



The Apache Incubator
Raising up projects. Raising the world.
by
Justin McLean and Myrle Krantz

The ASF Incubator





Who are we?

We are both individual contributors to Apache Foundation projects.

- **Justin McLean**

- Mentor and release enthusiast, Apache Incubator
- V.P. Apache MyNewt, V.P. Apache Incubator

- **Myrle Krantz**

- Individual contributor, Apache community development
- V.P., Apache Fineract



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APACHE[®] SOFTWARE FOUNDATION
<http://www.apache.org/>

The Apache Software Foundation

Open source software for the public good.

The Apache Incubator

Software communities can make the world a better place. Here's a practical how-to.



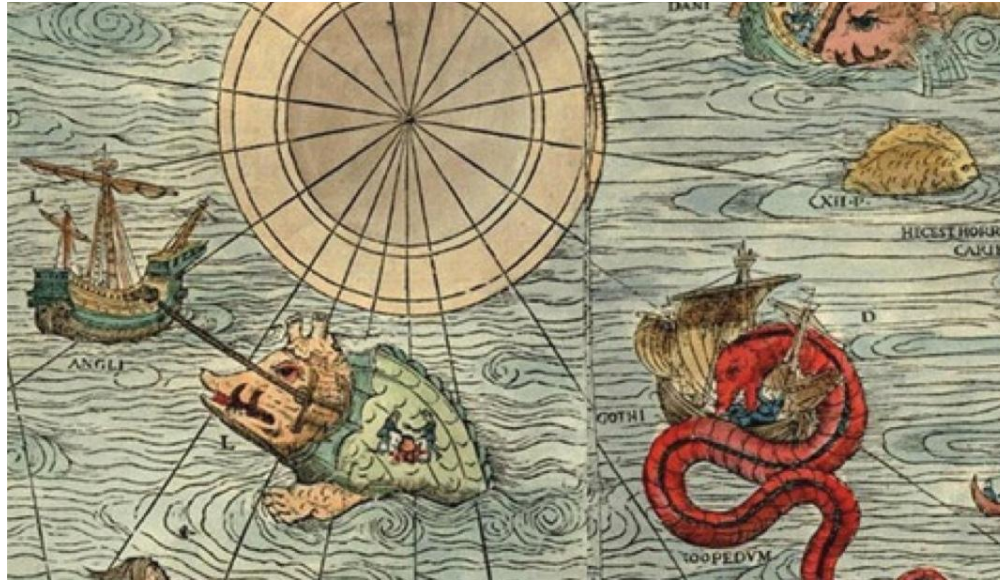
Outline - Overview

This presentation will cover:

- **ASF Incubation** - the incubation process explained
- **Global Poverty** - a Really Hard Problem™
- **Apache Fineract** - from Incubation to TLP
- **How to succeed** - community is key

I am not a lawyer

***This is not
legal advice.***





Apache Foundation Incubator

***What is the
Apache
Incubator?***

- ✓ Communities
- ✓ Apache Way
- ✓ Entry point



Why Bring your Project to Apache?

What Apache is about?

- ✓ Open Collaboration
- ✓ Grow Community
- ✓ No BDFLs
- ✓ Individuals



Why go through an incubating process?

***Why the
incubator
process is
important to a
project?***

- ✓ Check IP & licensing
- ✓ Learn Apache Way
- ✓ Learn ASF Policies



The Apache Way

***What is The
Apache Way?***



Collaboration



Community



Consensus



Open



The Apache License

The Apache License V2 is permissive.

