



State of Drupal

DrupalCon Paris 2009

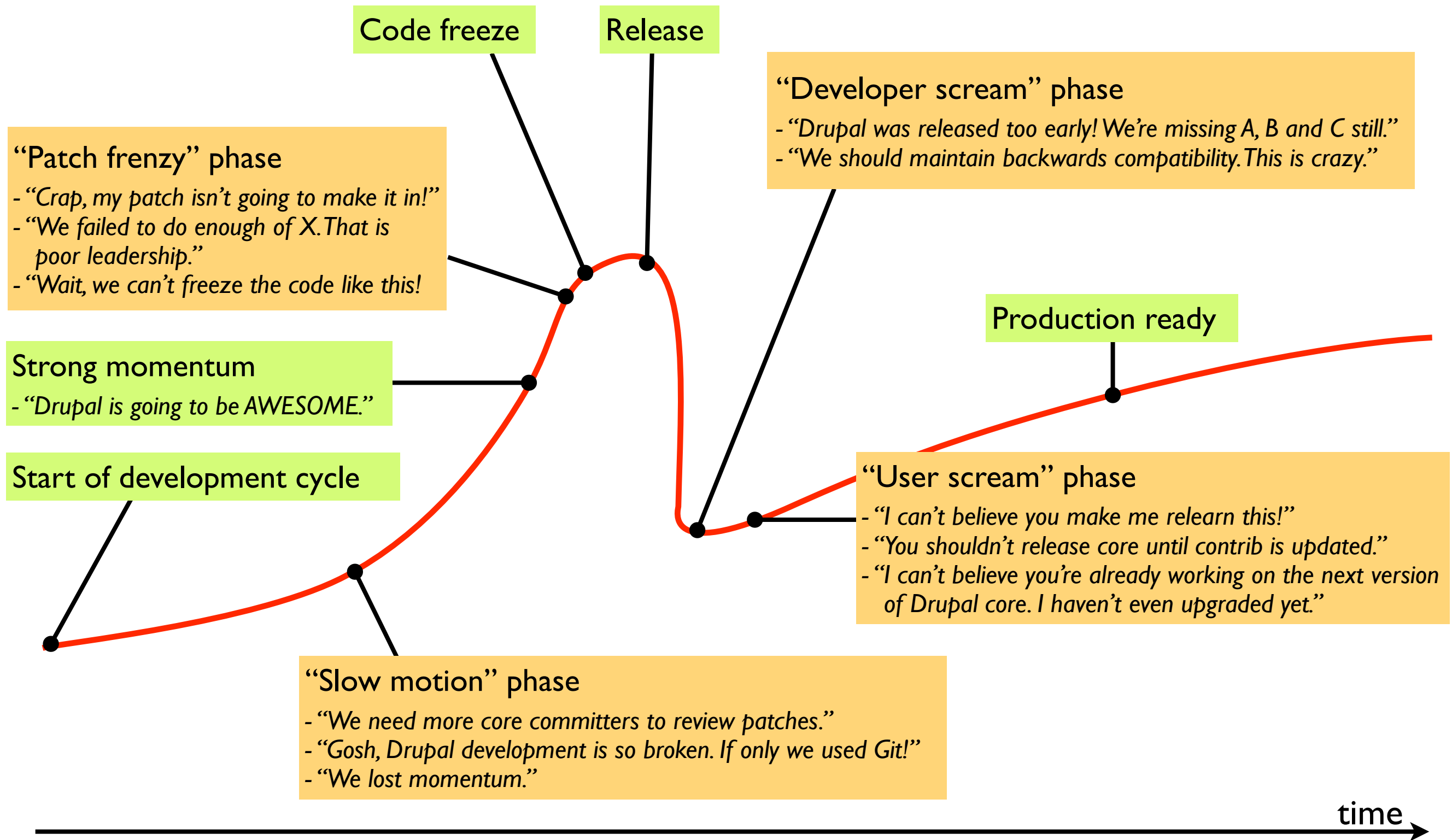
Dries Buytaert

<http://buytaert.net> :: <http://twitter.com/dries>

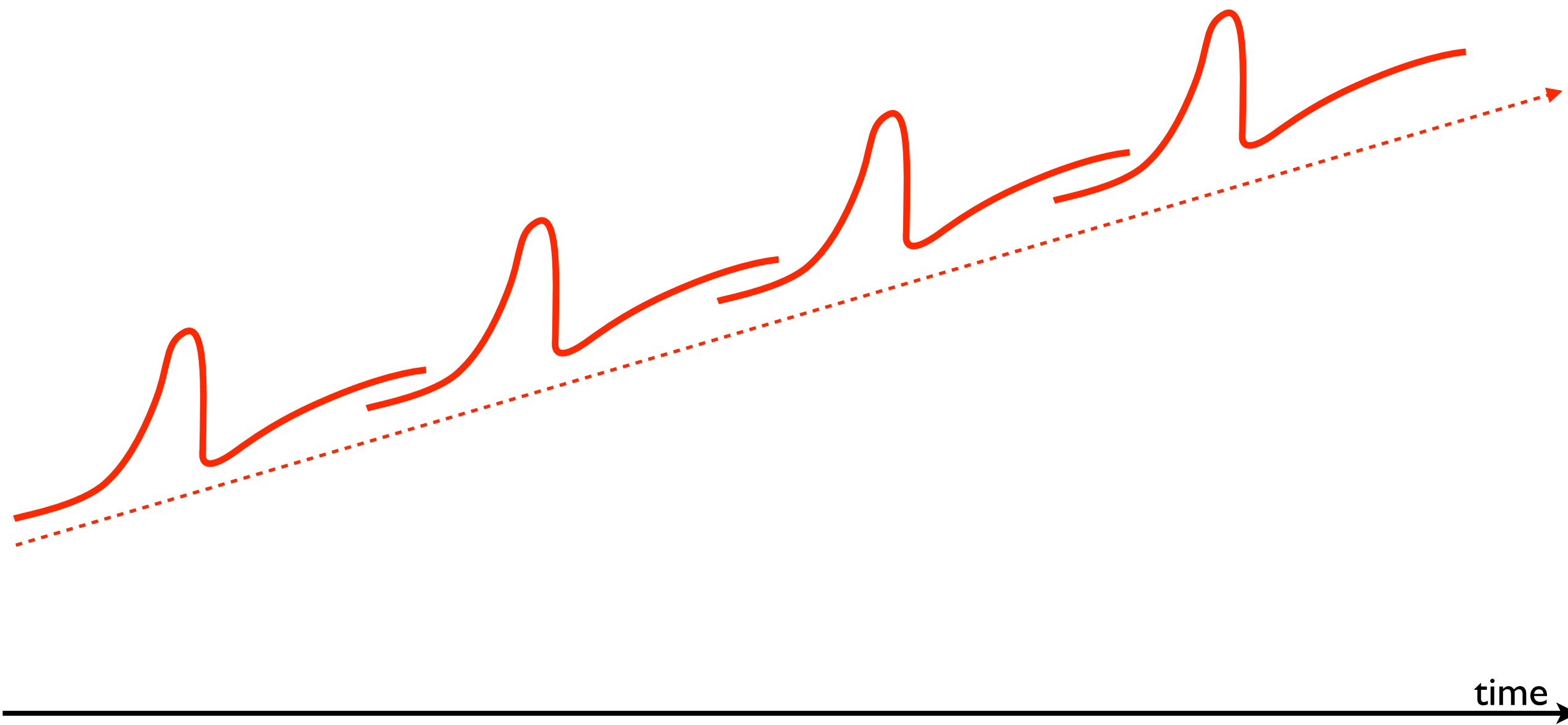


Are we freezing the code?









Nikolai Kondratiev

Economist, 1892-1938



Described fifty to sixty-year
long waves of economic
prosperity and depression

Joseph Schumpeter

Economist, 1883-1950



Radical innovation drives
recurring cycles of “creative
destruction”

Paul Saffo



- Overestimating short-term benefits, underestimating long-term benefits of innovations
- Cycle of expectation and disappointment is an essential part of the innovation process

We're normal!

