



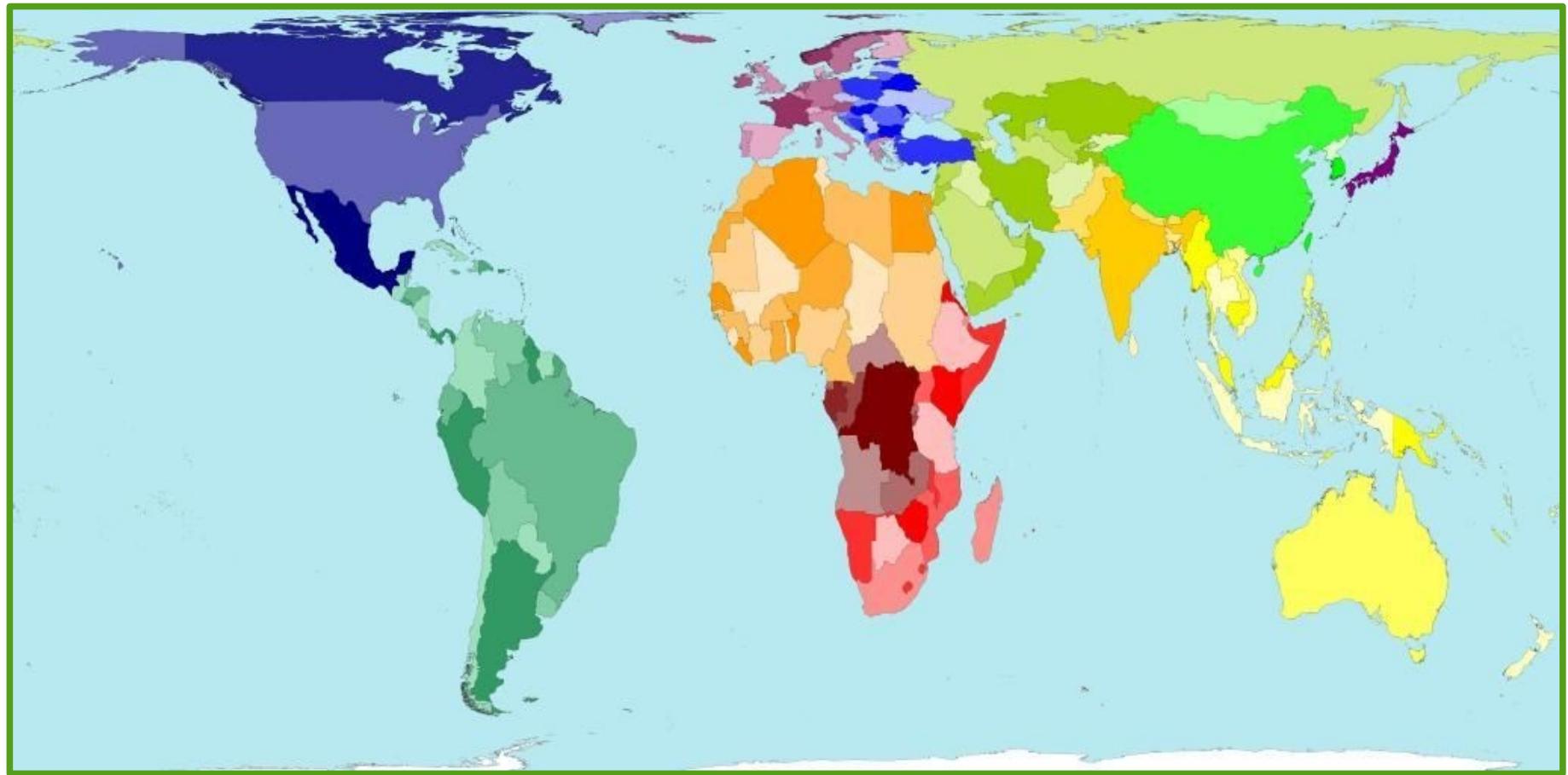
# **LibreOffice**

## **グローバルコミュニティ の多様な側面**

**Italo Vignoli**

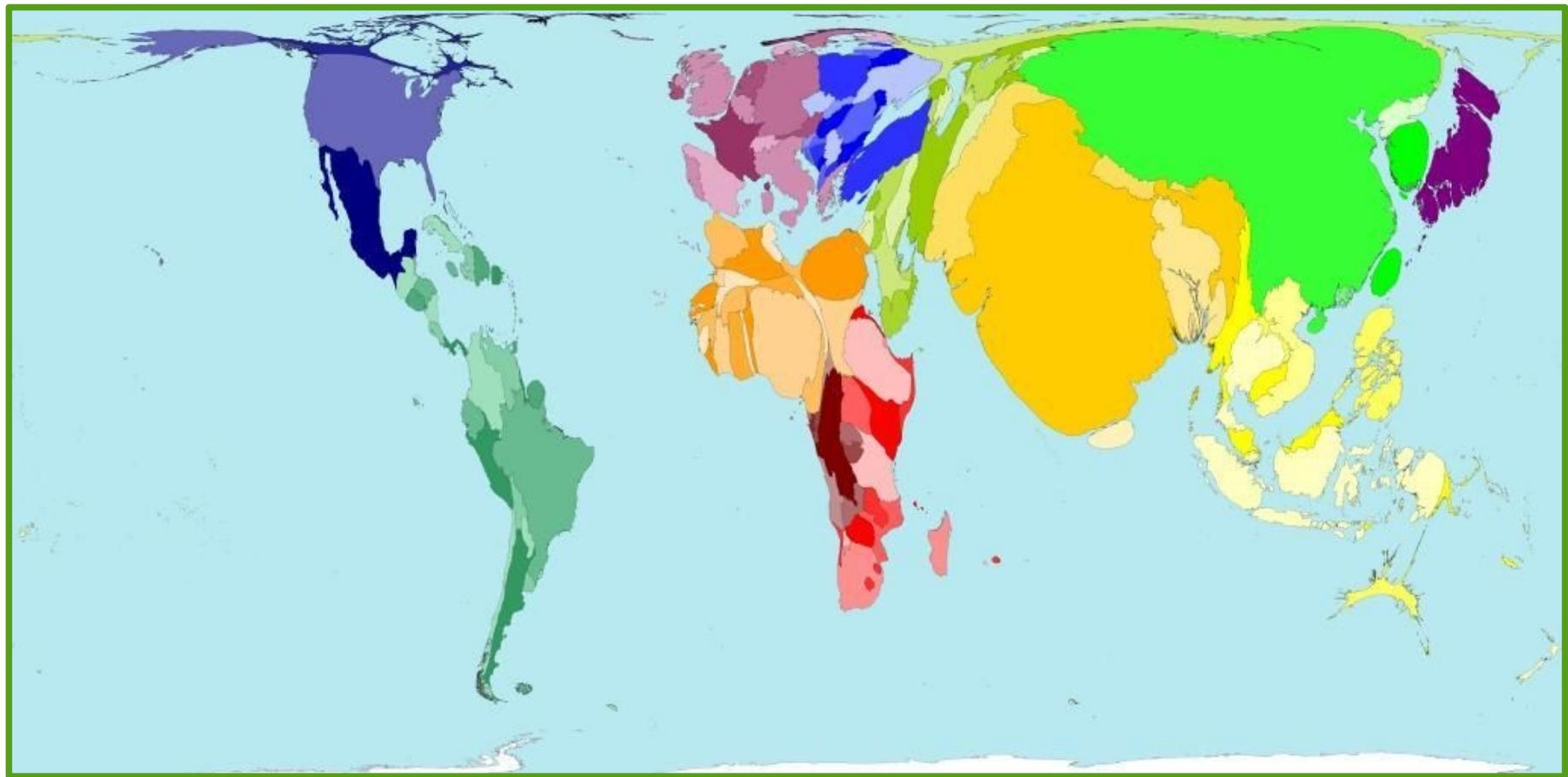


# 面積で表した国





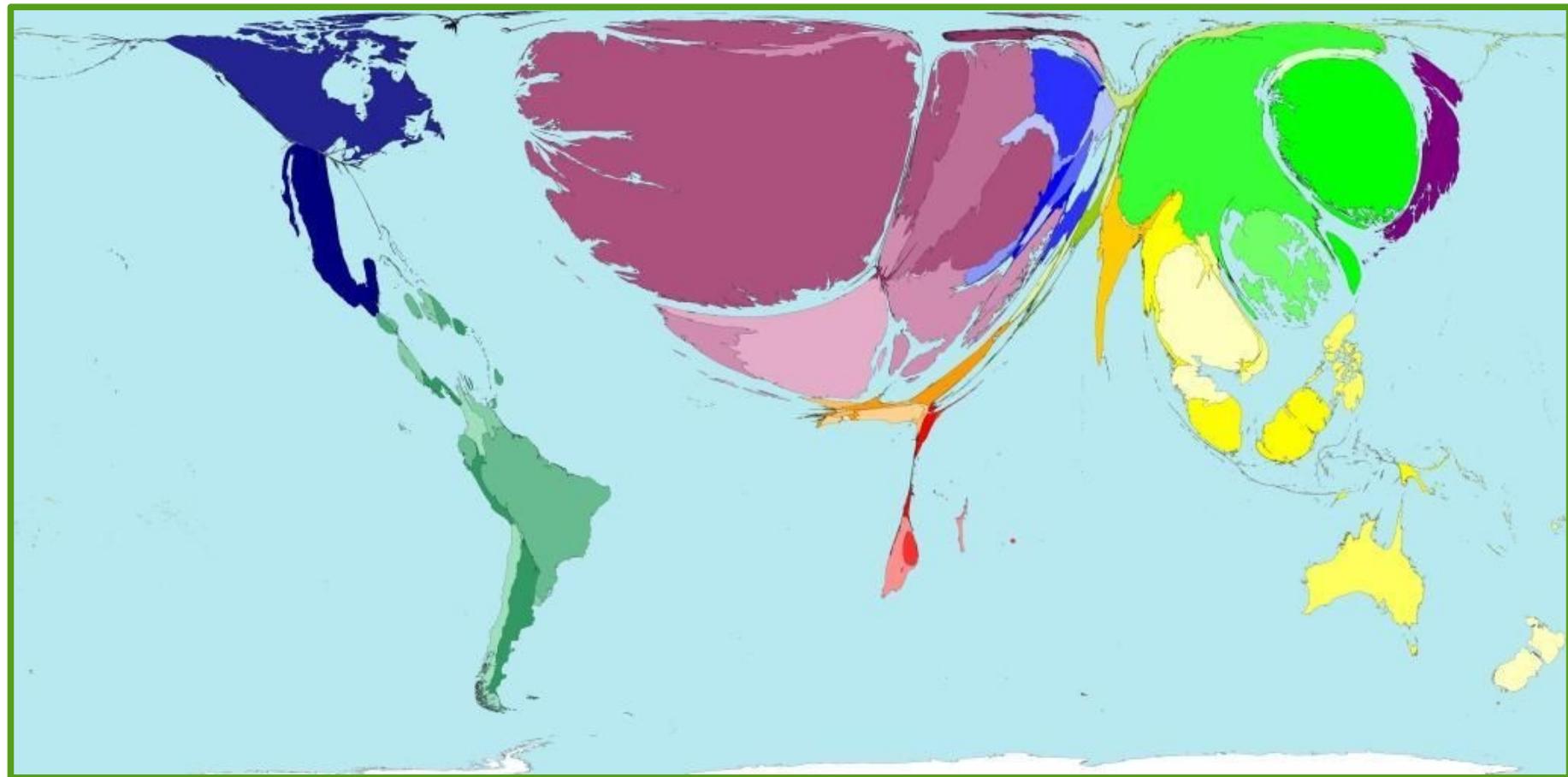
# 人口で表した国

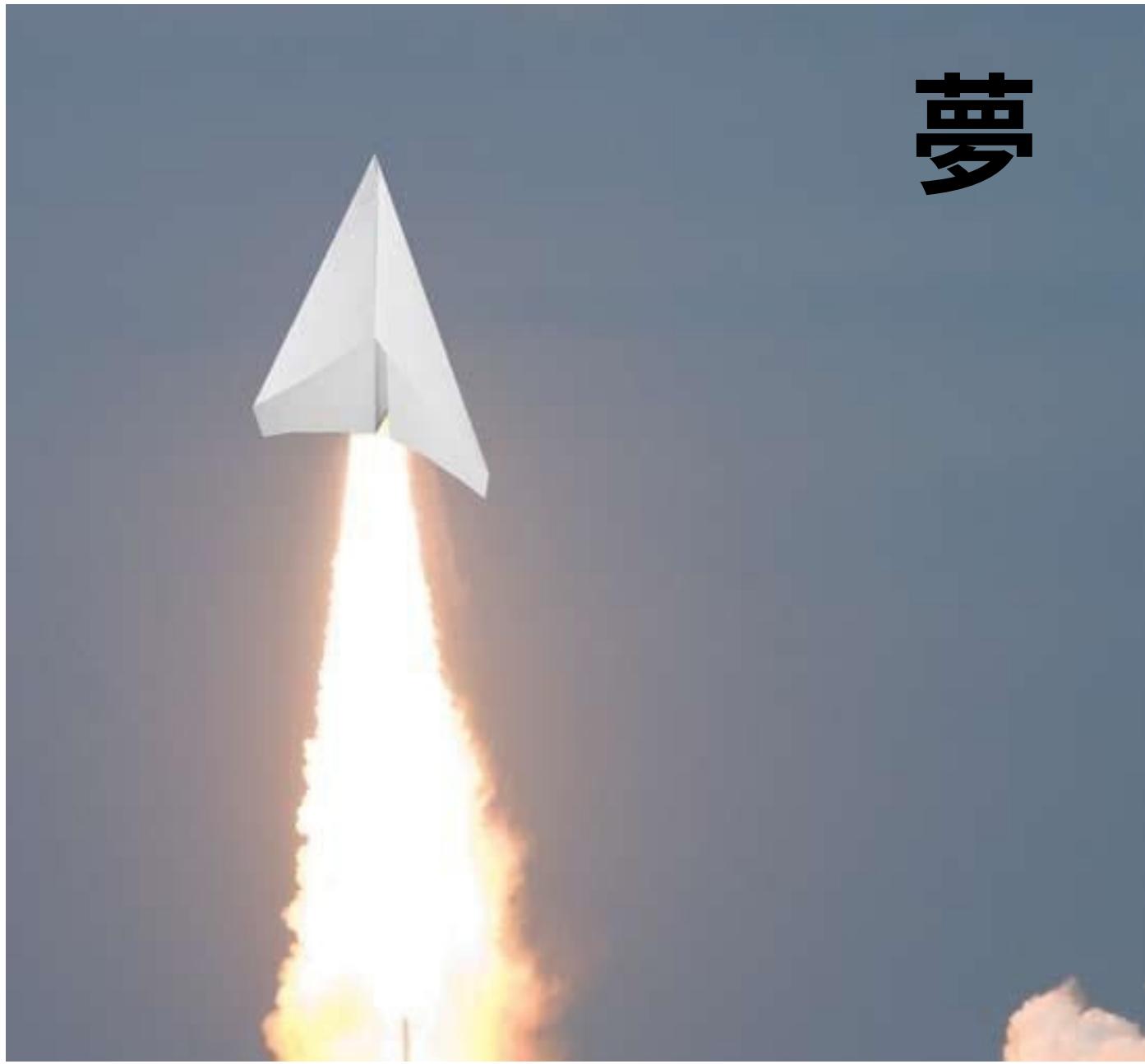


# ソフトウェアライセンスの輸出で



# ソフトウェアライセンスの輸入で







# 10 年の遺産





# OpenOffice の歴史

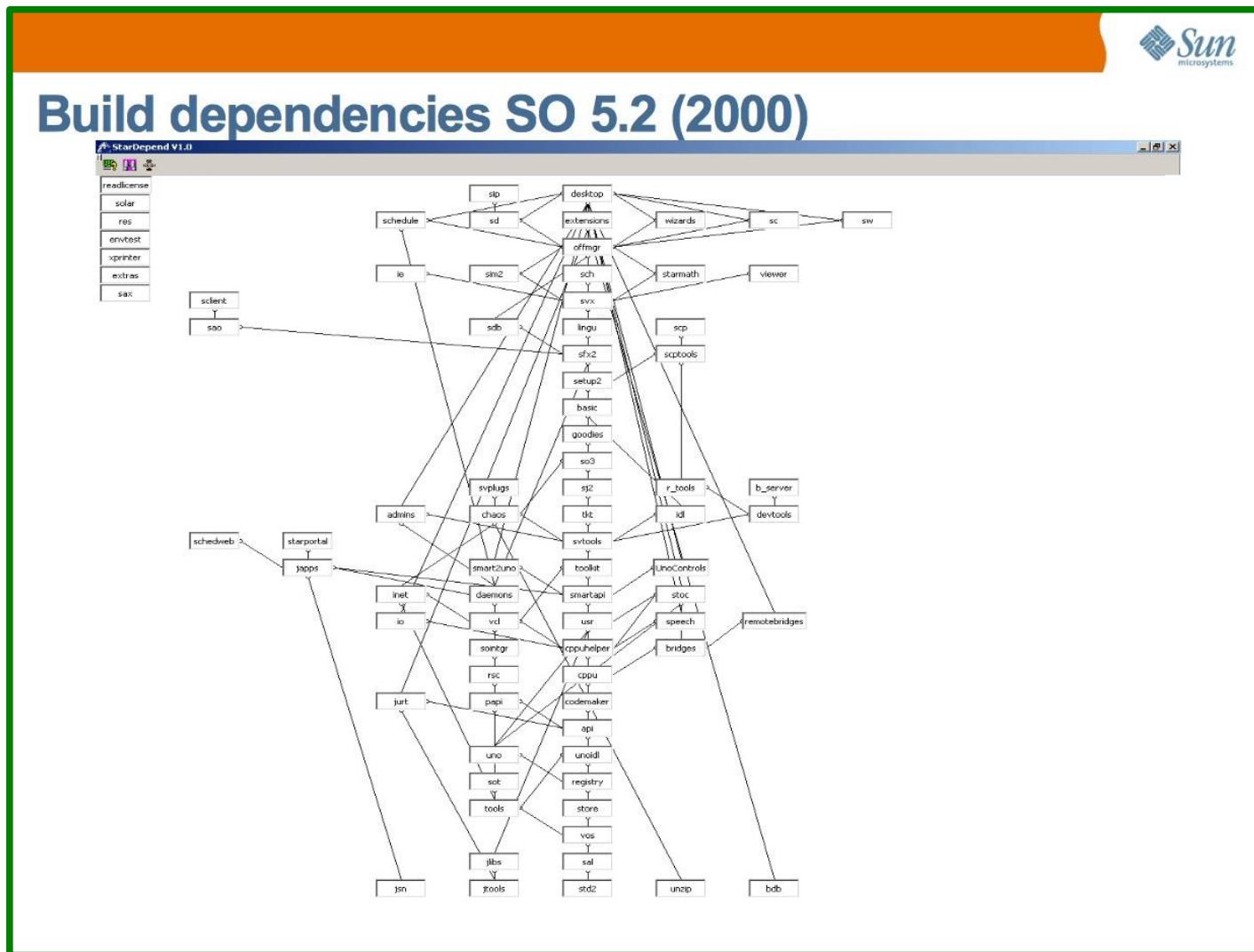
- 1984: 当時 16 歳のマルコ・ボリースがザイログ Z80 搭載 Amstrad CPC および Commodore64 向けに StarWriter をリリース。ついで 8086 ベースの Amstrad PC-1512 に移植
- その後、二つの異なるプログラム - Base と Draw - が加わり、StarWriter は DOS, IBM OS/2, MS Windows 向けの StarOffice 1.0 となる
- StarOffice 3.0 は StarWriter, StarCalc, StarDraw, StarImage, StarChart を提供
