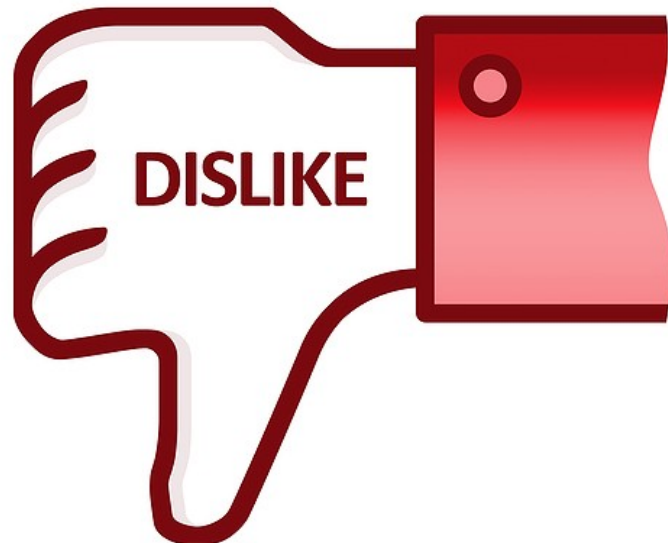# TANGO Foundation

Andy Götz,
Alexandre Delorme,
Jean-Michel Chaize

Motivation

We need your feedback!

Thumb voting was **not** invented by facebook 👍

Jean-Lèon Gérôme

Pollice Verso

Every "**golden slab**" needs a ...

ESRF Experimental Hall – Belledonne extension – May 2013
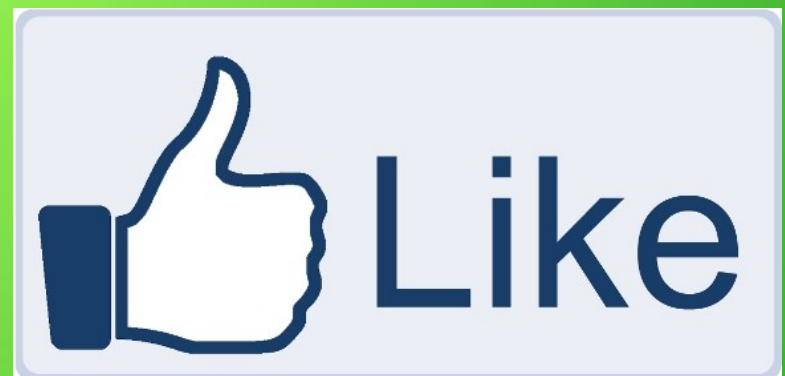
... a good **Foundation** ...

ESRF Experimental Hall – Chartreuse extension - 2013

Thanks to GRAVIT!

- *"Speeding up Technology Transfer"*

- Project adviser:

  Alexandre Delorme

Background

- **November 2011** - ESRF submits request to Gravit to promote TANGO in industry

- **September 2012** – *Executive Committee* gives ESRF green light to continue

- **November 2012** – Gravit agrees to help and finance TANGO technology transfer

Since last Tango meeting

- Road trip

- Demonstrator

- Communication and Branding

- Tango Source Code analysis

- TANGO Foundation

Road Trip

Road Trip

- TANGO Industry day (Nexeya) – companies providing TANGO support Aerotech, Agilent, Scilab (future?)