- ✓ Open Source
- ✓ Permissive
- ✓ Commercial use
- ✓ No legal issues



Incubator: State of Play

***Where the
incubator is
currently.***

- ✓ 50+ projects
- ✓ 1-2 years
- ✓ ~10 releases/month



How to get into the incubator

***What you
need to do to
get accepted.***

- ✓ Champion
- ✓ Draft proposal
- ✓ Mentors
- ✓ Discuss and vote



Acceptance into the Incubator

***Bootstrap a
podling.***

- ✓ Bootstrapping
- ✓ Mail list / website
- ✓ ICLAs
- ✓ Software grant



What to do during Incubation

***Slowly
becoming a
top level
project.***

- ✓ Scrub IP
- ✓ Make releases
- ✓ Grow community



Build a community

***How to grow
your
community.***

- ✓ Async comms
- ✓ Open decisions
- ✓ Independence
- ✓ Diverse



How to get out of the Incubator

***How to
become a top
level project.***

- ✓ Decide when ready
- ✓ Self government
- ✓ Discuss and IPMC
Vote



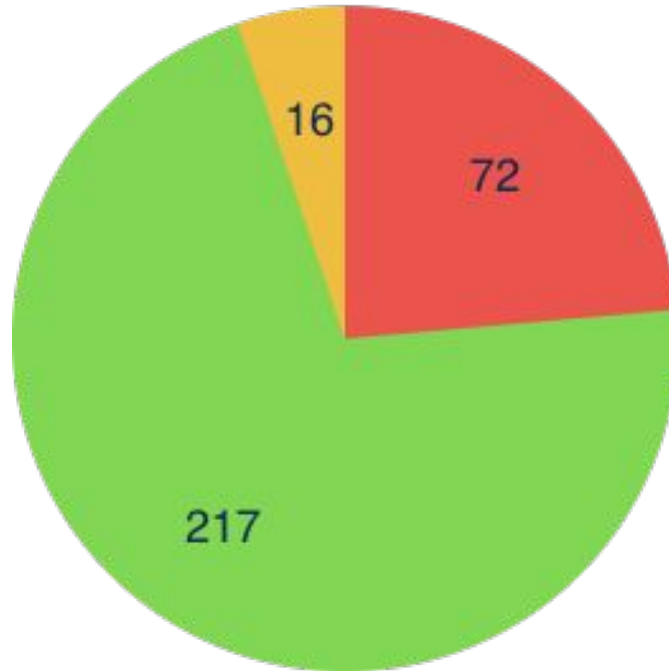
Voting on an Apache Release

Apache releases must be voted on.

- ✓ Vote on list
- ✓ 3 +1 and +1 > -1
- ✓ Vote on Incubator
- ✓ Minimum 72 hours

How I have voted on incubator releases

+1, +0 or -1?





