



Marcos Marado, <https://tilde.pt/~marado>

14 February 2023

I



Free Software Foundation Europe @fsfe · Jan 17

Think about the #FreeSoftware program you have used the longest 🤔.
How many years have you been using it? ❤️ #ilovefs

less than 5 years	8.3%
5 - 10 years	16%
more than 10 years	75.7%

325 votes · Final results

5 12 14 5,641

Marcos Marado @mind_booster

Replying to @fsfe

I'm not sure which was the first... vi? TeX? In any case, it was decades ago! #ilovefs

(But not just I)



Me and Free Software

- user
 - still VIM and T_EX(for this presentation, for eg.!)
 - Debian and Ubuntu; Android
- creator
 - professionally and otherwise
- community member
 - ANSOL, the Portuguese FSFE sister organization

ANSOL – Associação Nacional para o Software Livre

Board 2022-2024:

- Tiago Carrondo – Chair
- Rúben Mendes – Vice-Chair
- Octávio Gonçalves – Treasurer
- André Esteves – Member
- Hugo Peixoto – Secretary

The Free Software Movement

- Created in 1983, by Richard Stallman
- Free Software Foundation founded in 1985
- Free Software Foundation Europe founded in 2001

ANSOL – Associação Nacional para o Software Livre



Official launch in October 2001, during Porto Cidade Tecnológica

- Portuguese non-profit association

- propagation, promotion, development, research and study of Free Computing. . .
- . . . and its social, political, philosophical, cultural, technical and scientific repercussions
- Based at House of Associations in Oporto, but with a national scope

Free Software

- *Free* as in *Freedom*, not gratis

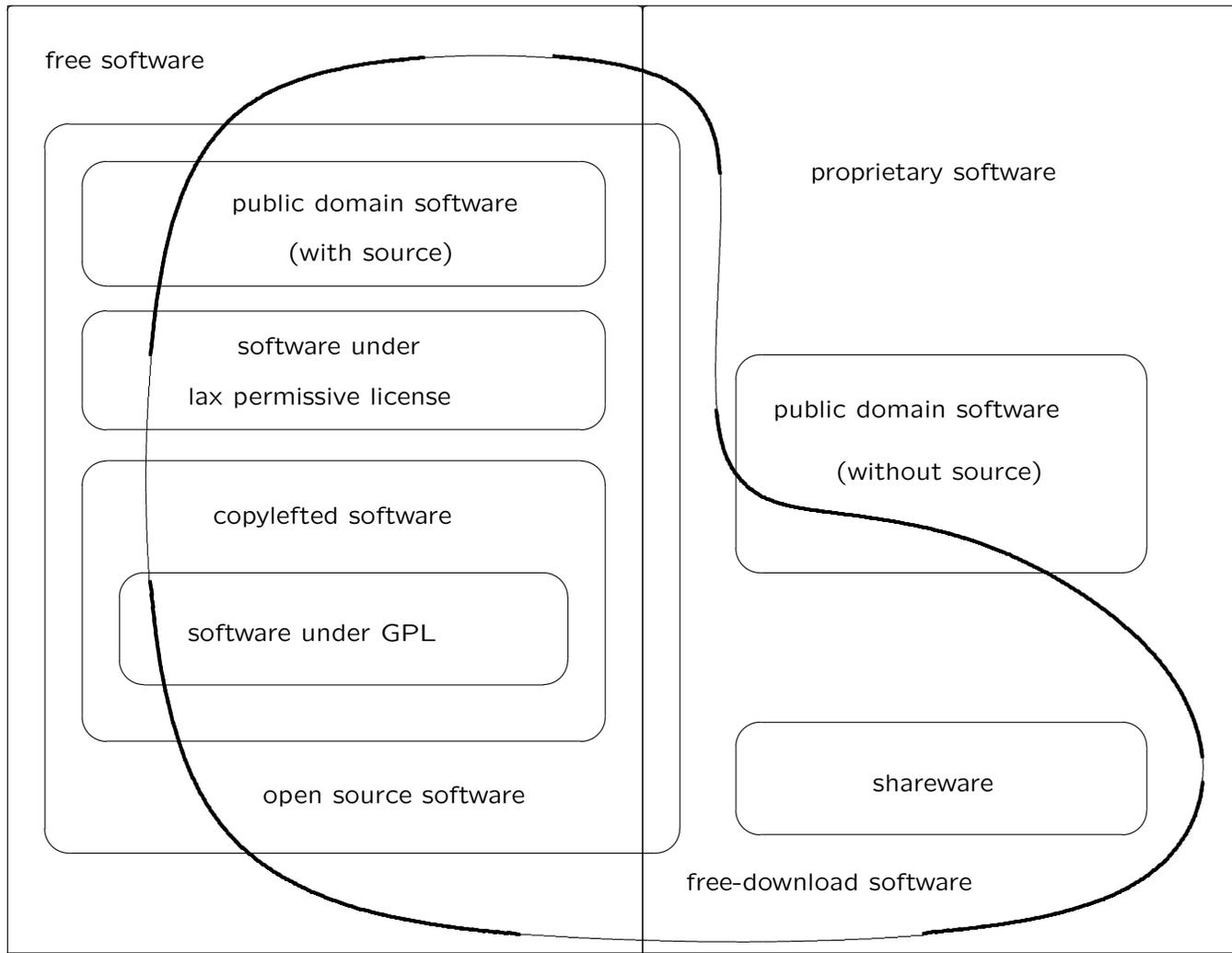
Which Freedoms?