- I-Tech – provide TANGO support for their hardware

- Elettra – TANGO evangelists, hdb++ leads

- Cosylab – provide TANGO development

- Kyma undulators – would like to provide TANGO support for their hardware

- Q: *What about your favourite suppliers?*

Industrial Demonstrator

1. **Virtual demonstrator**

- Based on TangoBox virtual machine
- TangoBox V3 based on Tango 8 (thanks Carlos!)
- Include examples of simulator device servers e.g. linac, insertion device, detector (lima)
- Getting started documentation and video
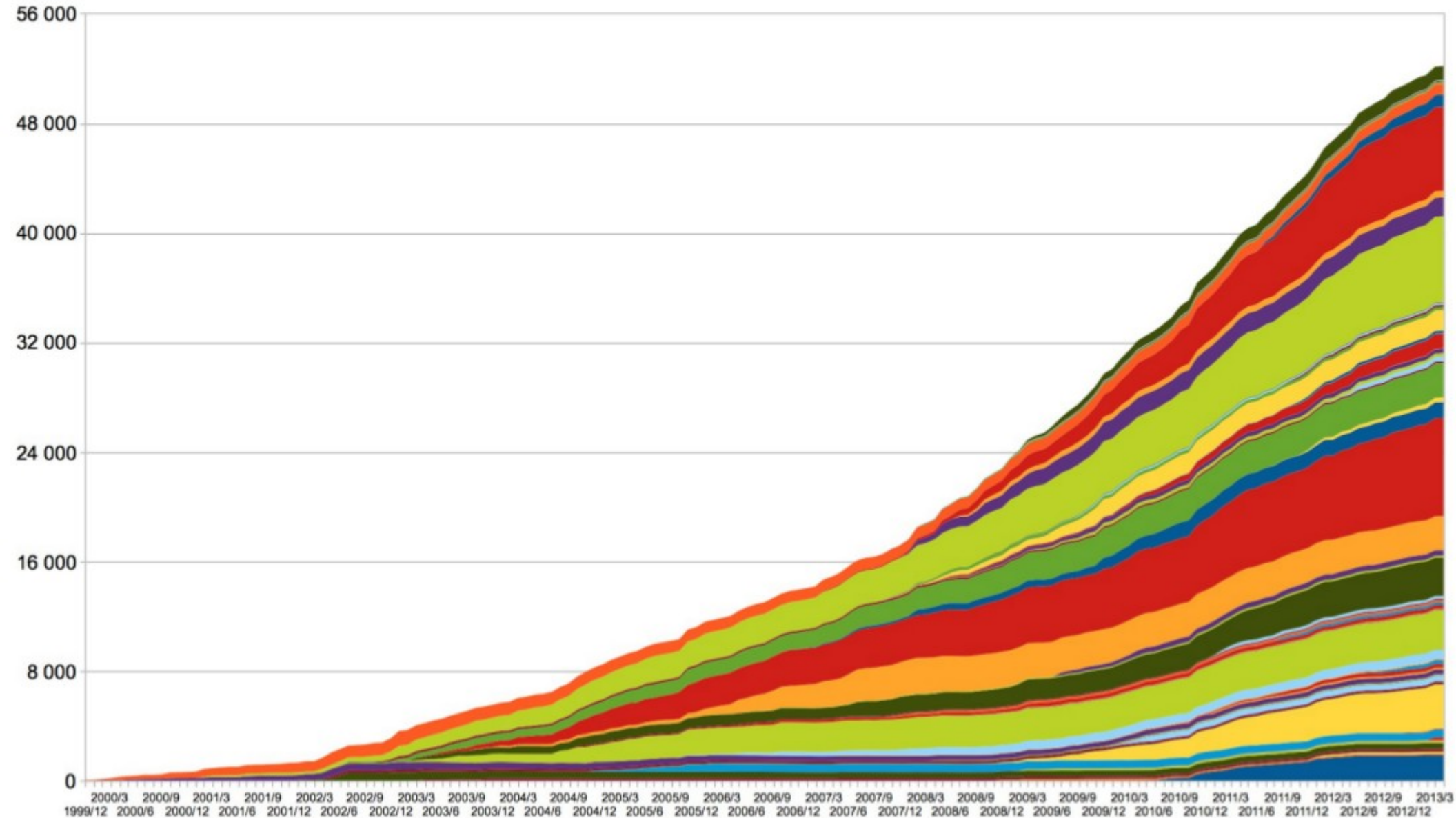
2. **Hardware demonstrator**

