teachers) where LibreItalia presents particular didactic proposals using LibreOffice. LibreItalia has prepared an ebook "Growing up on bread and free software" where the association intends to recount the experience in schools, and also make available the materials prepared for the realization of training courses in order to help schools choosing LibreOffice as referral program. The ebook will also be printed by a public financing during 2016 and distributed to some schools by a special series "The Notebooks of volunteering". Other ebooks will be published in 2016: security and LibreOffice, open format, LibreOffice's guide for children and LibreOffice's exercise book for ECDL exam preparation. LibreItalia's blog is the primary means of communication of the association projects, advice on the use of LibreOffice and publication of best practices of italian migration.

Bio: Sonia Montegiove is ICT specialist and trainer at Province od Perugia. She's contributor for many ICT magazine like Girl Geek Life and Tech Economy. She worked in the LibreUmbria projetc team and she is co-founder and president of LibreItalia.

The Symhelper adventure or a crowdfunding tale which really worked

By Maurizio Berti

Symhelper helps the creation of In-books (books in symbols) by the criteria of Augmentative Alternative Communication (AAC). The In-books have a particular importance for the youth with communication difficulties, because they are a fundamental tool to enrich their learning experience, their vocabulary and their understanding of what they are experiencing. Symhelper takes as input a PDF file with AAC symbols, draws the square outline around those symbols and places them on an ODF file, so that the parents can now focus on how to arrange symbols or inserting images to create books, instead of on the operation of outlining symbols performed manually until now. Symhelper was entirely crowdfunded and its version 1.0 was released last July

under the GPL license. Symhelper includes a python core script, a LibreOffice Basic extension, the ImageMagick and ghostscript utilities. The presentation will show how the idea was born, how the tool works on LibreOffice and the implementation details.

Bio: I was born in Cesena - Italy in the seventies and have a Degree in Microelectronic Engineering and Integrated Circuit Design, which I chose to keep my distance from software. It didn't work since I have been involved in Open Source Software and Desktop migration processes since 2000, focusing mainly on change management strategies for Open Source Office suites.

Certifcation reviews 4 professional trainers and migrators - win/win for community

By Lothar Becker

The talk will give a short introduction about the possibilities of certification of migrators and trainers and the prerequisites and the procedure to get the certification. It will summarize the Win/Win situation of such a certification status for the candidate as well as for the community. First experiences will be closing the talk with a short look in the future.

Bio: I'm active in the certification committee for migrators and trainers with conceptual work for the certification process and participated in the review sessions as a reviewer of certification candidates. In my bizz I'm doing professional services around LibreOffice like migrations and trainings.

LibreOffce Certifcation in Italy

By Italo Vignoli

A project wide marketing campaign to promote certification, and spread the word about support from certified professionals. The strategy and the tactics to improve the awareness of certification, and to increase the number of people who apply, get certified and help to grow the ecosystem by offering high added value services on top of LibreOffice

Migration, User experiance and Marketing

The future of ODF

By Jos van den Oever

Brainstorming ideas ODF is more than 10 years old. ODF 1.2 is widely used and ODF 1.3 is being specified at the moment. How can we improve ODF? I would like to hear ideas from developers and users of ODF.

Bio: Jos van den Oever is chair of the ODF Technical Committee. He has worked on many ODF projects in the past, notably Calligra, WebODF and ODFAutoTests. He is the liason for the Dutch government in the ODF TC. Jos is a long time member of the KDE community.

Enterprise ODF - Status Quo and Outlook

By Svante Schubert

This talk gives guidance on ODF enterprise features. How and why they should be used. In addition there will be an outlook of potential future optimizations.

Bio: Svante's focus is on Document Formats, especially on the OpenDocument Format. As submitter of the chosen ODF change-tracking proposal, he became the chair of the OASIS ODF Advanced Collaboration Subcommittee. Earlier he had been working for more than a decade for Sun Microsystems (later acquired by Oracle) in the field of standardization and browser based office development. After Oracle's decision to discontinue its investment in ODF, he decided to continue his work as a freelancer.

LibreOffce + ODF

By Andras Timar

LibreOffice + ODF Duration: 15 minutes Abstract: Overview of the work of OASIS Open Document Format for Office Applications (OpenDocument) Technical Committee and status report of inclusion of LibreOffice ODF extensions into the next version of ODF standard.

Bio: Andras Timar started to work on Hungarian localization of OpenOffice.org in 2002. He joined the LibreOffice project on the first day and started to work on localization related issues, including tools and infrastructure. He worked full time as a paid developer with the SUSE LibreOffice Team from April, 2011 to August, 2013, and he has been contracted by Collabora Ltd. since then. His LibreOffice related activities included coordination of localizations, release engineering, hacking on Windows installer, hacking on localization tools, general bugfixing, and mentoring students. He is voting member of OASIS ODF TC and deputy member of TDF Membership Committee.

The migration of Municipality of Bari

By Marina Latini

The talk introduces the in progress migration to LibreOffice of the Municipality of Bari, with an update about the actual state of art, the issues encountered, workaround and solutions adopted.

Bio: Marina Latini is an Italian community member of TDF that focuses her activities on migration from MS Office, localization and recently bug triage. She took some lessons for the LibreUmbria Project. She is a member of LibreItalia community and believes in the importance of using and promoting open standards and open formats. Actually she works in the LibreOffice division by Studio Storti Srl, working on migration, help-desk and bug triage.

Extending ODF-Fields for smart document processing

By Vasily Melenchuk and Thorsten Behrens

Generating documents out of templates -- be it for mass emails, personalized contracts or complex database-backed reports -- is a field were billions of documents are created each year, yet it is somewhat under-developed in ODF.

This talk will outline proposals for extending ODF towards supporting programmable text fields, capable of e.g layering and including templates, or dynamically generating bullet lists and tables.

Bio: Vasily is a seasoned Hacker at CIB Minsk, working on enterprise document processing software since ages. He's also a LibreOffice committer, focusing mostly on Writer filter features and printing. Thorsten is proudly working for CIB on LibreOffice, TDF Founder, Hacker, and OASIS ODF TC member. He works on the code since 2001, being computer scientist by education, and a Free Software enthusiast by heart, a geek from early childhood - and someone who was lucky enough to turn a hobby into an occupation.