Free Software

At the beginning of the 80s, *Richard M. Stallman* was the first to formalize a way of thinking about software in the form of four freedoms:

- 1st freedom: The freedom to run the program as you wish, for any purpose
- 2nd freedom: The freedom to study how the program works, and change it so it does your computing as you wish
- 3rd freedom: The freedom to redistribute copies so you can help others
- 4th freedom: The freedom to distribute copies of your modified versions to others, giving the whole community a chance to benefit from your changes

The software following these four principles is called “Free Software” .



– in <http://www.gnu.org/philosophy/categories.html>, CC-SA

- GNU/Linux Operating System
- Android Operating System Project
- OpenOffice – LibreOffice
- Firefox
- Wordpress
- Apache Web Server
- Blender
- Moodle
- *many others...*

Software Licenses

- Copyleft Licenses – forks cannot add any restrictions to the license
 - GPL (GNU General Public License)
 - Mozilla Public License (MPL)
 - Microsoft Reciprocal License (Ms-RL)
- Non-Copyleft
 - Modified BSD License
 - Expat License (MIT)
 - Apache License

Association's activities

- Political and legislative intervention
 - interventions and reports to the Portuguese Parliament
 - Coordination with *Free Software Foundation Europe* in European-wide projects, including presence in the European Parliament
 - Participation in the transposition of the European Directive InfoSoc into Portuguese Law
 - Campaign against Software Patents, that ended up with its rejection by the European Parliament

- Portugal is the first country to have an Open Standards Law
- Participation in the international campaign against ACTA
- Fight against the Private Copy Law
- Portugal in the frontline in the defense of consumers against DRM

The Law against DRM – what is it?

- Extension of the definition of DRM
- Clarification of that definition
- Clarification about the illegality of applying DRM in Public Domain works
- Making using DRM on works by public entities or public money illegal

The Law against DRM – how did we manage to get it?

- Testing the Law
- Education about the topic
- Persistence
- Working within the scope
- Make the (apparent) opposition talk
- Present an alternative

- Launch of the “Transparency in Public Administration” in 2009



INICIATIVA DA ASSOCIAÇÃO NACIONAL PARA O SOFTWARE LIVRE

Site particular permite saber tudo o que o portal das compras públicas não mostra

JOSÉ ANTÓNIO CEREJO 15/01/2009 - 19:33



- Sun and ANSOL got together in creating a CD “Free Software in School”, spread to the schools by the Ministry of Education



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📅 14-08-2007 ⌚ 10:35

CD com *software* livre para escolas pode poupar 300 milhões de dólares às famílias

São várias as aplicações incluídas no CD "Software Livre na Escola" que o Ministério da Educação está a distribuir nas escolas com o apoio da Sun e da ANSOL. Pelo cálculo da empresa as versões comerciais equivalentes valeriam mais de 300 milhões de euros.

- Event organization
 - Porto 2002, Cidade Tecnológica - Sistemas Livres
 - Richard Stallman in Portugal
 - Software Freedom Day
 - Document Freedom Day
 - I < 3 Free Software

The current Copyright reform

“To what extent KDE is directly **impacted** by the proposed regulation fully depends on whether the above setup would make us 'information society service providers storing and giving access to large amounts of works and other subject-matter uploaded by their **users**'. If yes, then we would probably need to **move** most of our infrastructure and organization outside of the EU.”