- Demonstrate industrial hw+sw e.g. Modbus, OPC, serial line, Profibus, Matlab, Labview, ...
- Develop device servers for OPC UA, open hardware
- Your suggestions and feedback needed
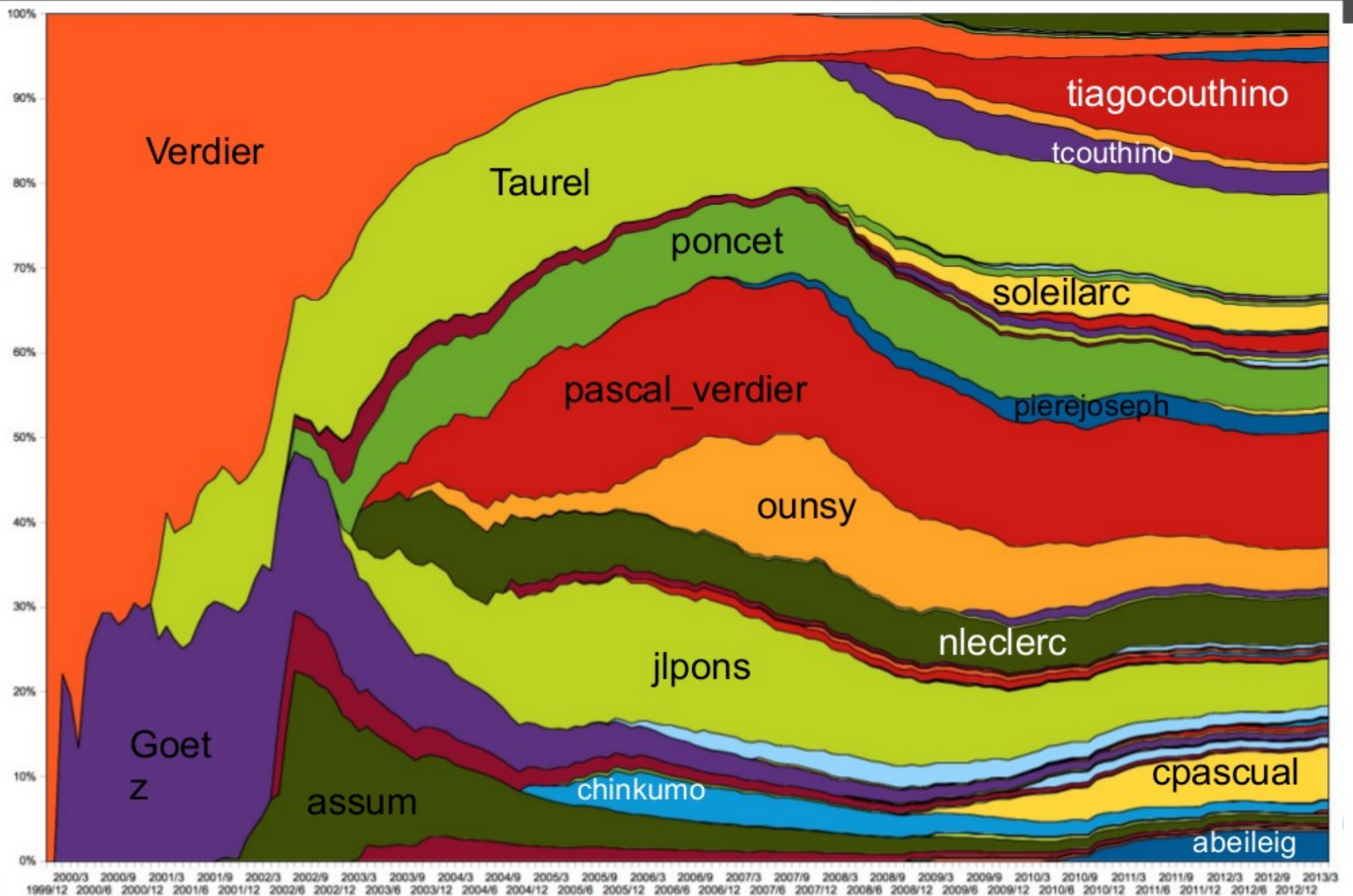
TANGO Source Code Analysis

- Goal is to determine if our **perception** of what is in the source code matches with the **reality** and specifically if all the source code is compatible with Open Source licences GPL and LGPL

- Study being done by +

- ***Preliminary conclusion is the source code is compatible with the LGPL and GPL licences !***

