



TANGO Controls Consortium

**Motivation +
Proposal
Status**





is still a ...



TANGO  ... not just any ...



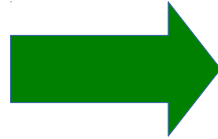
Cullinan diamond

Consortium goal is sustain+improve TANGO



TANGO Controls Consortium

The goal is sustainability of TANGO

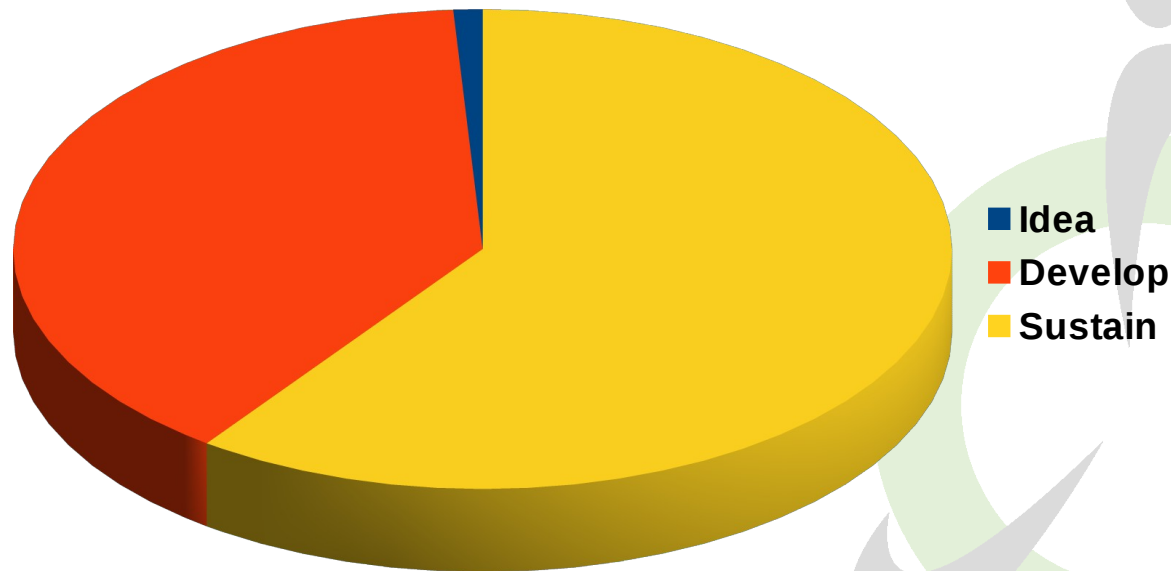


The concept of sustainability centers on a balance of society, economy and environment for current and future health* i.e. between 10 and 20 years at least

*<http://www.eco-lectric.com/what-is-sustainability/>

Sustainability is THE challenge for TANGO

Sustainability \geq 60 % *
of total cost



* Doug Schmidt, Software Engineering Institute



MOU to Consortium

1. MOU today
2. Limitations
3. Consortium Proposal



MOU today

Signed by 10 institutes:

*ESRF, SOLEIL, ELETTRA, ALBA,
DESY, MAXIV, FRM2, SOLARIS,
ANKA, ELI-ALPS*

**All members of EC can
vote** (weight of 1 or 2)

**Duties are (1) use TANGO
(2) organise meetings**



MOU today

**No obligation to commit
code to the official
repository or contribute
to community by working
on common tasks**

TANGO MOU today

**Not a problem as long as
there are enough**



TANGO Resources today

ESRF: 4 developers, 1 manager,
1 coordinator

SOLEIL: 2 developers

ALBA: 1 developer

ELETTRA: 1 developer

Problems

Not sustainable

Workload is not evenly distributed

Common tasks not being addressed



Common Tasks not shared

Following tasks are not being shared:

- **web site**
- **documentation**
- **mailing list support**
- **improving the core**
- **sharing device servers**
- **helping new members, travel**
- **outreach to schools, universities etc.**