Gartner

Jackie Fenn and Mark Raskin



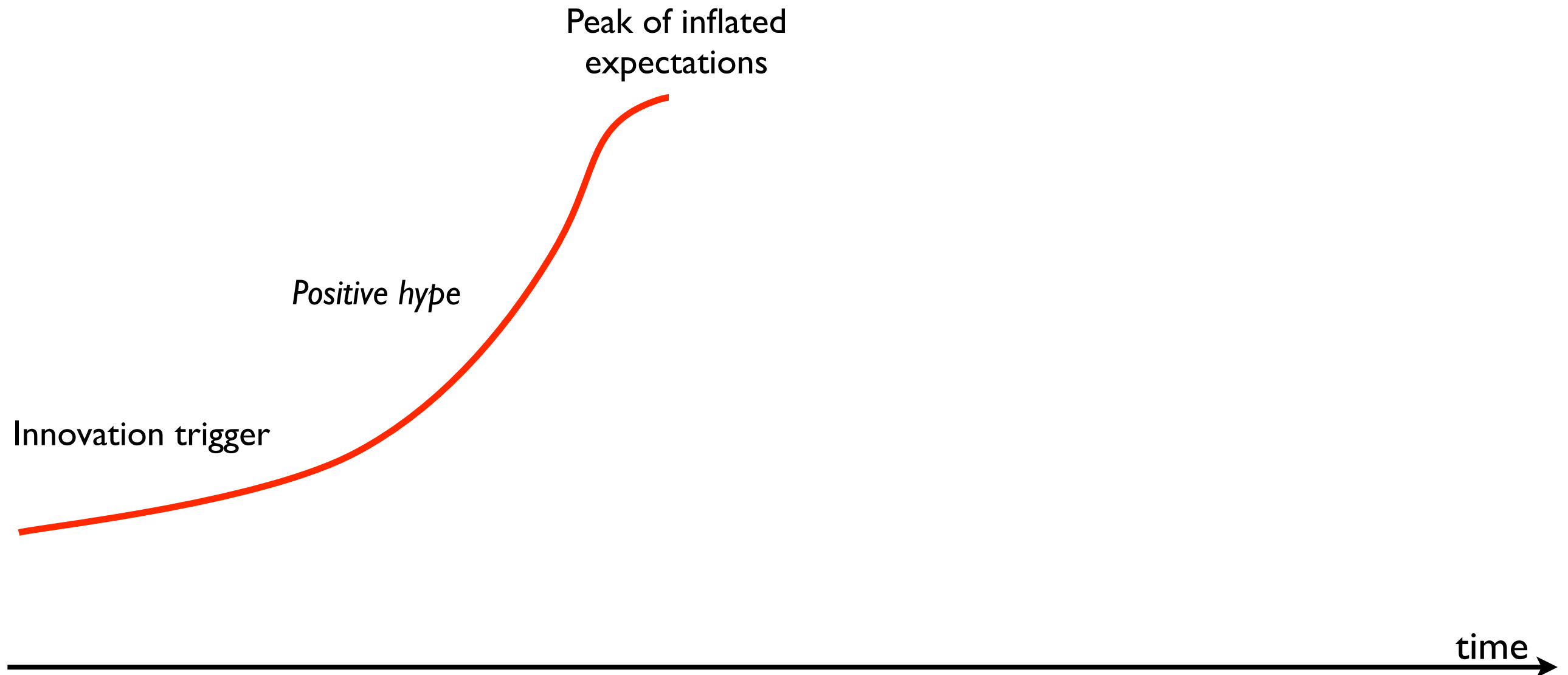