How OpenSource changed the Danish library sector

By Niels Schmidt Petersen

In 2008 an idea came to life on a flight from Singapore to Denmark: to try to do something new and more sustainable about the IT infrastructure and the whole IT development in the Danish library sector. The idea came to be known as TING. TING was to become a community where common IT development in OpenSource would be possible across municipalities and regions in Denmark. As of today the TING community has created a CMS website that has become standard for almost all public libraries in Denmark. TING has made a huge impact on the Danish library sector as a whole and has made a difference in the way IT and OpenSource is been thought of in the sector. One collaborative project fostered from the community was a solution aimed at public library computers. The solution was based on an open source operating system with applications such as LibreOffice made available for library users. This new way of thinking collaboration and development in OpenSource has changed the sector and has made a case that OpenSource is possible in bigger scales across municipalities and regions in Denmark.

Bio: Niels Schmidt Petersen is Project Manager in Aarhus Municopality.

LibreOffce Migration "How To"

By Eliane Domingos de Sousa and Valdir Barbosa

Demonstrate step-by-step in a migration projects and what mistakes should be avoided.

Speakers: Valdir Barbosa and Eliane Domingos de Sousa, Eliane bio: Enterpreneur, partner at EDX Informatica and EDX Coworking, elected member of The Document Foundation Board of Directors, acting as Vice-Chairwoman, volunteer collaborator for LibreOffice, SL-RJ, Sempre Update communities, Contributor to iMaster blog, team leader for the National LibreOffice Meeting in Brazil, manager of Lecture Cycle of SIND-PD and advocate for free technologies as well as editor for LibreOffice Magazine Brazil.

Templates - Avoid the pitfalls

By Leif Lodahl

Working with templates sounds pretty straight forward if you read the manuals. But when it comes to the real world the story might turn a bit on the way to the final result. Leif has written about how to develop good and solid templates. But when you are done with the development you need to deploy the templates in a safe way. Learn from experience and avoid the pitfalls when deploying the templates.

Bio: Leif Lodahl has been contributing to the project in more than a decade as translator in Denmark and as advocate for open source and open standards. Since 2008 Leif has been the lead of the Danish localisation project.

Professionally Leif is working as project manager and consultant in Magenta in Copenhagen, Denmark, working with, among many other things, implementation of LibreOffice in public and private sector. Leif is both teaching professionals and end users as well as developing templates for business use.

Maintaining lightweight offce-based business applications

By Florian Haftmann

Particularly spreadsheets, are used pervasively to model and support business processes. This is promoted further by extensions and macros: office applications usually provide means to extend them programmatic. While this is fine at first, there are life cycle nightmares lurking ahead: self-baked macros provide hardly what you expect to maintain an economic life cycle, and there is a tendency to provide functionality for which office applications are not the platform of choice. When maintaining an office suite, new releases inevitably exhibit incompatibilities and deficiencies in pre-existing customer macros, and these need to be addressed. There are two radical answers: a) leave the business department with his own crap, risking that they will not accept your office service in the long run; b) take over maintenance of macros yourself. An economic strategy acts somewhere in between: try hard to minimise the number of macros in production, but maintain those actively for which no substitute is available. The talk gives an overview how the LiMux project in Munich had coped with that situation, and which tools we have developed to support maintenance.

Bio: Florian Haftmann works as IT system developer at the municipality administration of Munich (Bavaria / Germany) since 2011. On his journey through the vast fields of Open Source Systems in the city, Office macros once have stuck to his shoes and have continued to accompany him until today.

LibreOffce as a Business Process Linchpin

By Edward Zimmermann

LibreOffice is an incredibly powerful tool, with the potential to solve almost any business process and automation problem you will find in your SoHo setup. This talk will give you an overview of what is possible, liking LibreOffice to the swiss army knife nature historically reserved to the Unix shell tools.

Bio: Edward has been an early internet entrepeneur before it was cool, researcher and Free software hacker since many decades. He's been involved in areas ranging from search engines, networking technology, document processing and artificial intelligence, and currently works for CIB as an advisor.

Free Software in the Hungarian Government Offce

By Gábor Kelemen

The Hungarian Government Office is a recently created umbrella organization for territorial public administration, consisting of 15+ formerly independent administrative bodies and about 35000 employees. In a 2,5 year project of the Ministry of Public Administration and Justice aiming to modernize it's inherited IT infrastructure we provided them with new, centralized services and new PC hardware - partly with Linux as

desktop OS, including LibreOffice.

In this talk I'd like to summarize our field experience with a country level organization regarding free software deployment: technical and non-technical issues alike.

Bio: Free Software translator since 2004, now working to get free software adopted in the Hungarian public administration.

LibreOffce Migration Project "ULSS5"

By Enio Gemmo

The migration of ULSS5, a healthcare organization, from Office 2000 to LibreOffice, has involved over 1600 users. We have trained most of the users on Writer and Calc, and many on Impress and Draw. For the massive deployment, we are using OCS Inventory, a free software.

Bio: Enio Gemmo is a TDF Member and a Founding Member of Associazione LibreItalia, and is a Certified Migrator and Trainer. He is working as a support engineer at ULSS5, and has been involved in all migration and training activities since the start of the project.

How to successful migration to LibreOffce in non-technical organization

By Koutarou Watanabe and Shinji Enoki

Be Open, Share Everything!

JA Fukuoka City is a branch organization of Japan Agricultural Co-operatives, in Fukuoka City, located west end of Japan. Since 2011, JA Fukuoka City had have a half amount of PC clients than their employees, and most of all their employees had shared PC, not their own client. And they had have limited office suite licenses and few people could use them. In 2011, JA Fukuoka City has decided to provide PC clients for all employees. To do that, they have chosen LibreOffice as our primary office suite instead of limited used Microsoft Office, to reduce license fee. After running a pilot project, in December 2011, they have expanded number of PC clients around 400 (equivalent with their employees in each branches) from less than 200, and installed LibreOffice to every clients to allow all employees to use office suite. And, they has published their strategy of LibreOffice migration, and several manuals under the Creative Commons BY-NC license, to share knowledge with Japanese LibreOffice community. We will discuss about why we choose LibreOffice, how to migrate to LibreOffice, and why we have published "every" knowledge, with Japanese local status.

Bio: Koutarou Watanabe (JA Fukuoka City), Shinji Enoki (LibreOffice Japanese Team)

LibreOffce in the City of Munich

By Jan-Marek Glogowski

Our transition from OOo 3.2.1 to LO 4.1.6+ including WollMux

Document generation and management drives most of the work in the municipality of the city of Munich. Next to web applications / browsing (Firefox) and e-mail (Thunderbird), the office suite (Libre Office) is our most used software, most time in conjunction with our own document management extension (WollMux).

This talk focuses on our struggles when upgrading from our previous install base of OpenOffice 3.2.1 on Trinity Desktop AKA KDE3 to LibreOffice 4.1.6+ and KDE4.