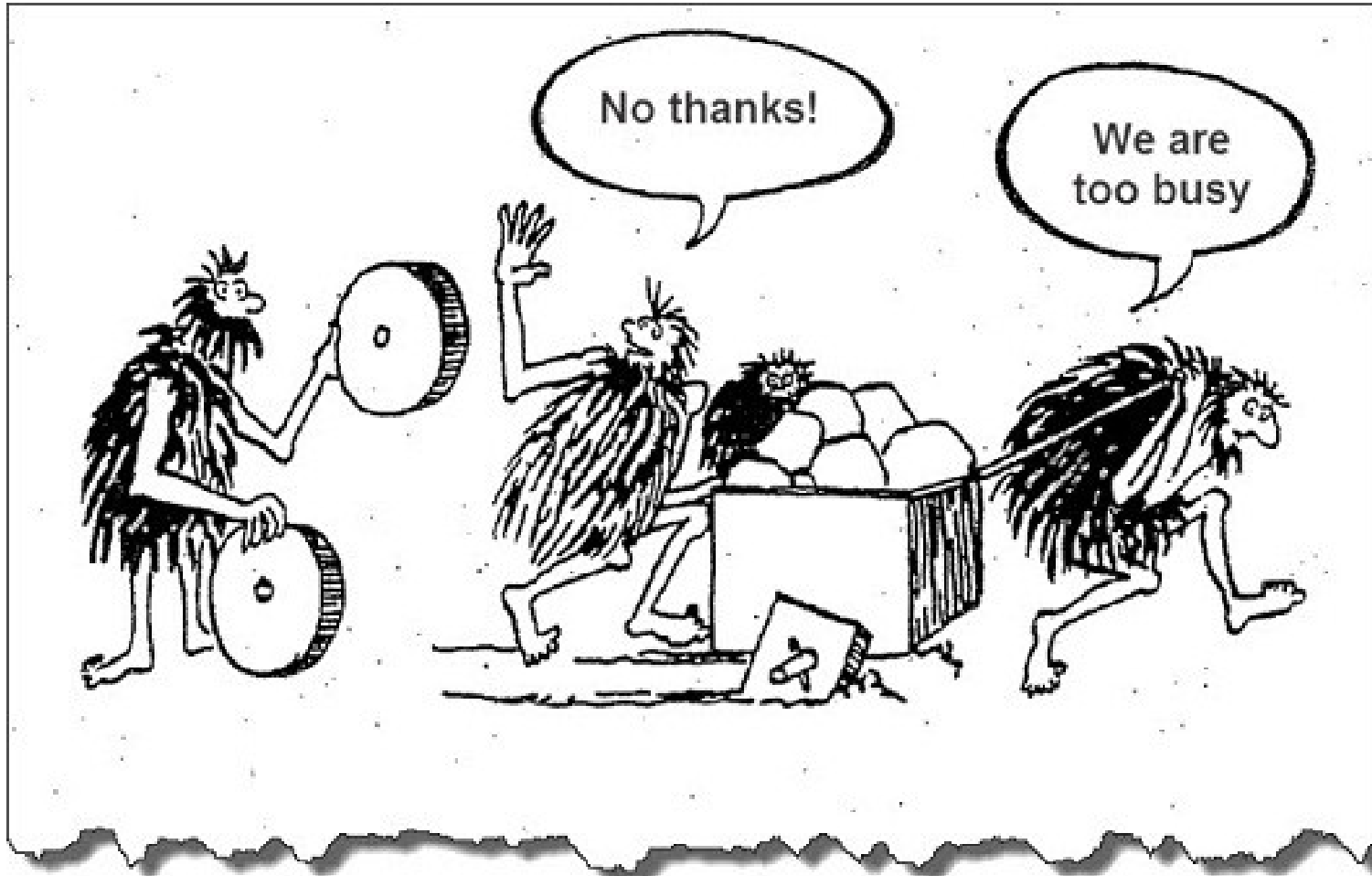




Why ? Too Busy !



But ...



Define what is a TANGO Control System

Core : server + client libraries in C++, Python, Java

Tools : Pogo Jive, Astor, ATKPanel, Taurus

Bindings : Labview, Matlab, Octave, Igor, Scilab

Device Servers : database, serial line, gpib, ethernet, modbus, epics, opc-ua, ...

Future: HDB, ...

How to **ENERGISE** ...TANGO

Batteries
Included



Possible Solutions

**Join an existing
community e.g. Apache,
Eclipse, ...**

Create a company

Do nothing ... high risk

Setup a TANGO Consortium ...



Why not set up an Organisation e.g. a Foundation ?