- 1999: Sun Microsystems が StarOffice の会社、著作権、商標を買収



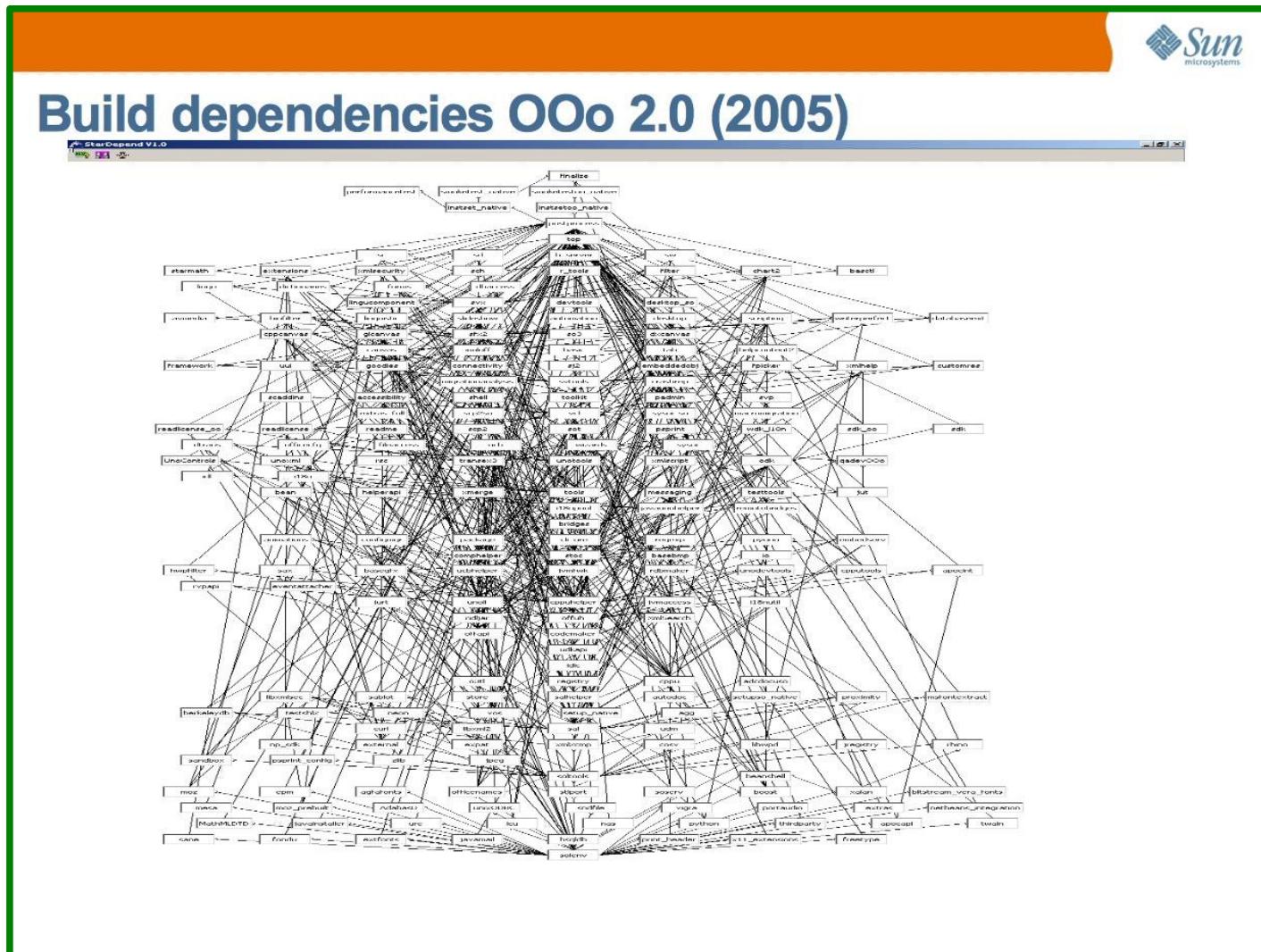
# OpenOffice の歴史

- 2000/7/19: Sun は OSS 開発コミュニティを構築し、 MS Office のフリーでオープンな代替品を提供することを目的とし、 StarOffice のソースコードをリリース
- 2012/5/1: OpenOffice.org 1.0 、 GNU LGPL と SISSL (Sun Industry Standard SW License) のデュアルライセンスでリリース
- 2005/10/20: OpenOffice 2.0 LGPL 単独ライセンスでリリース
- 2008/10: OpenOffice 3.0 リリース

# 2000, スリムだった 00°



# 2005, デブってしまった 000



# 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

これは  
LIBREOFFICE  
で達成された

# 2009: Oracle, Sun を買収

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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## イノベーションの再始動 フォーク（分岐）の視覚的表現

