

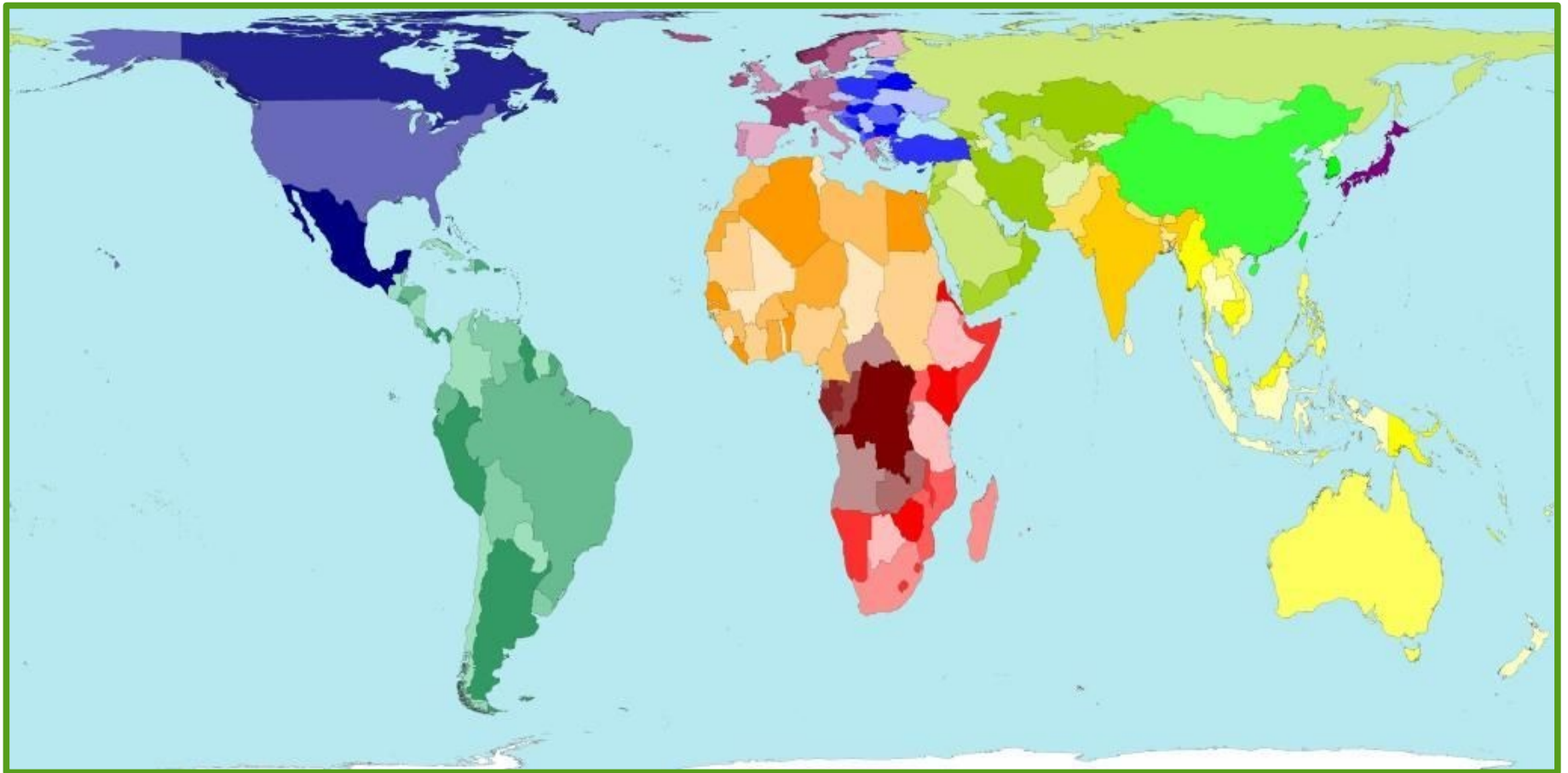


# **LibreOffice**

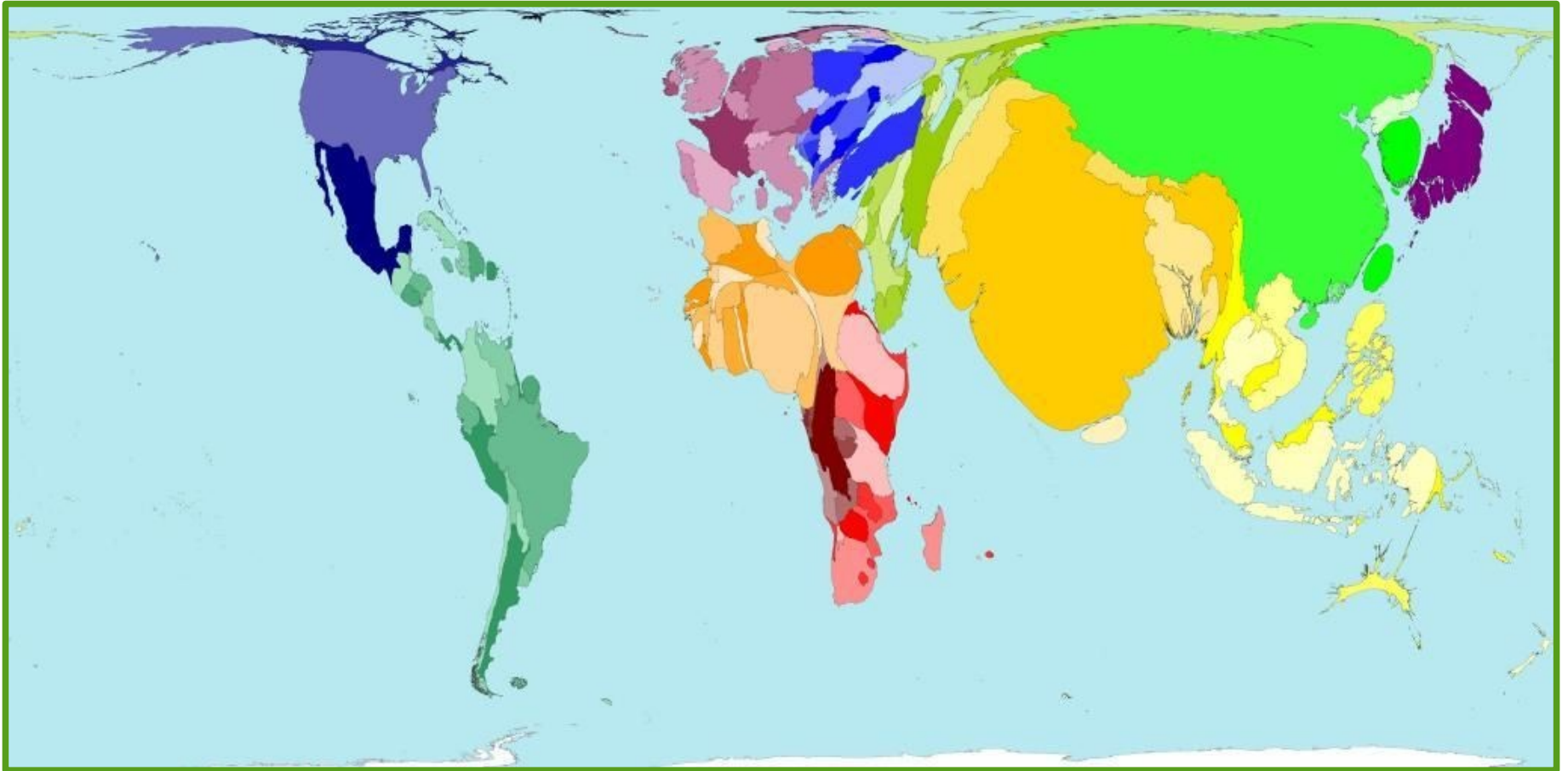
## **the many different faces of a global community**