TANGO development since origin

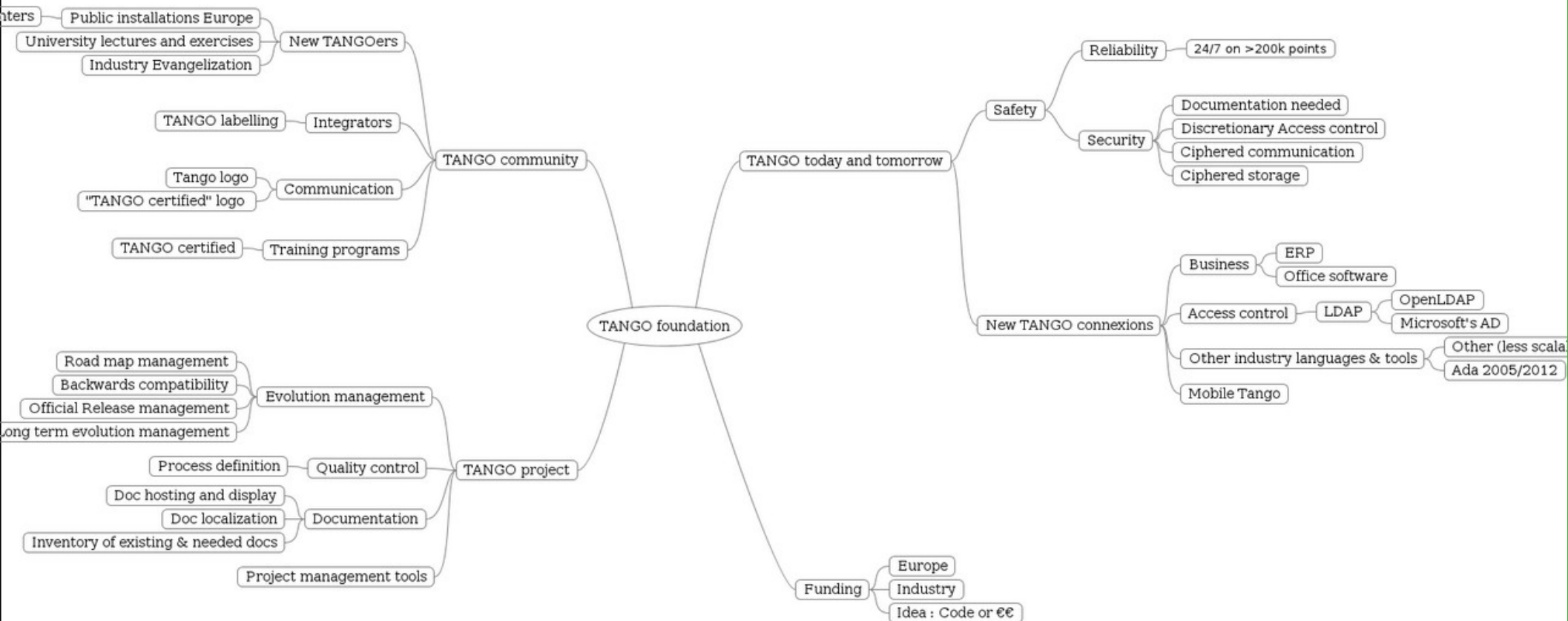# TANGO authors since origin

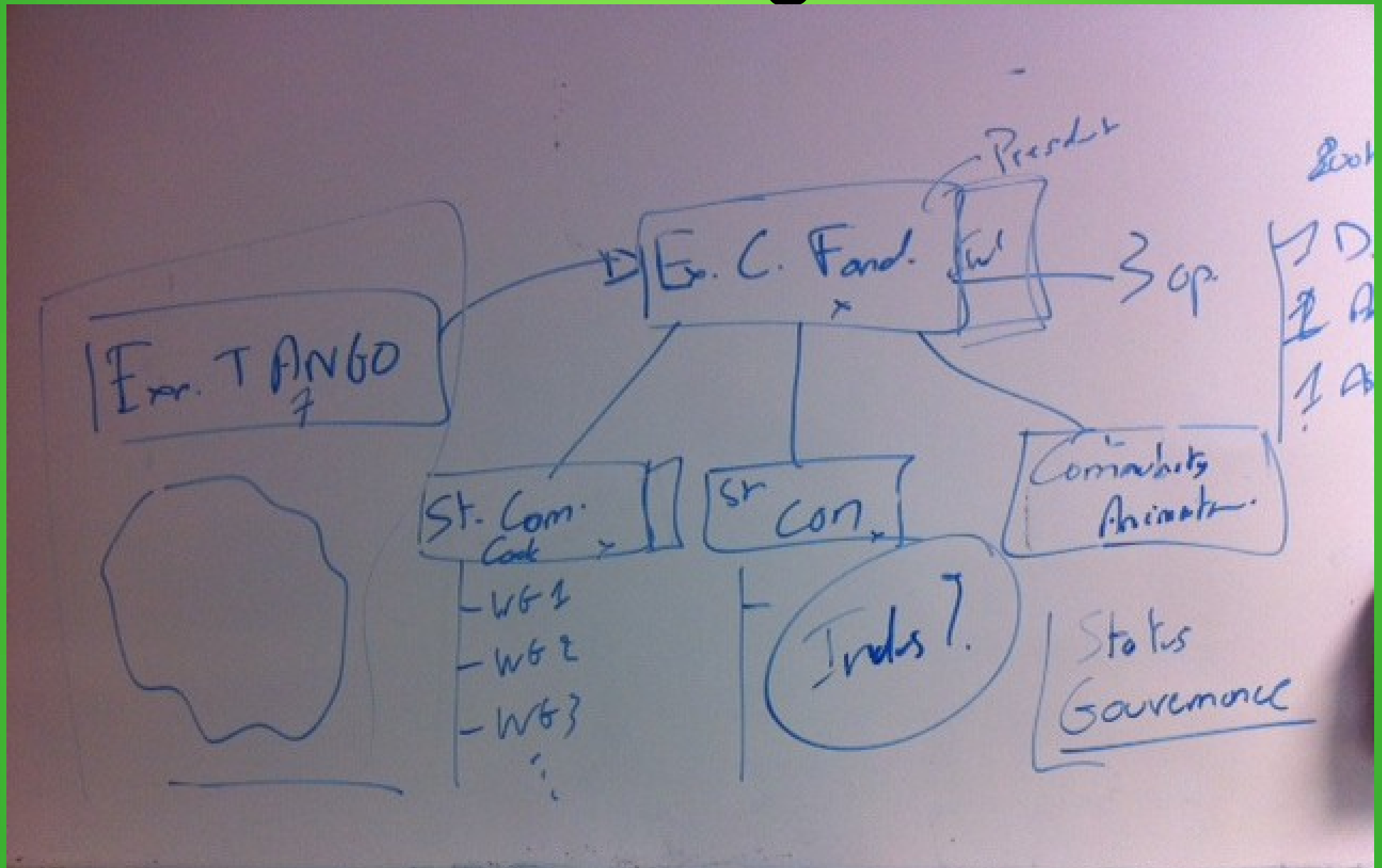# TANGO Foundation

Foundation mission

- *The main goal of the TANGO Foundation is to **promote**, **protect** and **develop** TANGO,*

- ***Guaranteeing** that the community continues to enjoy the **same rights** they have today,*

- ***Open access** to the **source code**, the right to modify and contribute,*

- ***Free** to use.*

Foundation *internal* mission

- *The "internal" mission of the TANGO Foundation is to provide the resources to achieve the goals of the official mission,*

- *All our institutes are very limited in resources*

- *A foundation can collect funds and employ people to do or sub-contract tasks*

- ***We need resources to be able to grow***

Foundation organisation

TANGO Foundation - legal status

- **TANGO needs a legal status to:**
  - Collect funds
  - Employ staff
  - Protect IP
  - Promote
- **Your opinion on:**
  - Nonprofit
  - Where

TANGO Foundation - funding

- **TANGO needs sponsors to:**
  - Raise funds
  - Hire staff
  - Cover costs
- **Your opinion on:**
  - Membership fees
  - Sponsor categories Platinum = 50k$?
  - Ideas for fund raising

TANGO Foundation communication

TANGO
Connecting things together

- **Branding**
  - Logo
  - Baseline
- **Social media**
  - LinkedIn
  - Twitter
  - Forum
- **Your opinion**
  - Branding,
  - Baseline