Thomas Pfeiffer
Board Member, KDE



Advantages of Free Software

- Flexibility and Freedom
- Reliability
- Stability
- Auditability
- Support and Responsibility
- Cost

Advantages of Free Software – Flexibility and Freedom

- Flexibility – the capacity to choose solutions fit to the users needs
- If the business requirements change, the solutions should not be constrained by software
- The use of open standards for interoperability
- the best solutions can be chosen for particular components in the architecture

- if the solutions have good interoperability, the business can avoid lock-in to a particular supplier, avoiding dependency
- Free Software models do not promote vendor lock-in, so open standards adoption is usually high
- In cases where open standards do not exist, source code audit stops the use of proprietary formats as a means to lock-in
- Competition focused on functionality quality
- Freedom by not having only one supplier
- Freedom to modify your software

Advantages of Free Software – Reliability

- Reliability – the lack of defects causing wrong operation
- performance failures; lack of standards compliance; security issues
- Severe issues tend to be fixed hours after being found, much due to source code access
- *patch* vs. new version
- bug lifecycle is different between free and proprietary software
- *early adopters'* impact, both in fixes as well as in new versions

Advantages of Free Software – Stability

- Stability vs. Updates
- *vendor push*: Format changes, end of support, lack of software fixes
- Warranty on the possibility of data migration
- Source code access provides a way to extend software lifetime
- When to update is chosen by the user, not the vendor

Advantages of Free Software – Auditability

- Security, lack of backdoors, standards compliance and flexibility in future changes: they can be promised in proprietary software, but only an assurance with the access to source code
- punctual and informal inspection vs. rigorous audits
 - InterBase case: 7 years old backdoor found and fixed half-year after free software version release
 - The backdoor had been introduced by Borland engineers on purpose

- third-party inspection and certification
- the falacy of *security through obscurity*

Advantages of Free Software – Support and Responsibility

- Support contracts: from generic to personalized
- Internal or external support, tailored (and Ada's example)
 - Ada is language for military, industrial and aerospace industries that are *mission-critical* and *safety-critical*
 - “ACT Europe” was created in 1996 to provide commercial support to military and industrial uses of Ada
- Several business models around Support

- Zope – Free Software Production; most profit comes from support and services
- Free Software consultancy services
- The real need of support, when the code is from the user
- The myth of responsibility in proprietary software (read EULAs)

Advantages of Free Software – Cost

- libre vs. gratis
- Price vs. TCO
- Aspects about Free Software's TCO
 - Possibility of zero price
 - Possibility of not needing to count the number of copies in use
 - Probable small need of updates

- almost-zero virus vulnerability
- Supposed less security vulnerabilities
- Alleged possibility of longer lifecycle due to low hardware requirements
- A better compliance to open standards allows competition, reducing the lock-in to monopolist prices
- Source code availability makes the software resilient to product discontinuation or vendor extinction
- Finance strategy ruled by the user and not the vendor

Free Software Business Models

- Offer the software to sell hardware (IBM, ...)
- Licensing allows inclusion in non-free software (MySQL)
- Publish the software without source, releasing it only after some time
- Base software is free, but extras aren't
- Sharing development costs

Free Software Business Models (cont.)

- Technical assistance contracts
- Development of new features
- Training
- Consulting and software adaptation

Get involved!

SOUNDS COMPLICATED? IT'S NOT. IT'S SUPER EASY!



PUBLIC MONEY?
PUBLIC CODE!

WWW.PUBLICCODE.EU

ANSOL-geral – <http://listas.ansol.org/mailman/listinfo/ansol-geral>

Setembro de 2017 Arquivos por Tópico

- Mensagens ordenadas por: [\[assunto \]](#) [\[autor \]](#) [\[data \]](#)
- [Mais informação sobre esta lista...](#)