Bio: Jan-Marek Glogowski is a long-term Limux wrangler at City of Munich, fullstack Linux expert.

Quo Vadis HelpContent?

By Olivier Hallot

Over the last 5 years LibreOffice developers focused on many tasks related to new features and code modernization and optimization. However, no software product, open or closed source, can create its own business ecosystem and market share without proper oficial and precise documentation. The HelpContent update and management has been left behind with almost no attention from the developers and the community.The aim of this presentation is to gather the audience around the issues and concerns of the HelpContent and leverage actions to put it in synch with LibreOffice and the community at large.

Bio: Olivier Hallot Founder and member of The Document Foundation Graduated Electronic Engineer in 1982, MSc in Digital Signal Processing in 1985 and MBA in Oil & Gas industry in 2001. Since 2002 and on his own, he participated actively in FLOSS projects notably in OpenOffice.org as Community Council member and as one of the translators for Brazilian Portuguese. He is now senior consultant in LibreOffice technology for large corporations on migration projects.

LibreOffce Design - last years achievements and ongoing work

By Jan Holesovsky

Come and hear what is going on in the Design team. The last year brought us many changes - new icon theme, rework of toolbars and menus, and many more. The talk will also explain how to get involved - whether you are a developer or not.

The LibreOffce Human Interface Guidelines

By Heiko Tietze

The work on usability and design is often seen as some kind of anarchistic creativity: some people receive divine inspiration out of the blue and read tea leaves to decide how features have to be implemented. But that's not true.

Both the creative work on visual design as well as the composition of an effective and efficient user interface is hard work based on axioms. Those fundamentals are "written in stone" by Human Interface Guidelines (HIG) with the objective to improve the experience for users by making application interfaces more consistent and hence more intuitive and learnable.

The talk will present the foundations of our work. That is the long-term vision ("simple for beginners and powerful for experts"), personas we defined to describe the core users of Libreoffice, and some kind of UX manifesto to prioritize UI principles. With these basics, one of the rather complex patterns will be discussed: the sidebar. The aim of the presentation is to illustrate how UX works and to promote the guidelines.

Bio: Heiko Tietze, Ph.D. Psychologist, usability expert Employed at User Prompt, a company focused on

usability for open source projects Member of The Document Foundation Contributor to the LibreOffice design team Part of the KDE visual design group

Challenges in implementation of LibreOffce and ODF on a By public Univ

By Valdir Barbosa

The migration to ODF within a public university is a challenge not only for the natural resistance of users, but indirectly for his work in the academic field related to scientific journals, research projects, completion of course work, relationship with a financing agency research, which are not engaged within the context of use of open standards. Some actions to overcome these challenges will be shown in this lecture.

Bio: Graduated in Technology and pos-graduated in Computers Networks. Working at Engineering University, UNESP - "Universidade Estadual Paulista", Campus Ilha Solteira, São Paulo - Brazil, since 1988. In 1999, started to use GNU/Linux on servers and personal desktop. In 2007, initiated the planning to work only with free software in UNESP. Organizer of Free Software Forum of UNESP, with the proposal to disseminate, promote and sensibilize the university community to work with free software and ODF standard. Trainer of LibreOffice and Ubuntu GNU/Linux in many units of UNESP. Member of Brazilian LibreOffice Community and TDF member. Collaborator of LibreOffice Magazine project and support volunteer at LibreOffice lists and askbot.

LibreItalia: growing up on bread and free software

By Sonia Montegiove and Osvaldo Gervasi

During the first year of its life, the non-profit organization LibreItalia carried out a lot of activities with primary and secondary schools, with the aim of supporting digital freedom, free software and the adoption of the open standard ODF and LibreOffice production suite in educational labs and classes. Workshop and free training courses have been organized for students and teachers, aimed at establishing a group of internal teachers, able to carry out autonomously educational courses on LibreOffice. The LibreItalia initiative named "*Growing up on bread and free software*" was published in the national catalog of skills and digital culture, established by Agid, and inspired a protocol among the Ministry of Education and LibreItalia, to be subscribed in the coming weeks, with the aim of have an institutional and prestigious partner that can support:

the development of digital culture in the school, with a focus on knowledge sharing, collaborative work, cooperative and e-leadership;

promoting the values of freedom and wise use of digital technologies through education, promotion and support of free software and open source;

the spread of free software and open source products dedicated to children with learning difficulties as a means of inclusion.

LibreItalia is also working with AICA producing free documents and videos useful for the preparation of the ECDL exams (Europen Driving Licence on using Internet and computers), based on open source software (LibreOffice,

Thunderbird, Mozilla Firefox, etc) and promoting this type of certification in schools by signing specific, long-

term agreements.

Bio: Sonia Montegiove is a programmer and teacher in educational programmes at the "Provincia di Perugia" and a popular freelance journalist and blogger on ICT themes. She is member of the coordination group of the LibreUmbria project. She is member of TDF. She is the LibreItalia President.

Osvaldo Gervasi is a Researcher at the University of Perugia. He teaches "Network Architectures" and "Virtual Reality Systems" at the "Corso di Laurea in Informatica" of Perugia University. He teaches "Operating Systems and Networks" at the "Laurea Magistrale In Informatica" of Perugia University. He is member of the coordination group of LibreUmbria project. He is a co-founder of LibreItalia. He is member of TDF.

Free as a Cloud

By Niall McCarthy

LibreOffice code is set be adopted by hosters, clouds and enterprises across the world. This will have considerable consequences, ranging from its impact on user experiences, to associated implications for ODF and even to measurable economic outcomes. The era of cloud freedom for businesses everywhere is about to begin.

Bio: Niall McCarthy is the Business Development Manager at Collabora Productivity. He is also a founder of Emerge Open, a not-for-profit which specialises in developing open source businesses, particularly those of a copyleft persuasion. Niall has accumulated significant commercial experience around projects such as SambaAD, OpenChange, MariaDB, Kubuntu and many others. When the computers and phones are turned off, he enjoys classical music, keeping fit and long walks in the countryside.

What will set LibreOffce technologies apart

By Sam Tuke

The market for web-based document editing is dominated by giants. What will set LibreOffice technologies apart from competing products offering zero up-front licensing cost and gratis hosting? Which market segments should we be targeting? And what will be the key measures of our success?

Bio: Sam brings leading Open Source technologies to new markets. He heads Collabora's marketing of productivity products and services, engaging customers in the corporate and public sectors. He's led successful marketing campaigns for groups such as GnuPG, Gimp (Gnu Image Manipulation Program), and the Free Software Foundation Europe, where he represented Open Source communities over five years of public advocacy.