Italo Vignoli

# Countries by Surface



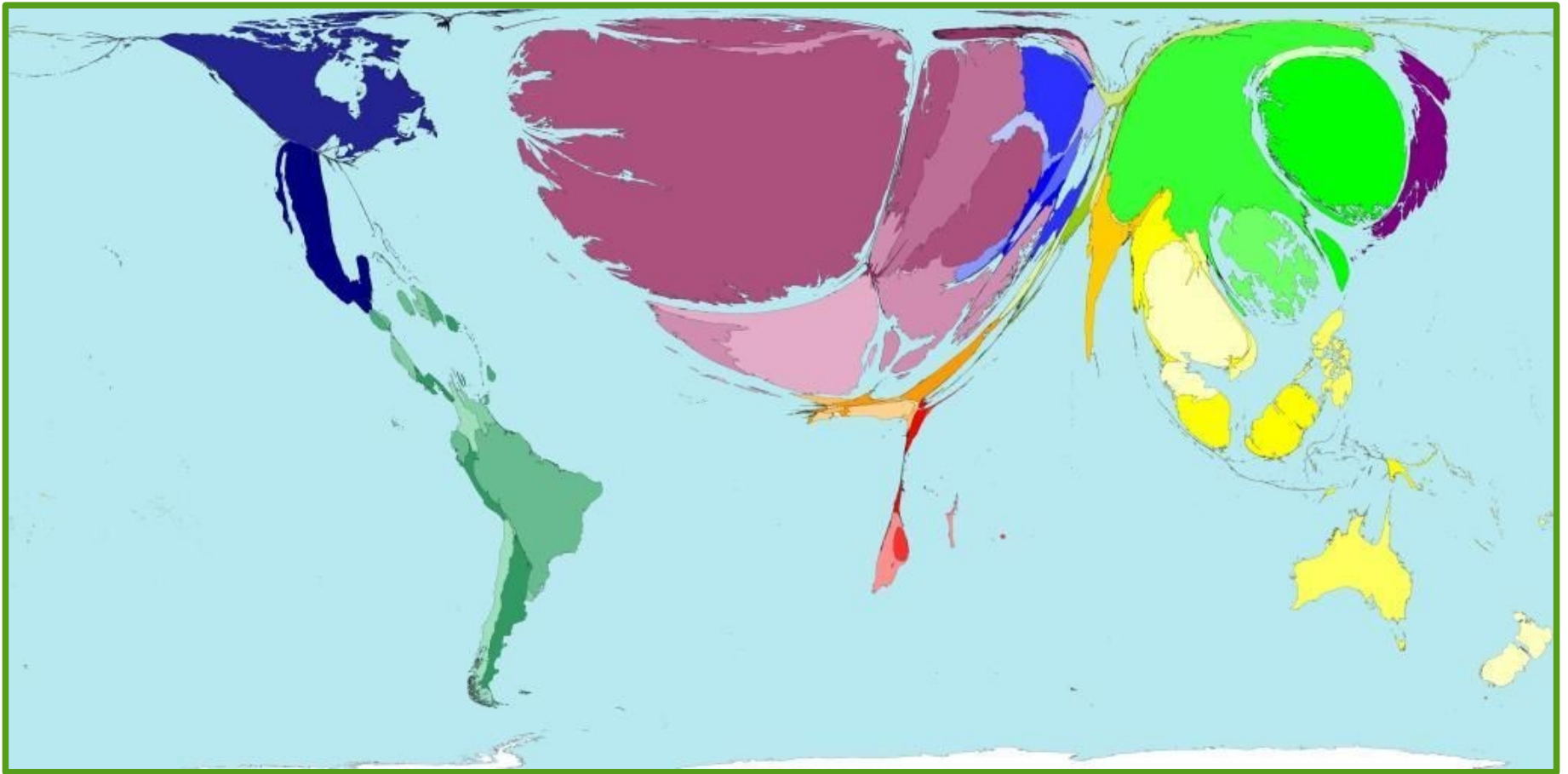
# Countries by Population



# Export of Software Licenses

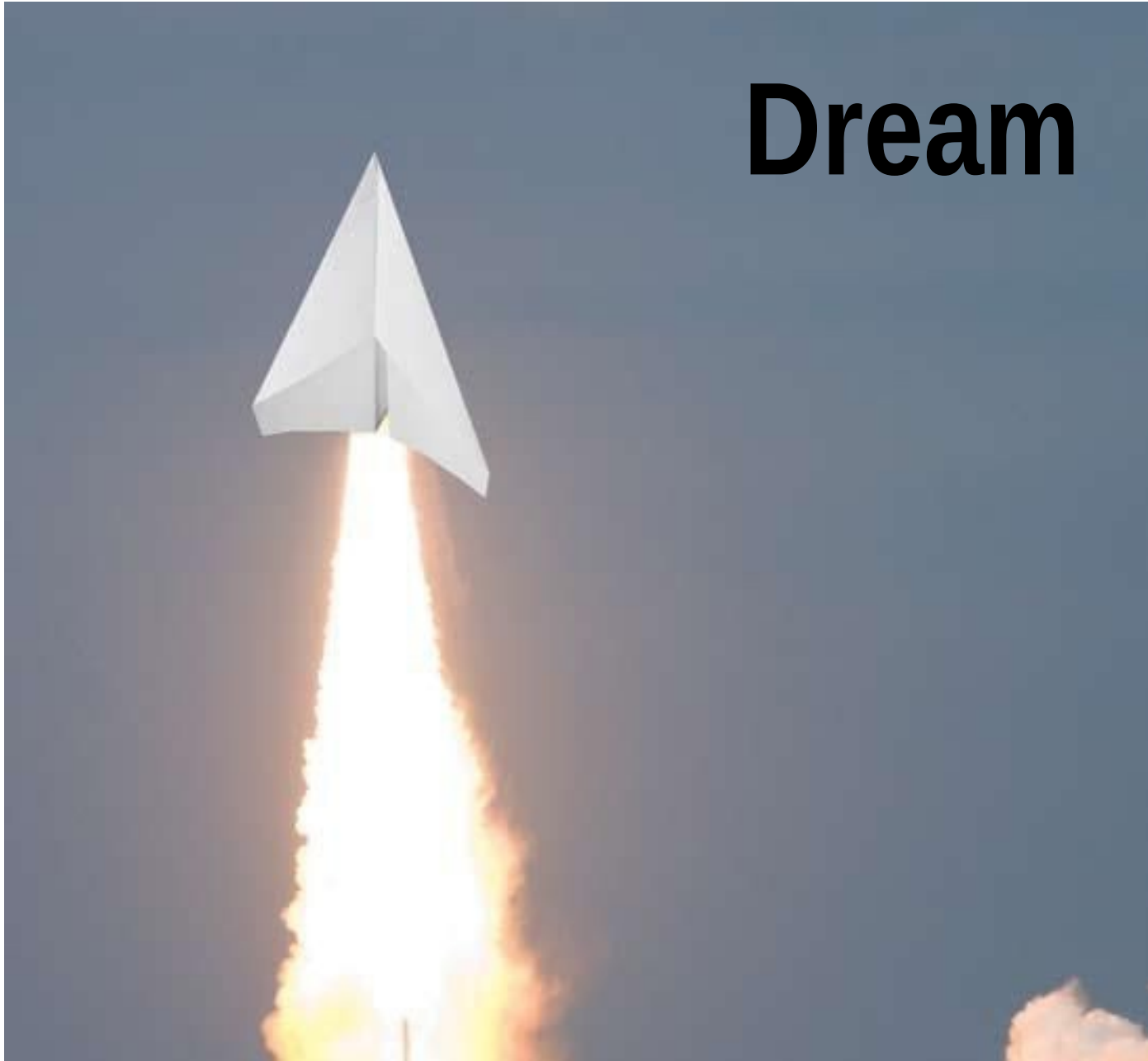


# Import of Software Licenses





# Dream



# Ten Years of Heritage





# OpenOffice History

- 1984: Marco Börries, age 16, releases StarWriter for the Zilog Z80, the Amstrad CPC and the Commodore 64, then ported to the 8086-based Amstrad PC-1512
- Later, the development of other two programs - Base and Draw - turned StarWriter into StarOffice 1.0, for DOS, IBM OS/2 and MS Windows
- StarOffice 3.0 offered StarWriter, StarCalc, StarDraw, StarImage and StarChart
- 1999: Sun Microsystems acquired the company, copyright and trademark of StarOffice





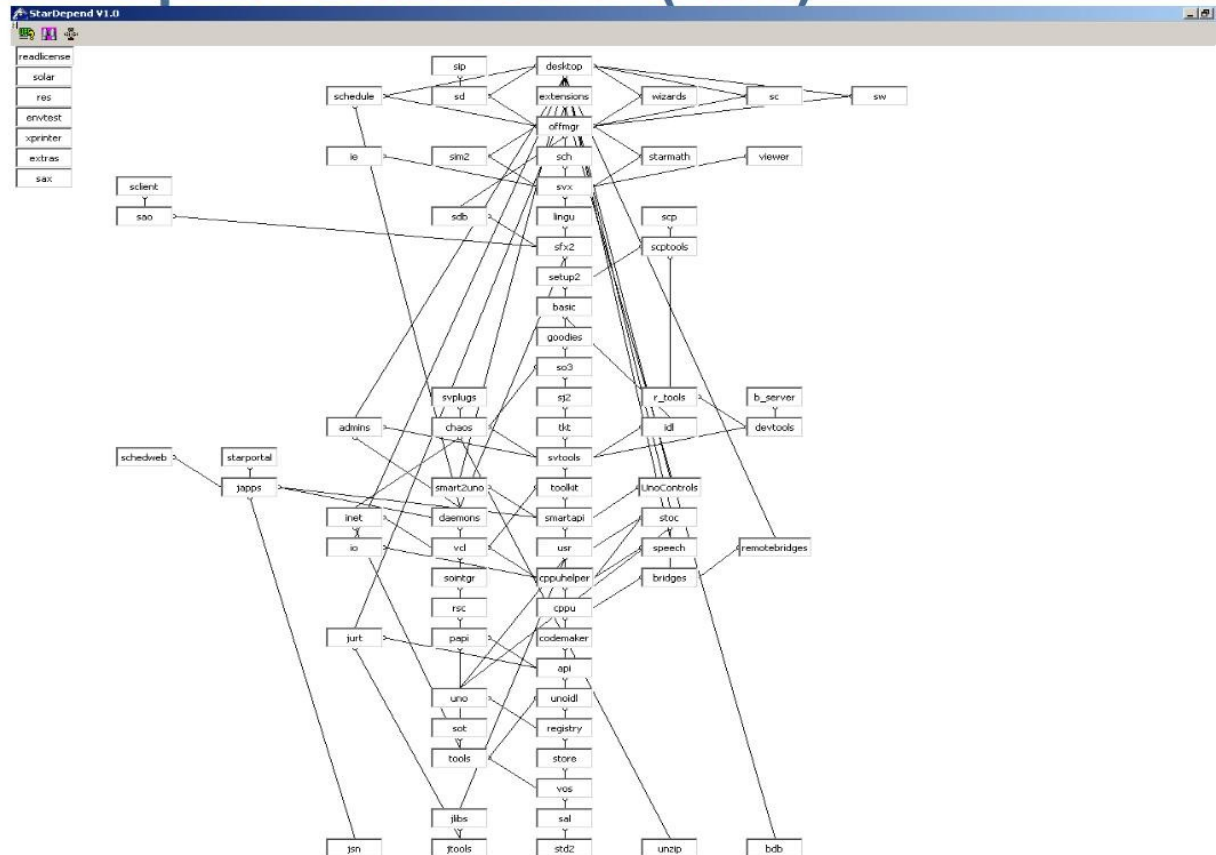
# OpenOffice History

- July 19, 2000: Sun releases StarOffice source code with the objective of creating an OSS development community and providing a free and open alternative to MS Office
- May 1st, 2002: OpenOffice.org 1.0 released with dual license GNU LGPL and SISSL (Sun Industry Standard SW License)
- October 20, 2005: OpenOffice 2.0 released with single LGPL license
- October 2008: OpenOffice 3.0 released

# OOo Lean in 2000



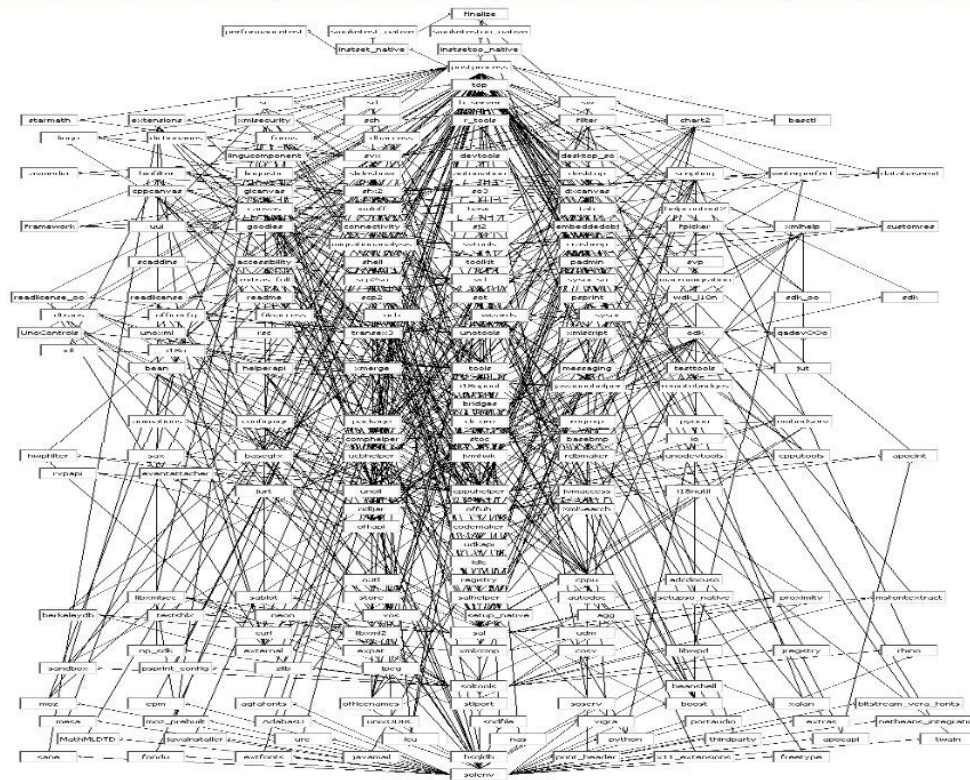
## Build dependencies SO 5.2 (2000)



# OOo Fat in 2005



## Build dependencies OOo 2.0 (2005)



# OOo Conference Lyon 2006



from M. Bemmer presentation at Lyon Conference 2006



## Community building

- Build environment improvements (Kai Backman from Google, Volker Quetschke and Novell involved)
- Reduction of Code Complexity
- Mentoring in the Google Summer of Code
- Further improvement of patch handling
- More transparency
  - > Updating current project sites
  - > Wiki
  - > Group blog
- Online trainings, hands-ons for different skill levels
- Mentoring newbies

THIS WILL BE  
ACHIEVED BY  
LIBREOFFICE

# 2009: Oracle acquires Sun



**Press Room**

- Press Release
- Board of Directors
- Executives
- Spokespeople
- Media Kits
- Public Relations Contacts
- Asia Pacific Media Center
- Europe, Middle East, and Africa Media Center
- Japan Media Center
- Latin America Newsroom

**Oracle Press Release**

## Oracle Buys Sun

Redwood Shores, CA - April 20, 2009

Oracle Corporation (NASDAQ: ORCL) and Sun Microsystems (NASDAQ: JAVA) announced today they have entered into a definitive agreement under which Oracle will acquire Sun common stock for \$9.50 per share in cash. The transaction is valued at approximately \$7.4 billion, or \$5.6 billion net of Sun's cash and debt. "We expect this acquisition to be accretive to Oracle's earnings by at least 15 cents on a non-GAAP basis in the first full year after closing. We estimate that the acquired business will contribute over \$1.5 billion to Oracle's non-GAAP operating profit in the first year, increasing to over \$2 billion in the second year. This would make the Sun acquisition more profitable in per share contribution in the first year than we had planned for the acquisitions of BEA, PeopleSoft and Siebel combined," said Oracle President Safra Catz.

"The acquisition of Sun transforms the IT industry, combining best-in-class enterprise software and mission-critical computing systems," said Oracle CEO Larry Ellison. "Oracle will be the only company that can engineer an integrated system – applications to disk – where all the pieces fit and work together so customers do not have to do it themselves. Our customers benefit as their systems integration costs go down while system performance, reliability and security go up."

There are substantial long-term strategic customer advantages to Oracle owning two key Sun software assets: Java and Solaris. Java is one of the computer industry's best-known brands and most widely deployed technologies, and it is the most important software Oracle has ever acquired. Oracle Fusion Middleware, Oracle's fastest growing business, is built on top of Sun's Java language and software. Oracle can now ensure continued innovation and investment in Java technology for the benefit of customers and the Java community.

The Sun Solaris operating system is the leading platform for the Oracle database, Oracle's largest business, and has been for a long time. With the acquisition of Sun, Oracle can optimize the Oracle database for some of the unique, high-end features of Solaris. Oracle is as committed as ever to Linux and other open platforms and will continue to support and enhance our strong industry partnerships.