コミュニティはイノベーションの再始動に舵を切り、強固なエコシステムに裏打ちされた自己継続可能なプロジェクトを作ることにした

**OpenOffice**

Sun とコミュニティによる 10 年もの継続的な成長後の、Oracle によるプロジェクト打ち切りのリスク

**LibreOffice**

*today*

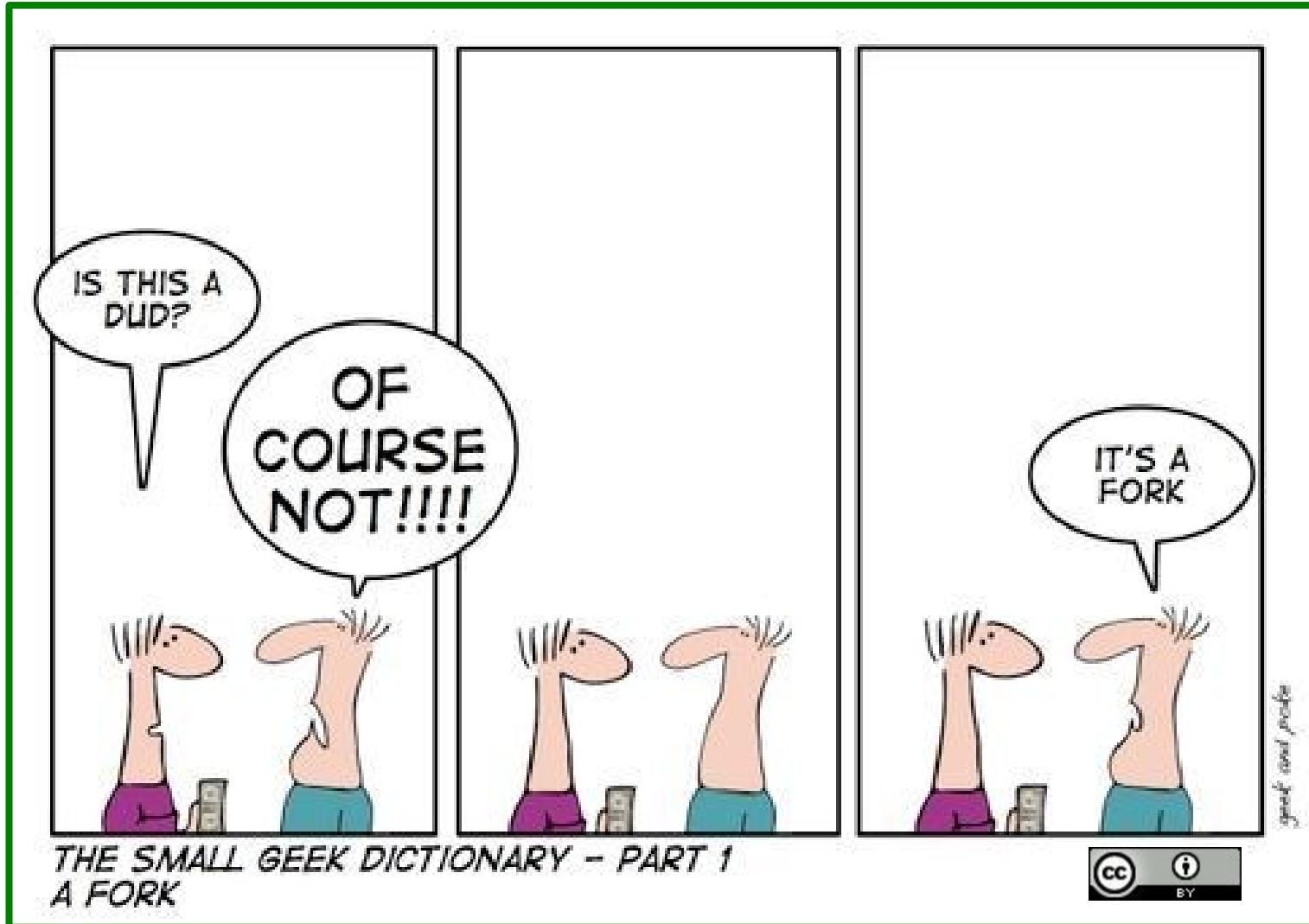
# 最初の晚餐



ブタペスト , 2010/9/2



# 2010年9月28日



翻訳者注：すみませんあきらめました



# 2010年9月28日

## OpenOffice.org コミュニティ、 The Document Foundation を告知

OpenOffice.orgを開発、啓蒙してきたボランティアのコミュニティは、このプロジェクトのさらなる成長のため独立した財団の設立を行う

このソフトウェアを前進するため、  
ブランド「LibreOffice」が選ばれた

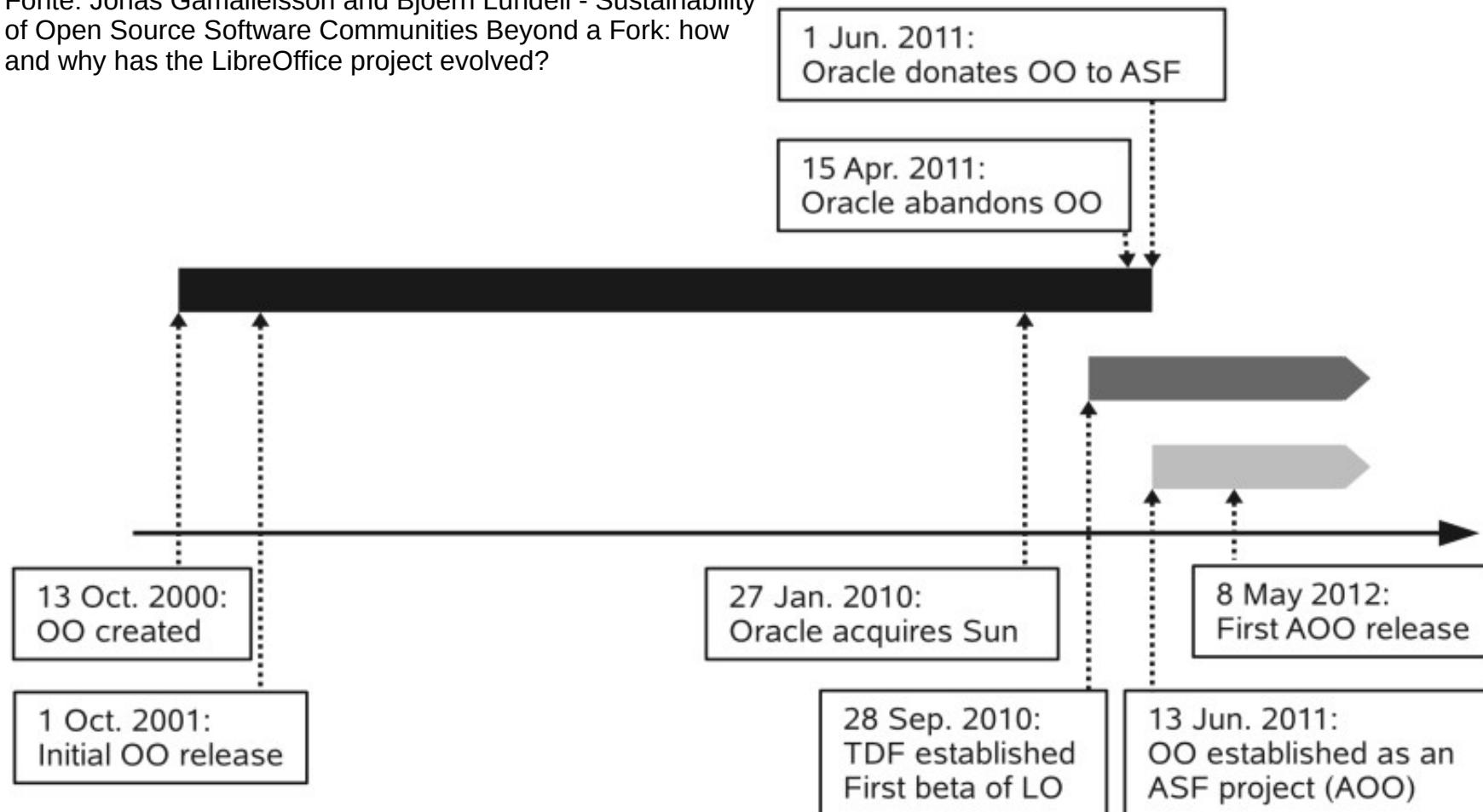


# LibreOffice 2020



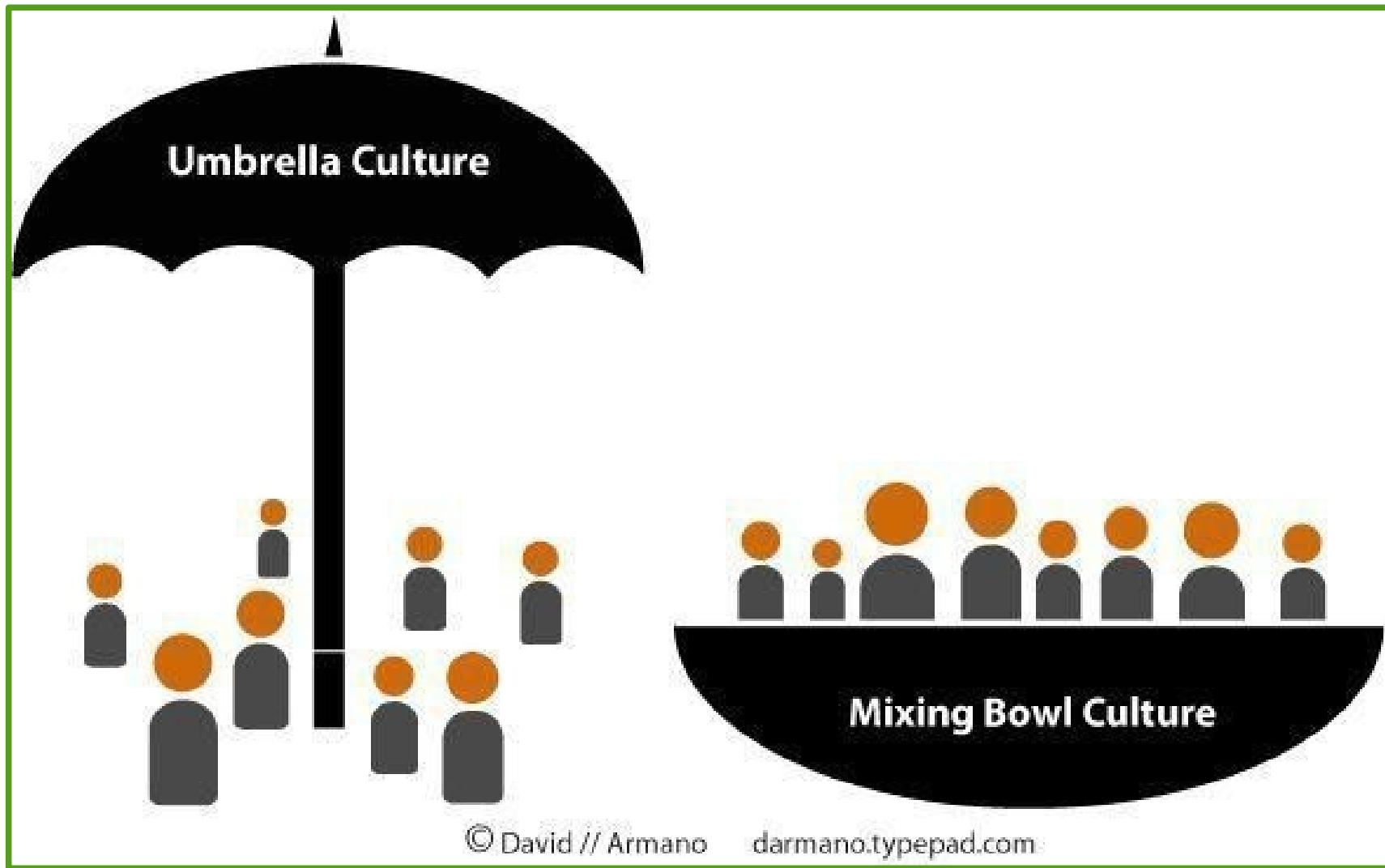
# OpenOffice のフォーク

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





# パラダイムの逆転



# 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



創立の原則

コピーレフトライセンス

貢献者同意書なし

成果主義

コミュニティガバナンス

ベンダー独立

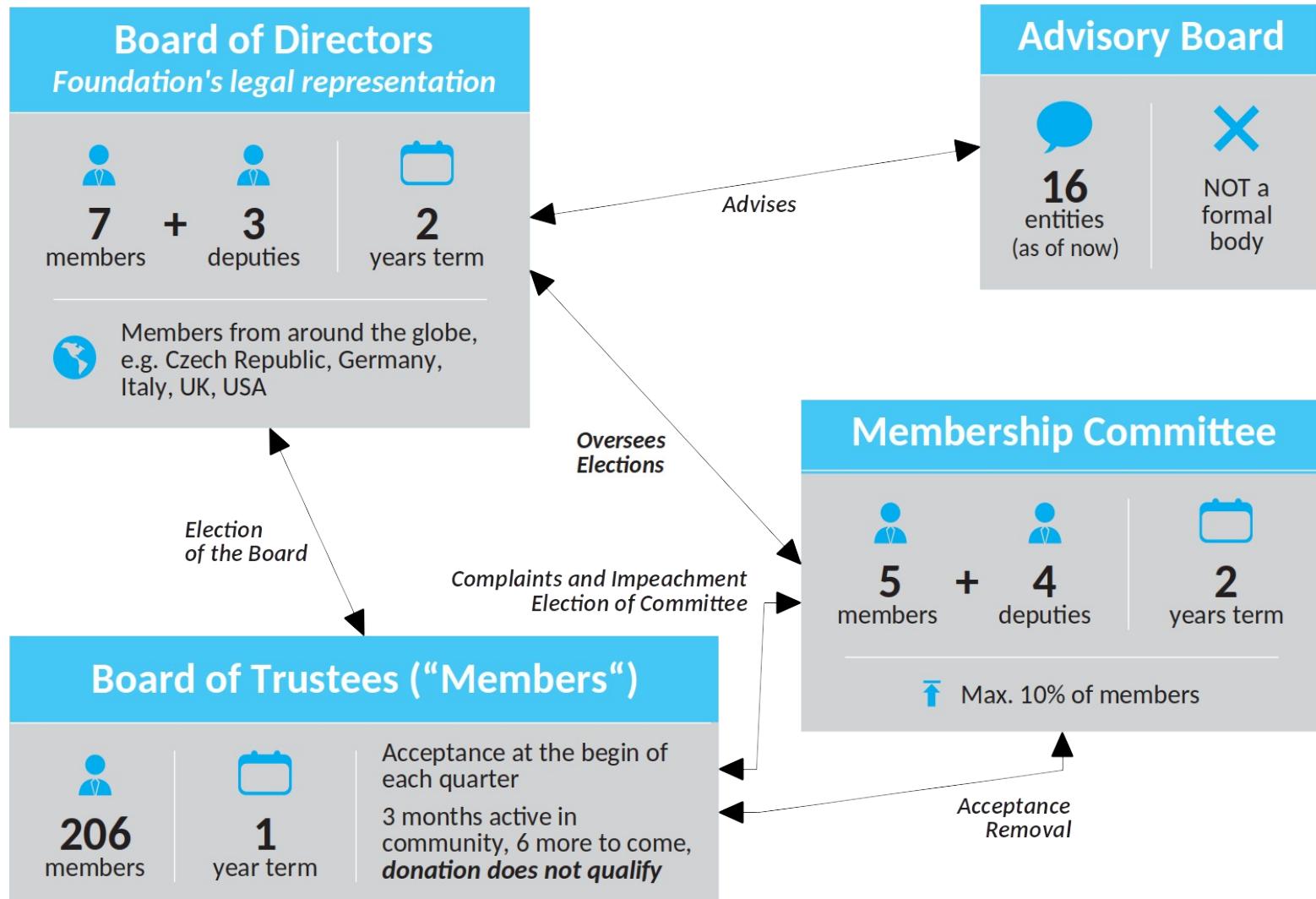


# The Document Foundation

The Document Foundation は  
フリーソフトウェアを啓蒙し  
ソフトウェア利用者の自由を啓蒙し  
ドキュメントの自由を啓蒙し  
オープンな標準を啓蒙し  
LibreOffice を開発する  
ために生まれた