It doesn't have to be perfect

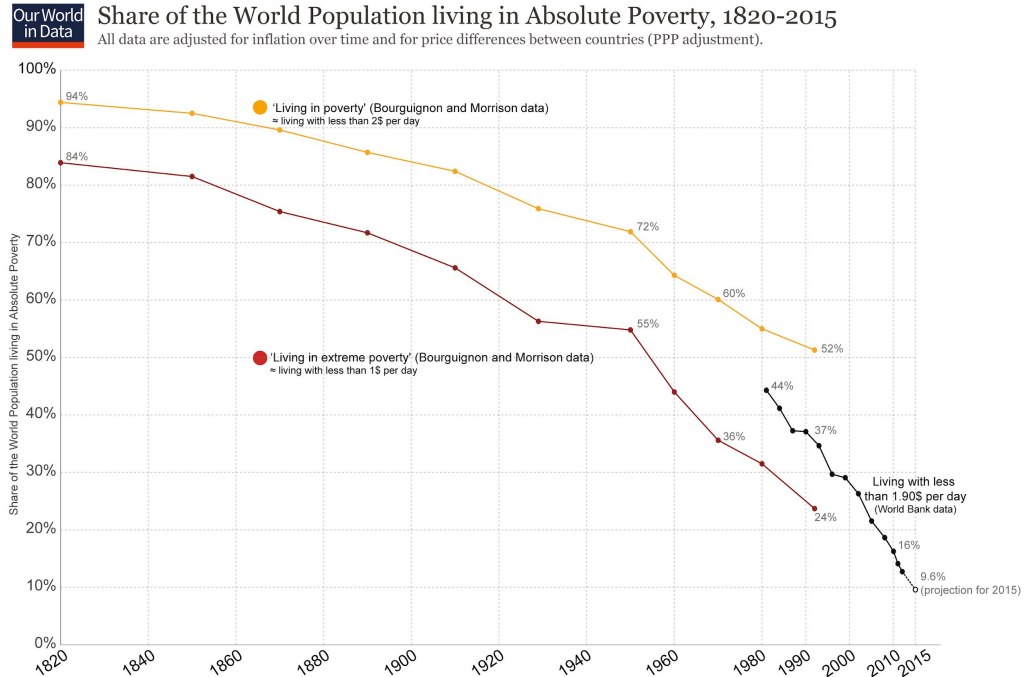
***Better each
time by small
steps.***

- ✓ It's your first time
- ✓ Unfamiliar policy
- ✓ Not covered
- ✓ No surprises



Global Poverty: a Really Hard Problem

*Or is
it?*



Data sources: 1820-1992 Bourguignon and Morrison (2002) - Inequality among World Citizens, In The American Economic Review; 1981-2015 World Bank (PovcalNet)

The interactive data visualisation is available at OurWorldInData.org. There you find the raw data and more visualisations on this topic.

Licensed under CC-BY-SA by the author Max Roser.

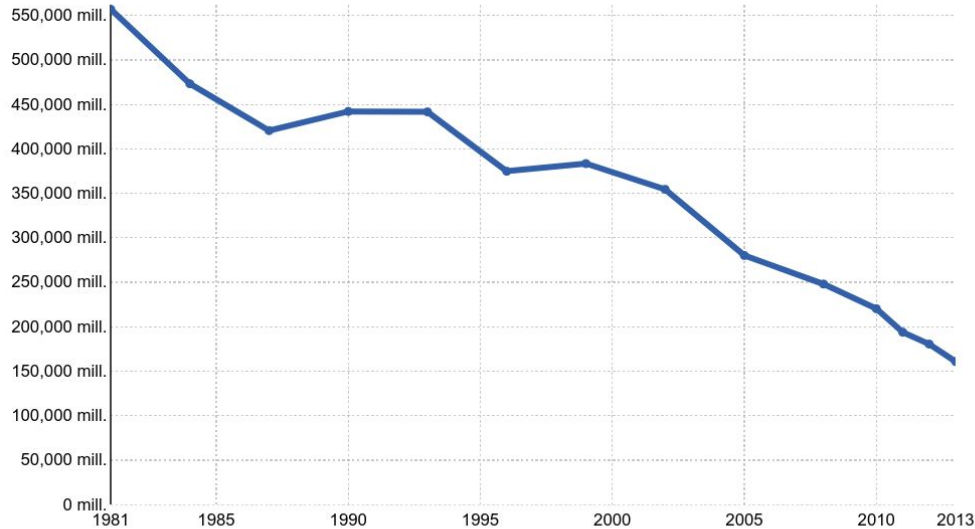


Global Poverty: a Really Hard Problem

So what's the solution?

The global poverty gap (in million international-\$)

The poverty gap is the amount of money that would be theoretically needed to lift the incomes of all people in extreme poverty up to the international poverty line of \$1.90 a day. These estimates are expressed in international dollars using 2011 PPP conversion rates. This means that figures account for differences in prices levels, as well as for inflation.



Source: Cost per year of closing the poverty gap in int-\$ 2011 - PovcalNet (World Bank)

Note: The cost of closing the poverty gap does not take into account costs and inefficiencies from making the necessary transfers.