Coming from a technical background, he engineered encryption in ownCloud, orchestrated phpList 4, and project managed application development for US and EU startups. In his free time, Sam writes articles for 'Linux Format' and 'Ubuntu User' Magazines, and serves as voluntary Marketer for community conferences.

Successful Story: Migrating Libreoffce to I-Lan County Government

By Franklin Weng

In this talk, I'll present two successful story about migrating Libreoffice to government unit and big enterprise

in Taiwan: I-Lan County Government (http://enwww.e-land.gov.tw/), and Coretronic (http://www.coretronic.com/en/company01.php). I'll introduce the background, how we do it, and their current status.

Bio: Coordinator of KDE zh-l10n team (2006-) - Member of KDE e.V. (2014~) Translator of LibreOffice. President of Board of Directors, Software Liberty Association Taiwan 2015. Developer of ezgo, a customized Linux distribution in Taiwan.

Development

Presentation of the current state of the Development Infrastructure of

By Norbert Thiebaud

Presentation of the current state of the Development Infrastructure of the project. which services we provide, how they articulates with each others, and some awesome numbers about it all. Review what works well, what works not so well and future plans...

Bio: Volunteer to the project, currently in charge of our git/gerrit/jenkins infrastructure

Easy Infrastructure

By Alexander Werner

As The Document Foundation uses SaltStack for configuration management, it is reasonably easy to hack on the infrastructure without touching the production hardware. This makes it easier for existing admins to offload certain tasks. Hands on setup of a local development environment and some easy hacks will be shown so you can easily get started. You can deploy the same services our infrastructure uses on your laptop without spending much of your time or a lot disk space and test the salt states you build on your own machine before sending a patch.

Bio: Alexander Werner is a long-term free software addict and with The Document Foundation since its beginning. He is responsible for the infrastructure of the project and loves hacking in python and centralized configuration management with salt.

Box Offce: The xdg-app sandboxing initiative

By Stephan Bergman

Box Office: The xdg-app sandboxing initiative aims at making it easier for developers to distribute applications, and at making it more predictable and more secure for users to run them. Fitting a behemoth like LibreOffice into that framework is a good exercise at challenging the framework and gaining insight into applications' needs. And at demonstrating that xdg-app isn't only about GNOME-y apps at all.

Bio: Software Developer at Red Had, Inc. From the original Hamburg StarOffice crowd, now a full-time LibreOffice guy at Red Hat.

Plone administration

By Andreas Mantke

We use in the LibreOffice project some Plone instances, e.g. LibreOffice extensions and templates website, OFDAuthors and the LibOConference websites 2012 and 2013. I could provide a workshop about the administration of Plone, if that is of any interest. That workshop would be intended for volunteers who want to help with the administration of the projects Plone websites.

Bio: Born in 1959, I'm working for a social insurance institution in Germany. Since autumn 2002 I support LibreOffice and it's antecessor. Currently I'm one of the members of the Board of Directors at The Document Foundation and working on admin task for LibreOffice and The Document Foundation, especially on Plone related tasks.

LibreOffce Development and Release Process

By Bjoern Michaelsen

This talk will show how the release train of LibreOffice works: What happens on the way to a major or minor release, when does it happen and why. It will discuss:

the way change is applied to LibreOffice

how we balance ease of contribution with safeguards against bugs and regressions

how this balance changes during the lifecycle of a release

Bio: Bjoern Michaelsen is a currently employed by Canoncial Ltd. and is responsible for the packaging for LibreOffice on Ubuntu. He joined the company and LibreOffice development in February 2011, coming from Oracle (and before that Sun), where he was working on the same codebase for a few years in the Writer/Framework area. Even since long before that he is an open source enthusiast and did start with minor contributions to a range of open source projects. He is currently serving on the board of the Document Foundation, the engineering steering committee and the certification committee for LibreOffice.

Upcoming PyUNO improvements in LibreOffce 5.1

By Matthew J. Francis

A brief overview of how and when to use the new, more modern Python syntax now in current LibreOffice master, which will be available from LibreOffice 5.1. Comparison of scripting LibreOffice in Python (using the new features) with the same tasks in BASIC, Java

Bio: Involvement with LibreOffice: QA / testing / PyUNO related development Company affiliation: N/A.

VCL re-work to LibreOffce 5.0

By Michael Meeks

Come hear about the work on the Visual Class Library (VCL) in the last year - the bottom of the cross-platform graphics system that LibreOffice is built on. See how we've re-factored the backends, improved the lifecycle mechanism (VclPtr), re-vamped our main-loop (the idle handler re-work) as well as many other long overdue

improvements. Also see what else needs doing and get stuck in to help out.

Bio: Michael is a Christian and enthusiastic believer in Free Software. He is the General Manager of Collabora Productivity, leading our LibreOffice team, supporting customers, consulting on development alongside an extremely talented team. He serves as a member of the board of The Document Foundation, and the LibreOffice Engineering Steering Committee; in the past he served on ECMA/TC45 improving Microsoft's description of the proprietary OOXML. Prior to this he was a Novell/SUSE Distinguished Engineer working on various pieces of Free Software infrastructure across the Linux desktop stackm and before that he worked on both hardware and software for real-time video editing at Quantel.

Rendercontext and double-buffering: Flicker-free UI in LibreOffce

By Jan Holesovsky

Come and hear how the LibreOffice's toolkit VCL was extended to provide UI without flickering - When you resize windows or eg. see the mouse-over effect in the startcenter. Many dots had to be connected together to result in much more natural behavior.

Bio: Jan / Kendy is with LibreOffice since the very first day, but his knowledge of our codebase goes back to 2003 when he joined OpenOffice.org. He started developing office software even earlier, in 1998-9 he programmed the drawing part of KTTV, a Linux word processor and vector drawing program for lecture notes. Over the years, he has contributed to many areas, including the KDE integration, x86-64 porting, build/SCM related problems, DOCX export, and user interface in general. Kendy proudly works for Collabora Productivity.

Creativity unlocked: making LibreOffce UI elements move

By Katarina Behrens

Code controlling user interface of LibreOffice is largely undocumented and adding a new toolbar button, menu entry, dialog or even an icon is pain, especially when you do it for the first time. This talk (or better, tutorial) attempts to close that gap and explain in detail how to add UI elements to LibreOffice and how to make them move and do stuff.

Bio: Katarina / Bubli started working on LibreOffice in 2010 as a member of SUSE LibreOffice team. She continued her involvement with the project as a volunteer even after she left that job, while being busy with working in computer security business and becoming a parent. Hired by CIB in 2015, she is happy to work on LibreOffice full-time again. She has a passion for all things UI and, as a member of LibreOffice design team, enjoys turning design ideas into code. In other life, she's foodie, out of mainstream movie enthusiast, xkcd comic strip lover and jokes collector.