**Oracle 1-800-633-0738**

- Oracle Media Relations
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# Relaunch the Innovation

## *Visual Representation of the Fork*

*the community takes control  
to relaunch the innovation and  
develop a self sustaining project  
backed by a solid ecosystem*

**LibreOffice**

*today*

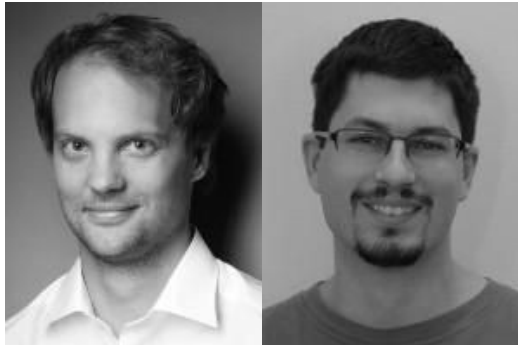
**OpenOffice**

*risk of abandon  
by Oracle after 10  
years of continuous  
growth backed by  
Sun and community*





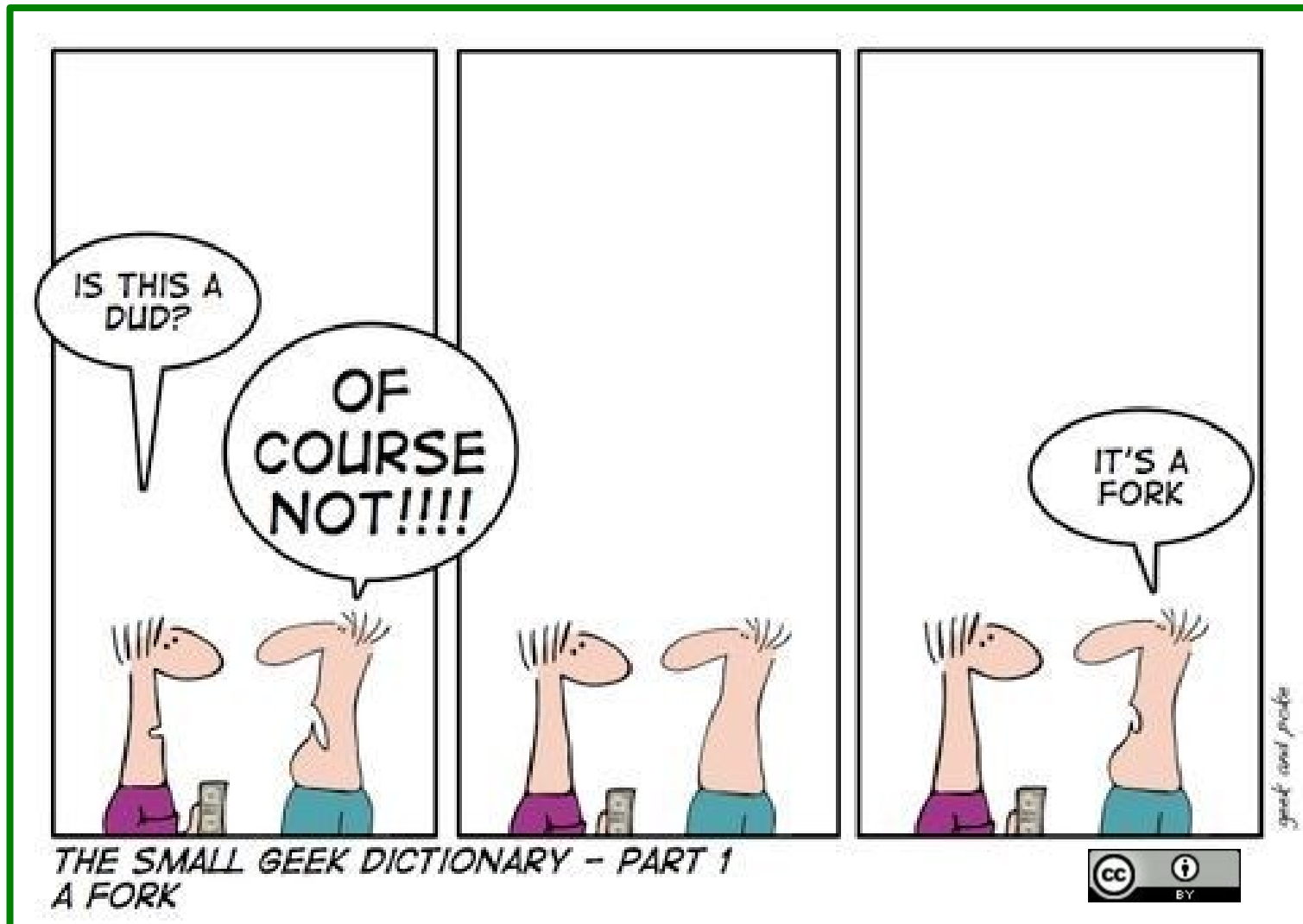
# The First Supper



**Budapest, Sep 2, 2010**



September 28, 2010







**SEPTEMBER 28, 2010**

**OpenOffice.org Community announces  
The Document Foundation**

**The community of volunteers developing and  
promoting OpenOffice.org sets up an independent  
Foundation to drive the further growth of the project**

**The brand "LibreOffice" has been chosen for the  
software going forward**

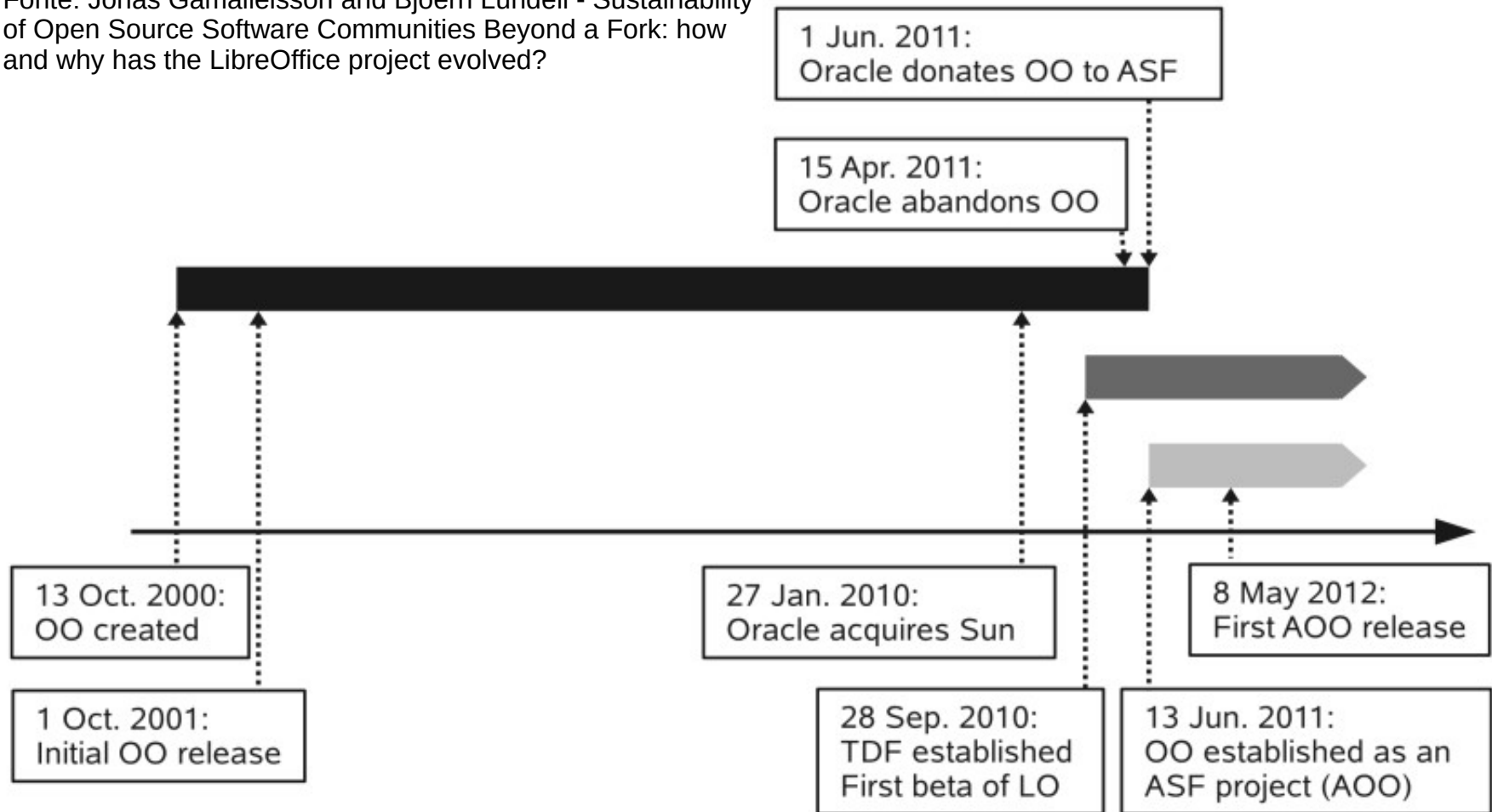
# LibreOffice 2020



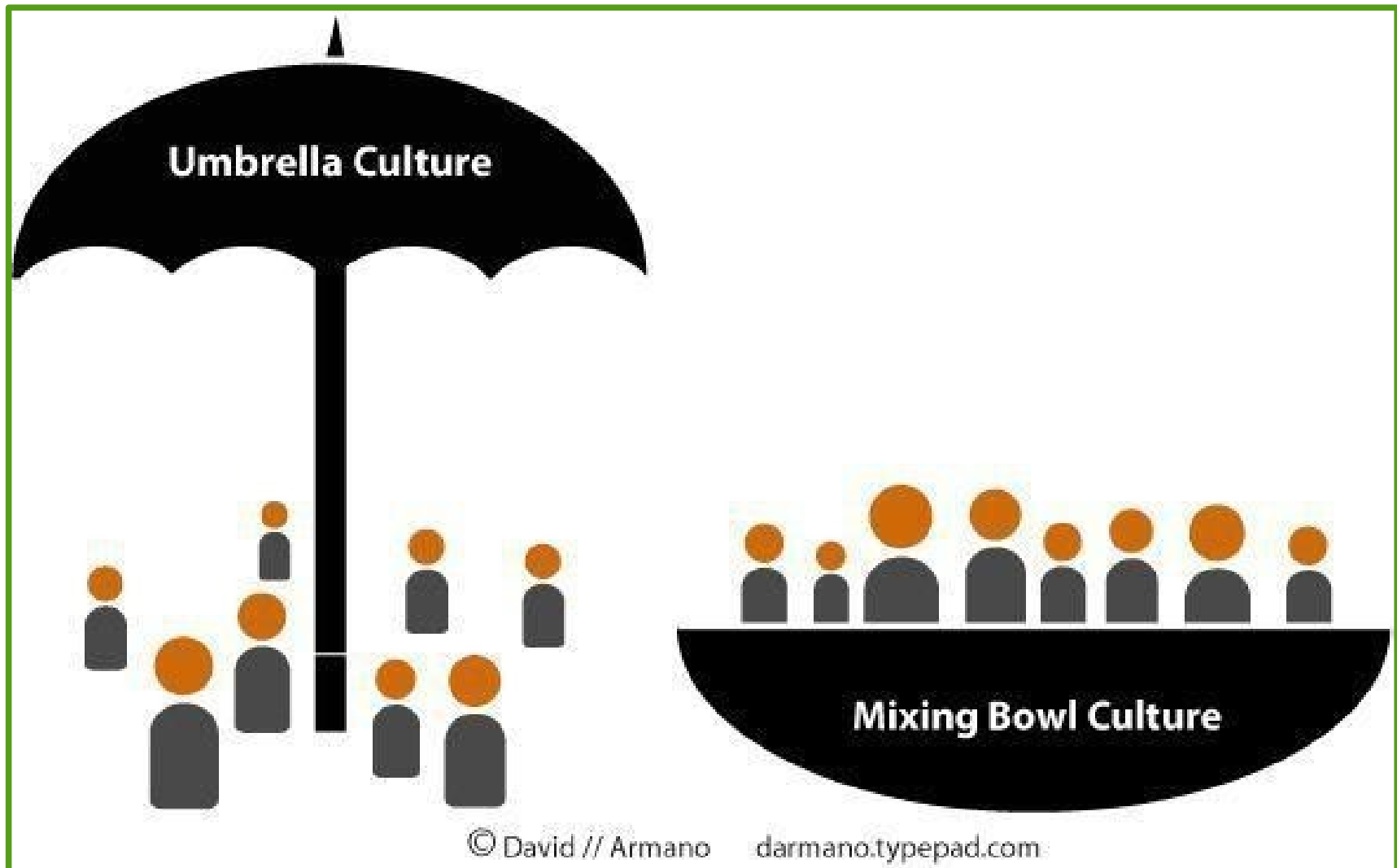
THE JOURNEY HAS JUST BEGUN

# OpenOffice Forks

Fonte: Jonas Gamalielsson and Bjoern Lundell - Sustainability of Open Source Software Communities Beyond a Fork: how and why has the LibreOffice project evolved?



# Reverting the Paradigm



# The Document Foundation





## The Document Foundation

The home of LibreOffice

Welcome Foundation Develop Contribute Certification Supporters Contact

### Welcome

- It is an independent self-governing meritocratic entity, created by former leading members of the OpenOffice.org Community, in the form of a charitable Foundation under German law (gemeinnützige rechtsfähige Stiftung des bürgerlichen Rechts).
- It continues to build on the foundation of ten years' dedicated work by the OpenOffice.org Community.
- It was created in the belief that the culture born of an independent Foundation brings out the best in contributors and will deliver the best software for users.
- It is open to any individual who agrees with our core values and contributes to our activities.
- It welcomes corporate participation, e.g. by sponsoring individuals to work as equals alongside other contributors in the community.

The Document Foundation is proud to be the home of LibreOffice, the next evolution of the world's leading free office suite.