Gartner's hype cycle

Innovation trigger

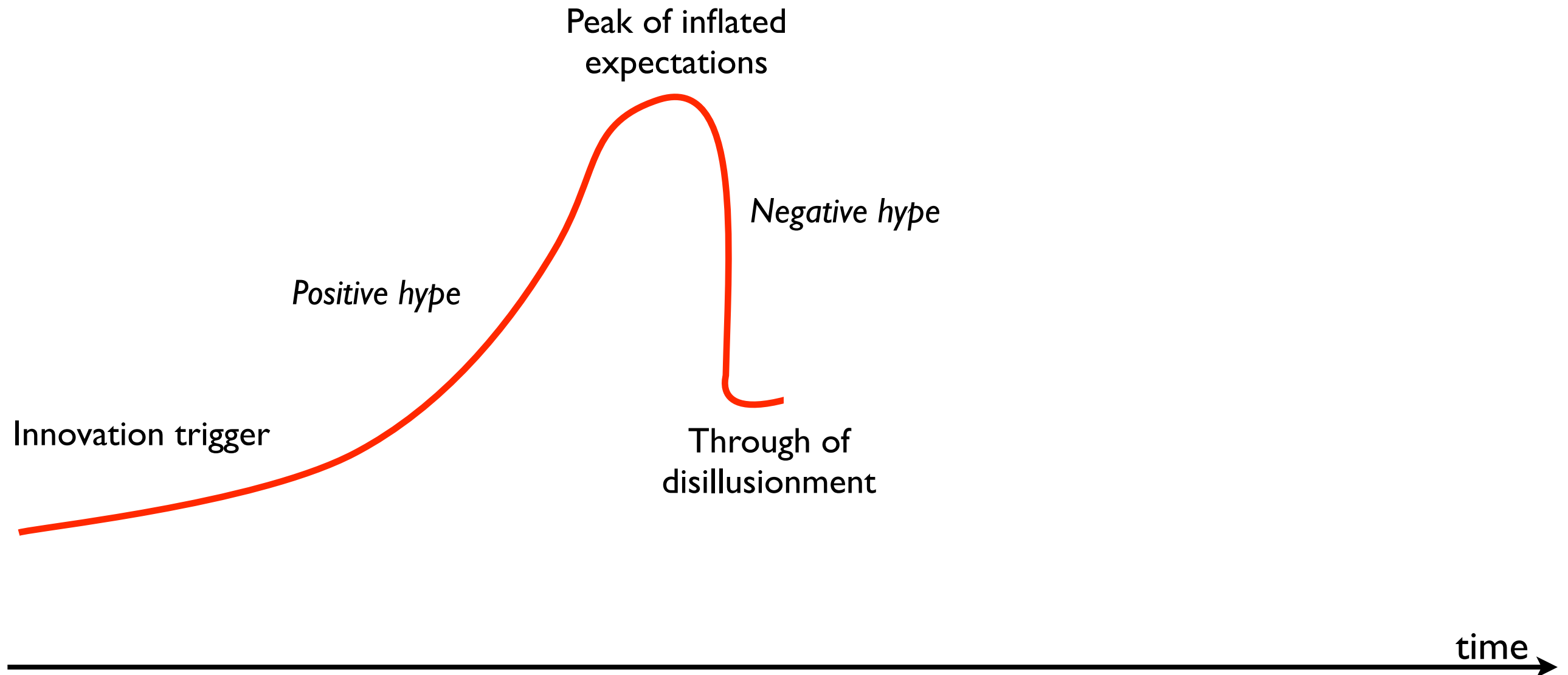


time →