LibreOffce Gtk3 Port

By Caolán McNamara

LibreOffice has long supported Gtk2, but support for Gtk3 was lacking. LibreOffice 5.0 finally supports Gtk3. This talk demonstrates the Gtk3 port, discusses its differences and similarities with the other platforms that LibreOffice targets, and why the gtk3 vclplug inherits from the headless vclplug.

Bio: Caolán McNamara is an all-around hero; he has been involved in reverse engineering and writing filters for Microsoft file formats from the very beginning of Free Software support for them. He has contributed extensively to LibreOffice fixing issues from graphics subsystems, through to the Writer core. After working for Sun's StarDivision, he now works for RedHat full time leading their LibreOffice team.

LibreOffce's Android port

By Miklos Vajna

LibreOffice's Android port improved a lot since last year, primarily thanks to TDF's donors, so basic editing features are now available. The talk will present previous (failed) prototypes, how LibreOfficeKit makes a difference here, and what did we do to Mozila's Fennec Java UI to make it suitable for LibreOffice's native Android editing interface. Come and see where we are, what still needs to be done, and how you can help.

Bio: Involved with OpenOffice.org since 2006 where I started as a packager for Frugalware Linux. Then I completed two Google Summer of Code projects to improve the RTF import/export filter of Writer. Hacking on LibreOffice Writer for Collabora.

LibreOffce On-Line server

By Tor Lillqvist

It is well known that the purpose of the Internet is a distribution channel for cat videos, but soon we will also have LibreOffice On-Line. This talk will describe implementation details of the LibreOffice On-Line server, loolwsd.

Bio: Tor Lillqvist has been involved in development of LibreOffice and its predecessor for close to ten years, and still is surprised every week by some part of the codebase. He lives in Helsinki, Finland, with family including a dog. He works as a contractor for Collabora Productivity.

LibreOffce as a ZeroInstall document editing solution

By Thorsten Behrens

Demo / BoF-Session: LibreOffice as a ZeroInstall document editing solution. Overview of existing and future solutions, and some hard questions on technology. Expect some deep dives into code, and possibly a demo.

Bio: Proudly working for CIB on LibreOffice, TDF Founder, Hacker, OASIS ODF TC member, working on the code since 2001. Thorsten was part of the OpenOffice.org project almost from the start, when he joined the then-Sun-Microsystems development team back in early 2001. He's a computer scientist by education, and a Free Software enthusiast by heart, a geek from early childhood - and someone who was lucky enough to turn a hobby into an occupation.

Hacking LibreOffce viewer for Android

By Christian Lohmaier

Hacking on the core LO code is intimidating, so the smaller-chunk projects are an easy way starting small and still being able to make a big difference in those projects. While the Impress Remotes are standalone projects,

and comparably easy to setup, building the LibreOffice viewer for Android still is a little more work (and doesn't offer the nice Android Studio integration yet). This talk will show how to get started in setting up a build environment for those projects.

requirements for Android

running in Android emulator (esp. emulating both a Android Wear as well as Android Smarphone)

LibreOffce Online - the client

By Mihai Varga

I will present how we repurposed Leaflet, an open-source javascript library for interactive maps, to allow the user to view and edit a document.

Bio: Mihai Varga is Software Engineer Consultant Intern at Collabora. He is from Romania, and is a student at the Polytechnic University of Bucharest in his 4th year.

Ace of base

By Lionel Elie Mamane

* bundles one, HSQLDB 1.8

- old, buggy, because Open/LibreOffice did NOT update to newer upstreams

- C++ <-> Java barrier slow to pass

---> contribution opportunity

- hacks to be done there

- to be replaced by Firebird

---> contribution opportunity

- some work done

- needs finishing

* DB access API layer: SDBC

- C++ version of JDBC

- drivers for

ADO (including on Microsoft Windows, access to Microsoft access files)

ODBC

JDBC (slow, including embedded HSQLDB)

---> contribution opportunity

- hacks to be done there

MariaDB / MySQL (no binaries by TDF; uses GPL MySQL Connector/C++)

---> contribution opportunity: write out MySQL Connector/C++

PostgreSQL

WiP: Firebird

- Data manipulation everywhere

- Data definition where reasonably possiible (not ODBC/JDBC/ADO)

* Not that much of API actually used internally...

DatabaseMetadata: getTables, getPrivileges, ...

RecordsetMetadata: getColumns, ...

RecordSet: getString, getInt, getLong, ...

move: next(), absolute(), ...

Writes mostly done by issuing SQL commands... No cursor use, no API use, ...

Data refresh done by query "WHERE primary_key = ..."

(no use of dynamic recordsets, etc)

Tension:

1) work with "simple databases" (we have to do the work)

2) for "good feature-rich DBMS", trust the driver, it knows better the idiosyncrasies

---> less bugs?

* Forms:

Writer documents in "Web mode" (not bound to a specific page size) and data-bound controls.

Writer also has that, but in Base, implicitly bound to the "current database connection". Cannot be bound to other connection!

---> contribution opportunity: add that possibility, IT ALREADY EXISTS IN WRITER in principle, just need to un-cripple the form relation (table, query) access abstraction

* Reports

result:

Writer document with tables or Calc document

---> overlap forbidden

---> hacks for overlap break with pagination

not much more than a writer / calc document with embedded placeholders that are repeated once per row / row group as much work as possible pushed to writer / calc

---> contribution opportunity: fix writer, add missing features

- OpenDocument tables not fully implemented

- ALL LAYOUT done by writer: cell / row sizes, what goes on what page, ...

- lousy "header stays with detail", "whole section stays together", ...

- no automatic sizing

- easy / in reporting system: automatic row height to biggest of all columns

- needs new feature from writer/calc: automatic row height based on biggest of a few columns

- group headers/footers sums/... not robust when multiple embedded grouping layers

General need:

* Microsoft Windows guy

- bundle MSDAC / Office 2010 data access components / ...

Interesting missing features in Impress

By Muthu Subramanian

Interesting missing features in Impress This talk is an attempt to highlight and discuss some interesting missing functionalities in Impress and the work that we are trying to do there.

a) Presentation Master Pages vs Layouts:

Layouts in simpler terms can be considered as child-master-pages. While

LibreOffice Impress doesn't support Layouts, there are few other competing

presentation tools which provide support for those. This talk would be more

like thoughts and discussions around the pros and cons of having such a

feature in LibreOffice

b) Fill Angles

c) Gradient colors for Text (not specific to Impress, though) and lines

Bio: Started my foss adventure as a Novell intern. And have been contributing to go-oo/libreoffice for more than 10yrs now - to the Calc (spreadsheet) and Impress presentation) modules. Currently working for Ericsson and mentoring a team of developers to contribute to LibreOffice and other open source projects.