# The Document Foundation

TDF IS BASED ON THE PRINCIPLE OF MERITOCRACY

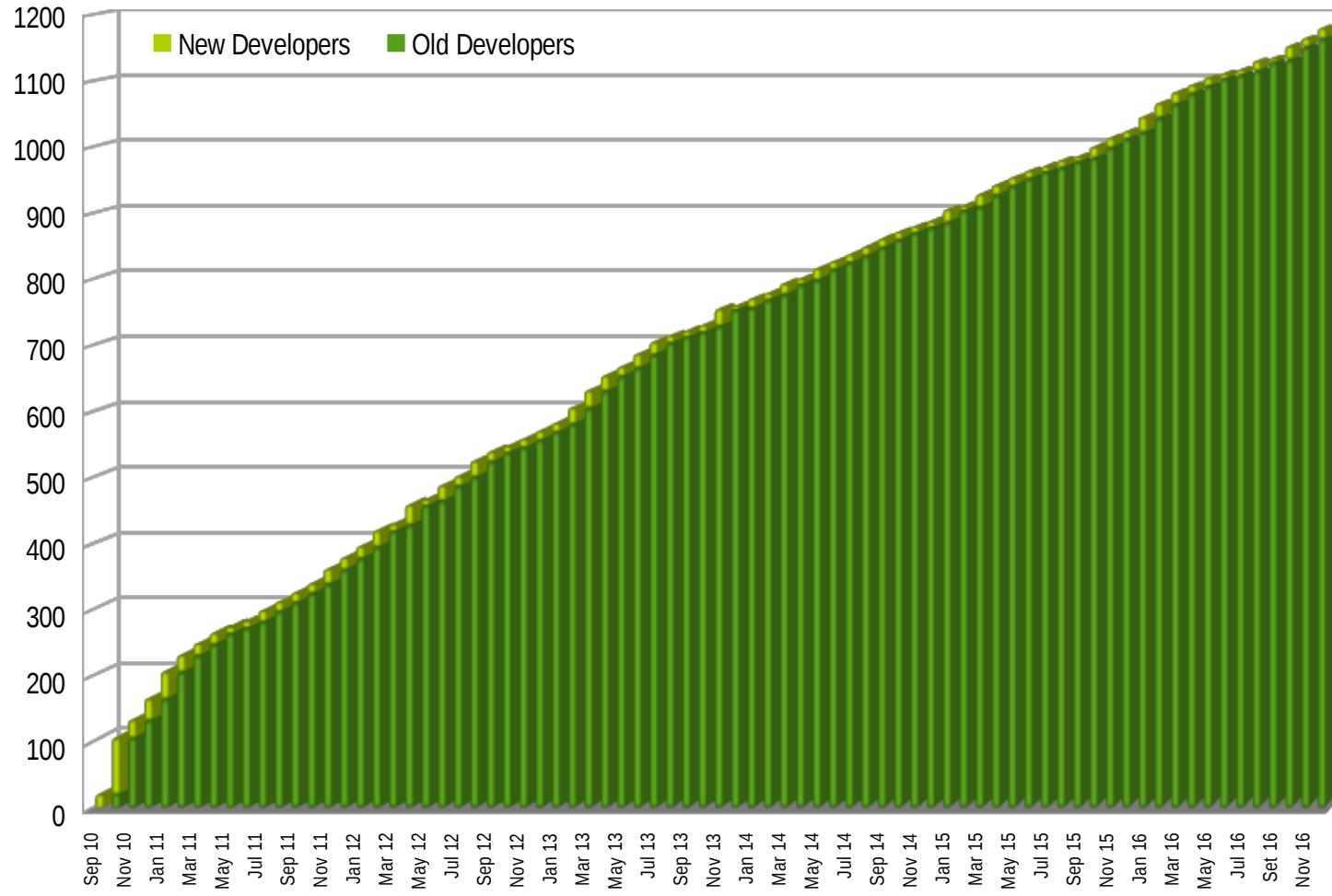




# LibreOffice の主な財産

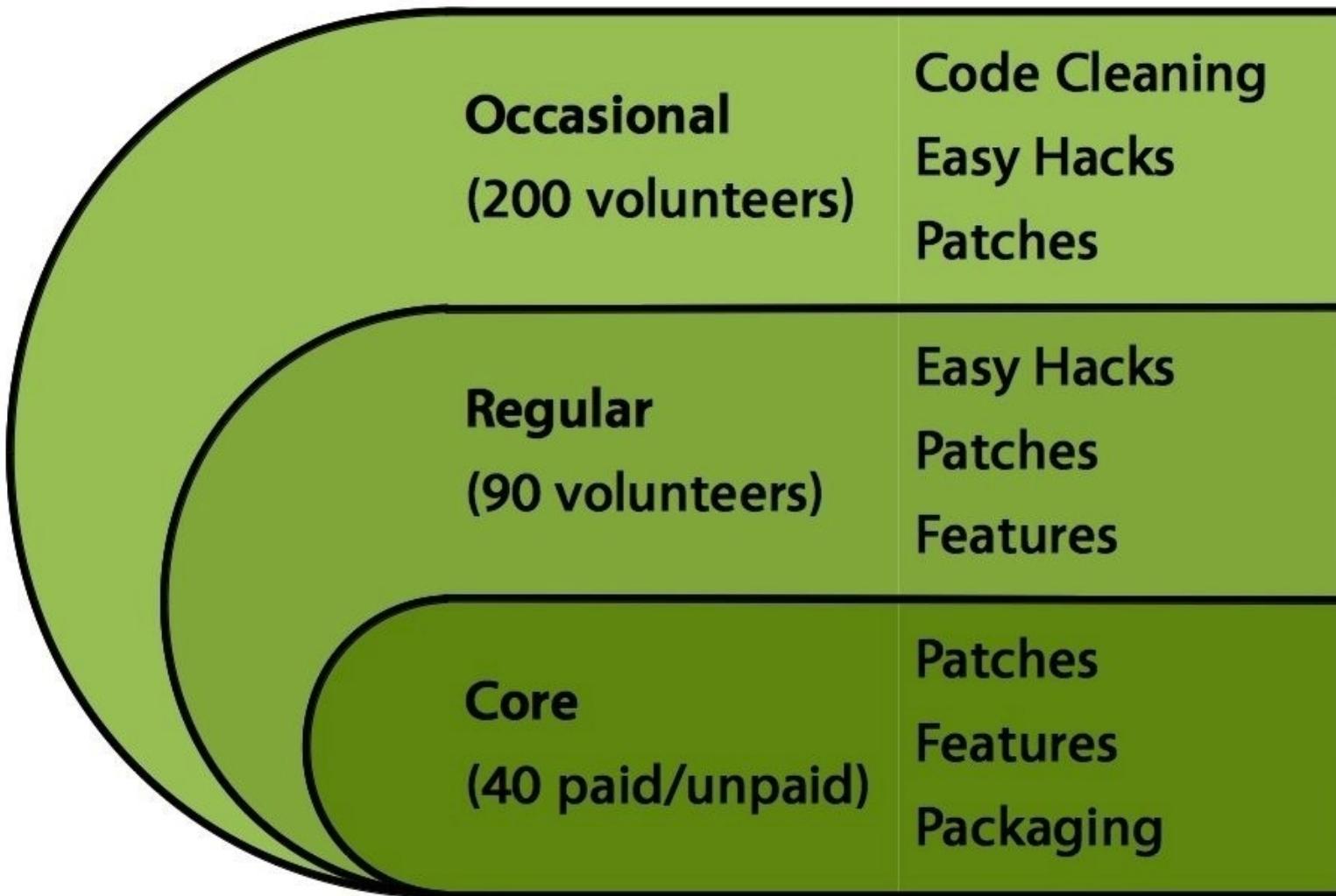


## Serial Growth of LibreOffice Developers

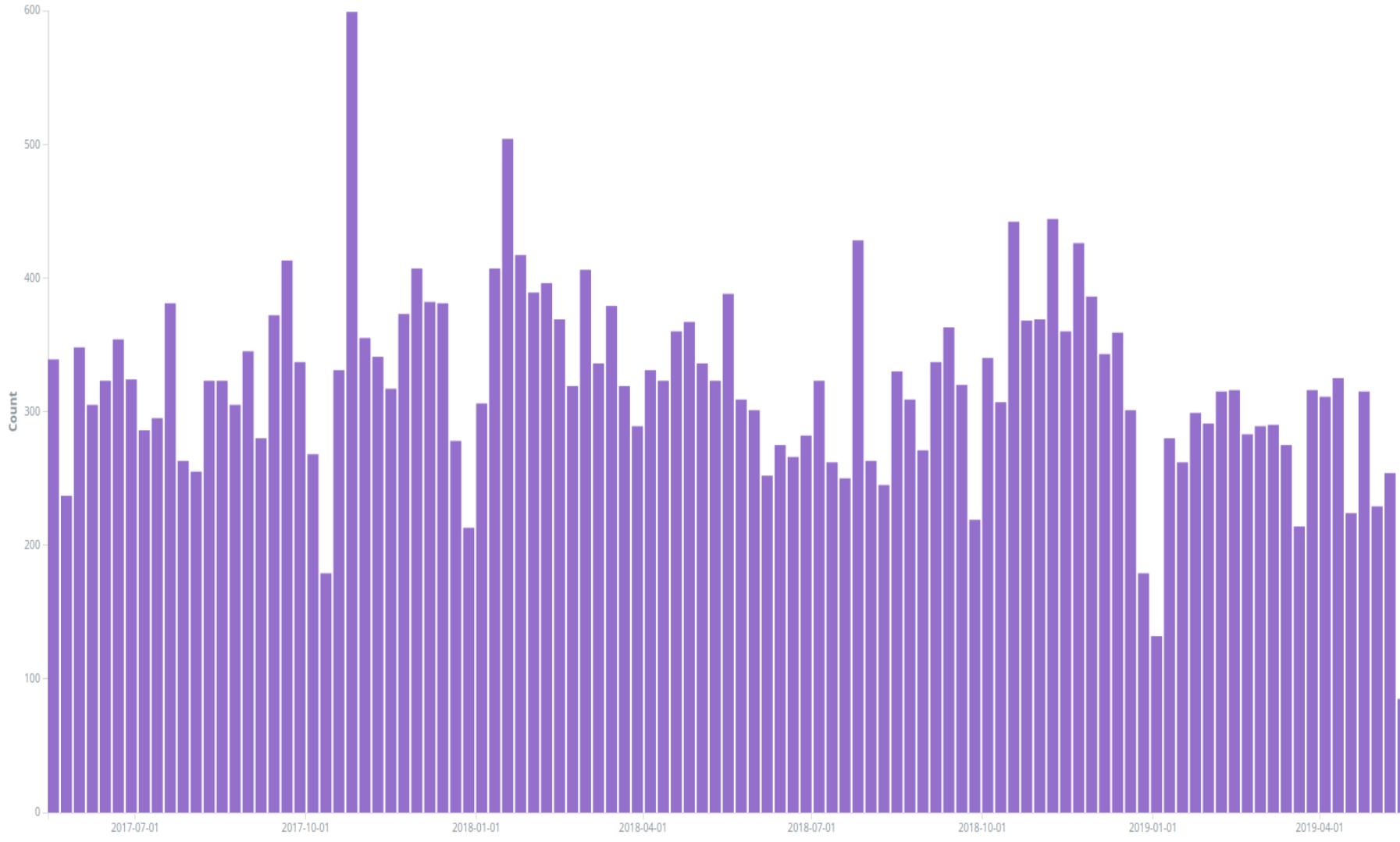




## LibreOffice Code Contributors



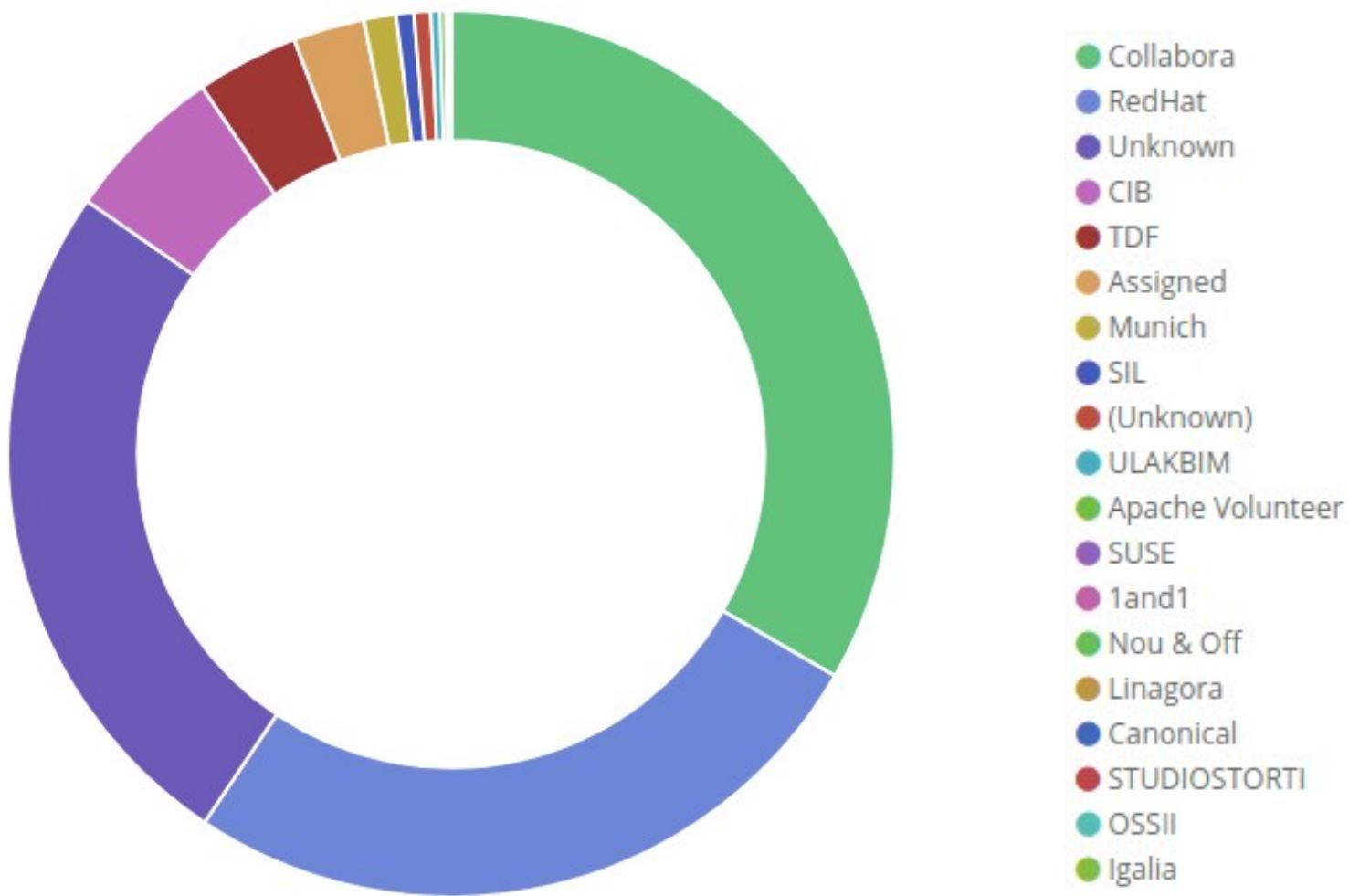
# Git Commits in 2019 YTD





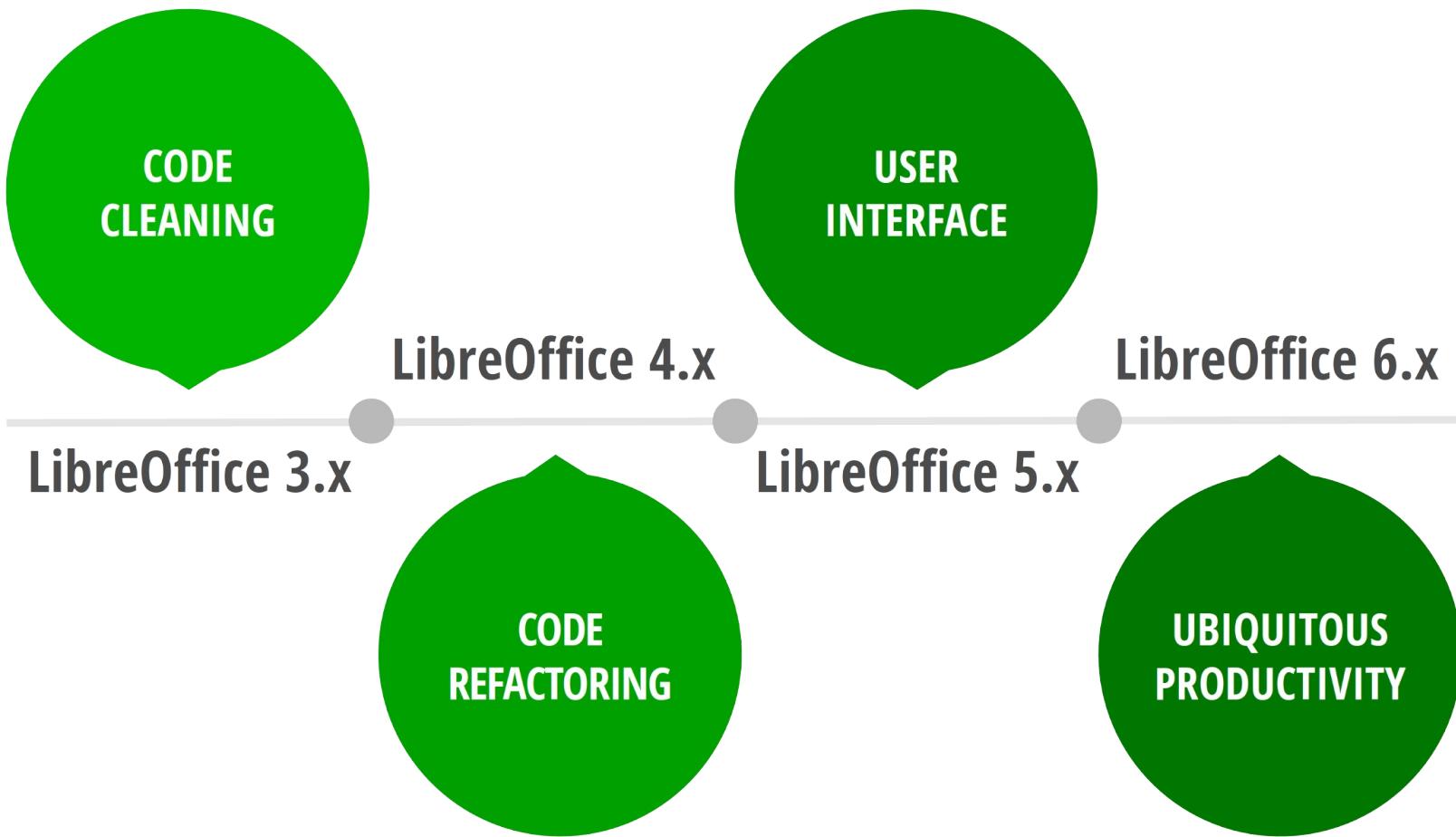
# Contributions by Orgs 2019 YTD

Source: TDF Dashboard





# Development Cycles





# Coverity Scan

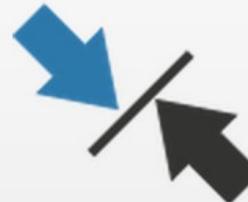
## DEFECTS WE FIND INCLUDE



Crashes



Security  
Vulnerabilities



Concurrency



Memory  
Corruption



Uninitialized  
memory

