Collabora & LibreOffice

Working together to make Open Source rock

By Michael Meeks

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COLLABORA

- ~150 staff, Cambridge & Montreal
- our parent company – 16 years old
- Leading Open Source Consultancy
- Parent company of:

Collabora Productivity

- Spun out of SUSE in 2013
- 35 staff
- 9 years old
- Focused fully on Office

Collabora Productivity

Collabora's mission:

Make Open Source ROCK

Shared mission / raison d'etre:

- Make Open Source rock

- This is the goal of our shareholders

What does that mean?

- We re-invest your support into FLOSS software, including LibreOffice, and into our partners

- All our code is open

- We do have to make money to re-invest

We are not for sale
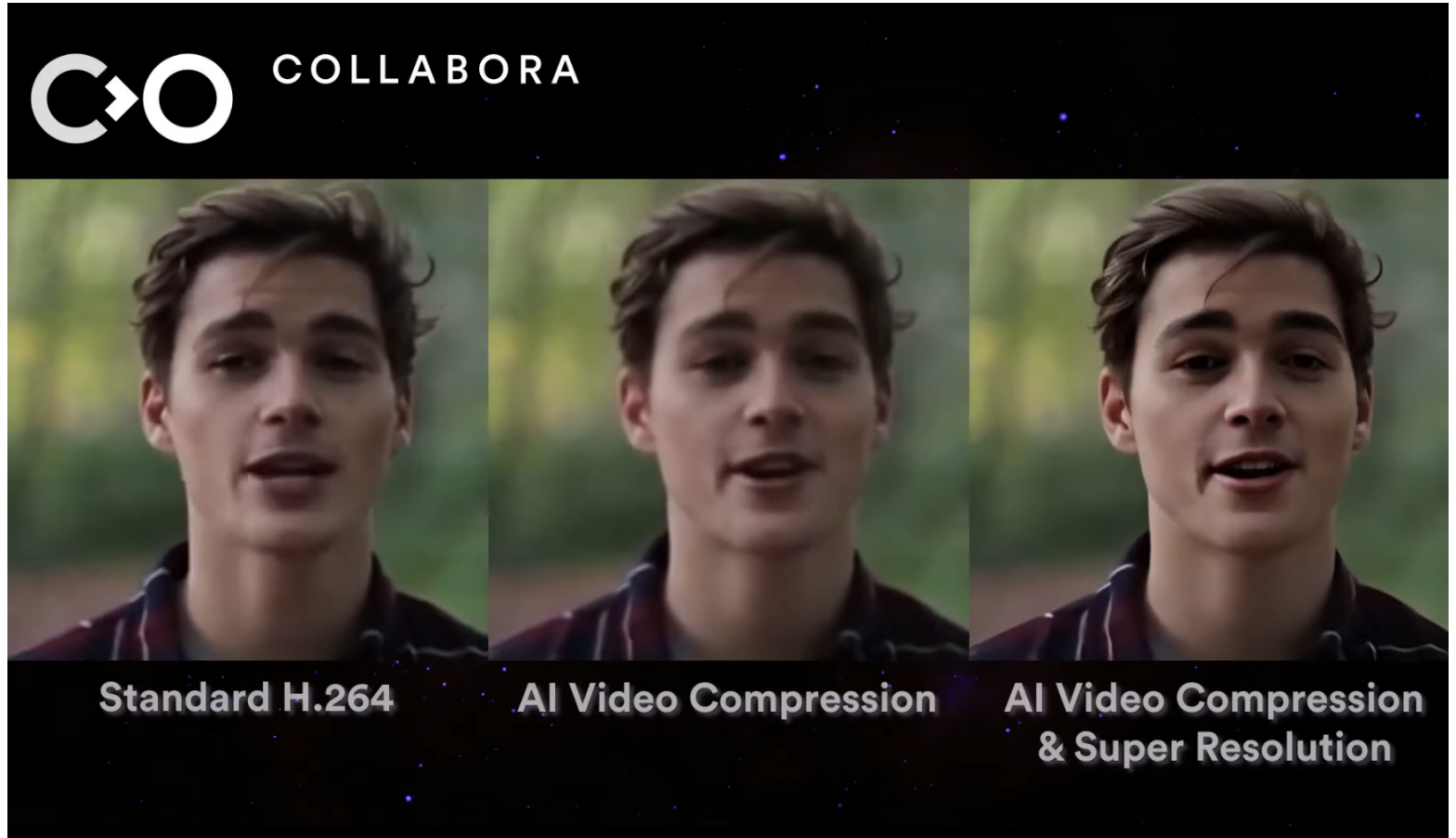
Semiconductor Automotive Digital Signage OEM

Examples:

APERTIS

BOSCH
Invented for life

eg. Open Source / AI compression

90% bandwidth redux.

Brings a picture of you to life.

Collabora's Productivity subsidiary ...

Our bit ...

What we sell:

Collabora Online

- Your Digital Sovereignty

  "Your own private Office in the cloud"

- Develop, support, maintain, sustain
  - Built on LibreOffice Technology
  - Highly scalable, interoperable, collaborative editing, in your browser
  - Service Level Agreement, L3 support
  - Product Management interaction
 - Go-to market via partners

Collabora Office

- Branded version of LibreOffice
  - Foundation for Online
  - Annual release eg. CO 2021.06
  - PC / Mac / Linux
  - Trustees have sales graph …

Collabora

- Consultancy & Support services
  - Bespoke consultancy or
  - Pre-paid, fixed-price L3 bug-packs

Partners, OEMs, hosters – to market

- FLOSS
  - Anyone can install a Docker image & claim to be an expert
  - It's cheap to do this badly, many save by not contributing