OurWorldInData.org/extreme-poverty/ • CC BY-SA



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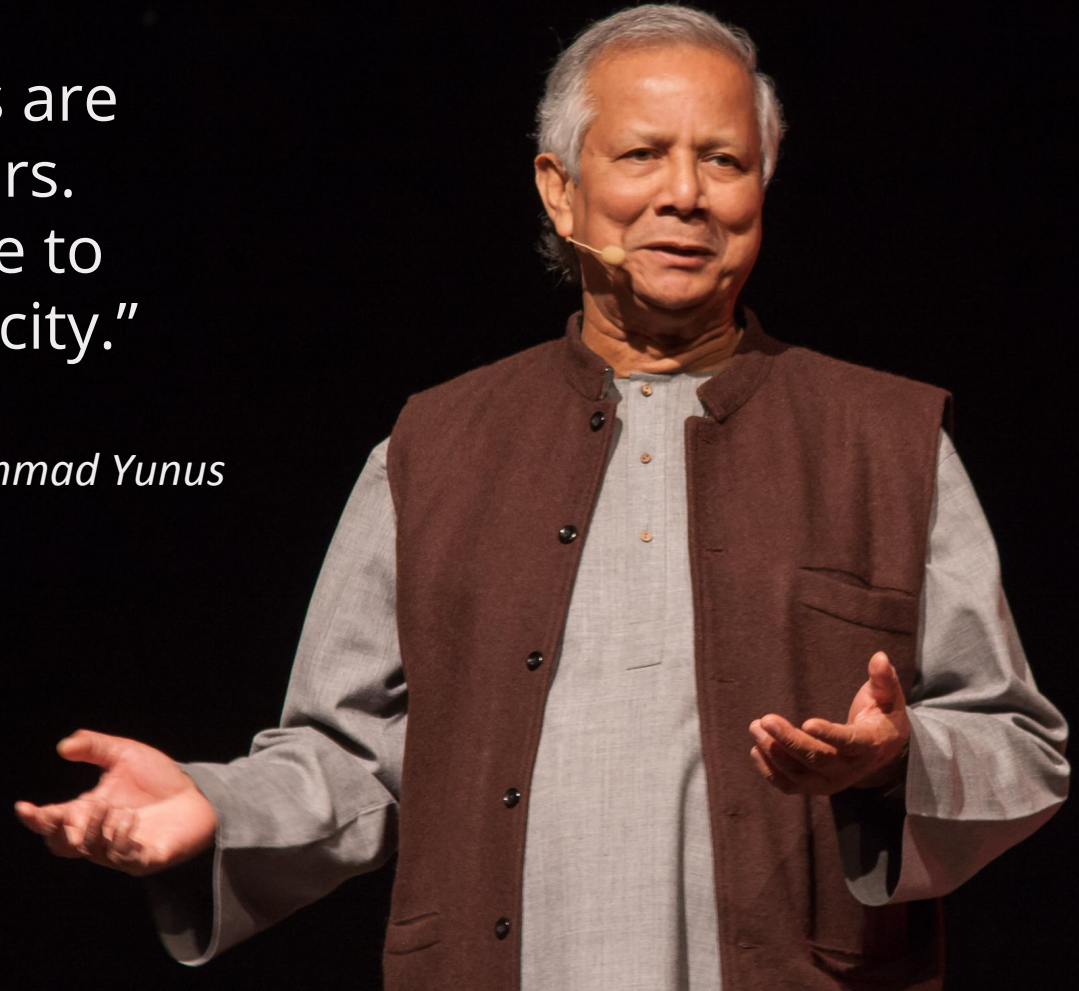
Global Poverty: a Really Hard Problem

***What is
microfinance?***

**2 Billion people
don't have
bank accounts**

“All human beings are
born entrepreneurs.
Some get a chance to
unleash that capacity.”