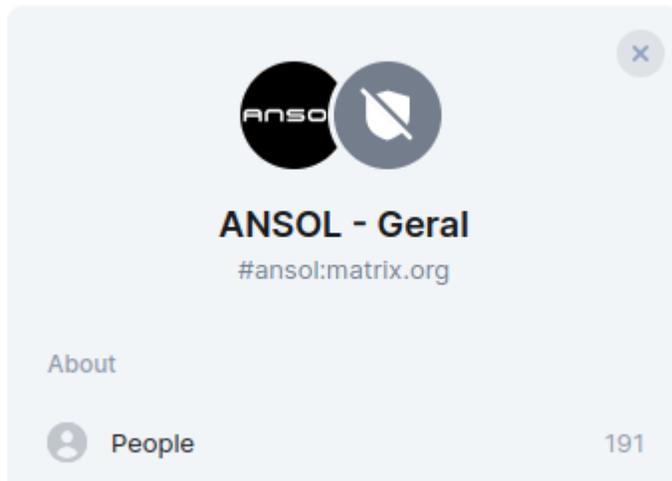
Início: *Terça-Feira, 5 de Setembro de 2017 - 00:55:06 WEST*

Fim: *Sábado, 30 de Setembro de 2017 - 19:07:58 WEST*

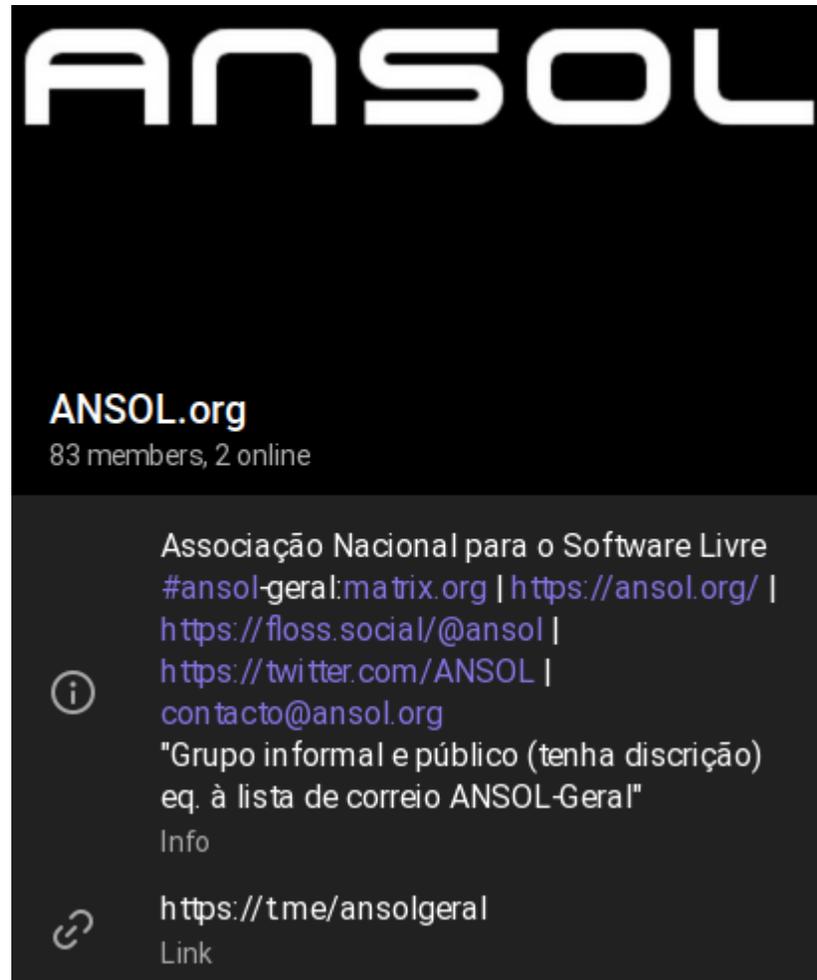
Mensagens: 14

- [\[ANSOL-geral\] Próximos Eventos ANSOL 04.09.2017](#) *webmaster ansol.org*
- [\[ANSOL-geral\] The School of Rock\(ing\) EU Copyright | Associação Nacional para o Software Livre](#) *Marcos Marado*
 - [\[ANSOL-geral\] Podcast Ubuntu Portugal - O ano do Ubuntu no hardware](#) *Diogo Constantino*
- [\[ANSOL-geral\] European Copyright reform hampers Free Software development](#) *Marcos Marado*
 - [\[ANSOL-geral\] Talos II \(desktops e rack mount\) disponíveis para pré-encomenda](#) *Marcos Marado*
 - [\[ANSOL-geral\] Dinheiro Público? Código Público!](#) *Marcos Marado*
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- [\[ANSOL-geral\] Próximos Eventos ANSOL 18.09.2017](#) *webmaster ansol.org*
 - [\[ANSOL-geral\] 28.Set - OpenSourceLisbon - ReactOS - open source windows NT clone!](#) *Ricardo Pinho*
- [\[ANSOL-geral\] Próximos Eventos ANSOL 25.09.2017](#) *webmaster ansol.org*
- [\[ANSOL-geral\] Fwd: \[Direccao\] Last chance! Register for Freedom not Fear 2017 until Monday, 2nd October](#)