- Collabora Partners
  - Committed to integrating COOL
  - Committed to ensuring that users pay to support both the partner & up-stream development
  - We work hard to enable smart people to integrate Document freedom into their products & offerings
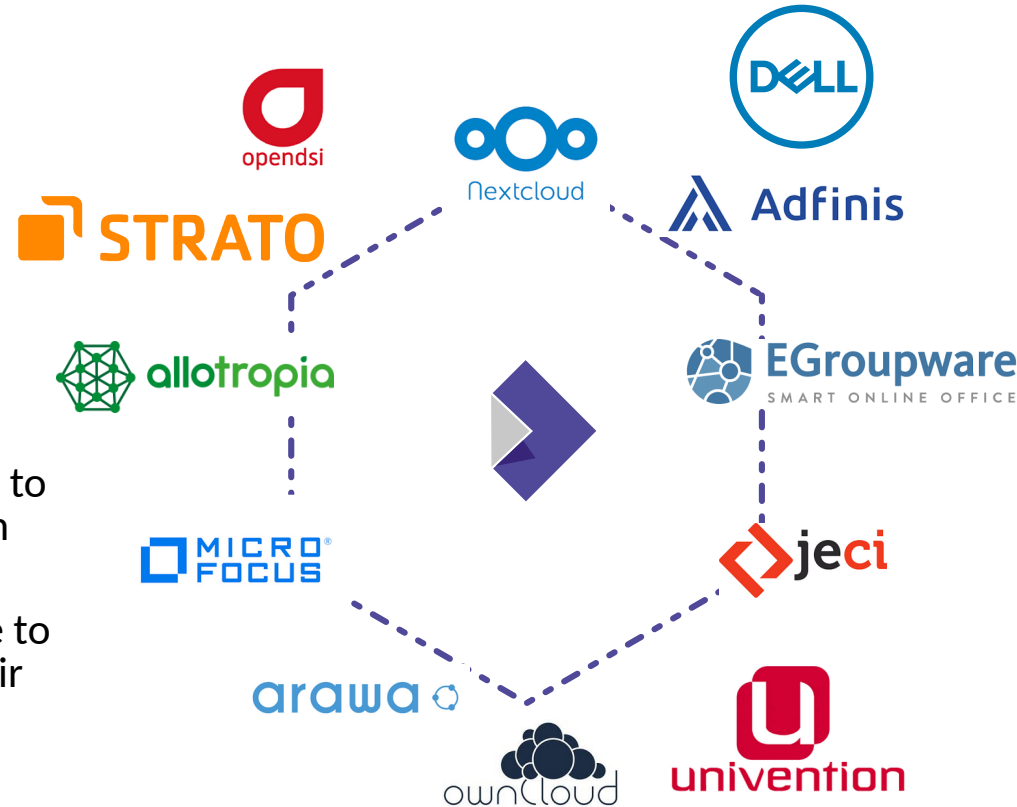
And many more 230 partners to choose from

Support in your language, near you

Integration and commercial support in

58 countries

- Contact me to become a partner
- Or checkout our Partner List if you're interested

LibreOffice Conference Milan, 2022

Collabora Productivity

CODE
Collabora Online Development Edition

Free, unsupported

Test It Now

- On-premise
- Rolling, unsupported
- For test/home users only (unstable)
- Price: Free

Education or NGO? Scroll down ⊙

Collabora for SMBs
Supported Version up-to 99 users

17€/user per year

Buy Now

- On-premise
- Up-to 99 users
- LTS
- SLA
- Signed Security Updates
- Maintenance – Fixes and improvements over lifetime
- Access to our Customer Portal (Documentation = Support)
- Price: 17€ or USD 18 per user/year

Collabora for Enterprises
Supported Version

Solution catered to your needs

Request Offer

- On-premise
- Volume discounts
- LTS
- SLA
- Signed Security Updates
- Maintenance – Fixes and improvements over lifetime
- Access to our Customer Portal (Documentation = Support)
- Roadmap: Product management interaction and input
- Complete support during integration process
- Customization
- Desktop Version
- Support for Mobile Devices
- Price: Personalized offer catered to your needs

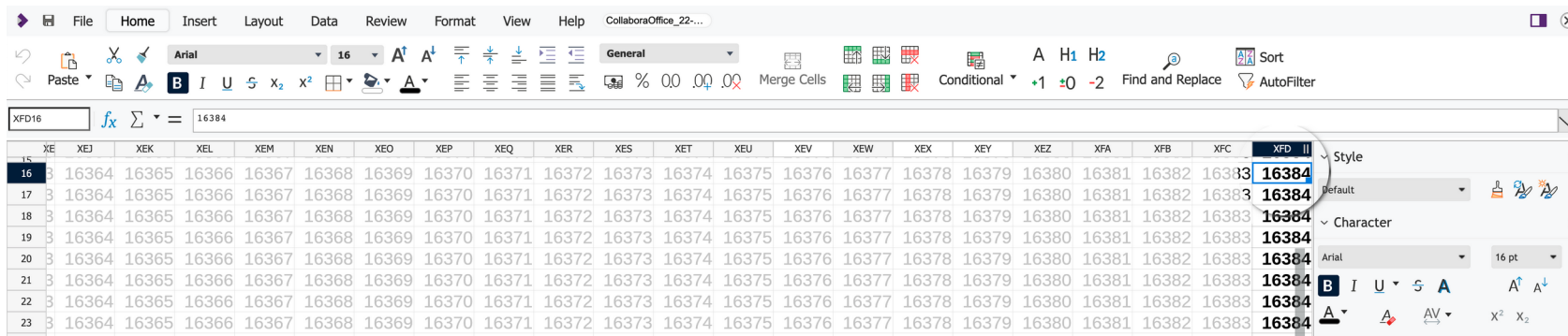https://www.collaboraoffice.com/subscriptions/

Improving the awesome LibreOffice Technology
that we all build on - a few examples

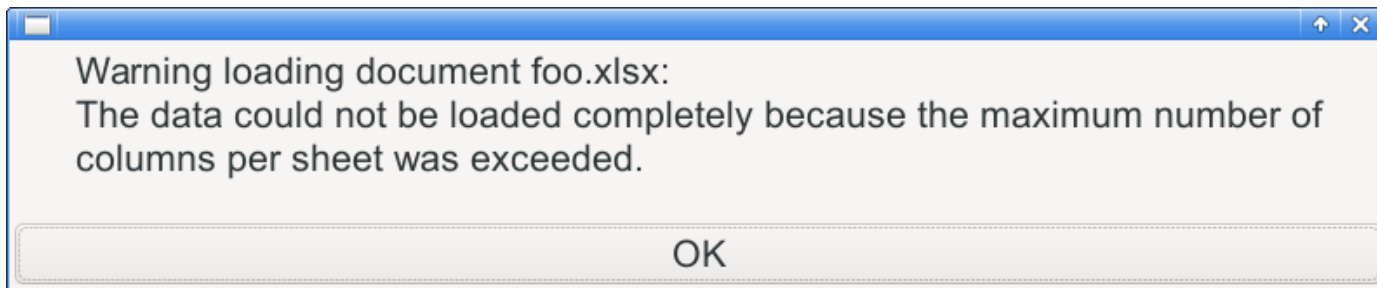*We are pleased to contribute to core as part of the LibreOffice developer community*

Collabora Productivity

Jumbo Spreadsheets

We now support up to 16384 columns in spreadsheets

Possibly the most annoying error dialog in the world now gone:

Warning loading document foo.xlsx:
The data could not be loaded completely because the maximum number of columns per sheet was exceeded.