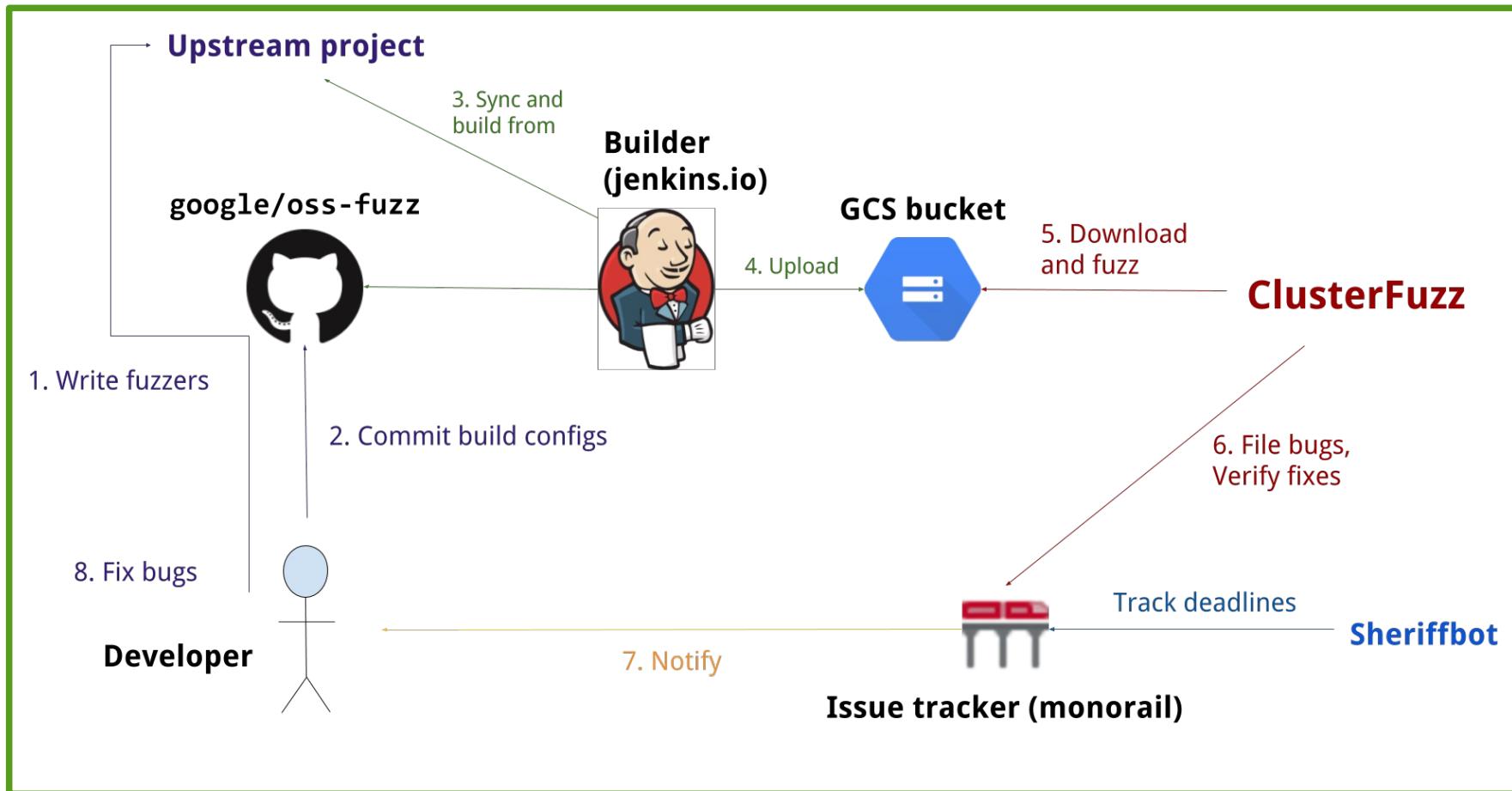


Error handling



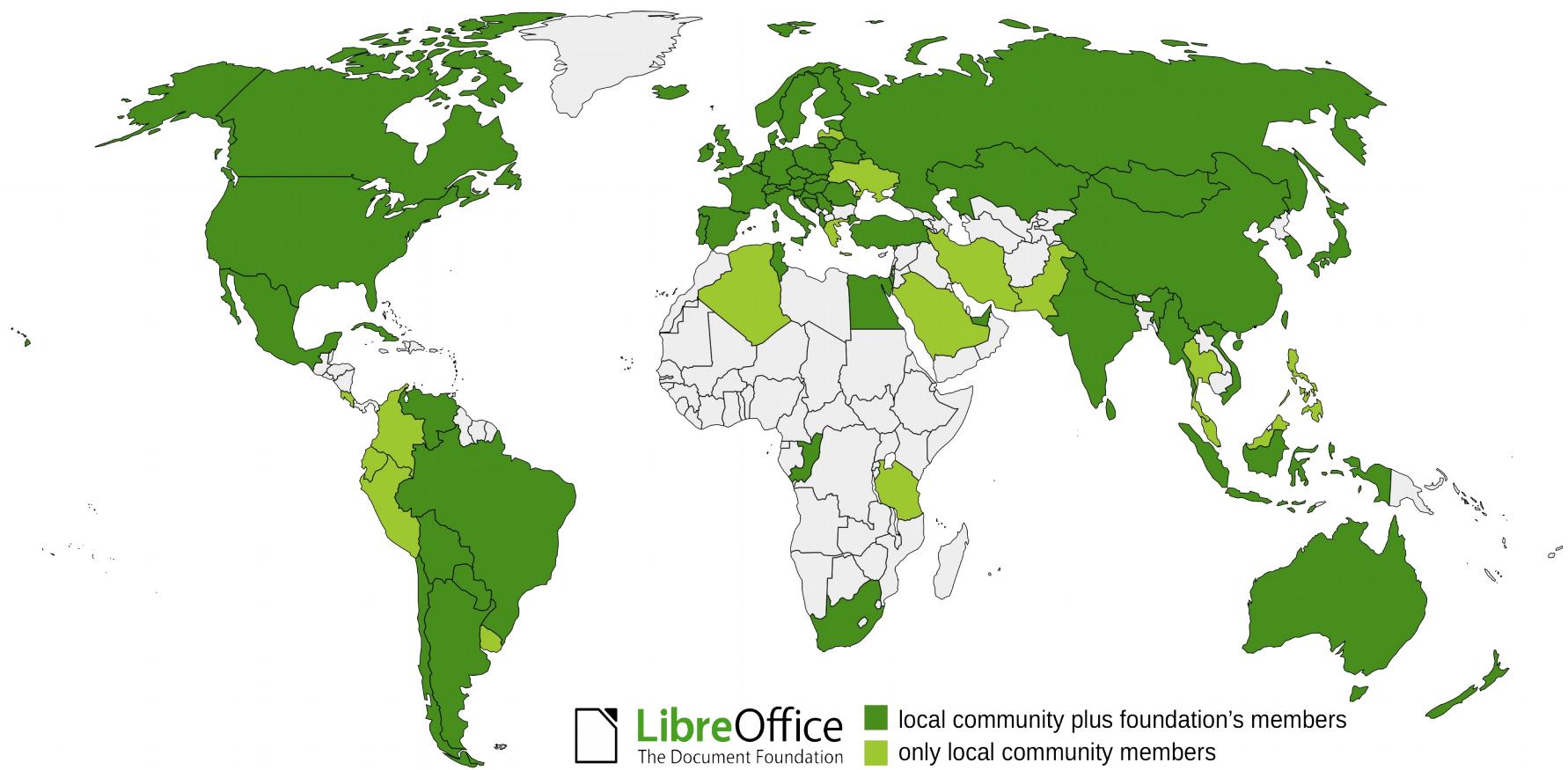
Resource leaks

# Google's OSS-Fuzz



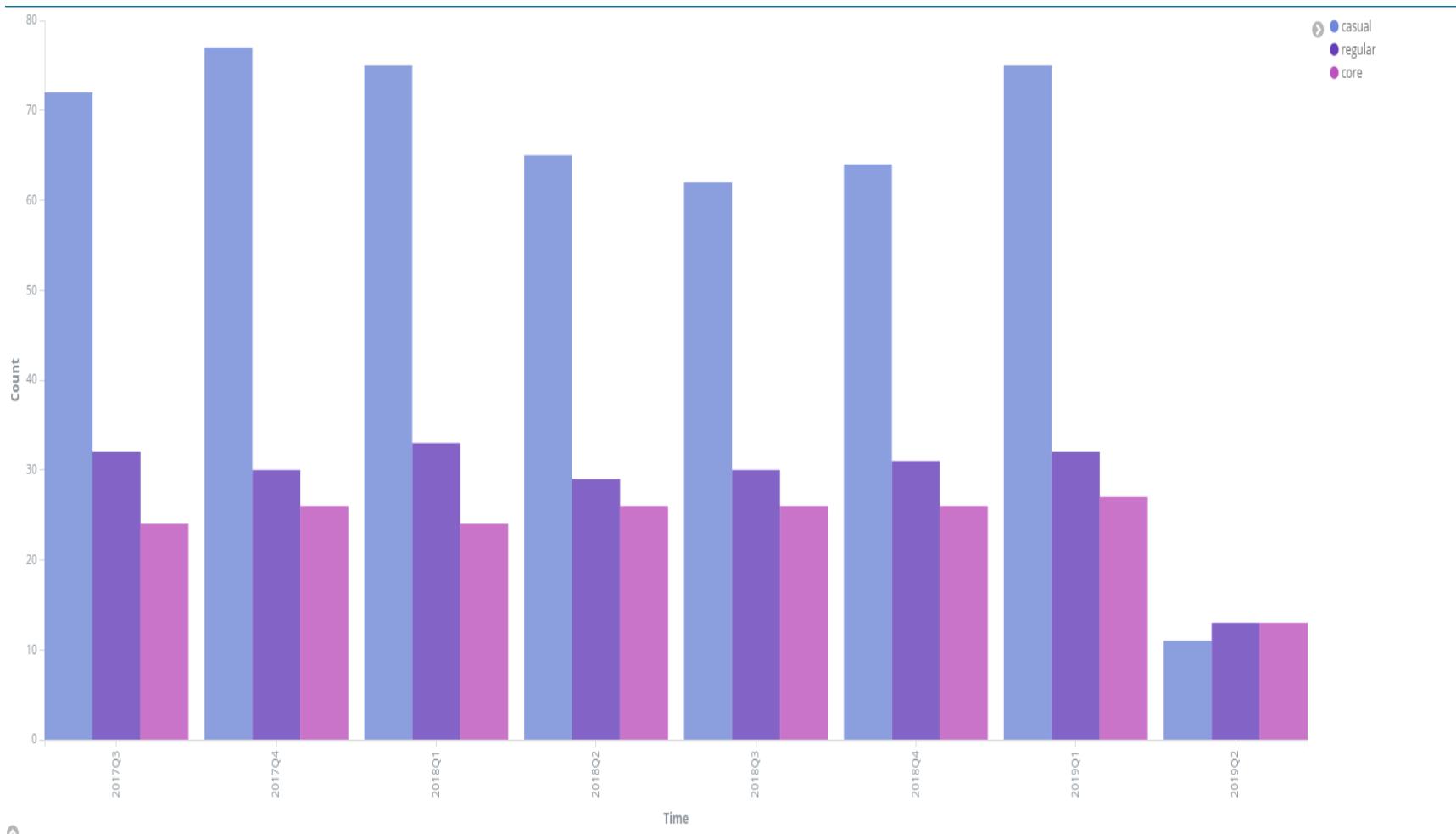


# 知られている LibreOffice の コミュニティ

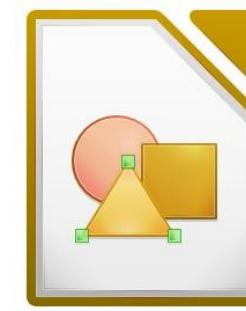


# 最新 12 ヶ月のコミュニティ

Source: TDF Dashboard



# LibreOffice



# オープンソースソフトウェア



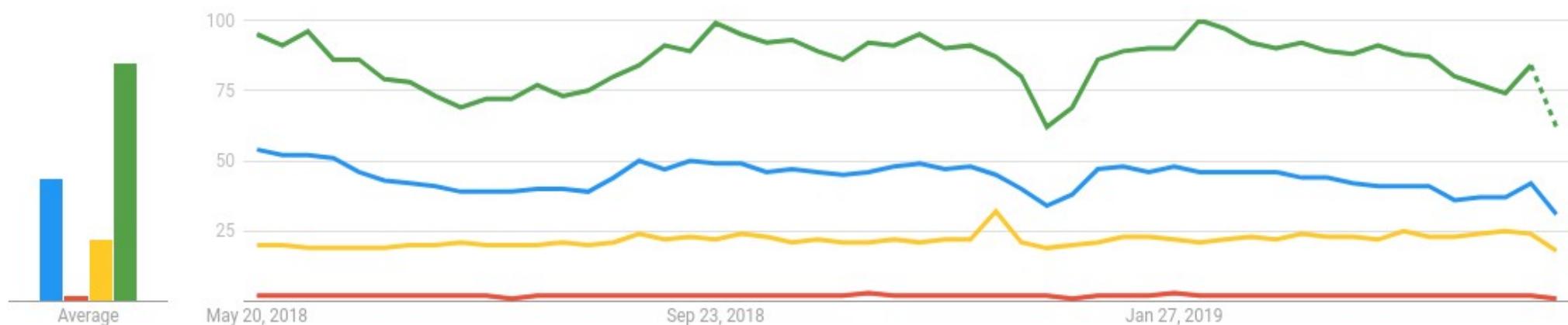
# LibreOffice の位置



# Google Trends

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

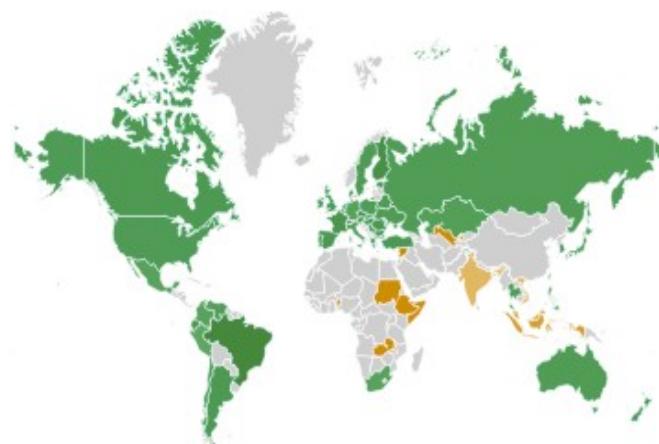
# 最新 12 ヶ月



## Compared breakdown by region

Region

● openoffice ● onlyoffice ● wps office ● libreoffice



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

Sort: Interest for libreoffice

1	Brazil	
2	Finland	
3	Czechia	
4	Estonia	
5	Israel	



# LibreOffice ユーザー数（予測）

全世界のユーザー数については、世界の PC ユーザー数が 20 ~ 30 億 (90% Windows, 8% macOS, 2% Linux) であることから、以下のように見積もっています：

- デスクトップ Linux ユーザーの 100% ( 4~6 千万)
- デスクトップ Windows ユーザーの 10% ( 1.8~2.7 億)
- デスクトップ macOS ユーザーの 10% ( 1.6 ~ 2.4 千万)
- 10% of desktop macOS users (between 16 and 24 million)

低い方の数字を採用して、全世界に 2 億 3 千 6 百万ユーザーとなり、重複を鑑みて値を切り捨て、2 億ユーザーと見込んでいます。



# LibreOffice Fresh vs Still

- The Document Foundation は二つの平行な LibreOffice ブランチを提供しています：
- **LibreOffice Fresh ( 最新版)**
  - アーリーアダプターやパワーユーザー向け
- **LibreOffice Still ( 安定版)**
  - エンタープライズや安定志向のユーザー向け
- 両方とも、異なるユーザー層に最高クラスのソフトウェアを提供するために並行してメンテナンスされています