<https://matrix.to/#/#ansol-geral:matrix.org> Or <https://t.me/ansolgeral>



A screenshot of a Matrix chat room header. At the top, there are two circular icons: a black circle with 'ANSOL' in white and a grey circle with a white shield icon. Below the icons, the text reads 'ANSOL - Geral' and '#ansol:matrix.org'. At the bottom left, there is an 'About' link and a 'People' section with a person icon and the number '191'. A close button 'x' is in the top right corner.



A screenshot of a Telegram channel header. The top part has a black background with the word 'ANSOL' in large, white, stylized letters. Below this, on a dark grey background, it says 'ANSOL.org' and '83 members, 2 online'. The main description is on a black background: 'Associação Nacional para o Software Livre #ansol-geral:matrix.org | https://ansol.org/ | https://floss.social/@ansol | https://twitter.com/ANSOL | contacto@ansol.org "Grupo informal e público (tenha discrição) eq. à lista de correio ANSOL-Geral"'. At the bottom, there is an 'Info' link and a 'Link' section with a chain icon and the URL 'https://t.me/ansolgeral'.

■■■ FUNDAMENTO #1 ■■■



AS IDEIAS DEVIAM SER
TÃO FÁCEIS DE PARTILHAR
QUANTO ESTA
IMAGEM



Tu podes ajudar-nos!
TORNA-TE SÓCIO!



ANSOL.ORG

■ SOFTWARE LIVRE ■



A IDEIA SURTIU
DEPOIS DE UM
EPISÓDIO COM
UMA IMPRESSORA



EXISTEM IMENSOS
EQUIPAMENTOS
QUE CORREM
SOFTWARE LIVRE



PODES ATÉ
TÊ-LO NO
BOLSO!

AS QUATRO LIBERDADES
FUNDAMENTAIS



EXECUTAR
LIVREMENTE



ESTUDAR
E ADAPTAR



DISTRIBUIR
CÓPIAS



REDISTRIBUIR
ADAPTAÇÕES



O Software Livre é mais do que um conjunto
de ferramentas gratuitas

■ É UMA CULTURA ■

e tu podes ajudar a mantê-la viva!

• ANSOL.ORG/INSCRICAO •



A INTERNET DEPENDE LARGAMENTE
DE SOFTWARE LIVRE



EXISTEM IMENSAS
DISTRIBUIÇÕES
DE GNU/LINUX E BSD



I love Free Software Day

We often underestimate the power of a simple **Thank You**. Free Software contributors do important work for our society and they deserve attention. The "I love Free Software Day" on 14 February (also known as Valentine's Day) is the perfect opportunity for you to express your special gratitude.

In the Free Software community, we expect a lot of work from Free Software project maintainers. We want that our bug reports are dealt with quickly and demand new features from people who often spend their sparse volunteer time on Free Software code, translations, tests, or design. There is nothing wrong about this because constructive feedback helps us to further improve and keeps Free Software projects alive. But it is also important to show some appreciation to those who work so selflessly throughout the year for us! You can show your love for Free Software by saying thank you to your favourite Free Software project or contributor.



The yearly "I love Free Software Day" allows you to make 14 February a day full of positive, creative and lovely messages for the whole community. Together, we can celebrate software freedom that empowers us.

I Free Software

because it is a crucial component for the distribution of powers in 21st century democracies.



*-Matthias Kirschner
President of the FSFE*

I Free Software

porque nos ayuda a construir dinámicas digitales más transparentes.



-Lina Ceballos

I Free Software

because it empowers me to control technology, it let's me share the software I use with my friends, and it enables me to learn about the software.



-Bonnie Mehring

I Free Software

I love Free Software because it helps me to be a better citizen of the world!



