

# Contributing to the Odoo Community Association (OCA)



**camptocamp**

INNOVATIVE SOLUTIONS  
BY OPEN SOURCE EXPERTS

**oca**

© Gary Larson

# Come and talk with us at the OCA Booth



© Gary Larson



# What is the OCA ?

- A not for profit organization
- <http://odoo-community.org/>
- Serves as umbrella for 105 github projects
  - <https://github.com/OCA/>
  - Each hosting several Odoo addons
  - Development shared across 67 teams



# How can you get involved?

- Follow us
- Test and review and use our modules
- Submit code and documentation
- Become a member



# Follow us

- The web site

- The blog

- <https://odoo-community.org/blog/news-1>

- Twitter [\*\*@OdooCommunity\*\*](#)

- The contributors mailing list

- <https://odoo-community.org/groups/15>



# Participate

- Test the modules
  - You can use <http://runbot.odoo-community.org/>
- Create a github account, and use it to report issues
- Test and review pull requests
  - The runbot makes this easy



# Propose documentation and code

- You'll need to sign the Contributor License Agreement (CLA)
- Make Pull Requests on the projects
  - Watch for the output of the CI tools
  - Wait for reviews, and discuss with the reviewers, improve your code
- Try to keep a good submitted PR / reviewed PR ratio
  - Just submitting code and never doing reviews is abusing the ecosystem



# The CLA

- Gives some rights to the association over your contributions
- The OCA is committed to open source by its by-laws
  - The association is allowed to relicense your contributions, but only to an OSI approved license
- We have some CLA forms on the OCA booth





# Coding conventions

- Our coding conventions are documented in OCA/maintainer-tools
  - In the CONTRIBUTING.md file
  - There's a direct link from the OCA web site
- Built on Odoo's official recommendations
  - With some added requirements
  - With some relaxed requirements



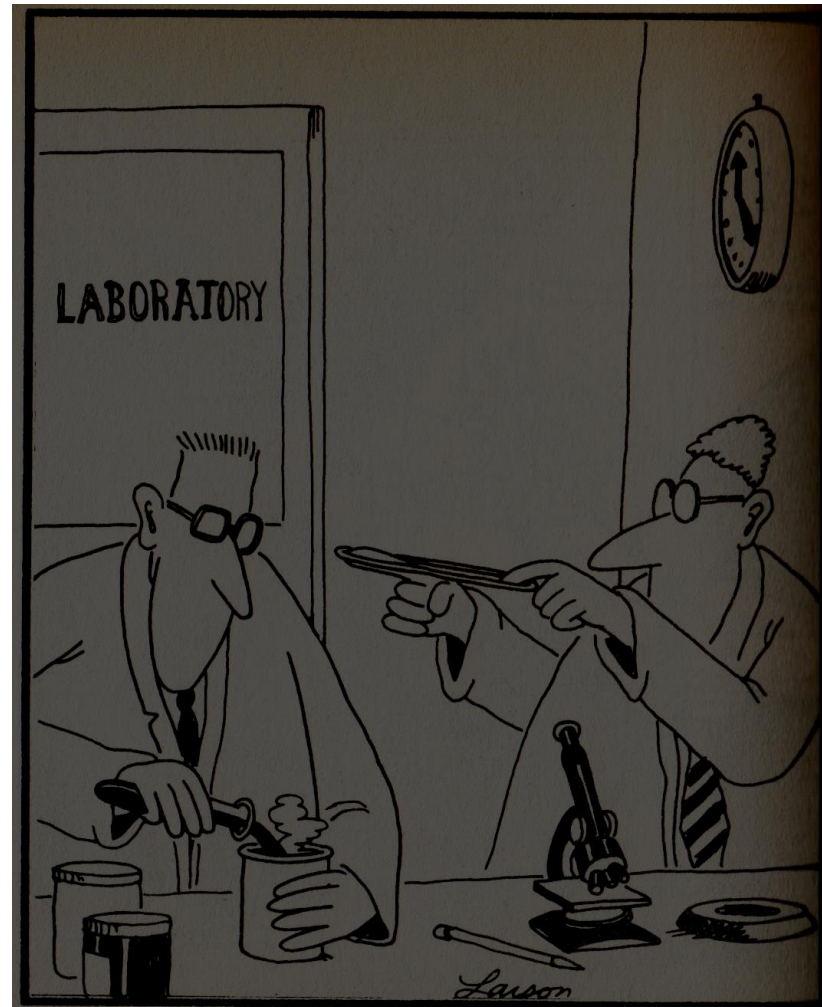
# Github cheat sheet: making a PR

```
$ git clone git@github.com:OCA/hr
$ cd hr
$ git remote add work git@github.com:account/hr
$ git checkout -b 8.0-fix-stuff origin/8.0
    # write code and tests, run tests until green
$ git add -p
$ git commit
$ git push work
```

Then browse to <https://github.com/OCA/hr> and click on the submit PR button



# Our Continuous Integration tools



On Oct. 23, 1927, three days after its invention, the first rubber band is tested.