# LibreOffice Fresh vs Still

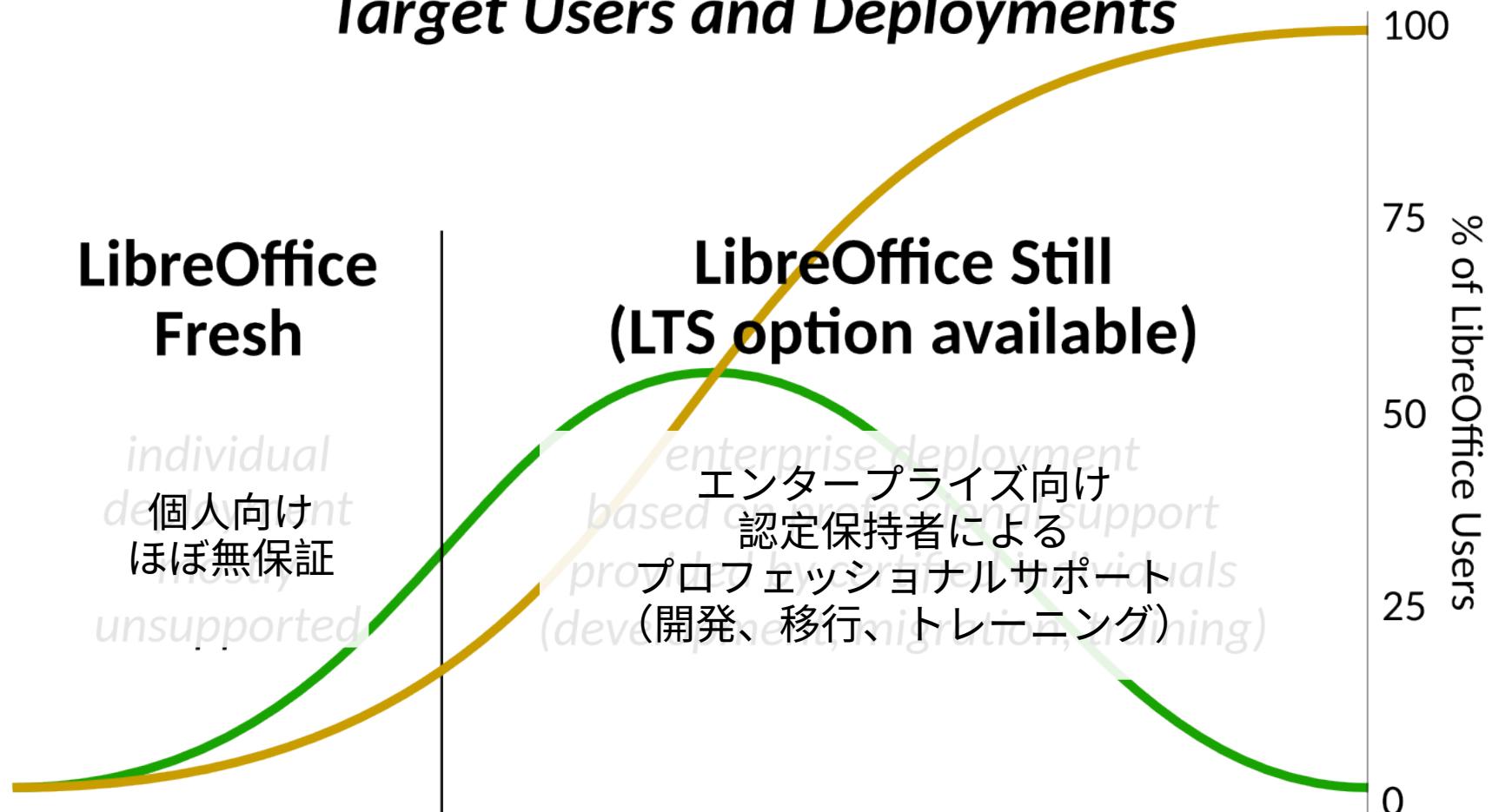
## Target Users and Deployments

**LibreOffice  
Fresh**

*individual deployment*  
個人向け  
ほぼ無保証  
*unsupported*

**LibreOffice Still  
(LTS option available)**

*enterprise deployment*  
認定保持者による  
プロフェッショナルサポート  
(開発、移行、トレーニング)



Early Adopters

*Individuals*

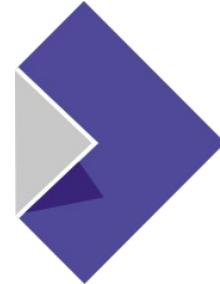
Deployment for Production

*Professionals, SMBs and Enterprises*

# LTS バージョンの提供企業

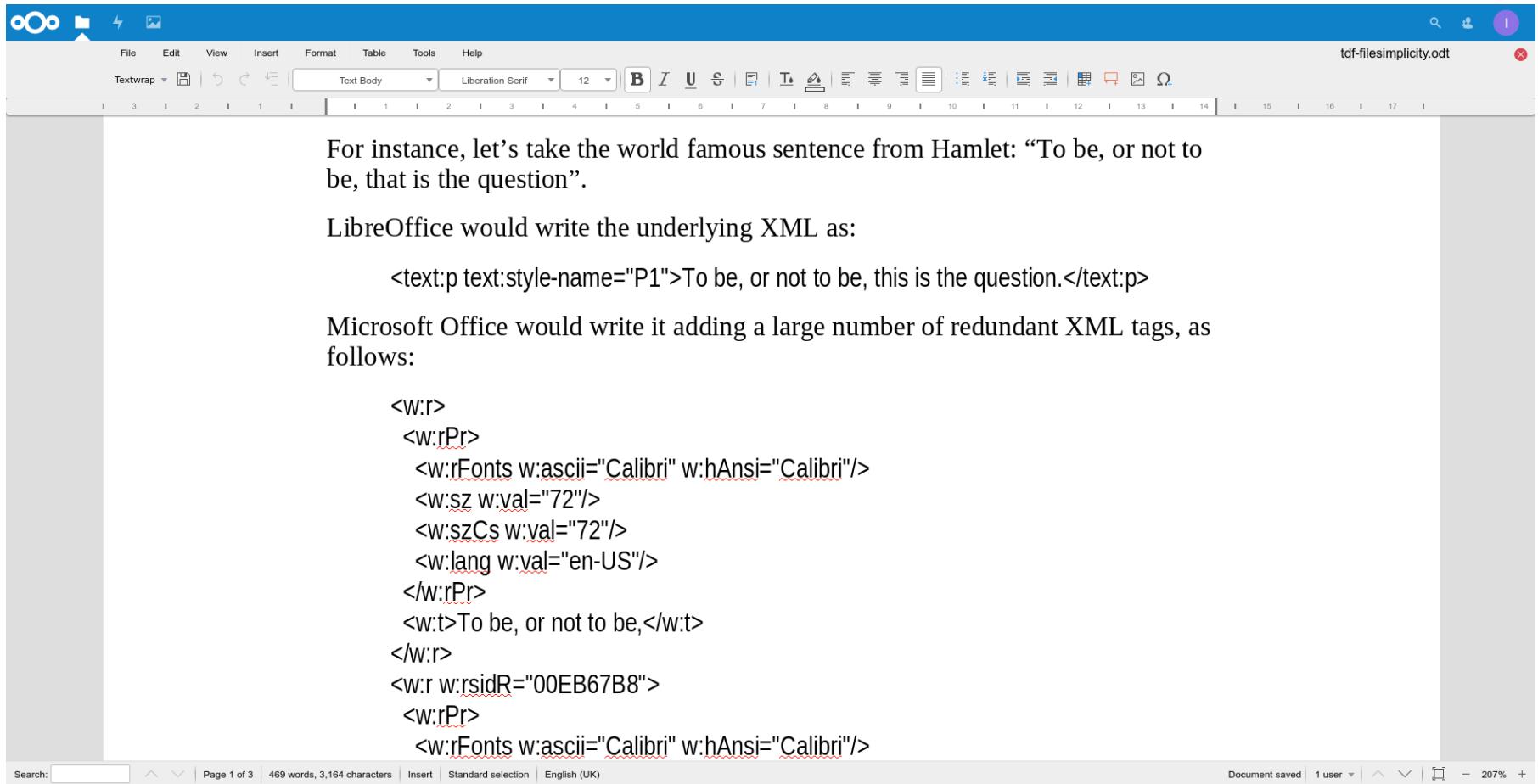


CIB<sup>+</sup>



Collabora Productivity

# LibreOffice Online Writer



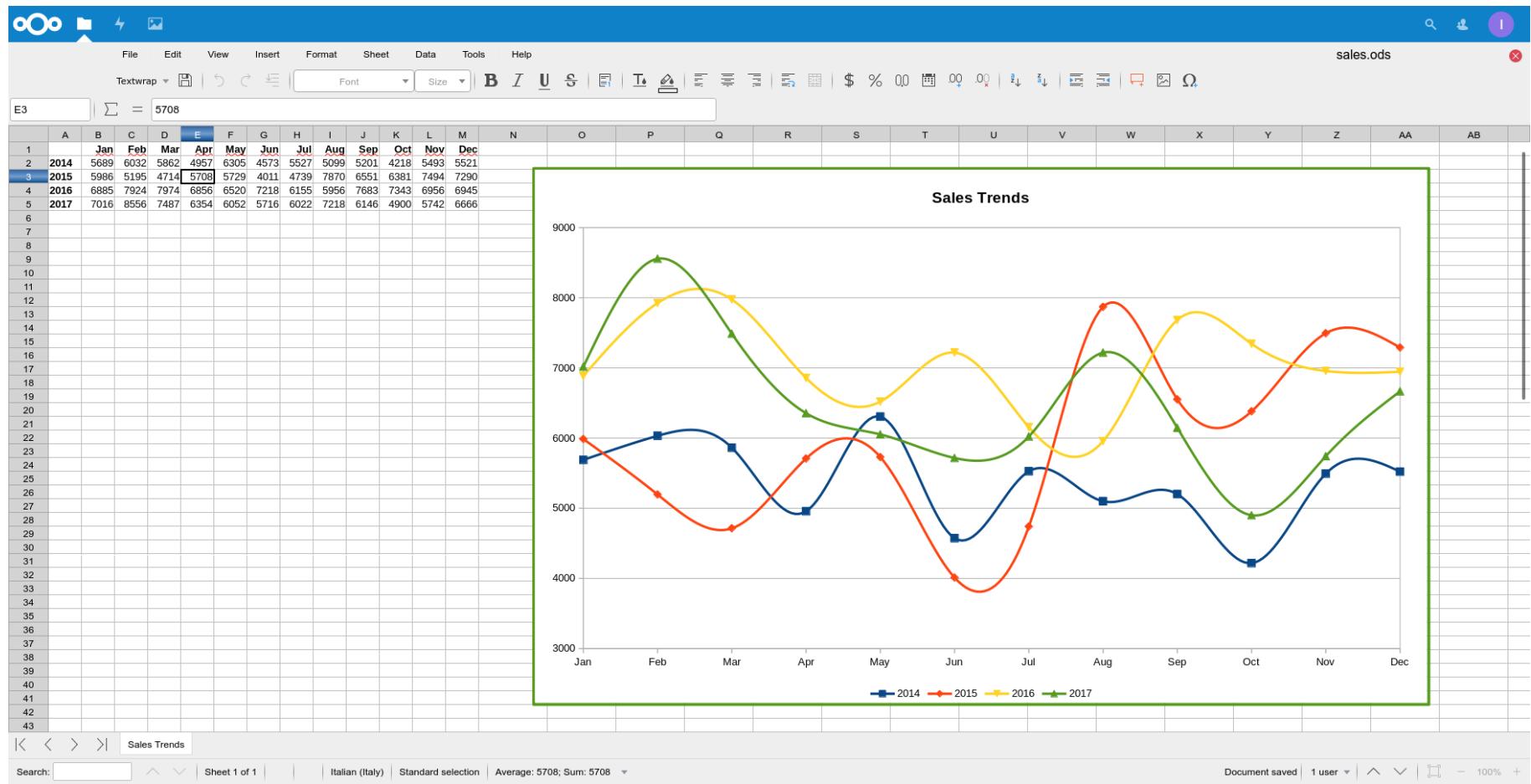
The screenshot shows the LibreOffice Online Writer interface with a blue header bar containing file menu options like File, Edit, View, Insert, Format, Table, Tools, and Help. Below the header is a toolbar with various icons for text styling and document manipulation. The main content area displays the sentence "To be, or not to be, this is the question". The status bar at the bottom provides document statistics: Page 1 of 3, 469 words, 3,164 characters, and language settings for English (UK). The XML representation of the text is shown below the sentence:

```
<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"/>
```