*-Jaime Pereira
Let the Good Times Roll!*

Eu adoro Software Livre 2022

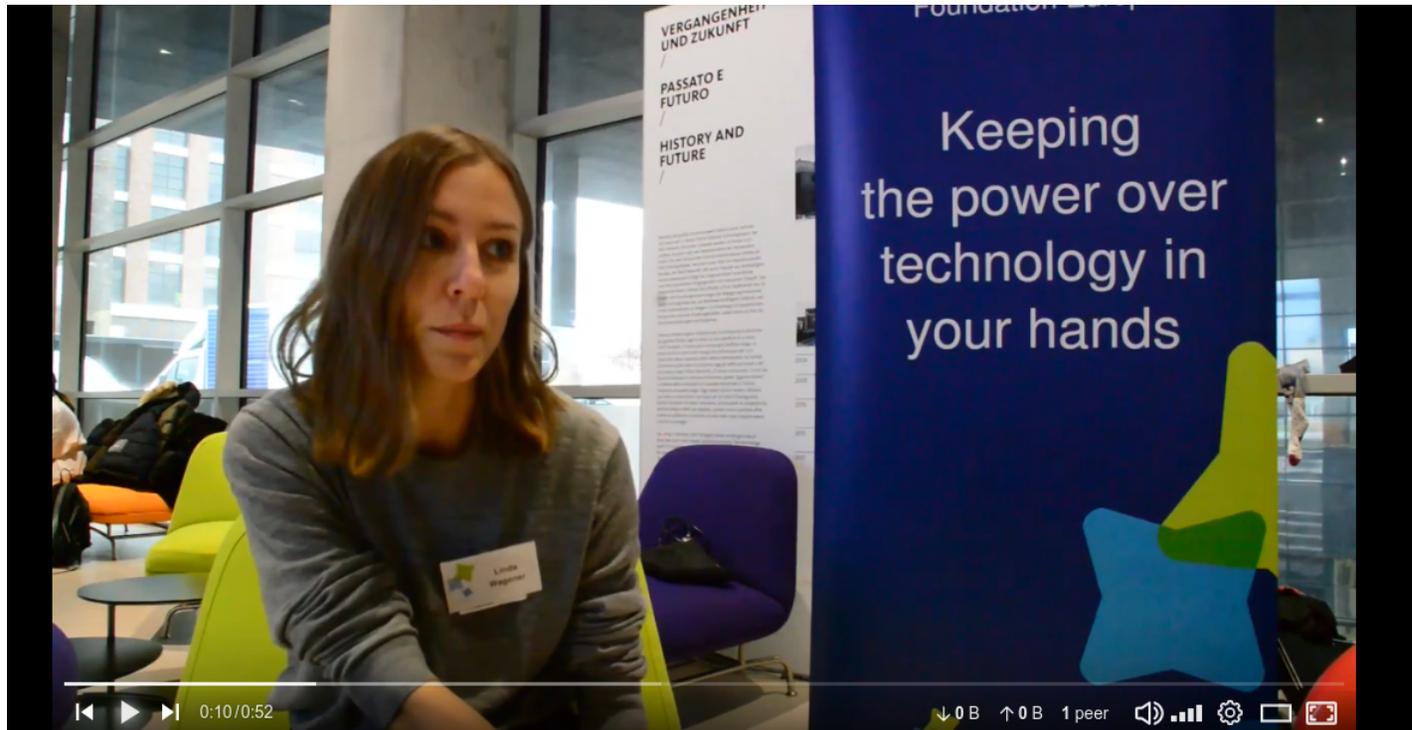
14 Feb, 2022 [ilovefs](#)



Todos os anos a [14 de Fevereiro](#), a ANSOL junta-se à [Free Software Foundation Europe](#) e pede a todos os utilizadores de Software Livre que pensem naquelas pessoas que trabalham para a comunidade de Software Livre e mostrem o seu apreço individualmente neste dia de “Eu adoro Software Livre”.

Empresas, comunidades, projectos, associações e vários outros organismos têm usado este dia para mostrar o seu agradecimento público àqueles que fazem o mundo do Software Livre tão vibrante como é. Assim, também a ANSOL decide aproveitar este dia para fazer alguns agradecimentos públicos.

A ANSOL [celebrou o seu vigésimo aniversário em 2021](#), e para festejar organizou um ciclo de apresentações online, tirando proveito de várias soluções de software livre:



I Love Free Software Public

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I Love Free Software Day: Who would you like to say thank you to? - Linda Wagener

Other videos

Do YOU love Free Software?

<https://tilde.pt/~marado>

<http://ansol.org>

<https://ilovefs.org>

<http://fsfe.org>

<http://fsf.org>

<https://github.com/marado/ilovefs-presentation>

#ilovefs