 **Download LibreOffice**

[Understand the reasons for The Document Foundation](#)

[Get involved by subscribing, showing support or donating](#)

[Get press material or contact spokes people](#)

[Read what supporters of The Document Foundation say](#)

# The Document Foundation



Founding Principles

**COPYLEFT LICENSE**

**NO CONTRIBUTOR AGREEMENT**

**MERITOCRACY**

**COMMUNITY GOVERNANCE**

**VENDOR INDEPENDENCE**



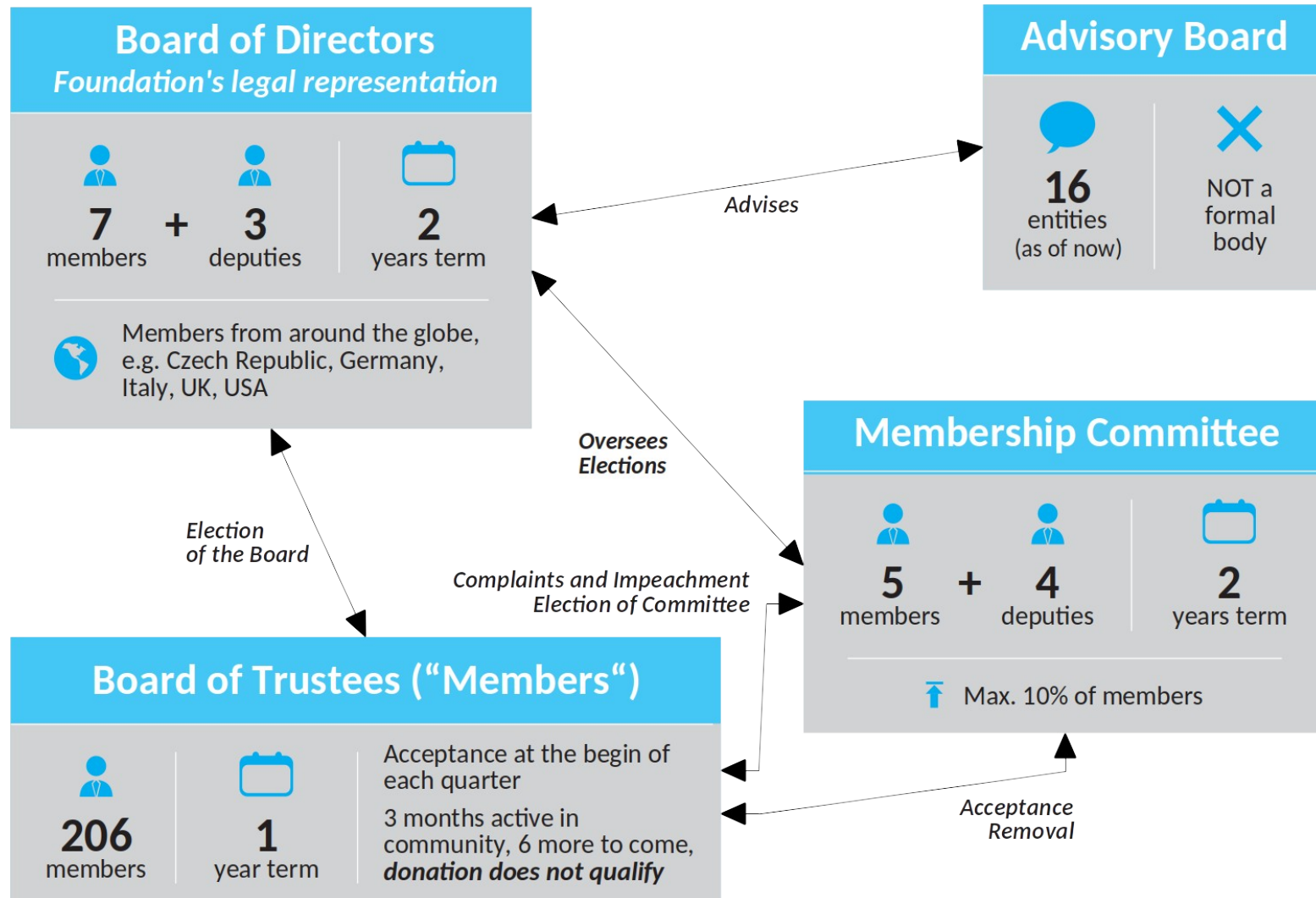
# The Document Foundation



The Document Foundation was born  
**TO PROMOTE** free software  
**TO PROMOTE** SW user freedom  
**TO PROMOTE** document freedom  
**TO PROMOTE** open standards  
**TO DEVELOP** LibreOffice