OK

AI / Grammar Checking vs. a server

By LanguageTooler

Thanks to Adfinis for accelerating this work !

Daniel Naber's company:

- Focused on B2C & the web browser:

- LanguageTooler GmbH
  - Potsdam.

- Taking on Grammerly
- More info here

Sparklines Now Available for Calc

This feature was made possible by funding from NGI and the European Union's Horizon 2020 research and innovation programme under grant agreement No 871498.

WebP support for all types of documents

File   Home   Insert   Layout   References   Review   Format   Form   Draw   View   Help   CODE_22-05_Writer_WebPSu …

WebP

From Wikipedia, the free encyclopedia

WebP is an image file format developed by Google intended as a replacement for JPEG, PNG, and GIF file formats. WebP yields files that are smaller for the same quality, or of higher quality for the same size. It supports both lossy and lossless compression, as well as animation and alpha transparency. Google announced the WebP format in September 2010, and released the first version of its supporting library in April 2018.

History

WebP was first announced by Google on 30 September in 2010 as a new open format for lossy compressed true-color graphics on the web, producing files that were smaller than JPEG files for comparable image quality. It was based on technology that Google acquired with the purchase of On2 Technologies. As a derivative of the VP8 video format, it is a sister project to the WebM multimedia container format. WebP-related software is released under a BSD free software license.

An example WebP image

Filename extension:	.webp
Internet media type:	image/webp
Initial release:	September 2010
Open format?	Yes

Image

Color mode: Default
Brightness: 0 %
Contrast: 0 %
Transparency: 0 %

Area

Wrap
Wrap:
Spacing: None

Position and Size
Width: 1.82 "
Height: 1.21 "
Keep ratio
Rotation:
Flip:
Arrange:
Align:

Columns

Page 1 of 2   826 words, 5,316 characters   Insert   Standard selection   Edit   200%

Content Controls in Writer: Forms …

- Rich Text

- Checkbox

- Dropdown

- Picture

- Date

File   Home   Insert   Layout   References   Review   Format   Form   View   Help   CODE_22-05_Blank_forForms.odt

Aa
Rich Text   Checkbox   Dropdown   Picture   Date   Properties

List of Content Control Features in Collabora Online

☒ Content Controls in Collabora Online Writer
☐ Rich Text
☒ Checkbox

CONTENT CONTROL PROPE...   ✕

☐ Content is placeholder text

Help   Cancel   OK

Date Format:

12/31/99

12/31/1999

Dec 31, 99

Dec 31, 1999

31. Dec. 1999

December 31, 1999

Choose a date ⌄

‹		July 2022			›	
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Collabora
Productivity

PDF form creation ...

Class beating PDF form export: **Improved form / a11y support**
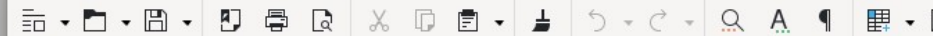
Merged for
LibreOffice 7.5

Impress color theme

A key interoperability win

Chart – data tables …

Merged for LibreOffice 7.5

DeepL built-in translation …

Why show contributions?

*clearly many contribute to LibreOffice,
volunteers do a amazing things*

Some differentiate from competitors with proprietary value adds

- *We want to encourage customers to select a supplier
  based on competence proven by contribution*

As TDF wrestles to work out who pays & for what..

- *helpful to remember how paying customers drive our mission*

The Document Foundation
thoughts / trends / asks

Collabora loves LibreOffice ...

"They are trying to destroy TDF !"

- Collabora helps TDF in many many ways → see later.

- Largest code contributor

- Reviewing & mentoring support.

"They contribute too much!"

- They might stop !

- No plans – please don't drive us away.

"They don't want in-house developers!"

- We do: as peers in the community

- Want them to be tasked by the board, managed by the ED / team, and helping to grow the community.

- And to be hired soon [!]

Beware of polarizing narratives

- Even after disagreements on detail:

- A shared goal of making TDF rock.

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TDF has lots of freedom:

$2 Goals of the Foundation

(2) - **training of** … **government agencies**, private organizations and the general public **about .. use... of the software**, in particular through seminar events, **workshops** … also by introducing the software to **children and adolescents** … e.g. vacation camps for the study of software

- One of the goals we leave to our ecosystem of excellent, certified trainers.

- LibreLogo – but kids camps skipped.

Unfair: **"TDF has to do XYZ !"**

Fair **"I think it is important TDF does XYZ"**

- we are **not required** to pursue any one particular goal as of now: where is the "Have to" ?

$2.4 The foundation **does not have to pursue** all goals **simultaneously** or to the same extent. The **Board of Directors decides** which goals have priority at any given time.

$3. (1) The foundation pursues **exclusively non-profit goals** as specified in the paragraph "Tax-deductible purposes" of the tax code.

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The Document Foundation

The Document Foundation

LibreOffice is created here …

Community of Contributors curated by MC

"*we **encourage corporate participation**, e.g. by sponsoring individuals to **work as equals** alongside other contributors in the community*"

ESC

Elected Board

Elected MC

Excluding individuals who contribute hugely from their role in the community is horrible.