LibreOffce Impress and Pebble smartwatch

By Gülşah Köse

Pebble smartwatch has been designed to work with the Android and IOS phone connected via Bluetooth. Pebble-remote application provides comunication between Pebble smartwatch and GNU/Linux operating systems. Pebble Remote is a free software that provides remote control for Libreoffice with Pebble. You can

change LibreOffice Impress slides and exit from presentation by using Pebble smartwatch. A short time ago Pebble Company released a new smartwatch which name is Pebble Time. Now pebble-remote application can run both of these smartwatches.

Bio: My name is Gülşah. I'm voluunter of free software. I'm senior at Onsekiz Mart University, Turkey. My department is computer engineering. This year I've written an application provides interaction between LibreOffice Impress and Pebble smartwatch. And this application was liked by LibreOffice developers and accepted in The Document Foundation repos. It's name is pebble-remote. I'm very happy to have established the first interaction between LibreOffice and wearable devices in the period in which the proliferation of wearable devices.

Vertical Writing: typical use-cases and current status in LibreOffce

By Naruhiko Ogasawara

Japanese language has two writing mode; horizontal writing (left to right: LTR) and vertical writing (top to bottom; TTB). Nowadays, we, Japanese use mainly horizontal writing mode in office documents, but we still need vertical writing in some situations, such as official letters, diplomas, magazines or novels. Thus, vertical writing mode is less usage but still important functionality for multilingual office suites such as LibreOffice, however, we have observed several defects about vertical writing in LibreOffice. I'll tell you the typical use-cases of vertical writing with examples, and discuss some issues how they should be fix, or what should be "right"specifications for each cases.

Bio: Naruhiko Ogasawara Naruhiko is a member of LibreOffice Japanese Team (Japanese Native Language Project). He have focused building LibreOffice community in Japan, clarify the UI/Help translation process, and growing new LibreOffice developers in Japan, includes himself.

New features in Calc and their implementation

By Eike Rathke

New features in Calc and their implementation, for the technically inclined..

Bio: A LibreOffice hacker since the early days at Star Division, later Sun Microsystems, one other company and now Red Hat, Inc. Main areas of expertise are the Calc spreadsheet core, formula compiler and interpreter, number formatter/scanner, the i18n framework and locale data. Ardent supporter of Free Software, knowledge spreader, cyclist and sailor.

Styles and Themes: Next level

By Tomaz Vajngerl

Styles and Themes: Next level Styles are a valuable part of LibreOffice but they are incomplete and for casual users somewhat hidden in the user interface. In the talk I will present the suggestions and the work that tries to fix this. Themes are the next big step. They were introduced in Microsoft Office 2007 as a way to compliment the styles and present new ways for the user to change the document in a (design) consistent way. I will present what themes exactly are, what needs to change to integrate them into LibreOffice, and show some initial support for themes in LibreOffice.

Bio: Tomaž Vajngerl is a software engineer from Maribor, Slovenia. He worked in insurance software field for 7 years and gained experience in information system, software design and XP methodologies. In 2012 he started working on LibreOffice as volunteer and later started working for Collabora Productivity as his full-time job.

Plug Yourself In: Learn how to write a Clang compiler plugin

By Stephan Bergman

Bring your computer.

LibreOffce: From extension to core

By Bjoern Michaelsen

This workshop will show one way of writing a LibreOffice extension -- and then goes deeper: It will explore what UNO-code inside LibreOffice itself an extension triggers, how to find it and how to move on from the UNO layer to the core of LibreOffice applications. This workshop should enable someone writing an extension and experiencing unexpected behaviour to debug into LibreOffice itself, and should provide some hints on how to move extensions into LibreOffice itself -- either as tests to prevent future regressions or to add new functionality to LibreOffice itself.

Quality assurance

The Courthouse and the Bizzarre

By Stephan Bergman

More news from the love/hate relationship between the LibreOffice code base and C++11 and beyond.

Effective bisection and bibisection

Matthew J. Francis

How to effectively find and triage bugs using the LibreOffice bibisect repositories - a brief introduction to theory, technique, best practice

How and when to bisect bugs manually when there's no applicable bibisect repository

State of automated testing

By Michael Stah

We will discuss the existing automated regression testing infrastructure in the LibreOffice project. This includes numerous different unit testing and integration testing frameworks that can be run simply with "make check", code coverage analysis, as well as other more resource intensive and not entirely automated tools.

Bio: Michael Stahl Joined the Sun Hamburg OpenOffice.org Writer team in 2007, and struggling with various parts of OOo since then; nowadays continuing the work of cleaning up messes in LibreOffice, employed by

Red Hat, Inc.

Regressions what, why and their extermination

By Michael Meeks

What is a regression ? how does it come about ? what do we already do to try to avoid them and why that is hard when changing the complex web of interlocking ssumptions that is LibreOffice. See how can you get involved with helping catch them before they 'escape'. Hear an overview of the next big initiatives to try to help reduce their prevelance. Come hear about the complex intersection between culture, contribution, quality, testing, open-source, and help to link together and understand some of the other talks on the vitally important work underway here.

Wrangling the Bugzilla Beast

By Robinson Tryon

How to contribute changes to our bugtracker LibreOffice uses the Bugzilla bugtracker to host all bugs filed against LibreOffice, the Impress Remotes, and various libraries of the Document Liberation Project. As with the code of LibreOffice, we welcome patches and improvements to our infrastructure. But tweaking our Bugzilla isn't as easy as cloning out a git repository. We've deployed Bugzilla with a custom configuration, database, and web server, and since the creation of LibreOffice have filled the backend database with over 13GB of bug reports, comments, and attachments. This talk will discuss the steps we've taken to make it easier for people to contribute to the TDF/LibreOffice Bugzilla codebase, and the hurdles and limitations we've had to face along the way.

Introduction in using the debugging tools on Window

By Christian Lohmaier

Introduction in using the debugging tools on Windows. This talk is meant to give interested QA and newcomers an introduction on how to use the debugger on windows, making use of the symbol server or even make use a own build. target audience: non-developers, people seeking to provide backtraces on windows and thus helping developers developers by pointing out the actual place in the code where stuff goes wrong.