# The Document Foundation

TDF IS BASED ON THE PRINCIPLE OF MERITOCRACY



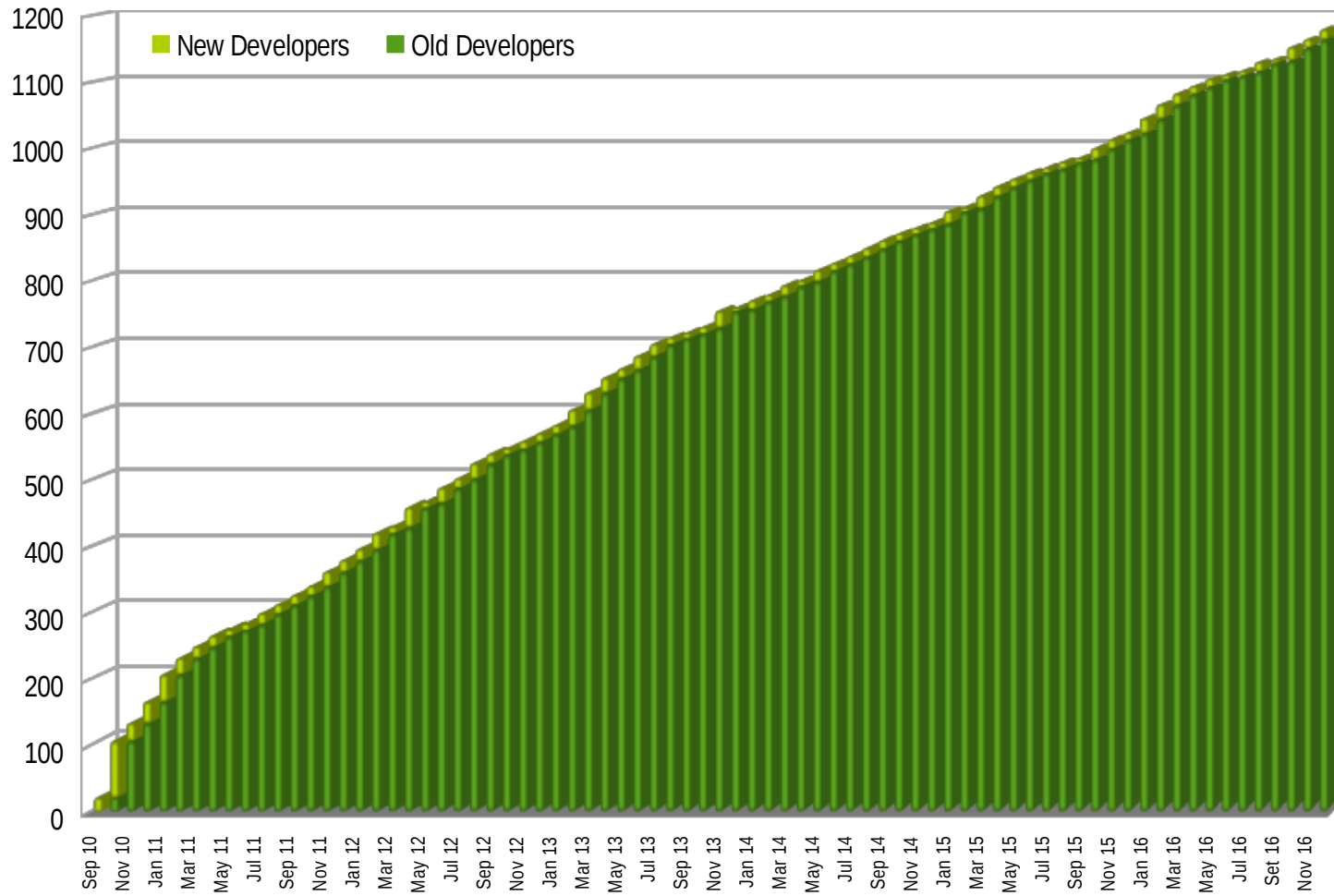


# LibreOffice Main Asset



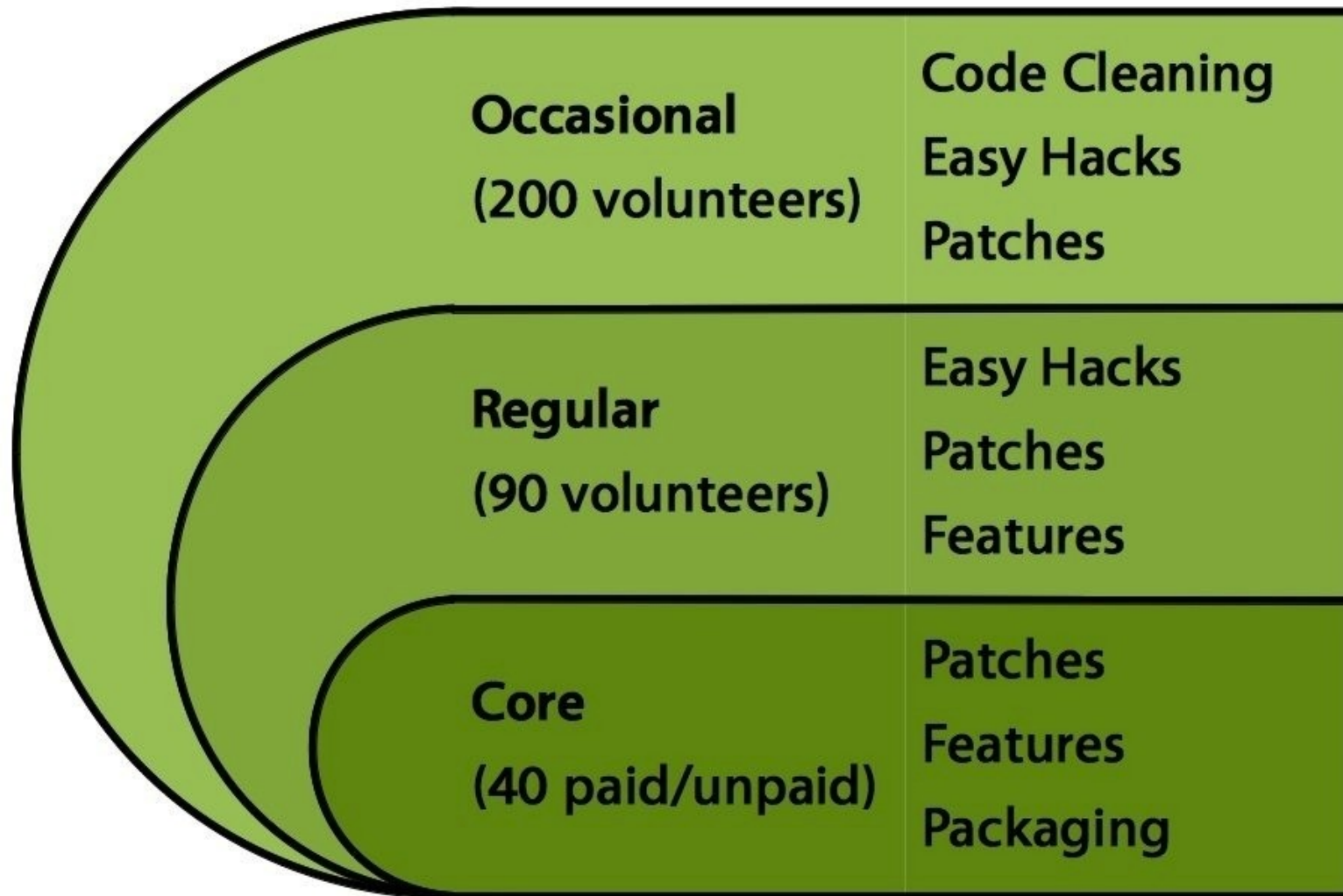


## Serial Growth of LibreOffice Developers



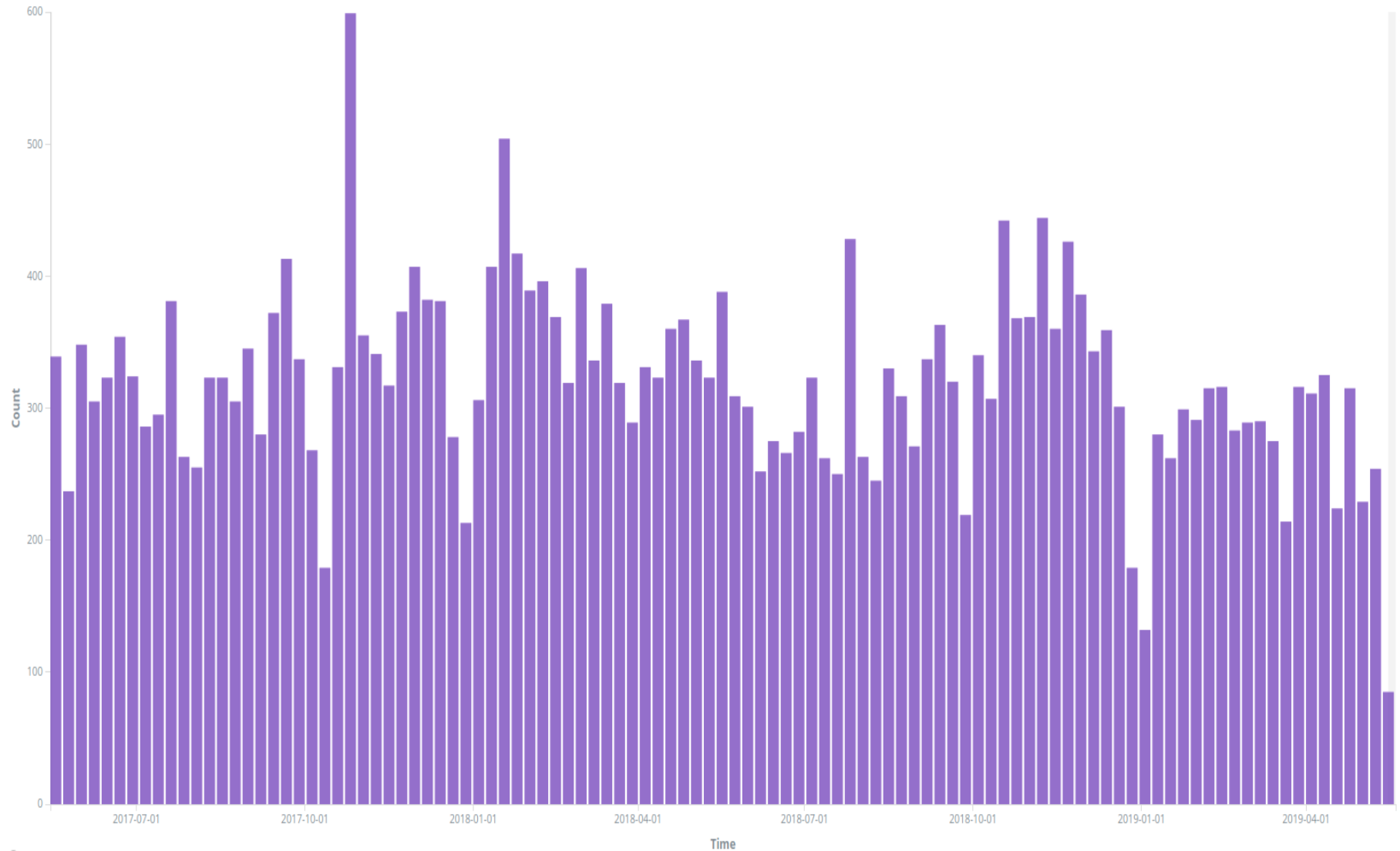


## LibreOffice Code Contributors



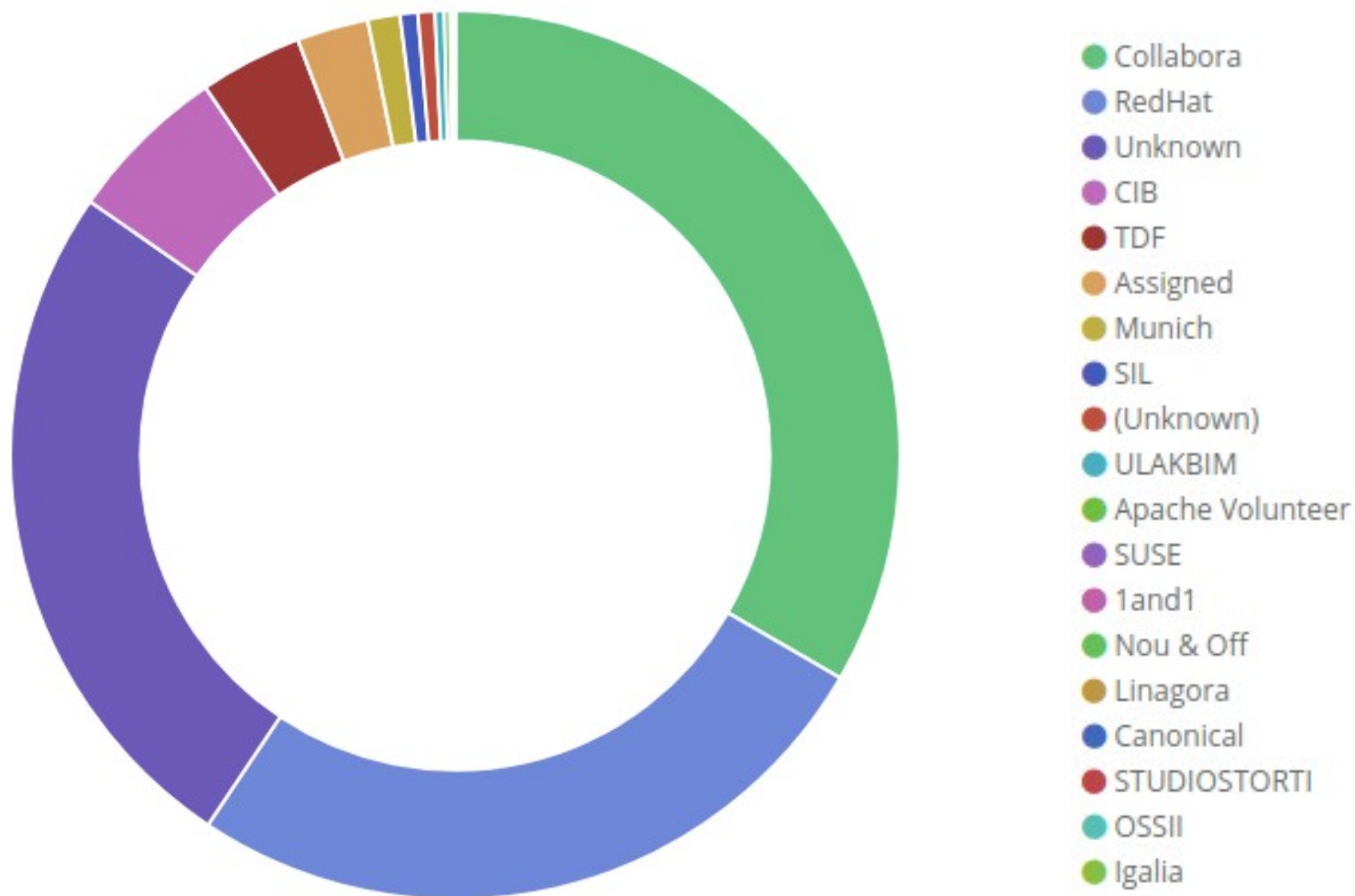


# Git Commits in 2019 YTD



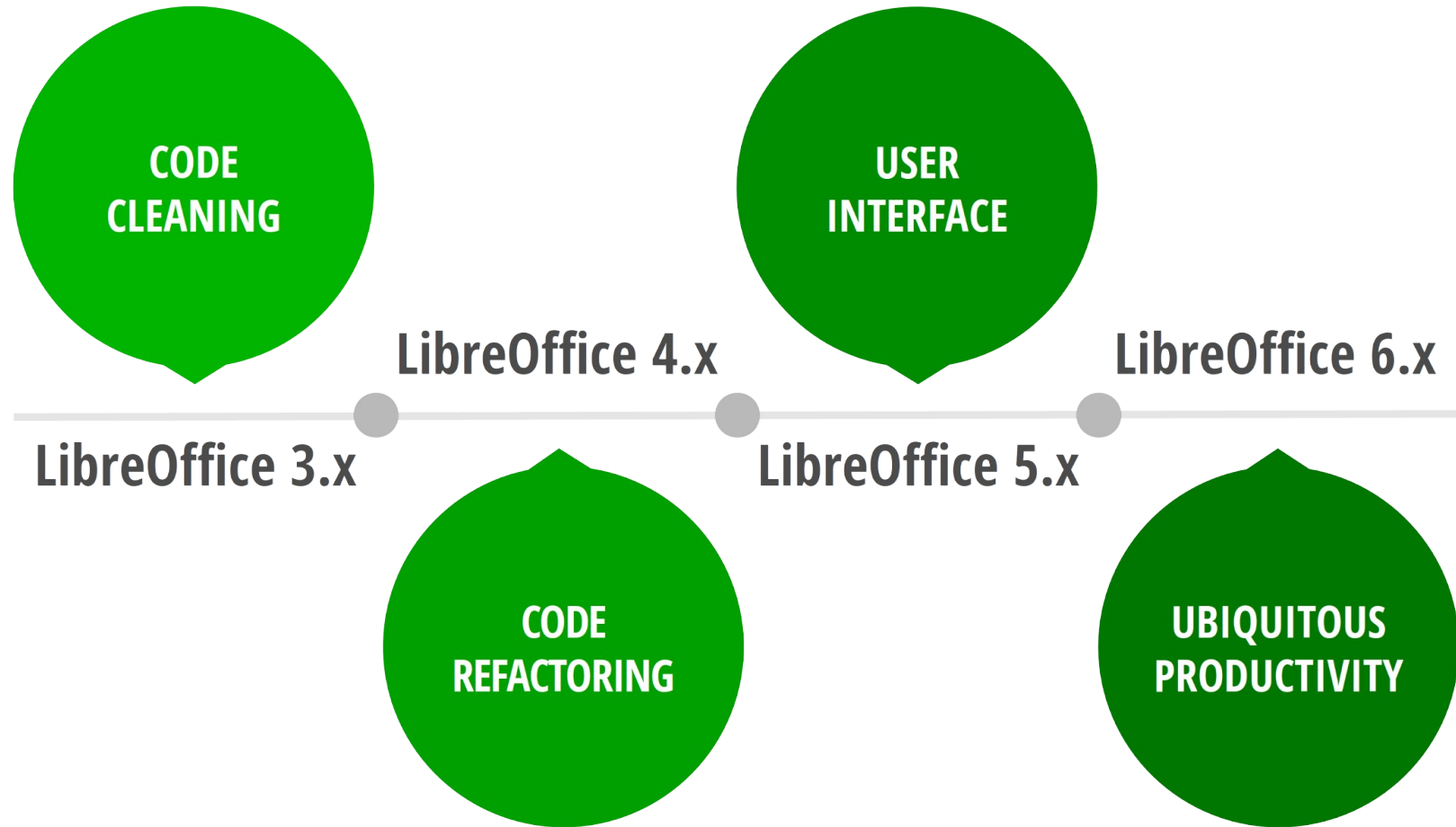
# Contributions by Orgs 2019 YTD

Source: TDF Dashboard





# Development Cycles



# Coverity Scan



## DEFECTS WE FIND INCLUDE



Crashes



Security  
Vulnerabilities