TDF / Staff

ED

Collabora Productivity

28
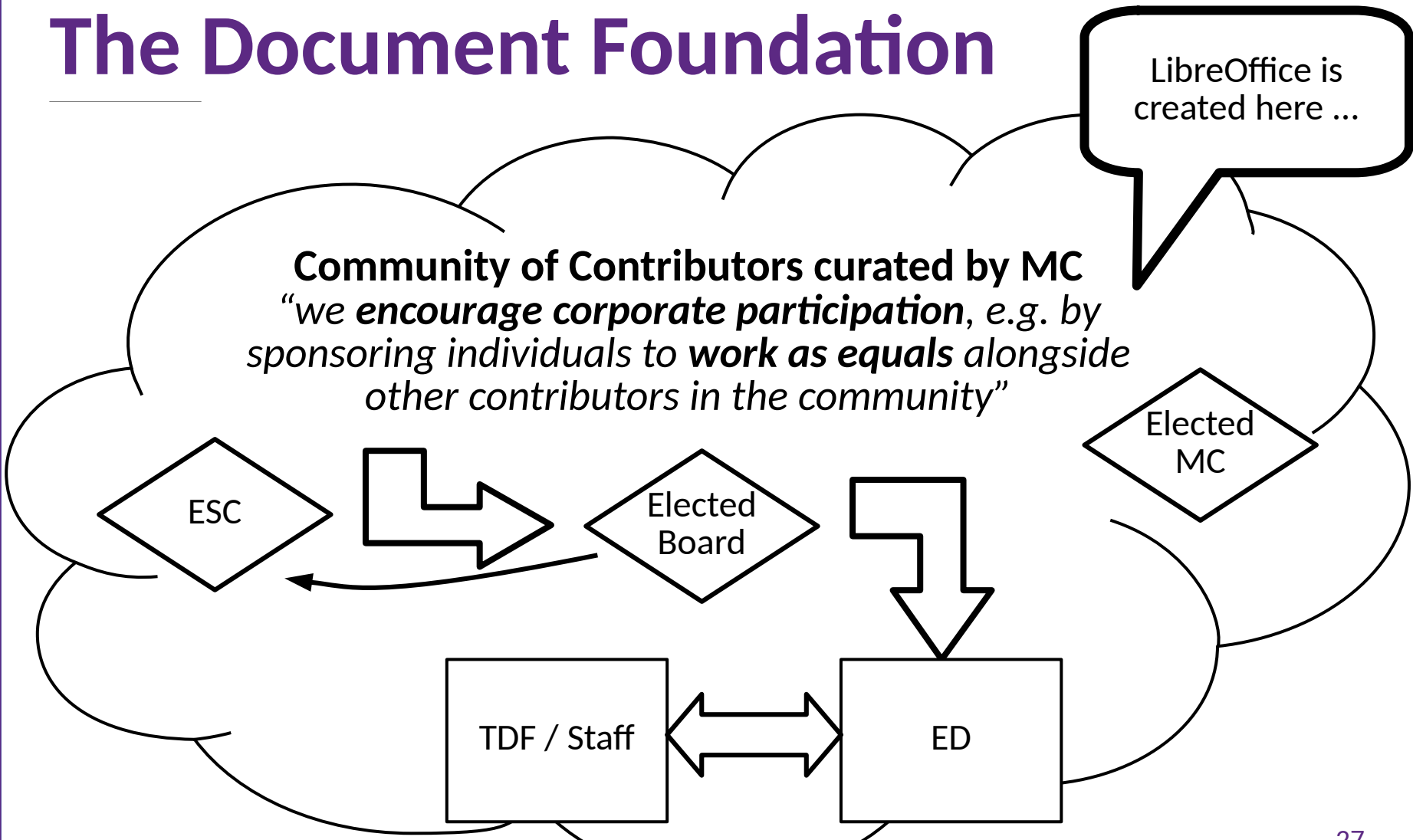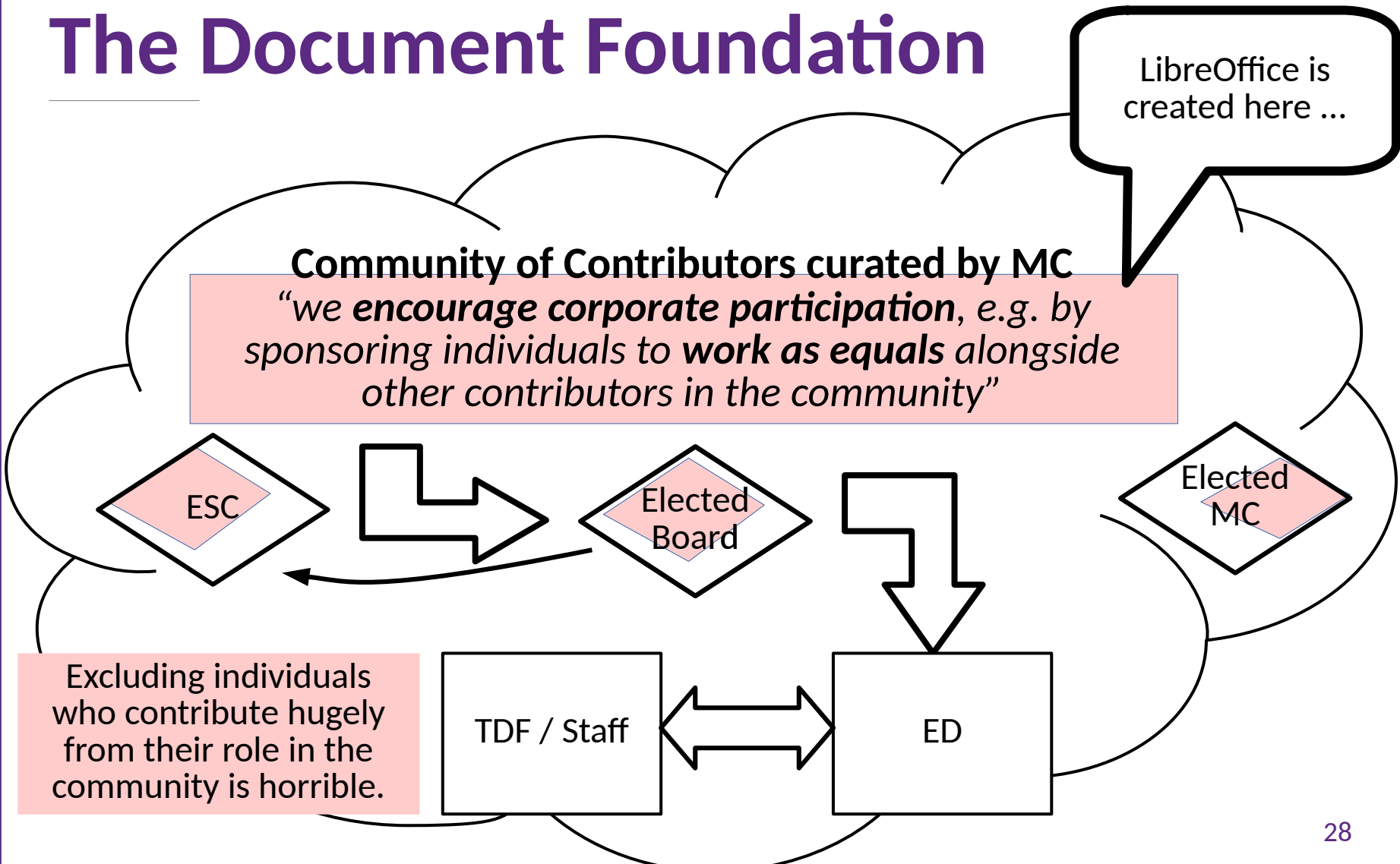
Balancing Interests – alternatives:

Perhaps: Everything must serve TDF's goals?

- The community serves TDF

- TDF should direct them top-down.