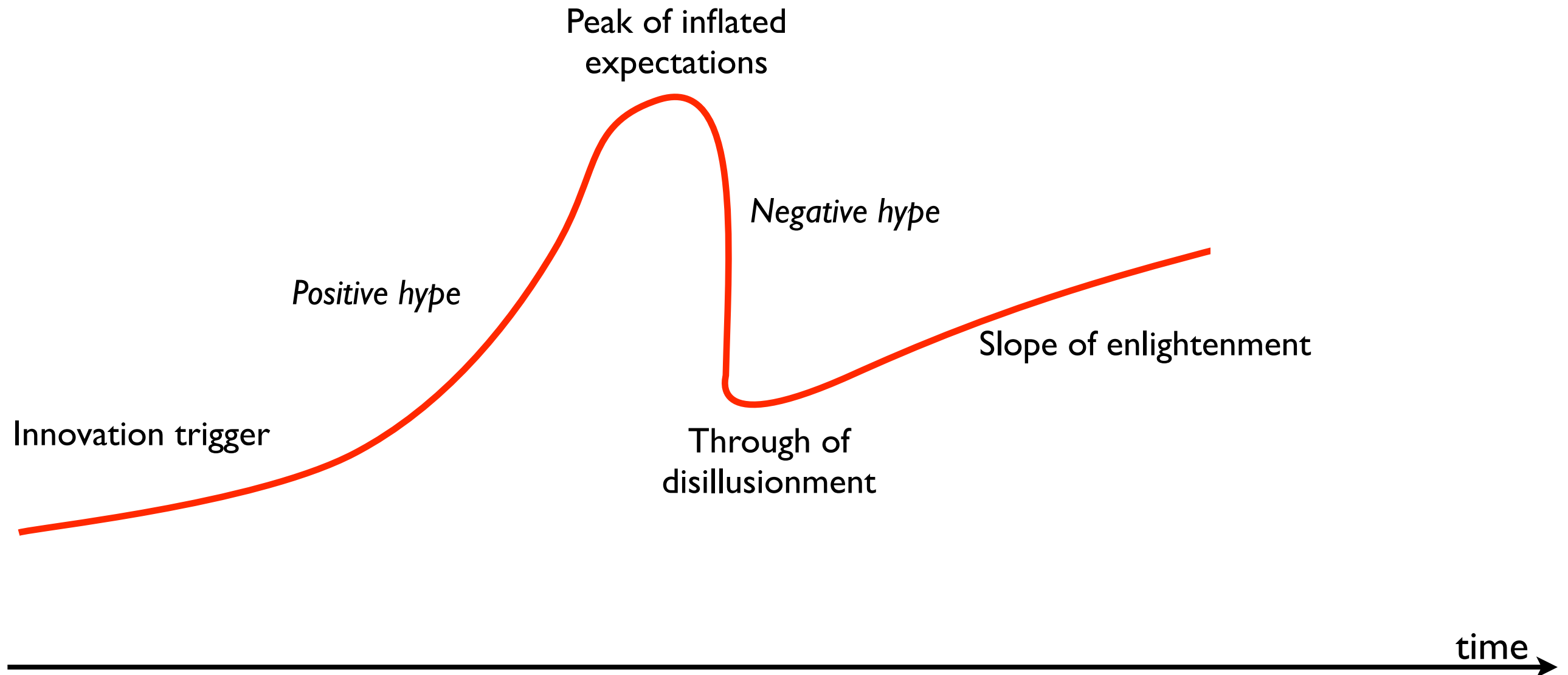
Gartner's hype cycle



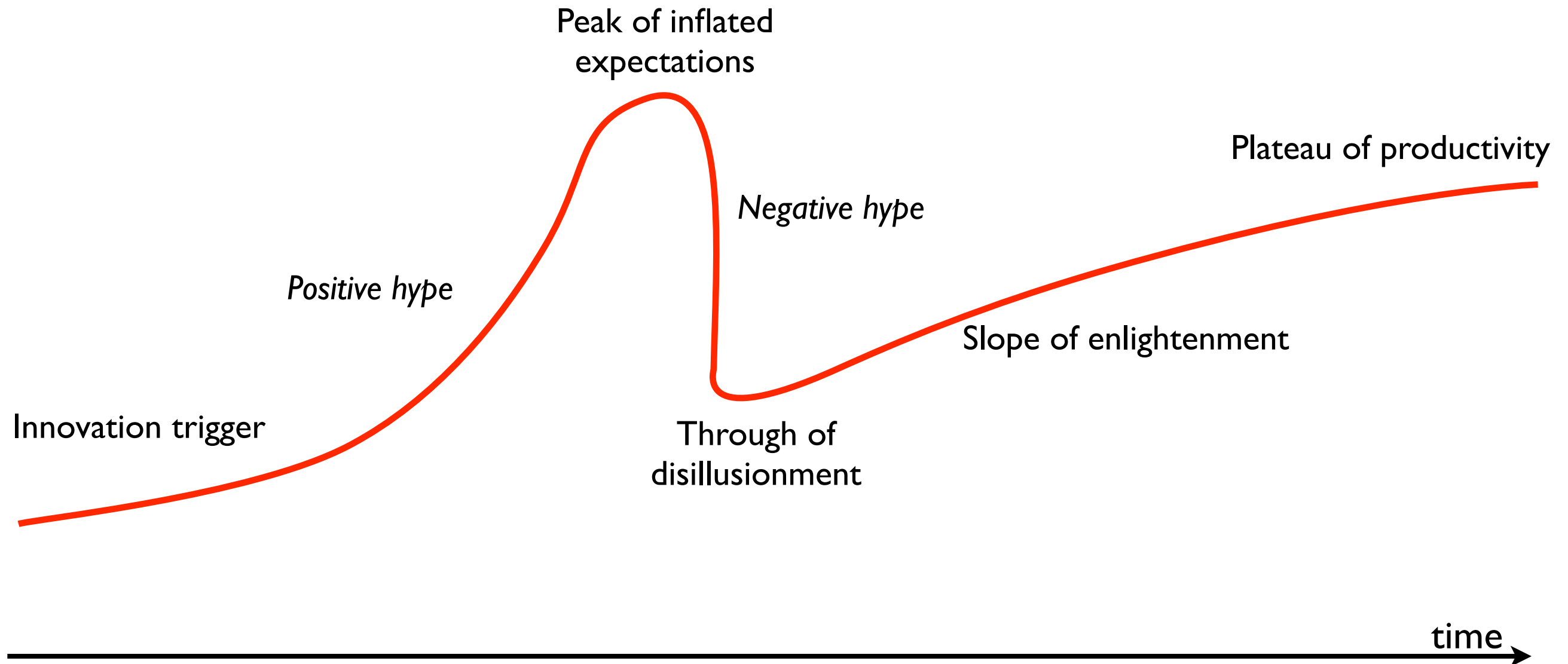