Concurrency



Memory  
Corruption



Uninitialized  
memory

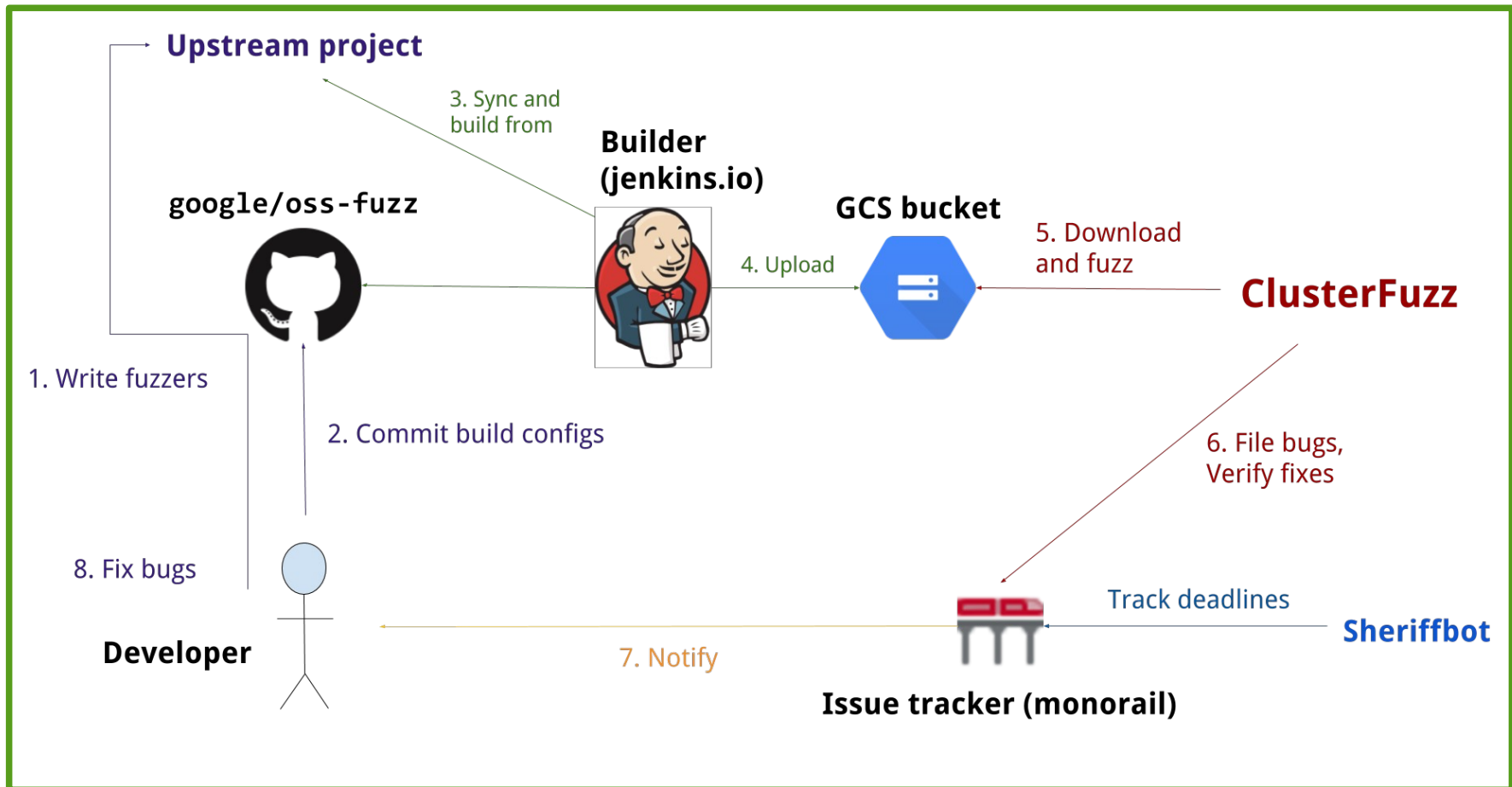


Error handling



Resource leaks

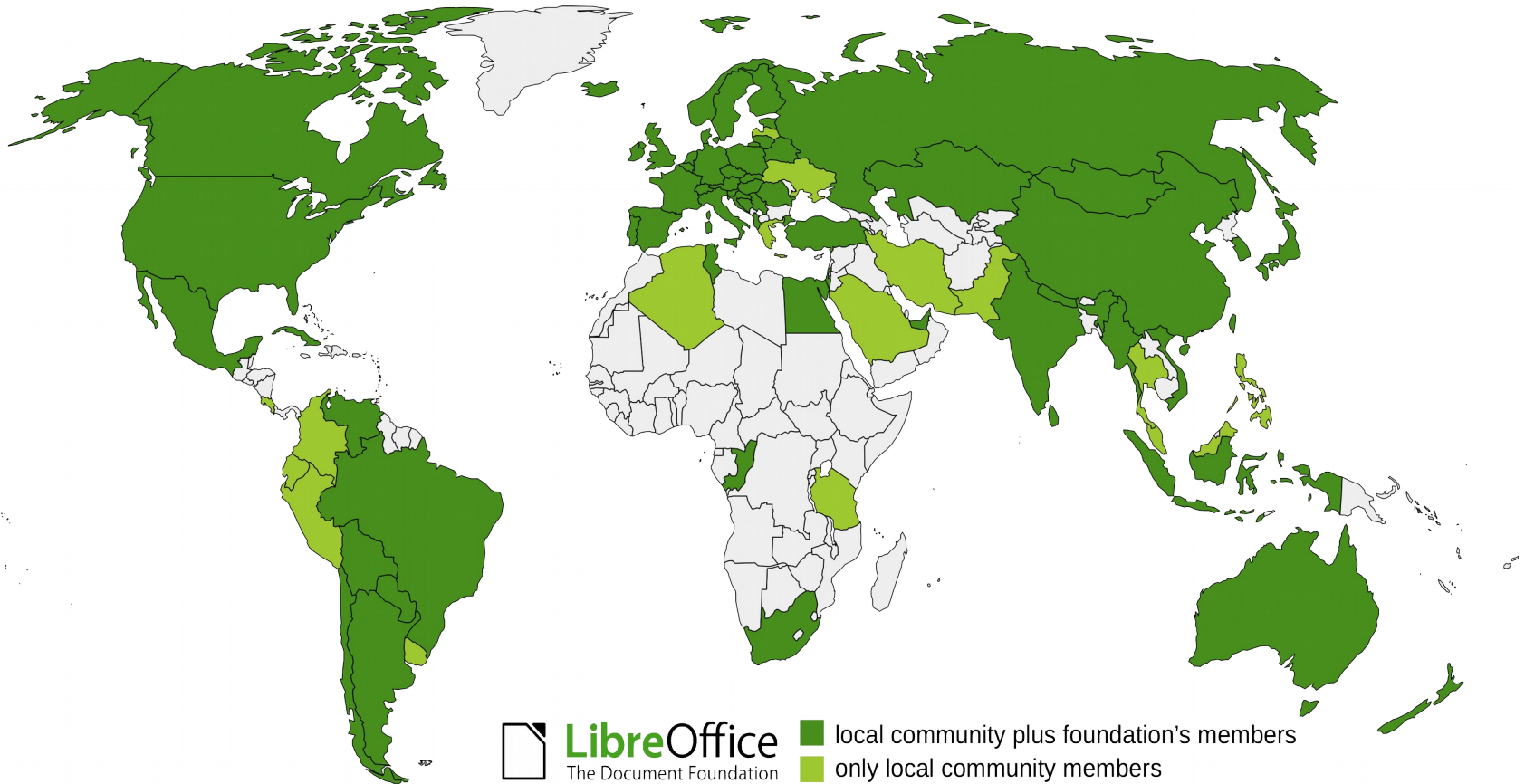
# Google's OSS-Fuzz





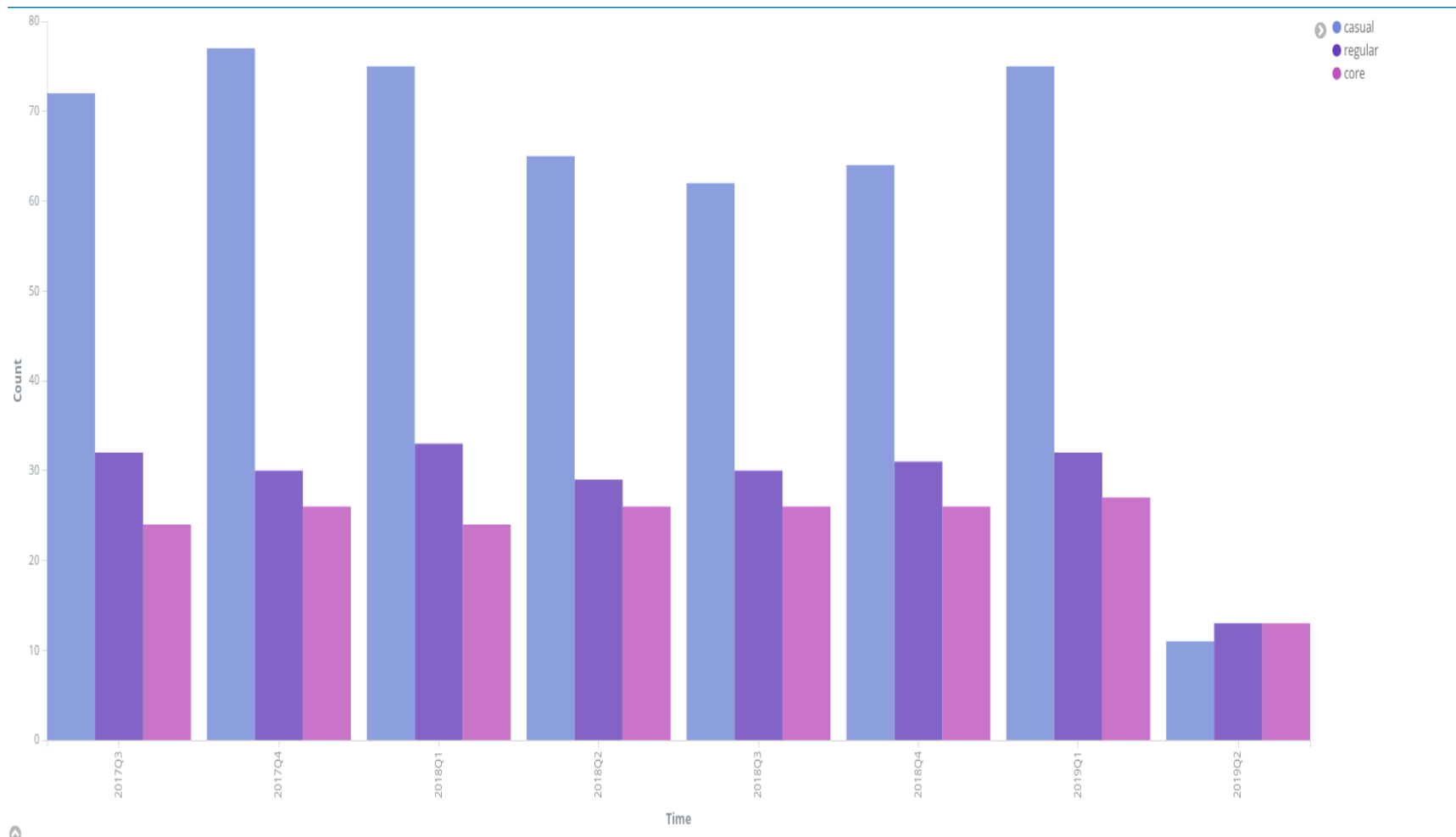


# LibreOffice Known Community



# Community Last 12 Months

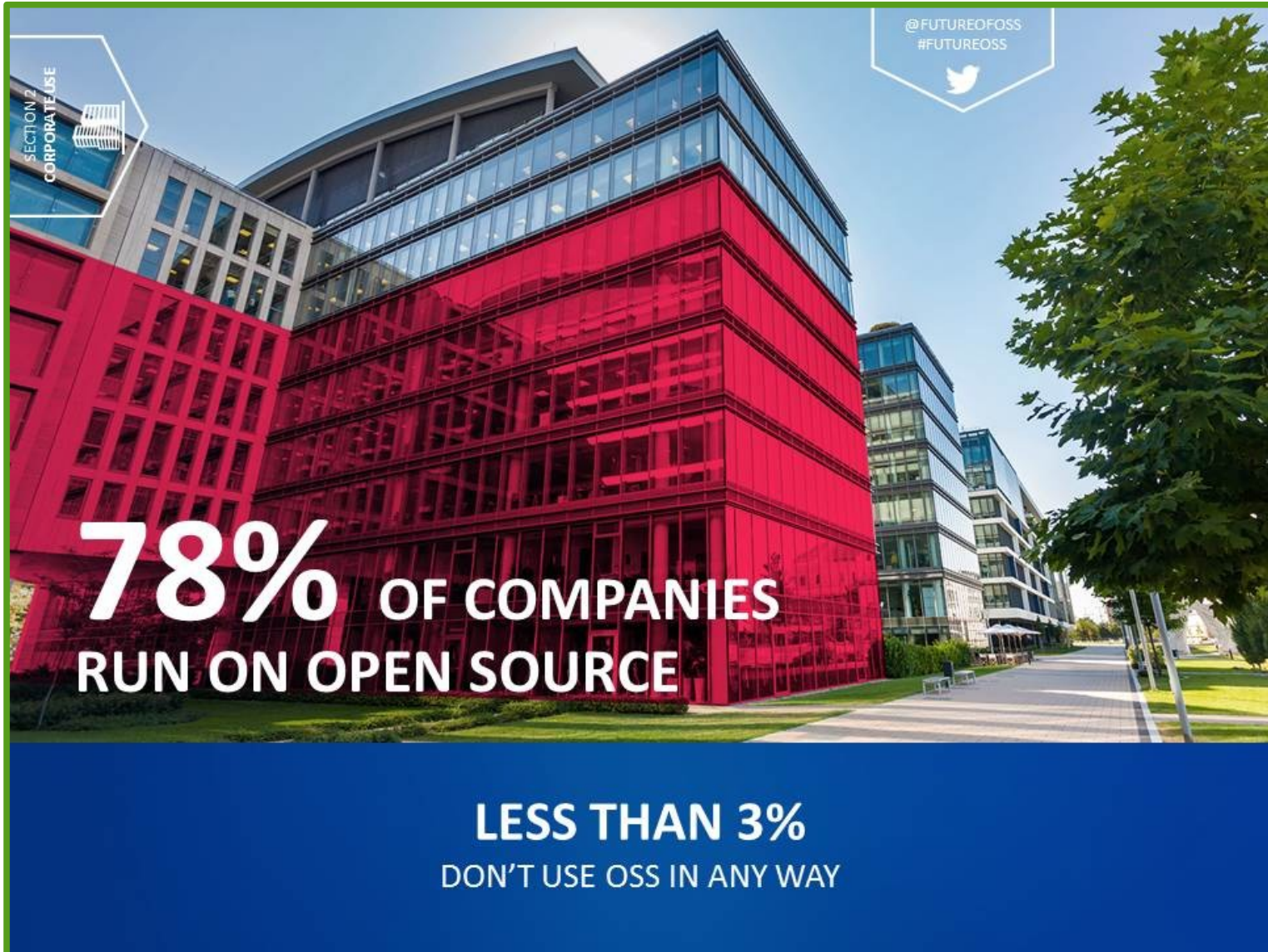
## Source: TDF Dashboard



# LibreOffice



# Open Source Software





# LibreOffice Position



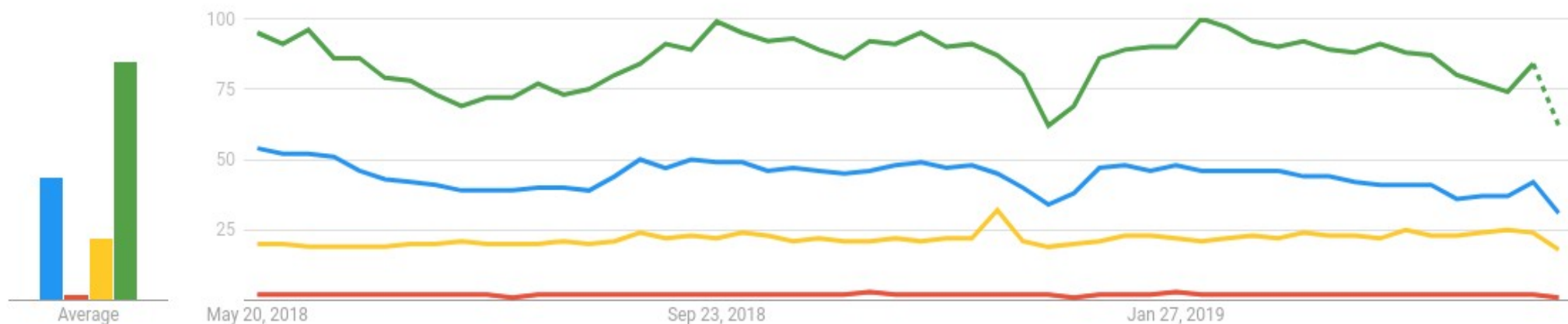


# Google Trends

- OpenOffice (blue)
- OnlyOffice (red)
- WPS Office (yellow)
- LibreOffice (green)