All Participants have interests

- eg. AMD's interests & goals overlapped with TDF's for a time.

Or: TDF serves the community ?

- A privilege to be paid to work on achieve its FLOSS goals.

- Direction should be an average of all contributors' bigger goals.

Better - TDF should serve its mission

- Wisely collaborate with others

- *"Cooperation … and coordination with other organizations that pursue, at least **partially**, the same non-profit goals;"*

Collabora
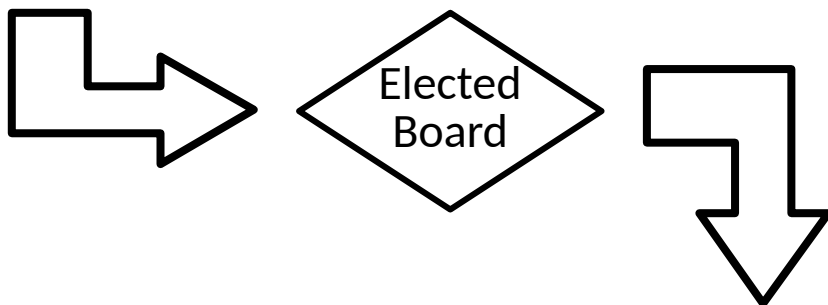Productivity

Transparency ...

Last board:

- Substantial steps in transparency

- Policy discussions are not obvious

- Require lots of **background**

- Sometimes acrimonious

- Require compromise.

"Laws are like sausages, it is better not to see them being made"

- Otto von Bismarck

We elect the board to do this job for us.

- Selectively publishing misleading accounts of what is going on sucks.

Executive transparency:

- Private / closed staff meetings & lists

- No board presence / oversight.

- Avoid micro-mgmt, protect from BoD

Elected Board

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Meritocracy ... doers-decide ...

Membership criteria != Meritocracy

- Non-profits have membership criteria.

Comes easily to developers

- Many opinions on a code-change.

- A decade of experience in this code area should be weighed very heavily.

- To not hear that fairly would be disrespectful.

Basic common sense:

- Discuss things with the right interested.

ESC:

Perhaps the most peaceful place

Focused on: JDI ...

Realize people don't have to be there:

Be useful & fun – not trying to force people to do things.

Collabora Productivity

Collabora Online

LibreOffice Technology applied to in-browser collaboration

Some of last year's improvements

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Crediting LibreOffice Technology

- Help → About

- CSP work for TDF ...

- Nextcloud Office – new in the last year.

Nextcloud Office

COOLWSD version:
22.05.6.3 (git hash: abd9205)

LOKit version:
Collabora Office 22.05.6.3 (git hash: 4fad249)
Served by: Ubuntu 18.04.6 LTS 42645f11

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LibreOffice Technology

Collabora

COOLWSD version:
22.05.0.1 (git hash: b1f3c4l

LOKit version:
built on a great technology
Collabora Office 22.05.4.1 (
Served by: openSUSE Leap
JSDialogs:View widgets

Copyright © 2022, Collabor

LibreOffice Technology

Community Credits

Collabora Online & LibreOffice Technology

Collabora Online is built on the amazing LibreOffice Technology stack,
and many of our community are active contributors to LibreOffice – having created the LibreOfficeKit APIs to enable people to easily re-use the core document editing and rendering technology. Please do read more about LibreOffice Technology
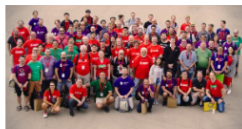
LibreOffice Technology

you can also get a list of credits and contributors to LibreOffice here:

LibreOffice Developers

LibreOffice Technology

The people behind the scenes

LibreOffice is created by a very large group of amazing contributors:

Localization: Contributors

Many thanks to all those who have worked on translating Collabora Online, you rock!

See all the contributors

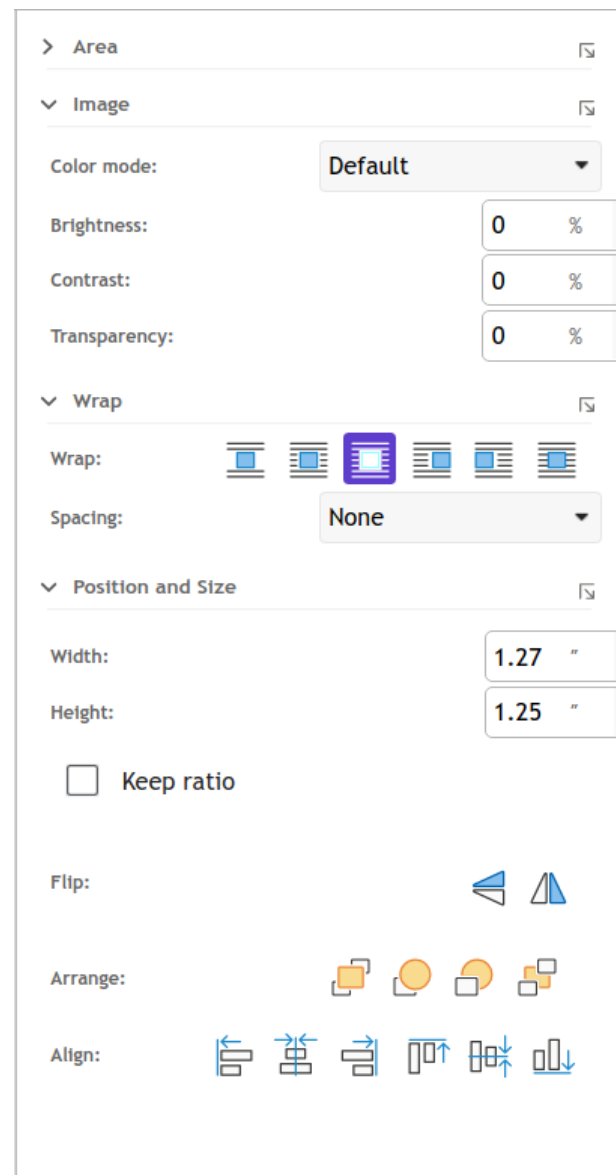**Many thanks to all those who have worked on translating LibreOffice!**

See all the contributors

UX: JS sidebar ...

Javascript widgets rendering in the browser

- Much easier to theme

- Crisp text, editing

- Quicker to update

- Now used for lots of dialogs ...