-Muhammad Yunus



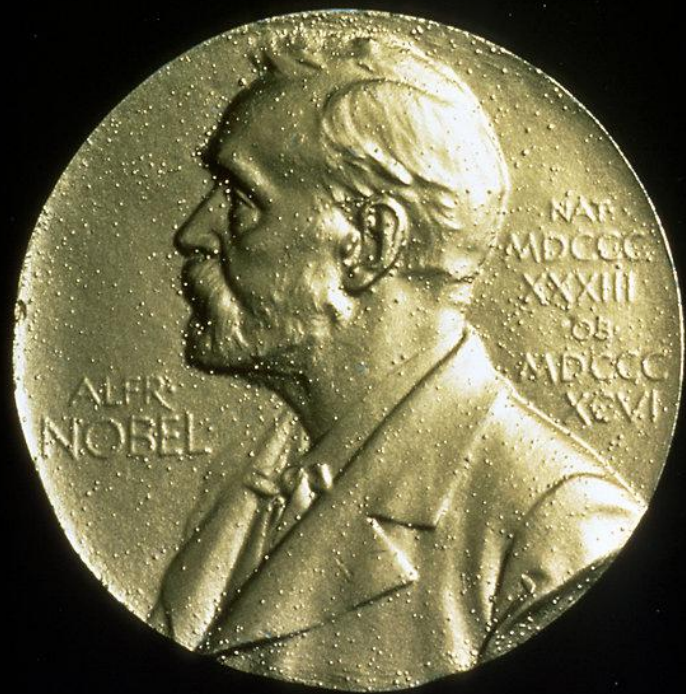


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Global Poverty: a Really Hard Problem

***But can the
poor pay it
back?***

Solidarity Lending





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Global Poverty: a Really Hard Problem

***Where do
banks get their
infrastructure?***

**Accounting is
the oldest
application in
computing**



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Global Poverty: a Really Hard Problem

***How did this
project come
to Apache?***



Apache Fineract: from Incubation to TLP





Apache Fineract: from Incubation to TLP

***How do we
start?***

- ✓ Find champion
- ✓ Pick project name
- ✓ Analyze code
- ✓ Write proposal



Apache Fineract: from Incubation to TLP

***How do we
make our first
release?***

✓ Try,

✓ try,

✓ try,

✓ and try again.



Apache Fineract: from Incubation to TLP

***How do we
grow the
community?***

- ✓ Recognize contributors
- ✓ Propose, discuss, vote



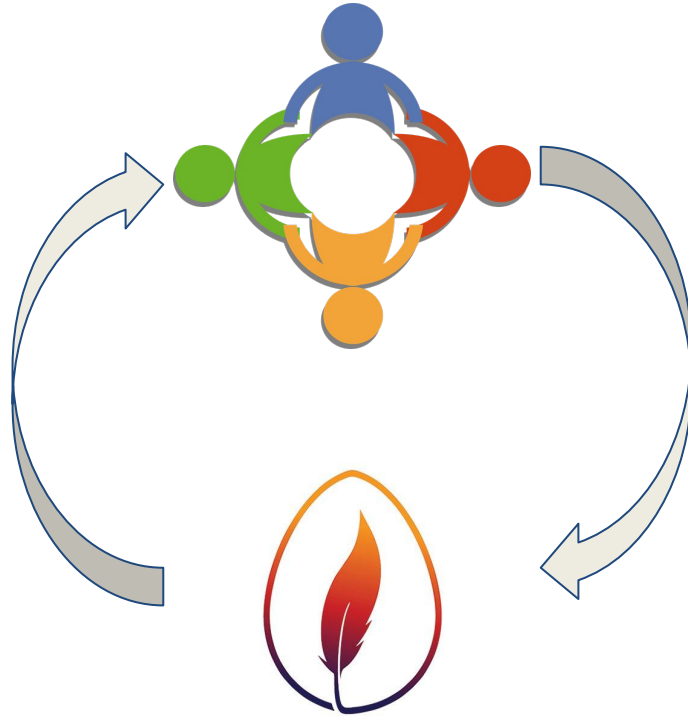
Apache Fineract: from Incubation to TLP

How do we graduate?

- ✓ Evaluate yourself
- ✓ Propose, discuss, vote in Incubator
- ✓ Submit to board

How to succeed: **community** is key

***What do
Apache
projects have
in common
with solidarity
groups?***





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Conclusion

Make the world a better place
Contribute to a community

Questions

Ask now or contact
<general@incubator.apache.org>
with any questions!