Installing the tools (Windbg or Visual Studio)

Running (attaching to running process or launch from within debugger)

Using breakpoints, stepping through the code

Crash Testing and Coverity, the numbers

By Caolán McNamara

Two long-term high-effort systematic processes by which LibreOffice development tries to improve quality are a) regularly building our source with static detection tools such as coverity and custom clang plugins b) continually crash-testing by loading a document horde of 75000+ documents and resaving the office formats to multiple destination targets. Here we discuss those processes and present their trends and current status.

Unit Verifcation and Dimensional Analysis for error detection in LibreOf

By Andrzej Hunt

About the ongoing work on adding Unit Verification and Dimensional Analysis for error detection in LibreOffice Calc. This is a feature I've been working on during the course of the past year, and is also the topic of my Master's project.

The talk would discuss the ideas and motivations for doing this work (i.e. preventing clearly detectable errors in formulas in calc based on the physical units of input data), how units for data are extracted, the actual evaluation of formula correctness (and use of the udunits library for unit parsing), and finally the User Interface design and development. The talk would largely mirror the content of my university project's final report / thesis.

Bio: I'm a recently graduated Computer and Information Engineering student, and have been a LibreOffice contributor since the summer of 2012. Most of my contributions have been as part of multiple Google Summer of Code terms - the most significant of which is probably the Impress Remote Control - however I also try to contribute on more minor projects or bugs as time permits. I've also spent some fun time interning at Collabora, also working on various small LibreOffice issues.

Programmer-friendly XML in C++

By Jos van den Oever

Programmer-friendly XML in C++ To look at code to write XML in C++ codebases, is to travel back in time to the stone ages. The most important file formats in LibreOffice are defined in Relax NG schemas. Knowledge of these schemas can be used to create a programmer-frienly API for writing and accessing XML. In this talk, I will present Blasien. Blasien is a C++11 header library that makes C++ code that deals with XML look much nicer. On top of that, it does compile-time validation of most of the XML. Common errors like type errors in tag name strings, wrong nesting or forgetting of required attributes or elements are all caught at compile time. Blasien is an adapter that is used on top of the existing XML classes and is mostly optimized away at compile time.Blasien takes inspiration from XSLT, but adds strict type checking and native interaction with C++ structures.

GSoC

Individual descriptions of the GSoC presentations will be availabe at the conference.

Title	Student	Mentors
Improving Automated Error Checking	Benjamin Ni	Markus Mohrhard, Katarina Behrens
Rework the Expert Configuration dialog	freetank	Caolán McNamara
Haskell UNO Language Binding	Jorge Mendes	Michael Stahl, Stephan Bergmann
Cleanup internal drawing units in Calc	Krisztian Pinter	Jan Holesovsky, Markus Mohrhard
Reuse Mozilla's rolling update mechanism for LibreOffice	Nathan Yee	Jan Holesovsky, Jacobo Aragunde Pérez
Dynamic Text Chaining and Hyphenation in Draw	matteocam	Fridrich Strba, Thorsten Behrens
Integrate gtktiledviewer into GNOME-Documents	pranavk	Miklos Vajna, Michael Meeks
Review of the sidebar & its functionality	Rishabh Kumar	Katarina Behrens, Philipz
Improve user experience with CMIS	Szymon Klos	Jan Holesovsky, Cedric Bosdonnat
More and Better Tests	Varun Dhall	Michael Stahl, Bjoern Michaelsen

Conference Program

Sept. 22th.: Community day

On Tuesday September 22th. we have our anual community day starting at 13:00.

These meetings are not part of the official conference and there will not be catering available but the Cafè is open.

- General get-together in the lobby: Starting at 13:00.
- Native Language Project Workshop: Three to four hours starting at 13:00.
- Developers Meeting: Two hours starting at 13:00.

Sept. 23th.: Wednesday

	StoreSalNorth	StoreSal
08:30		Opening session
09:00		Opening session
09:30		Leif Lodahl, Thorsten Behrens Welcome session
10:00		Rabih Azad-Ahmad Councilman of Culture and Citizen Services
10:30		Italo Vignoli, Michael Meeks, Florian Effenberger State of the Project
11:00		Break
11:30		Keynote Bjoern Michaelsen, Canonical
12:00	Lunch Break	Lunch Break
13:00		Keynote Michael Meeks, Collabora
13:30		**StoreSalSouth**
14:00		
14:30	GSoC This year's successful Google Summer of Code students will present their project	Niall McCarthy "Free as a Cloud" - Marketing
15:00		
15:30		
16:00	Break	Break
16:30	Jan Holesovsky LibreOffice Design - last years achievements and ongoing work - UX	Andras Timar LibreOffice and ODF - ODF
17:00	Robinson Tryon Wrangling the Bugzilla Beast - QA	Svante Shubert Enterprise ODF - ODF
17:30	Michael Stahl State of automated testing - Development	Jos van den Oever The Future of ODF - ODF
18:00	Tor Lillqvist LibreOffice On-Line server - Development	Vasily Melenchuk and Thorsten Behrens Extending ODF-Fields for smart document processing - ODF
18:30	Bjoern Michaelsen LibreOffice Development and Release Process - Development	

Sept. 24th.: Thursday

	StoreSalNorth	StoreSalSouth	U2
08:30			
09:00	Stephan Bergman Plug Yourself In: Learn how to write a Clang compiler plugin - Development	Lothar Becker Certification reviews 4 professional trainers and migrators - win/win for candidates & community - Certification	
09:30	Olivier Hallot Quo Vadis HelpContent? - Development	Sam Tuke What will set LibreOffice technologies apart - Marketing	
10:00	Bjoern Michaelsen LibreOffice: From extension to core - Development	Eliane Domingos de Sousa, Valdir Barbosa LibreOffice Migration "How To" - Migration	
10:30	Break	Break	
11:00	Jan Holesovsky Rendercontext and double-buffering: Flicker-free UI in LibreOffice - Development	Niels Schmidt Petersen How OpenSource changed the Danish library sector - Migration	
11:30	Michael Meeks VCL re-work to LibreOffice 5.0 - Development	Florian Haftmann Maintaining lightweight office-based business applications Office applications - Migration	
12:00	Norbert Thiebaud Presentation of the current state of the Development Infrastructure of the project - Development	Gábor Kelemen Free Software in the Hungarian Government Office - Migration	
12:30	Lunch break	Lunch break	
13:30	Keynote, Ulrich Brandner, CIB (StoreSal)		
14:00	Stephan Bergman The Courthouse and the Bizzarre - Development	Franklin Weng Successful Story: Migrating Libreoffice to I-Lan County Government and Coretronic in Taiwan - Migration	Cor Nouws Marketing - Lightning Talks
14:30	Gulsah Kose LibreOffice Impress and Pebble smartwatch - Development	Goran Racik Getting ready for Migration - Migration	
15:00	Miklos Vajna LibreOffice's Android port -	Marina Latini The migration of Municipality of	Cor Nouws QA - Lightning