Collabora Productivity

Precisely anchor & reflow your boat (and other) images

New HTML Formula Input Bar
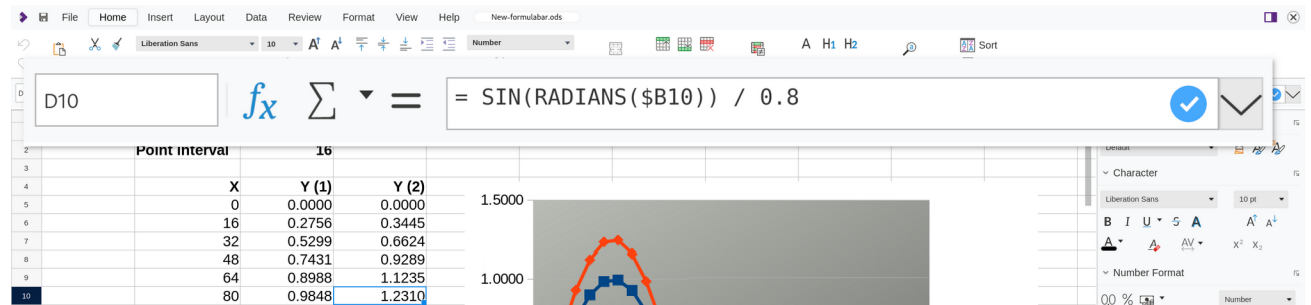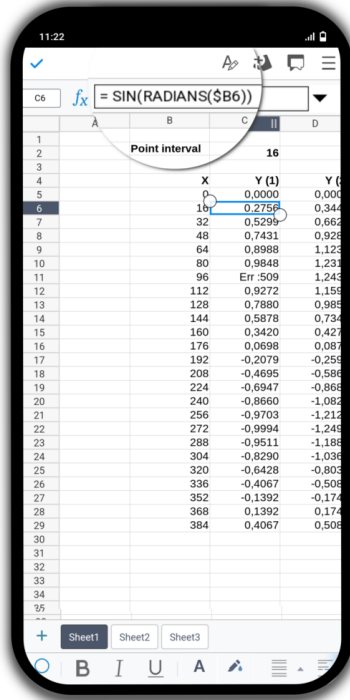
Accessibility Check

Accessibility Check Helps to create documents according to the PDF/UA Standard
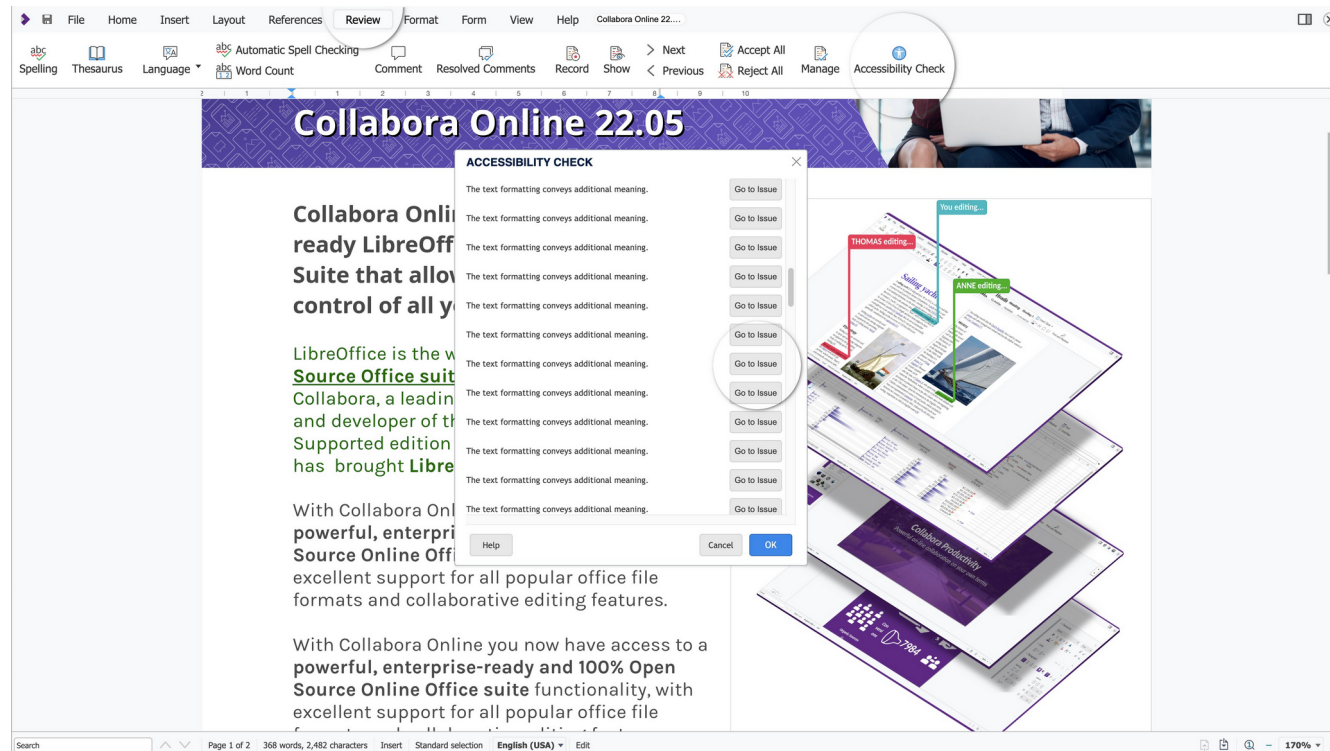
Richer dialog functionality left & right

eg. SparkLine properties   **or File Properties**

SPARKLINE PROPERTIES   ✕

Properties   **Colors**

Type: Column ▼   Series: ▦ #5C2983 ▼

Line width: 0.75   ☐ Negative points: ▦ #800000 ▼

Display empty cells as: Zero ▼   ☑ High points: ▦ Dark Lime 1 ▼

☐ Display hidden   ☐ Low points: ▦ #800000 ▼

☐ Right-to-left   ☐ Marker: ▦ #800000 ▼

                                       ☐ First point: ▦ #800000 ▼

                                       ☐ Last point: ▦ #800000 ▼

Axes

☐ Display X axis

Vertical minimum: Individual ▼   0 ▲▼

Vertical maximum: Individual ▼   0 ▲▼

Help   Close   OK

PROPERTIES OF "CV"   ✕

General   Description   Font   Statistics

                    📄   CV.odt   Change Password

Type: OpenDocument Text

Location: CV.odt

Size: 25 KB (25,491 Bytes)

Created: 01/09/2021, 14:28:14

Modified: 01/09/2021, 20:52:35

Template:

Digitally signed:

Last printed:

Total editing time: 00:18:12

Revision number: 9

        ☑ Apply user data   Reset Properties

        ☑ Save preview image with this document

        ☐ Image preferred DPI   _____ ▼

Help   Reset   Cancel   OK

Faster rotation of bitmaps graphics

Performance & bandwidth wins

Bandwidth wins and improved performance with tile deltas

- Like a video codec → time based optimization

- up to a 75% bandwidth saving

- Saves CPU Time ~10%

More CPU: (5x over zlib)

- zstd compression library coming soon.