Main problem

Impossible for
institutes to be
members due to
legal issues



TANGO Consortium legal status

Consortium will be hosted by ESRF

Collaboration to be managed by contracts between ESRF + Members

Example - Icepap + Medipix collaborations

TANGO Consortium makeup

Members = Core + Contributing +
Honorary

Executive Board (EB)

Operation Officers (OO)

Community, Partners

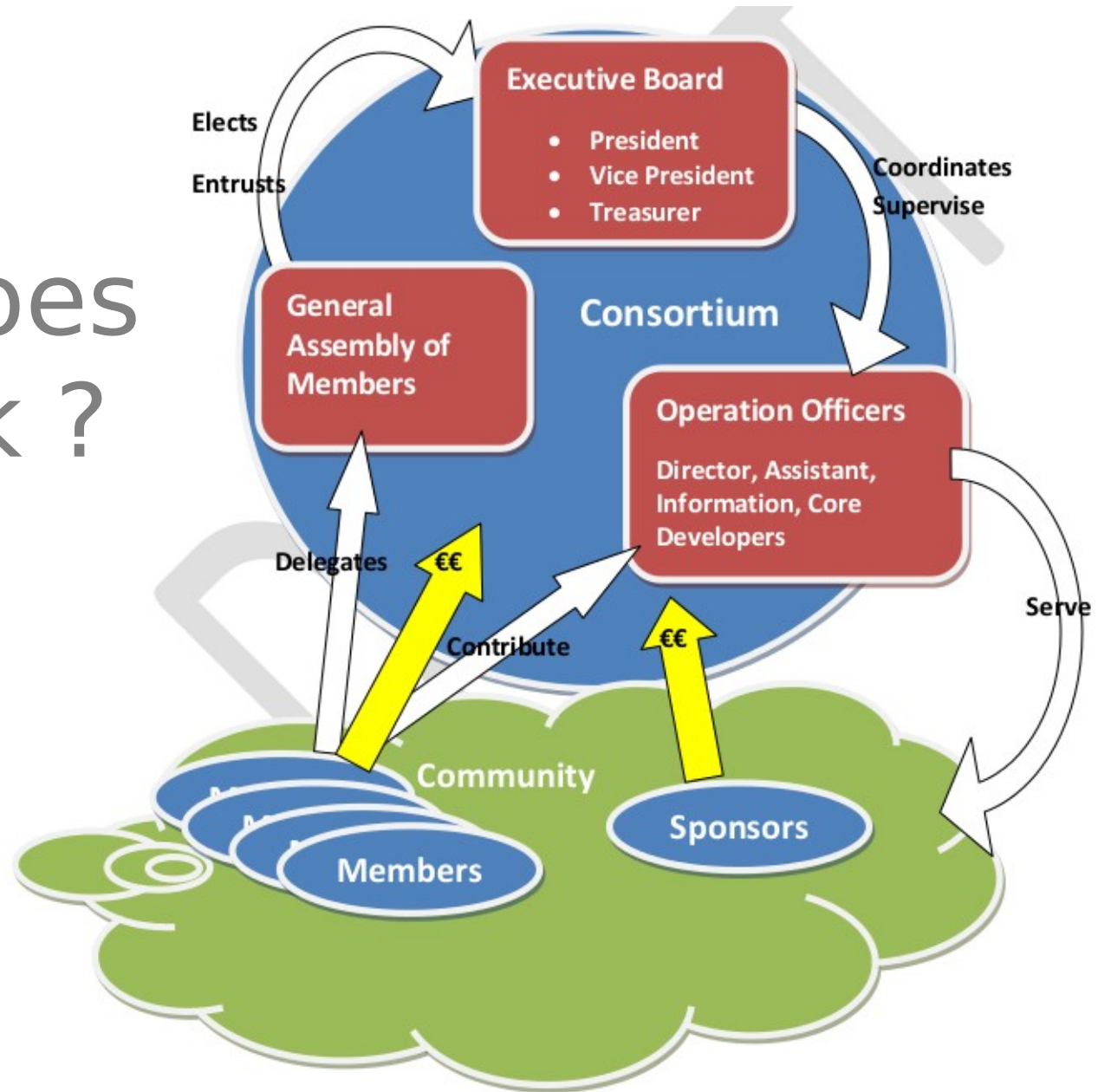
TANGO Consortium Goals

Share/finance resources

**Members must be active
and/or contribute**

Sustain+Improve TANGO

How does it work ?



TANGO Executive Board

Official representatives

**President, Vice-President
+ Treasurer**

Elected by members

TANGO Operation Officers

Implement decisions

**Director, Assistant,
Information Officer,
Core Developers**

Appointed by EB

Membership Votes

Core : 4 or 5

Contributing : 2

Honorary : 1

Membership Fees

10 keuros per year

Minimum 3 years

What is money for ?

core maintenance, web,
documentation, representation, ...

Next Steps

**EC to give feedback and vote
TODAY**

Finalise Proposal + Contract

Feedback from Institutes

Members sign + elect Officers

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Alexandre Delorme (Gate1)

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Executive Committee