	StoreSalNorth	**StoreSalSouth**	**U2**
	Development	Bari - Migration	Talks
15:30	Thorsten Behrens LibreOffice as a ZeroInstall document editing solution - Development	Shinji Enoki Be Open, Share Everything - Migration	
16:00	Break - Group Photo	Break - Group Photo	Break - Group Photo
16:30	Naruhiko Ogasawara Vertical Writing: typical use-cases and current status in LibreOffice - Development	Sonia Montegiove, Osvaldo Gervasi LibreItalia: growing up on bread and free software - Migration	Andreas Mantke Plone administration - Development
17:00	Alexander Werner Easy Infrastructure - Development	Valdir Barbosa Challenges in implementation of LibreOffice and ODF on a public University - Migration	Jan Holesovsky Development - Lightning Talks
17:30	Matthew J. Francis Upcoming PyUNO improvements in LibreOffice 5.1 - Development		
18:00	Heiko Tietze The LibreOffice Human Interface Guidelines - UX	Jan-Marek Glogowski LibreOffice in the City of Munich - Migration	
18:30	Matthew J. Francis Effective bisection and bibisection - QA	Németh Laszlo Amazing hidden features of Writer - Community	

Sept. 25th.: Friday

	StoreSalNorth	StoreSalSouth	LilleSal
08:30			
09:00	Caolan McNamara Crash Testing and Coverity, the numbers - Development		Maurizio Berti The Symhelper adventure or a crowdfunding tale which really worked - Community
09:30	Michael Meeks Regressions what, why and their extermination - Development		Italo Vignoli LibreOffice Certification in Italy - Certification
10:00	Stephan Bergman Box Office: The xdg-app sandboxing initiative - Development		Christian Lohmaier Translation process used in LibreOffice project - Community
10:30	Break	Break	Break
11:00	Christian Lohmaier Introduction in using the debugging tools on Windows - QA		Italo Vignoli Marketing LibreOffice for NLPs - NLP
11:30	Tomaz Vajngerl Styles and Themes: Next level - Development	Jos van den Oever Programmer-friendly XML in C++ - Development	Ani Peter Zanata (zanata.org) - Community
12:00	Katarina Behrens How to add UI elements to LibreOffice - Development	Leif Lodahl Templates - Migration	Gabriele Ponzo, Andrea Castellani "One year of Associazione LibreItalia - NLP
13:00	Lunch break	Lunch break	Lunch break
13:30			
14:00	Muthu Subramanian Interesting missing features in Impress - Development		
14:30	Mihai Varga LibreOffice Online - the client - Development		Nguyen Vu Hung A case study on Vietnamese localization for LibreOffice: The past, current status and and how did we engage the community - NLP
15:00	Andrzej Hunt Unit Verification and	Elanjelian Venugopal, Arun Kumar	Giovanni Caligaris Focusing on the localization

	StoreSalNorth	StoreSalSouth	LilleSal
	Dimensional Analysis for error detection in LibreOffice Calc - Development	Localising LO to Tamil and its deployment in Malaysian Tamil-medium public schools - Community	of Paraguay's indigenous language Guarani - NLP, Community
15:30	Christian Lohmaier Hacking LibreOffice viewer for Android - Development	Edward Zimmermann LibreOffice as a Business Process Linchpin - Migration	Italo Vignoli Community Lobby: Yes, We Can (Influence) - Community
16:00	Break	Break	Break
16:30	Matthew J. Francis Cross-platform LibreOffice UI testing - Development	Enio Gemmo LibreOffice Migration Project "ULSS5" - Migration	Danishka Navin LibreOffice in Asia - NLP, Community
17:00	Eike Rathke New features in Calc and their implementation - Development	Andreas Mantke New extensions and templates repository - Community	Sonia Montegiove How to support LibreOffice with publishing projects - Community
17:30	Lionel Elie Mamane Ace of base - Development		Rajesh Ranjan, Chandrakant Dhutadmal LibreOffice Community in India - NLP, Community
18:00	Caolan McNamara LibreOffice Gtk3 Port - Development		Italo Vignoli Using phpList to distribute TDF/LibreOffice press releases - Community
18:30	Closing Session	Closing Session	

Social event

The conference organizers are currently working to arrange social events during the conference. These events will take place in the evening after the conference program ends.

Tuesday

We are looking forward to see you at the Community Dinner Tuesday September 22th. 2015 at 19:30. All registered participants in the conference are invited to the dinner. The dinner is on your own expense but we have a special offor from the restaurant.

The event will take place at Restaurant Flammen, Toldbodgade 6, 8000 Aarhus (See http://www.restaurant-flammen.dk/aarhus/). The restaurant is very close to the venue.

For fixed price 199 DKK we have access to the grill buffet with 15 kinds of meat and 50 varieties in the salad bar. We get a drink when we arrive and further beverages is at your own expense.

Wednesday

We are looking forward to see you at the Dinner Wednesday September 23th. 2015 at 19:30.

The event will take place at the restaurant Bone's, Åboulevarden 20
8000 Aarhus C (See http://www.bones.dk/default.aspx?id=40). The restaurant is very close to the venue.

All registered participants in the conference are invited to the dinner. The dinner (main course) is free for you but dessert and drinks are on your own expense.

For the main cource will be a large buffet with **beef**, **chicken** and **spareribs**. This is along with a huge unlimited **salad bar**.

Thursday

The hackers will join the Party for eating 19:30.

Hack-Fest

Thursday we are planning a hack fest together with a local group Open Space Aarhus (oosa.dk). Find more details about the hack fest here:

https://wiki.documentfoundation.org/Hackfest/Aarhus2015

Snacks and beverage will be organized.

Open Space Aarhus
Katrinebjergvej 105
8200 Aarhus N

University Party

We are looking forward to see you at the Party Thursday September 24th. 2015 at 18:00. Dinner will be served at 19:30.

From 18:30 - 19:30 the University of Aarhus is inviting us on a tour and demonstrations of some of their most noticeable experiments.

This event will take place at Aarhus University right next to Open Space Aarhus where the hack fest is taking place.

Aarhus University
Department of Computer Science
Åbogade 34
8200 Aarhus N

The hack fest and the Party will take place approximately five kilometers from the main venue.

Public transportation: Local busses run from the bus station very close to the venue. Detailed information about the journey will be provided at the conference.