- An indirect FaceBook contribution to Online.

Collabora
Productivity
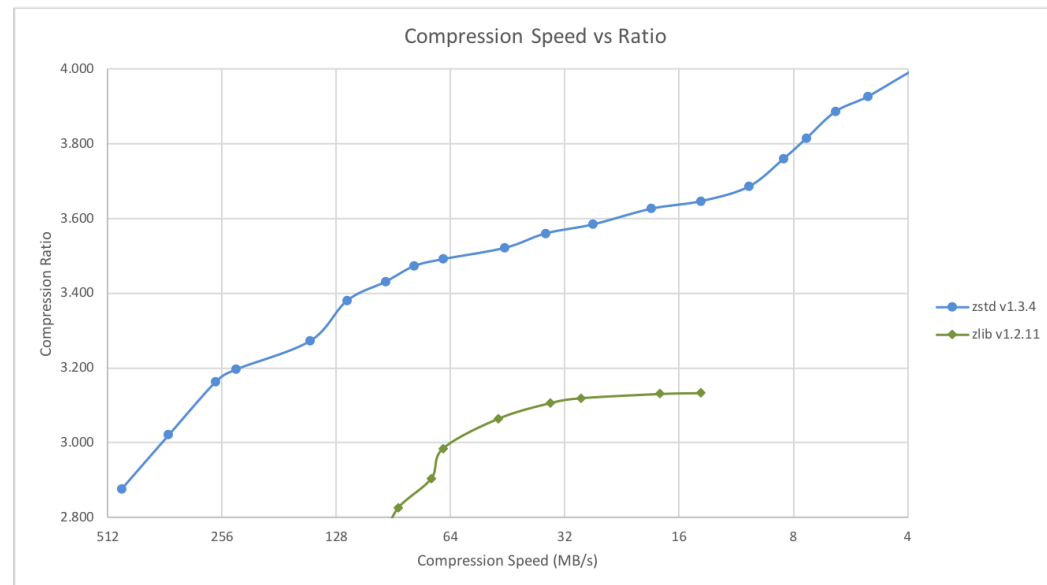
Other pieces in the last year

Hugely improved UX / LAF

- Vital polish everywhere:
    - CSS styles, mobile fixes
    - Improved look of widgets
    - Icon updates, Tabbed View
    - Dark mode pieces
    - Dialogs – to JSDialogs
- **Thanks to** - Andreas Kainz, Rizal Muttaqin, Christopher Gladman, hanswang123456 & others.
  Nextcloud: Julius Härtl, Raul Fuentes, Jan C. Borchardt, Nimisha Vijay, Luka Trovic

2700 commits: hard to summarize

Stress testing

Kubernetes / improved Helm charts

More prometheus metrics

- Doc cleanup bits (Gabriel 1&1)
- All document dumping

SDK improvements & extension

Collabora
Productivity

Non-Collaboran commits – thank you!

Andreas Kainz, Yaron Shahrabani, Matthaiks, Ihor Hordiichuk, Martin Srebotnjak, Adolfo Jayme Barrientos, Julius Härtl (Nextcloud), Nathan, Sveinn í Felli, Rob Pearson, Stanislav Horáček, SC, Ayhan Yalçınsoy, Gleb Popov, Abdelsattar Tantawy, Sebastiaan Veld, Rizal Muttaqin, Oğuz Ersen, J. Lavoie, Abdelmaksoud Zakaria, Alexandru Vlăduțu (1&1), Leif-Jöran Olsson (Friprogramvarusyndikatet), Eric, Luka Trovic, Hugo Peixoto, bruh, Rajasekaran Karunanithi, Kristopher Maxwell, FW, Егор Ермаков, Oğuz Ersen, Milo Ivir, Luna Jernberg, Lars Kirschmann, Gabriel Masei (1&1), Bayram Çiçek, Alexander Gabilondo, Егор Ермаков, ssantos, Simon T, Sargon-Isa, Quentin Pagès, phlostically, Petri Heinämäki, Pavel Borecki, Omar Macías Molina, nzgha, Miloš Šrámek, Joan Montané, Gontzal Manuel Pujana Onaindia, genofire, Diggaj Upadhyay, ButterflyOfFire, Максим Белозеров, Tobia Conforto, Thomas Citharel, Theo, stellarpower, Sam Litvin, Rudi Endresen, Riyadh Talal, Reza Almanda, Mikhail Pershin, Mathieu B, Linda 'linigrhf' Ayasing, Joan Montané, Jason Clermont, HerMin, George Kitsoukakis, Erik Habicht, Eric, Emmy Denison, Dekota Nelson, atilluF, Artem, Andika Triwidada, Allan Nordhøy, ahmad assad, AbsurdUsername (sgso), abidin toumi - *sorted by commit count.*

COOL days ... Partner & community event: Berlin

3rd October:
 team building.

4th October:
 Business day + Hackfest
 at Nextcloud conf.

5th October:
COOL Technical talks
& conference.

COOL days

Berlin
3rd 4th 5th October 2022

Collabora
Productivity

Nine years of
Collabora Productivity

Open Source,
Open First

Commits by Affiliation – last year

Legend:
- Collabora
- RedHat
- Unknown
- TDF
- allotropia
- (Unknown)
- Munich
- NISZ
- SIL
- Assigned
- CIB
- Apache Volunteer
- Hypra
- Canonical
- 1and1