# Last 12 Months

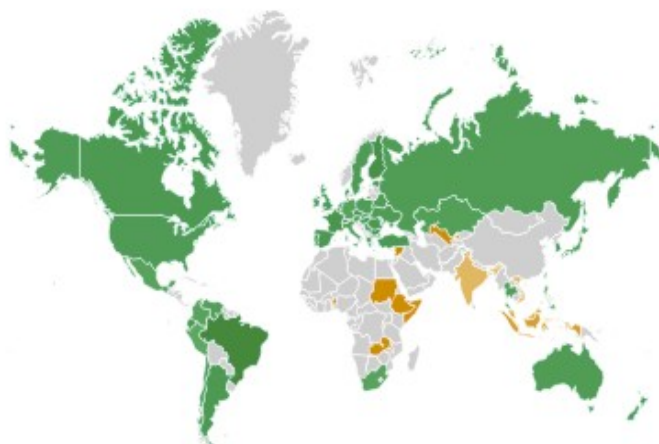







## Compared breakdown by region

 Region   

● openoffice ● onlyoffice ● wps office ● libreoffice

Sort: Interest for libreoffice ▼


 Color intensity represents percentage of searches [LEARN MORE](#)

1	Brazil	
2	Finland	
3	Czechia	
4	Estonia	
5	Israel	



# LibreOffice User Base Estimate

In term of number of users worldwide, we provide the following estimate based on a global number of PC users between 2 and 3 billion (90% Windows, 8% macOS, 2% Linux):

- 100% of desktop Linux users (between 40 and 60 million)
- 10% of desktop Windows users (between 180 and 270 million)
- 10% of desktop macOS users (between 16 and 24 million)

So, we pick the lower figure of 236 million users worldwide, and we further reduce it to 200 million users worldwide to account for some duplications.

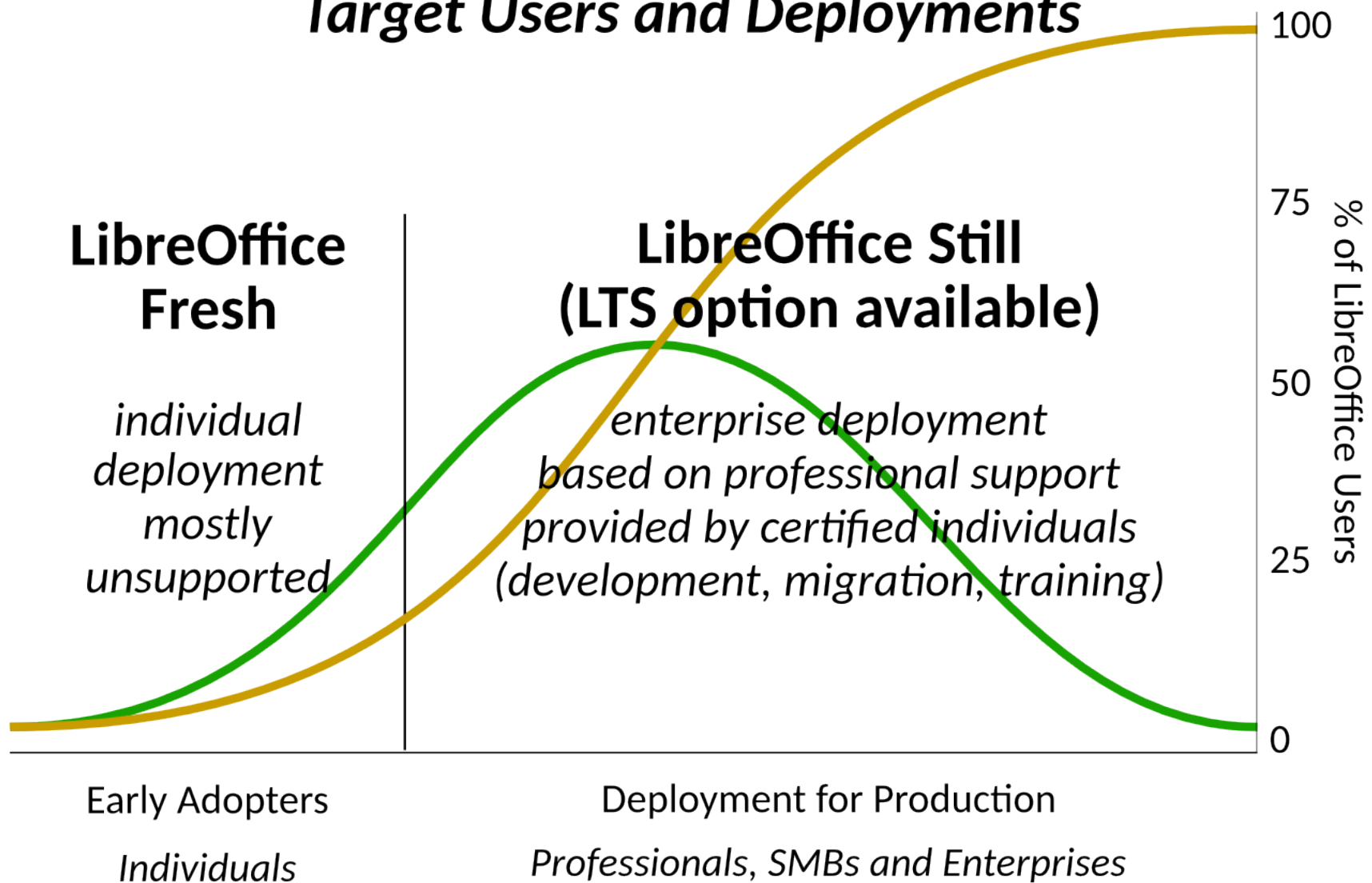


# LibreOffice Fresh vs Still

- The Document Foundation provides two concurrent LibreOffice branches:
- **LibreOffice Fresh**
  - Targeted to early adopters and power users
- **LibreOffice Still**
  - Targeted to enterprises and conservative users
- They are both concurrently maintained to serve different users with best-in-class software

# LibreOffice Fresh vs Still

## Target Users and Deployments



# Providers of LTS Versions



**CIB**



Collabora Productivity

# LibreOffice Online Writer



For instance, let's take the world famous sentence from Hamlet: "To be, or not to be, that is the question".

LibreOffice would write the underlying XML as:

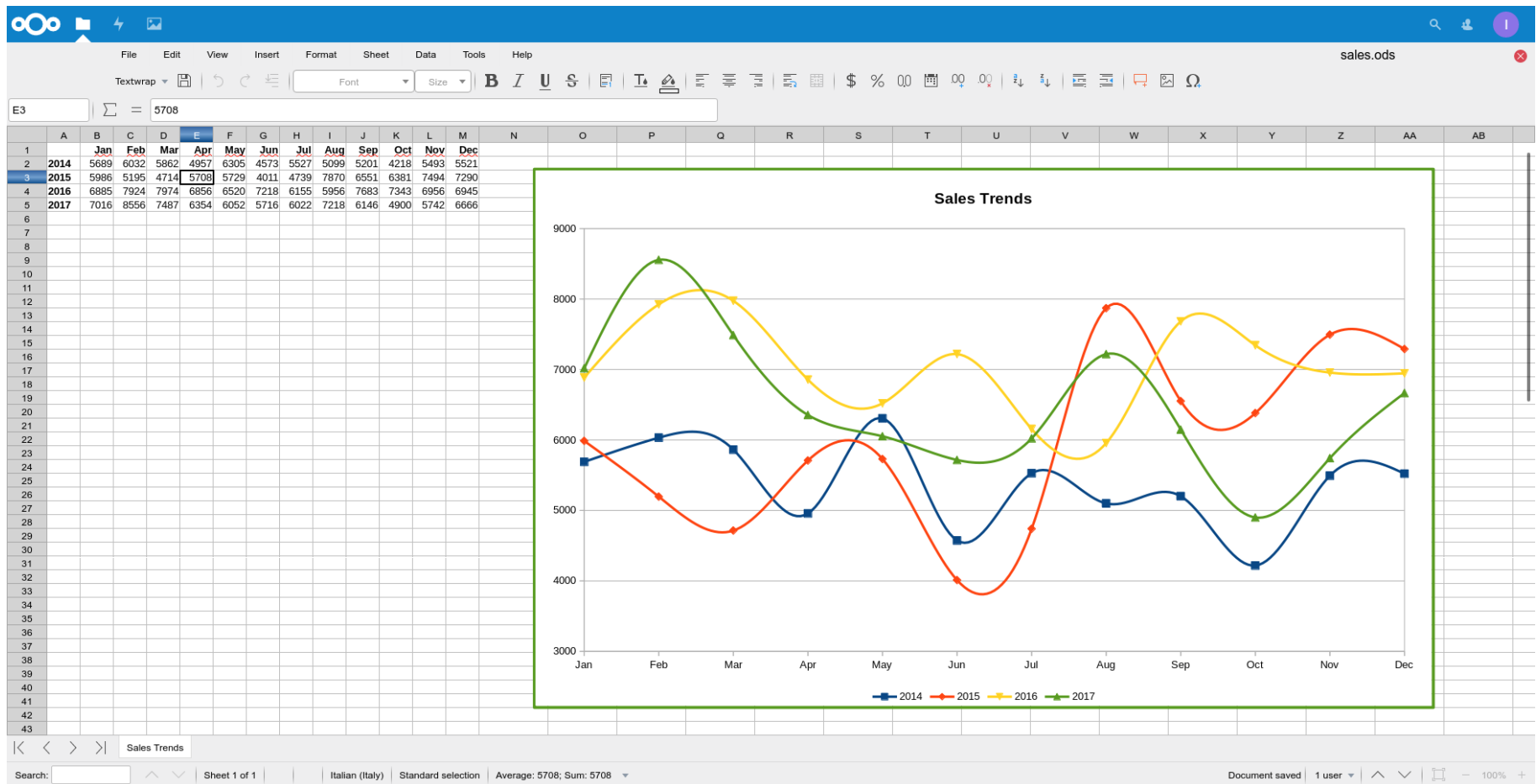
```
<text:p text:style-name="P1">To be, or not to be, this is the question.</text:p>
```

Microsoft Office would write it adding a large number of redundant XML tags, as follows:

```
<w:r>
  <w:rPr>
    <w:rFonts w:ascii="Calibri" w:hAnsi="Calibri"/>
    <w:sz w:val="72"/>
    <w:szCs w:val="72"/>
    <w:lang w:val="en-US"/>
  </w:rPr>
  <w:t>To be, or not to be,</w:t>
</w:r>
<w:r w:rsidR="00EB67B8">
  <w:rPr>
    <w:rFonts w:ascii="Calibri" w:hAnsi="Calibri"/>
```

Search:  Page 1 of 3 | 469 words, 3,164 characters | Insert | Standard selection | English (UK) | Document saved | 1 user | 207% +