TANGO Swag

Etiquette de connextion

T-Shirt

Clé USB

Pin's

TANGO certification

- **TANGO Foundation to provide:**
  - TANGO expertise certification
  - Training certification
- **Our opinion on:**
  - Certification

TANGO and Education

- **Linkup with education**
  - Universities
  - High schools
- **Your opinion on:**
  - Linking to education in your country

TANGO Website

- **Website needs:**
  - Rebranding
  - Easier navigation
  - Friendlier CMS
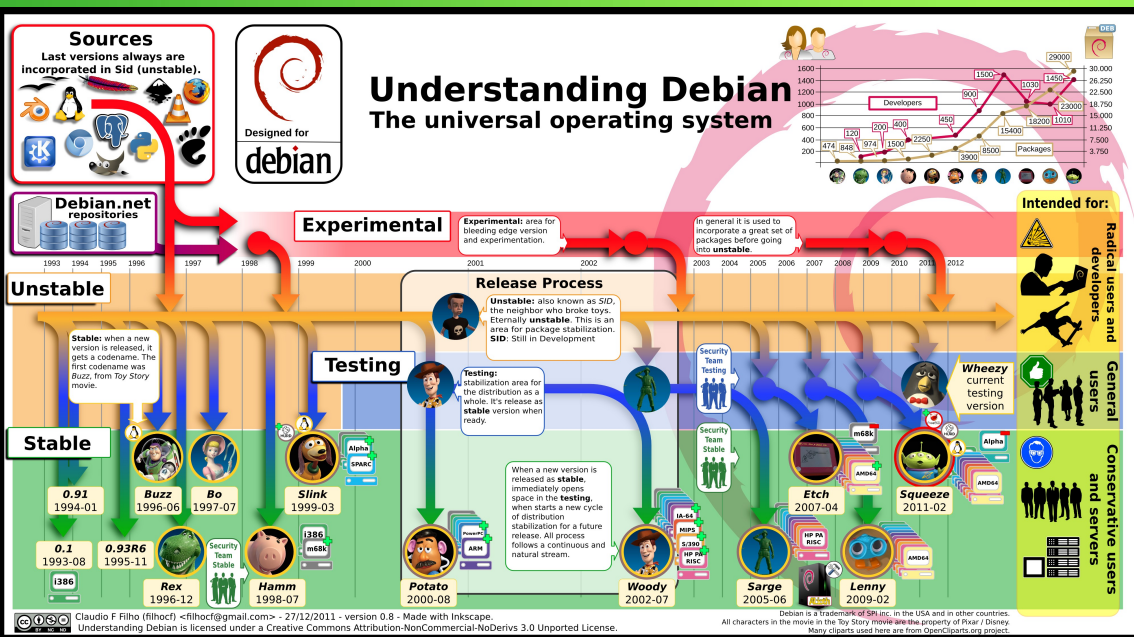- **Your opinion on:**
  - New look
  - CMS

TANGO Evolution

- **Followup of:**
  - Roadmap
  - Releases
  - Packaging
  - LTS

- **Your opinion on:**
  - Release management
  - LTS, packaging etc.

TANGO Promotion

- **Promoting TANGO:**
  - Trade shows
  - New projects
  - Brochures
  - Road trips
- **Your opinion on:**
  - Promotion actions

TANGO Industry

- **Engaging Industry**
  - Standard device servers
  - SCADA Demonstrator
  - Certify industrial support
- **Your opinion on:**
  - Ways to involve industry

TANGO Foundation Governance

- **Rules + regulations:**
  - Learn from existing foundations e.g. Apache, Linux, Debian
  - Start from MOU
- **Your opinion on:**
  - Rules
  - Caveats

TANGO and European Union

- **EU support**
  - Horizon 2020
  - Lobbying
  - EU recommendation
- **Your opinion on:**
  - Spreading TANGO in the EU

Expert Help

- **Foundation study to be done with expert help from:**
  - **Benoit Donette** (independent consultant)
  - Lawyers
  - YOU
- **Your opinion on:**
  - Experts who can help

Conclusion

- TANGO Foundation motivation ready (I hope I convinced you if not read the paper)

- Executive Committee to give green light for study tonight

- Foundation proposal will be ready before next TANGO meeting

WE NEED YOUR FEEDBACK ! (during or after this talk)