© Gary Larson

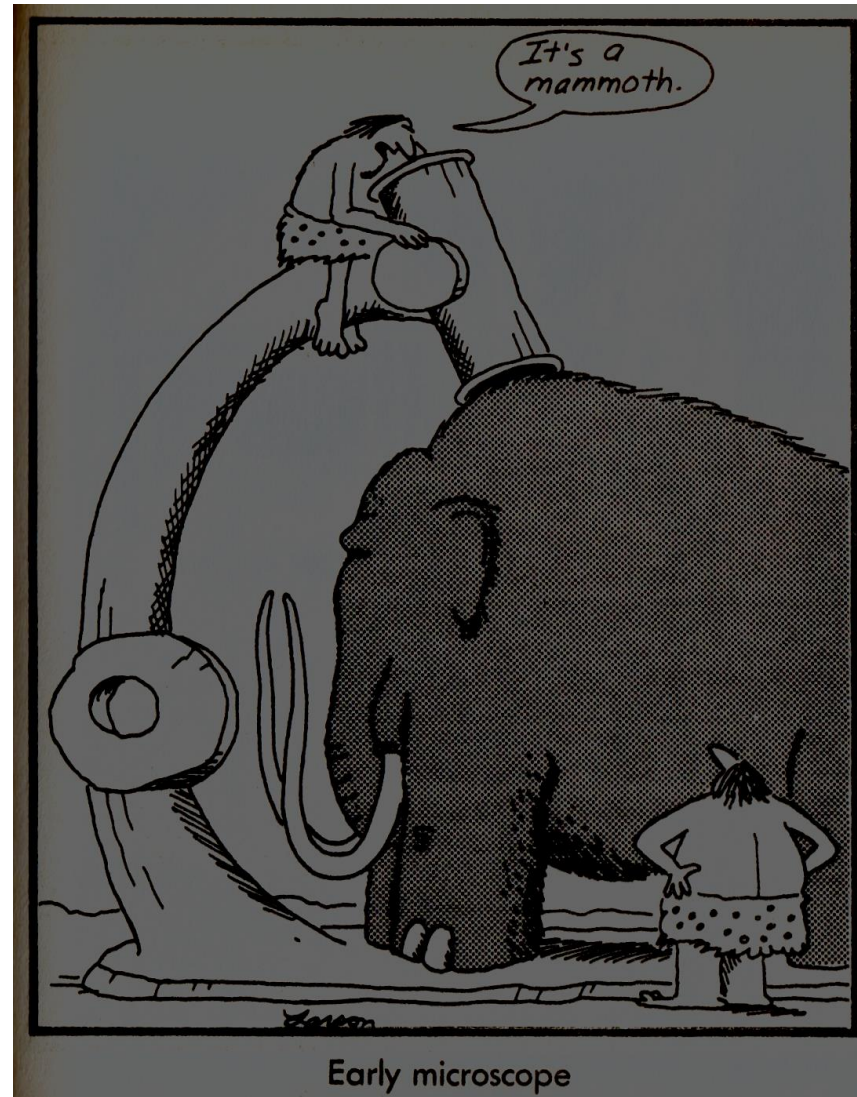


# Our Continuous Integration tools

- Each PR is processed by TravisCI
  - Syntactatic / formatting checks with flake8 and pylint
  - Install the addons
  - Run tests using the odoo server facilities
- For most repositories, PRs are also processed by the OCA runbot
  - This can be used to test the addons interactively
- Demo: <https://github.com/OCA/partner-contact/pull/126>



# Code Reviews



© Gary Larson



# Reviewing a PR (1/3)

- Check travis status
  - If red, figure out why (failure unrelated to the PR, flake8 issue, broken test...)
- Read the information available to understand what the PR does
  - Commit message, README file...
  - If not clear ask the submitter for more information



# Reviewing a PR (2/3)

- Connect on runbot and try to use the module
  - Comment on usability issues on the PR
  - Include screen shots (easy to do on github)
  - Check for corner cases you can think of
- If you are able to do this, check the code
  - Watch for untested places in the code
  - Think of other modules you know, and how this one will interact with them



# Reviewing a PR (3/3)

- Check the OCA coding conventions
- Watch for issues for which we have no checks for now
  - Programming errors, bad API usage
  - Obscure code
  - Missing translations
  - ...
- When happy, say `:+1:`





# Proposing a new project

- You feel something is missing in the OCA landscape
  - Did you really check everywhere?
  - Ask on the contributors mailing list
  - Ask on Odoo community mailing list too
  - Gather people wanting to work on the topic
  - <https://odoo-community.org/page/suggest-a-project>



# Becoming a member



© Gary Larson



# Becoming a member

- It is not required to be a member of the association to be a contributor
- Still, it is nice to support the association
  - Membership is for individuals only (no for-profit companies)
  - Your membership fees help cover for the runbot server costs, code sprint organisation costs...
  - <https://odoo-community.org/shop>



**to camp** 

**camp**to**camp**

INNOVATIVE SOLUTIONS  
BY OPEN SOURCE EXPERTS