# LibreOffice Online Calc





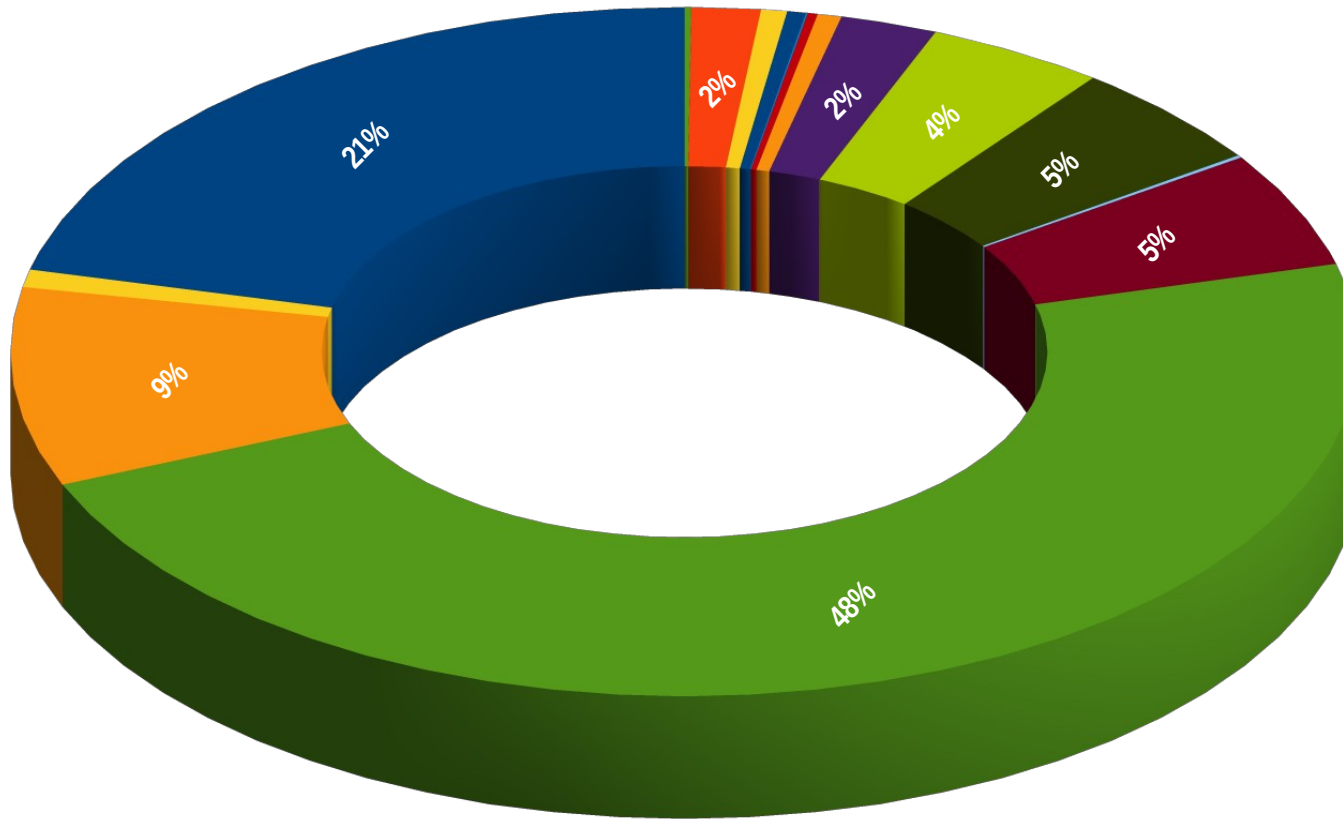


# The Future

- Together, we can all help to build a global ecosystem using OpenSource software
- Contributing means sharing our knowledge to improve the global community
- Without boundaries to what we are good at doing: FOSS needs all kind of skills



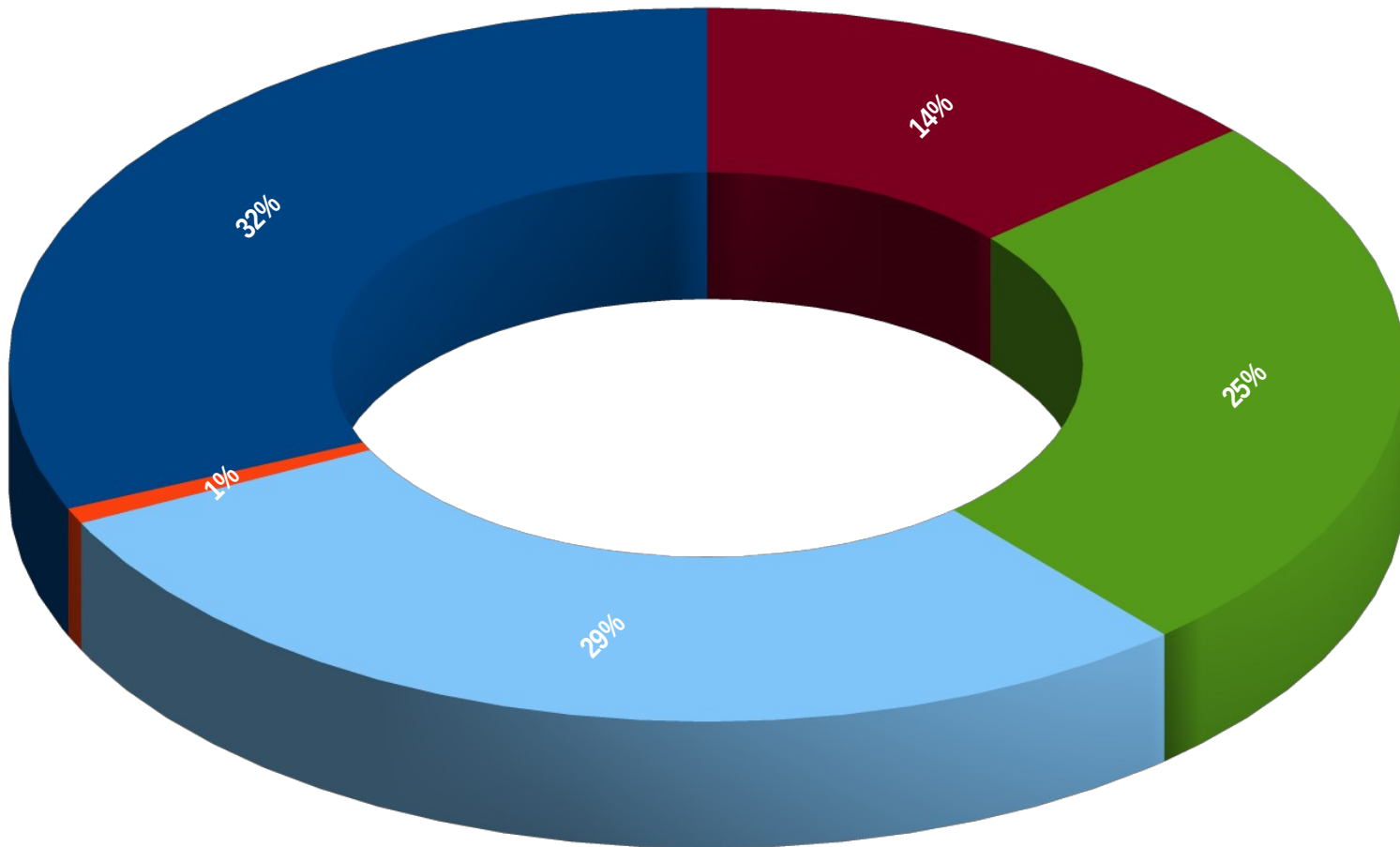
Visits to Download Page by Geography (January / April 2019)



North America Central America South America Europe East Asia Central Asia  
South Asia SE Asia Western Asia North Africa West Africa Central Africa  
East Africa Southern Africa Oceania Unknown



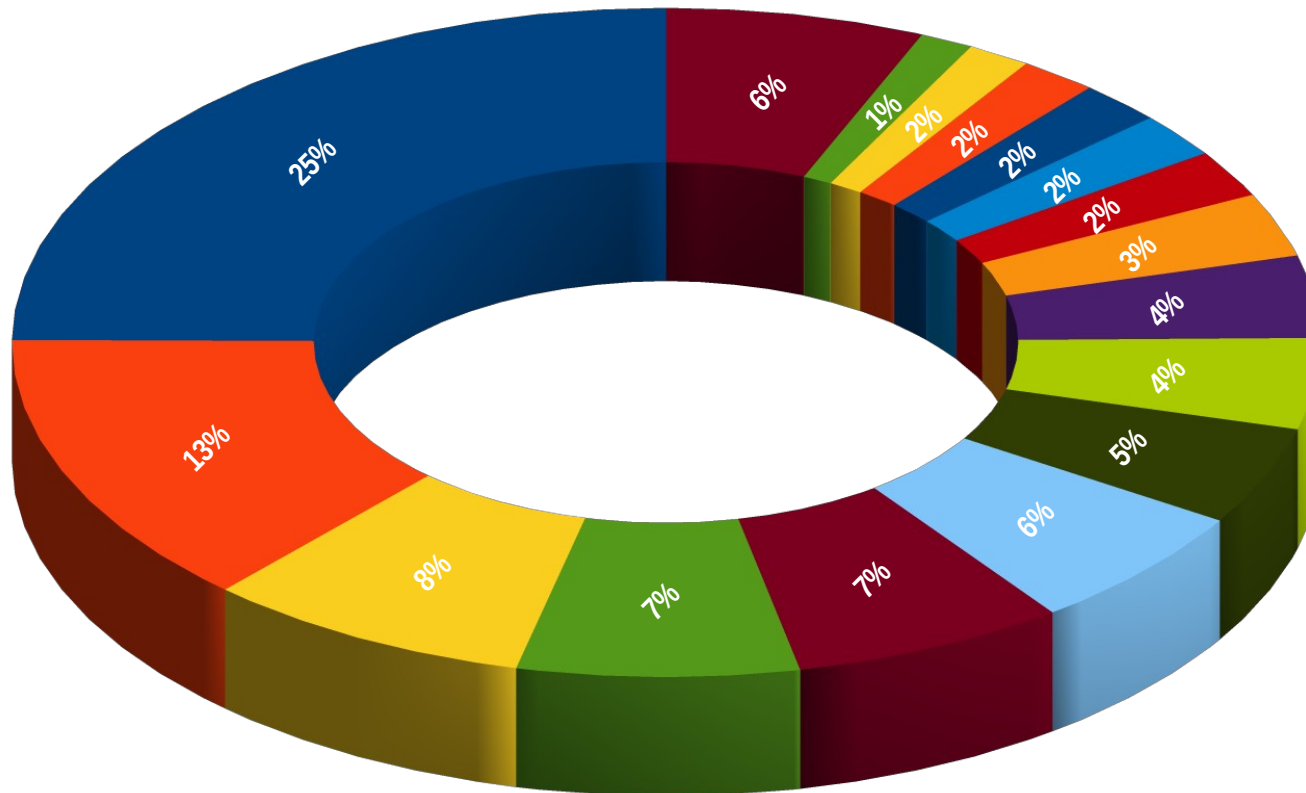
Visits to Download Page from Asia (January / April 2019)



■ East Asia ■ Central Asia ■ South Asia ■ SE Asia ■ Western Asia



### Visits to Download Page from Countries in Asia (January / April 2019)

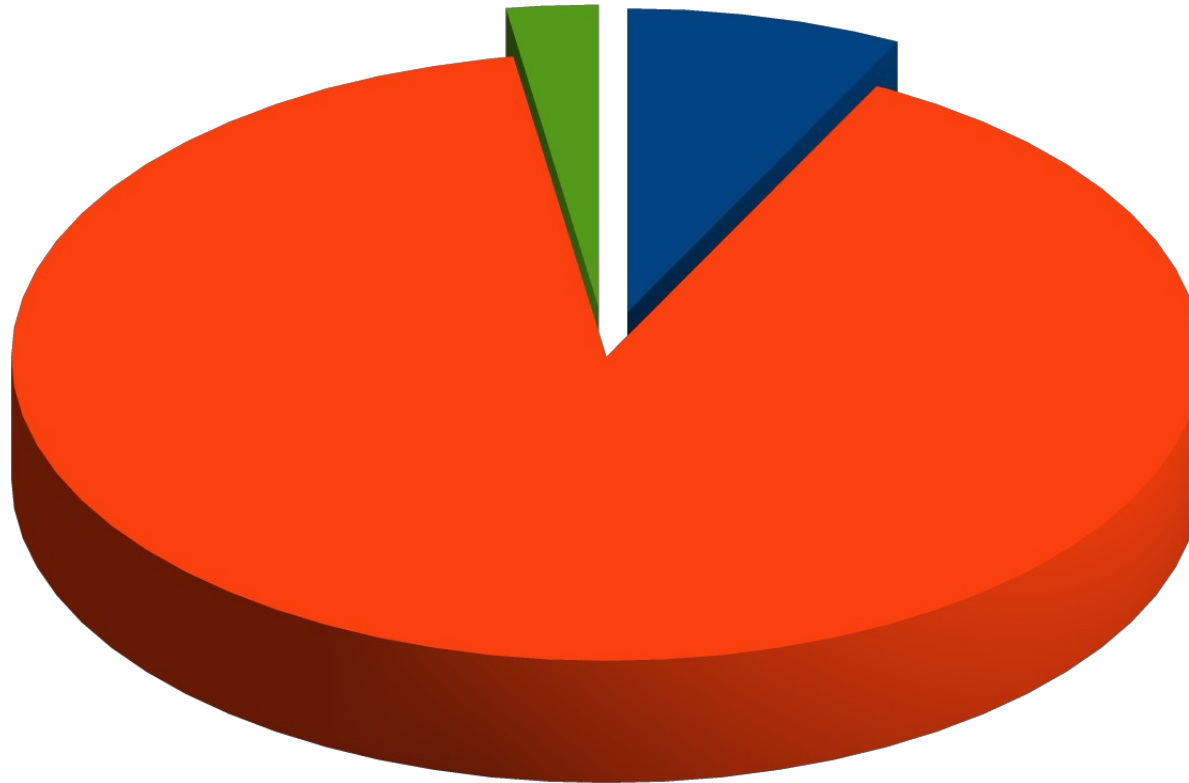


■ India	■ Japan	■ Indonesia	■ China	■ Turkey	■ Philippines
■ Taiwan	■ Thailand	■ South Korea	■ Saudi Arabia	■ Malaysia	■ Hong Kong
■ Vietnam	■ Pakistan	■ Singapore	■ Israel	■ Others	



**YOU ARE NEVER TOO OLD  
TO SET ANOTHER GOAL  
OR TO DREAM A NEW  
DREAM (CS Lewis)**

# FOSS Today



■ Know ■ Use ■ Refuse

# FOSS Tomorrow (Dream)



■ Know ■ Use ■ Refuse





**Italo Vignoli**  
**italo@libreoffice.org**  
**italo@vignoli.org**

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