TDF contracted Collabora for

<2% *of our revenue so far this year*
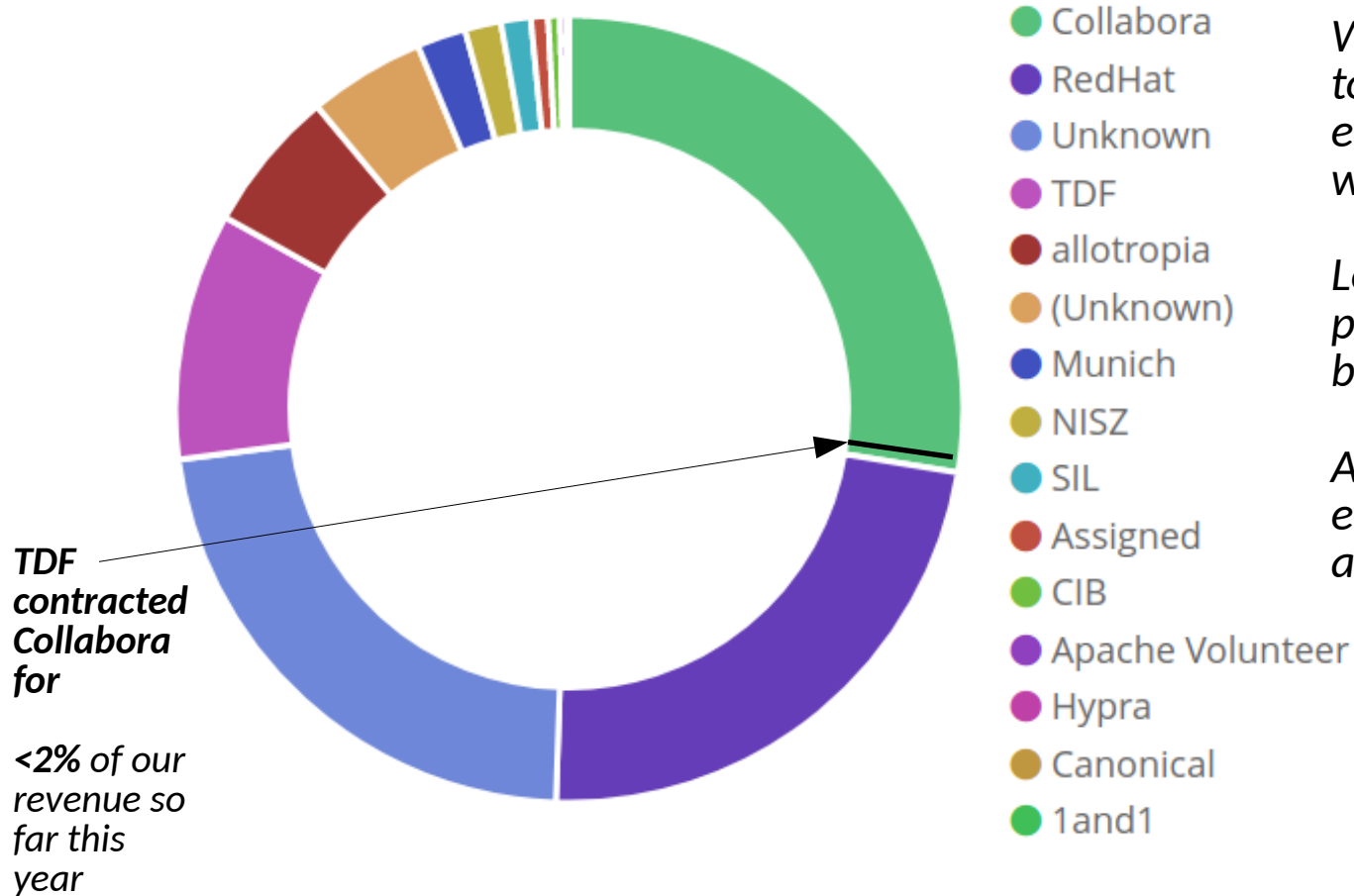
We need to continue to improve our ecosystem diversity-wise,

Lets ensure that people can build businesses around it

Also celebrate, encourage & credit all contributors

LibreOffice Conference Milan, 2022

Collabora Productivity

Other ways we serve you & contribute …

- Governance
  - 2x Board members
  - ~1 Membership Committee
  - Serve on the ESC
- funding time
  - 100% of mentored GSOC projects
    - 2 mentees this year for 2 projects.
    - newbie mentoring & review
  - Patch review of gerrit commits
  - conference content

- Funding with cash
  - Conference Sponsorship
  - cash from Apple App-store sales ~Eur thousands in last year
- Paying for things TDF cannot
  - eg. buying community meals at conferences (in normal years)
- Every day we tell people about LibreOffice Technology

Collabora Productivity

Thanks to our team(s)
*who have worked **so** hard:*

Code Committers - last 12 months (35)

– Noel Grandin, **Miklos Vajna,** Luboš Luňák, Mike Kaganski, Ashod Nakashian, Pedro Pinto Silva, Szymon Kłos, **Andras Timar,** Henry Castro, Tomaž Vajngerl, Michael Meeks, Dennis Francis, Rashesh Padia, Mert Tümer, Tor Lillqvist, Pranam Lashkari, Aron Budea, Gökay Şatır, **Jan Holesovsky,** Yunusemre Şentürk, Sarper Akdemir, Gülşah Köse, Nick Wingate, Marco Cecchetti, Marc Rodrigues, Justin Luth, **Eloy Crespo**, Ezinne Nnamani, William Gathoye, Skyler Grey, Rashesh Padia, Elisa de Castro Guerra, Christopher Gladman, Abigail Lowrey, George Wood

Management / Marketing / Support

– Eloy Crespo, Cor Nouws **→ Sales**

– Naomi Obbard, Simon Lofthouse, Marc Rodriguez, Elisa de Castro Guerra **→ Marketing**

– Tracie Fabb, Julie Wilder, Hannah++... **→ Biz support**

– Philippe Kalaf **→ applied experience**

• In bold (left)

– managed to manage a team as well (!)

• Please do encourage them.

We are hiring …

- Productivity:
  - Sysadmin / devops
  - Project Management
  - Development / engineering.
  - Inside Sales / support
- Collabora many more:

https://www.collabora.com/careers.html

Open Source all day, every day

Talk to me if you're interested

Work from anywhere roles

Collabora
Productivity

(some of) the awesome
team serving you.

Sorry we can't be with you this year

Conclusions

- **Collabora loves LibreOffice**
    - Our FOSS mission applied:
    - Making LibreOffice Technology rock.
    - Liberating people's Documents
- Paid for by our *Customers & Partners*
    - can't do anything without them,
    - **They get to tell us what to do**

- Done by our staff
    - Alongside the **community**
    - **Thank you! for your work.**
- **Branding** is one of our only assets:
    - Real world: leads → sales → code
    - Leads (& credit) funds the fun.
- **A pleasure** to be able to sponsor the LibreOffice conference.

Oh, that my words were recorded, that they were written on a scroll, that they were inscribed with an iron tool on lead, or engraved in rock for ever! I know that my Redeemer lives, and that in the end he will stand upon the earth. And though this body has been destroyed yet in my flesh I will see God, I myself will see him, with my own eyes - I and not another. How my heart yearns within me. - Job 19: 23-27