# LibreOffice Online Calc

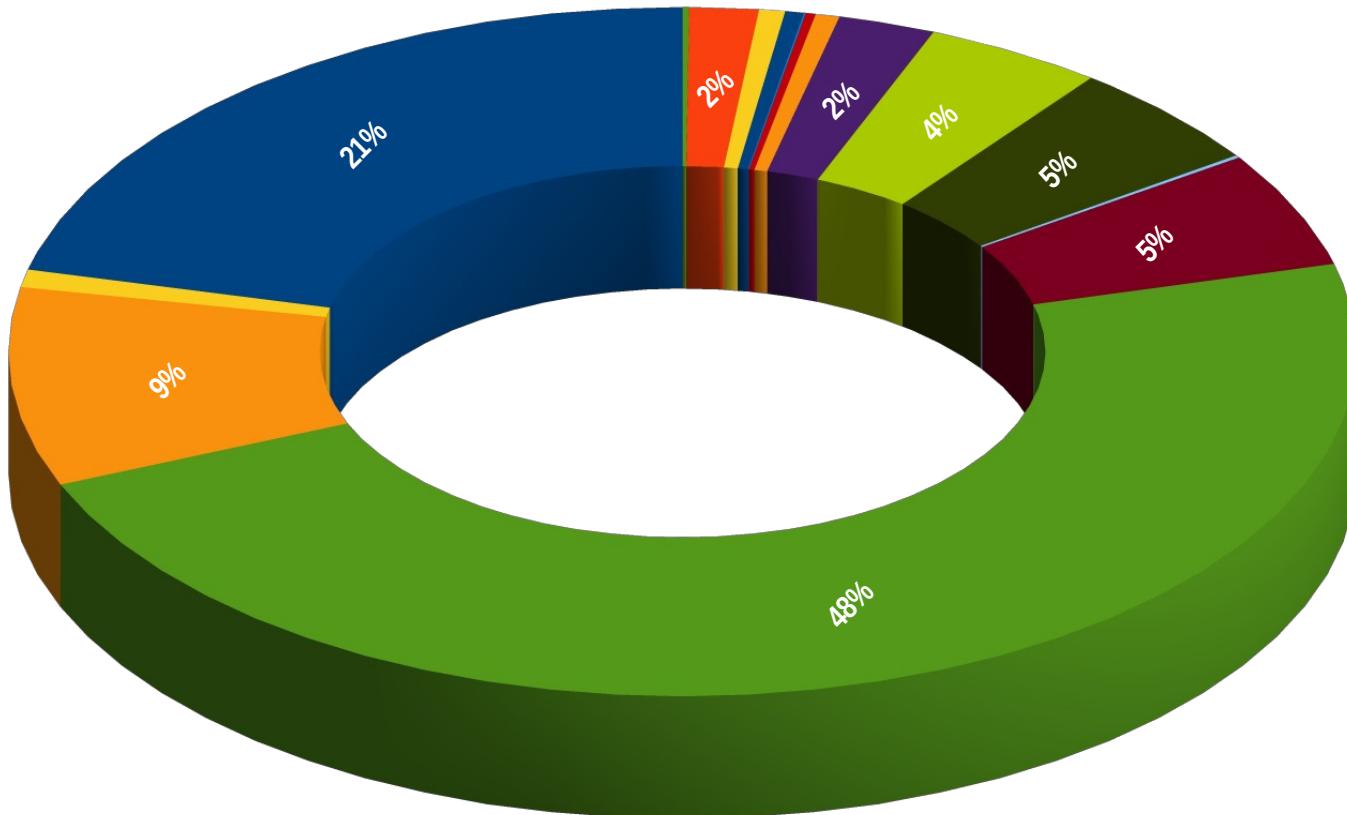




# 未来

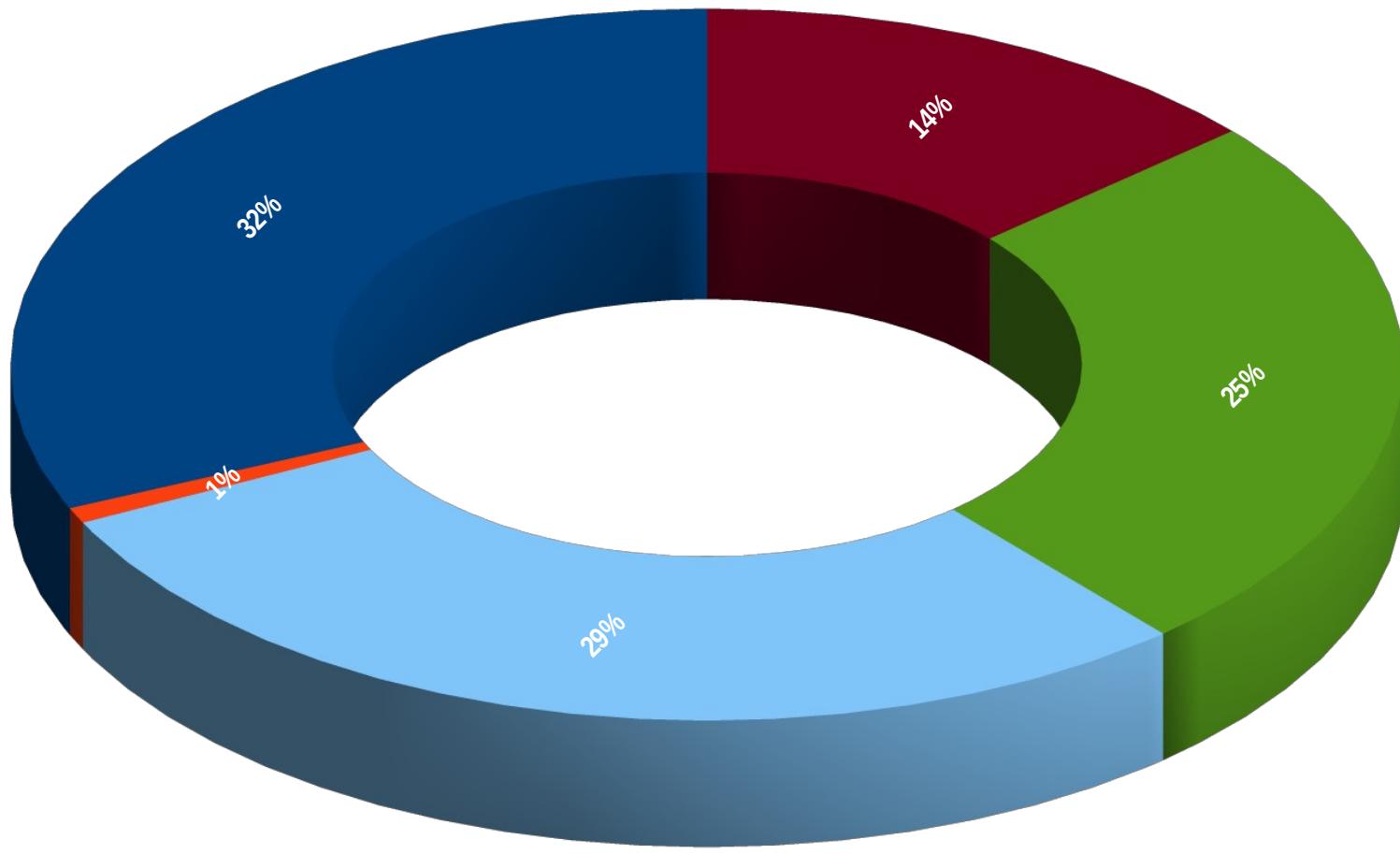
- 私たち全員が、オープンソースソフトウェアを用いたグローバルなエコシステムを構築することに寄与できます
- 貢献とはグローバルなコミュニティに対して知識を共有することです
- 私たちが良いとすることには限界はありません：FOSS はすべての種類のスキルを必要とするのです

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

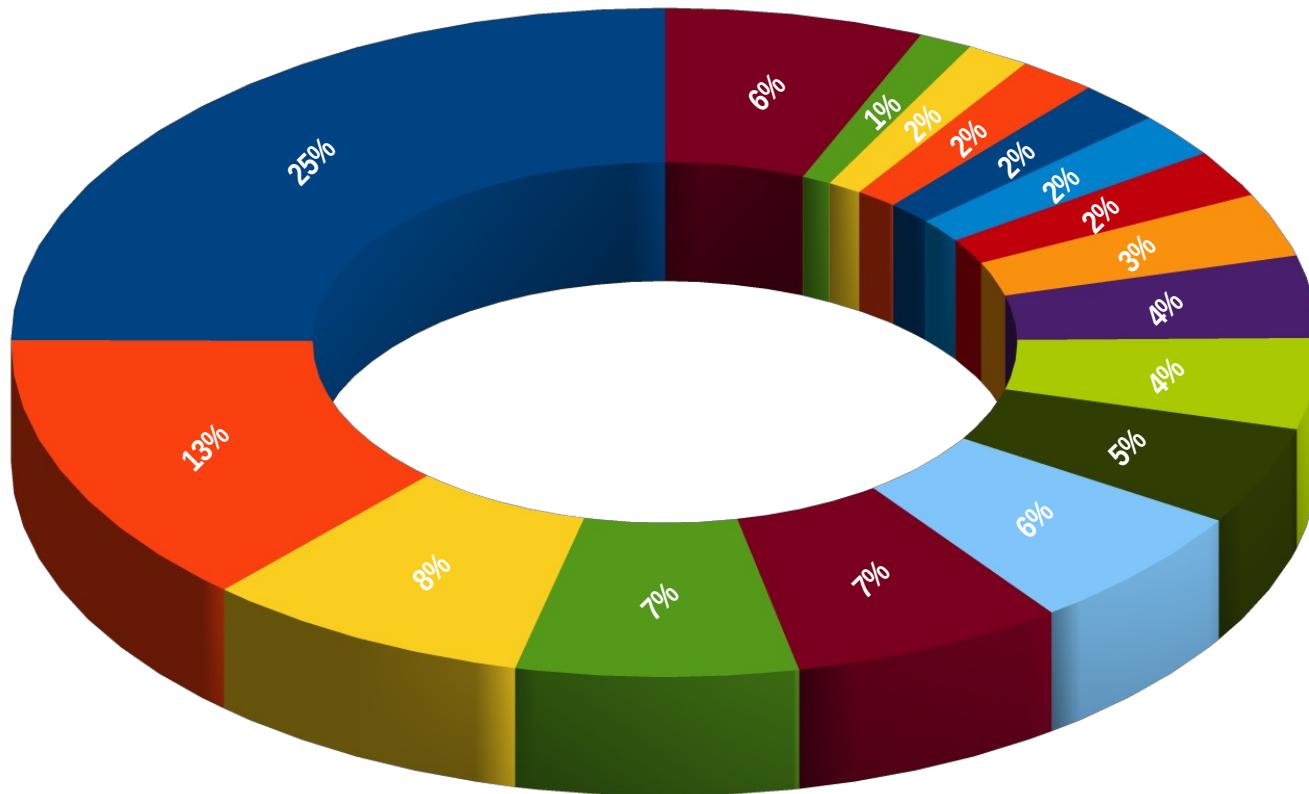


■ North America ■ Central America ■ South America ■ Europe ■ East Asia ■ Central Asia  
■ South Asia ■ SE Asia ■ Western Asia ■ North Africa ■ West Africa ■ Central Africa  
■ East Africa ■ Southern Africa ■ Oceania ■ Unknown

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



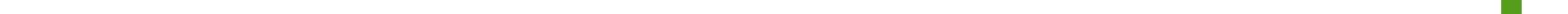
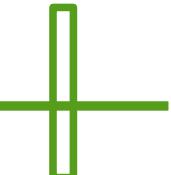
## Visits to Download Page from Countries in Asia (January / April 2019)



Legend (Country: Percentage):  
India (Dark Blue), Japan (Orange), Indonesia (Yellow), China (Green), Turkey (Maroon), Philippines (Light Blue),  
Taiwan (Dark Green), Thailand (Light Green), South Korea (Purple), Saudi Arabia (Orange), Malaysia (Red),  
Hong Kong (Dark Blue), Vietnam (Dark Blue), Pakistan (Orange), Singapore (Yellow), Israel (Green), Others (Maroon)



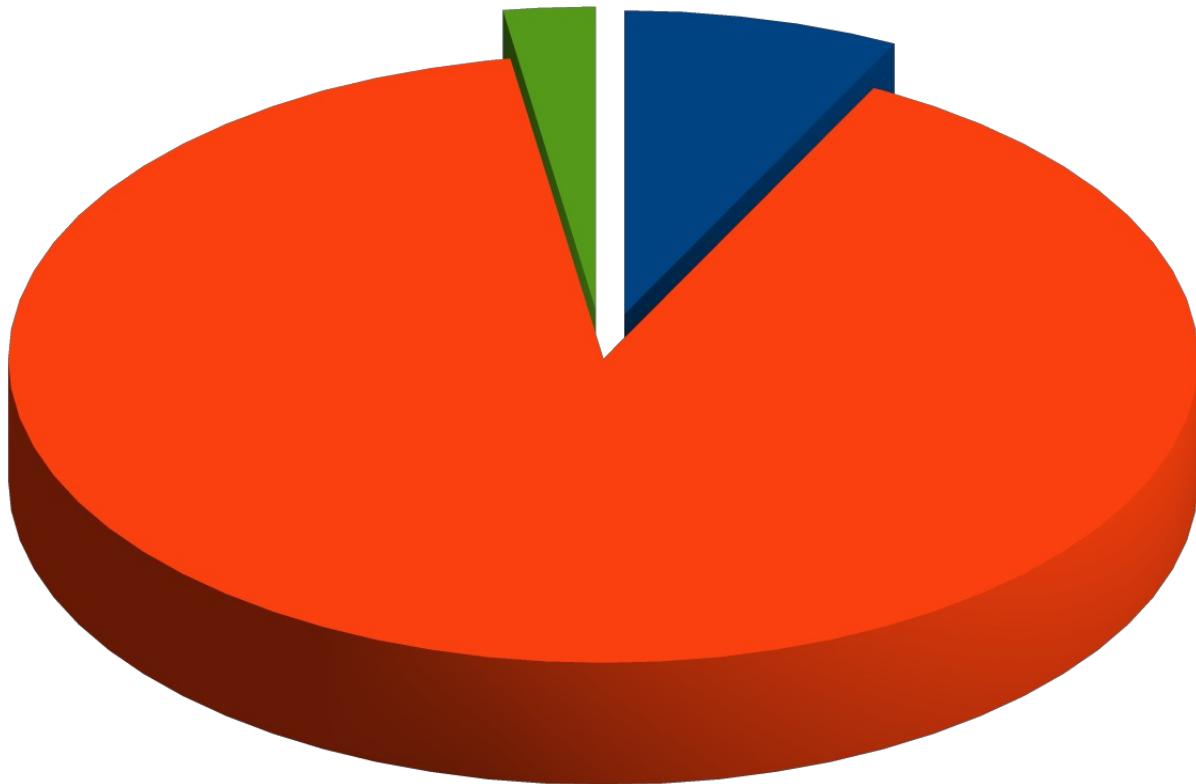
**YOU ARE NEVER TOO OLD  
TO SET ANOTHER GOAL  
OR TO DREAM A NEW  
DREAM (CS Lewis)**



新たな目標を持つことや  
新しい夢を見るのに  
歳をとりすぎた  
ということはない



# 今日の FOSS



■ Know ■ Use ■ Refuse

# 明日の FOSS (夢)



■ Know ■ Use ■ Refuse

Italo Vignoli

[italo@libreoffice.org](mailto:italo@libreoffice.org)

[italo@vignoli.org](mailto:italo@vignoli.org)

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