Gartner's hype cycle



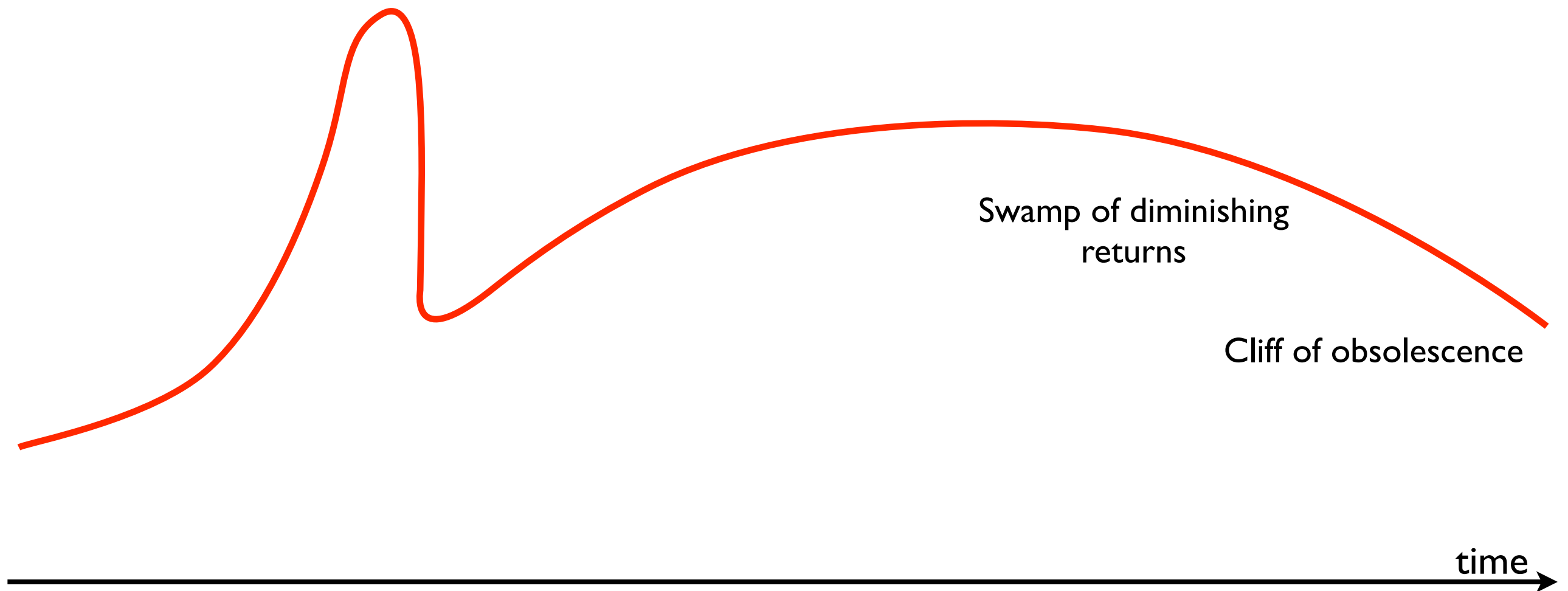
Gartner's hype cycle

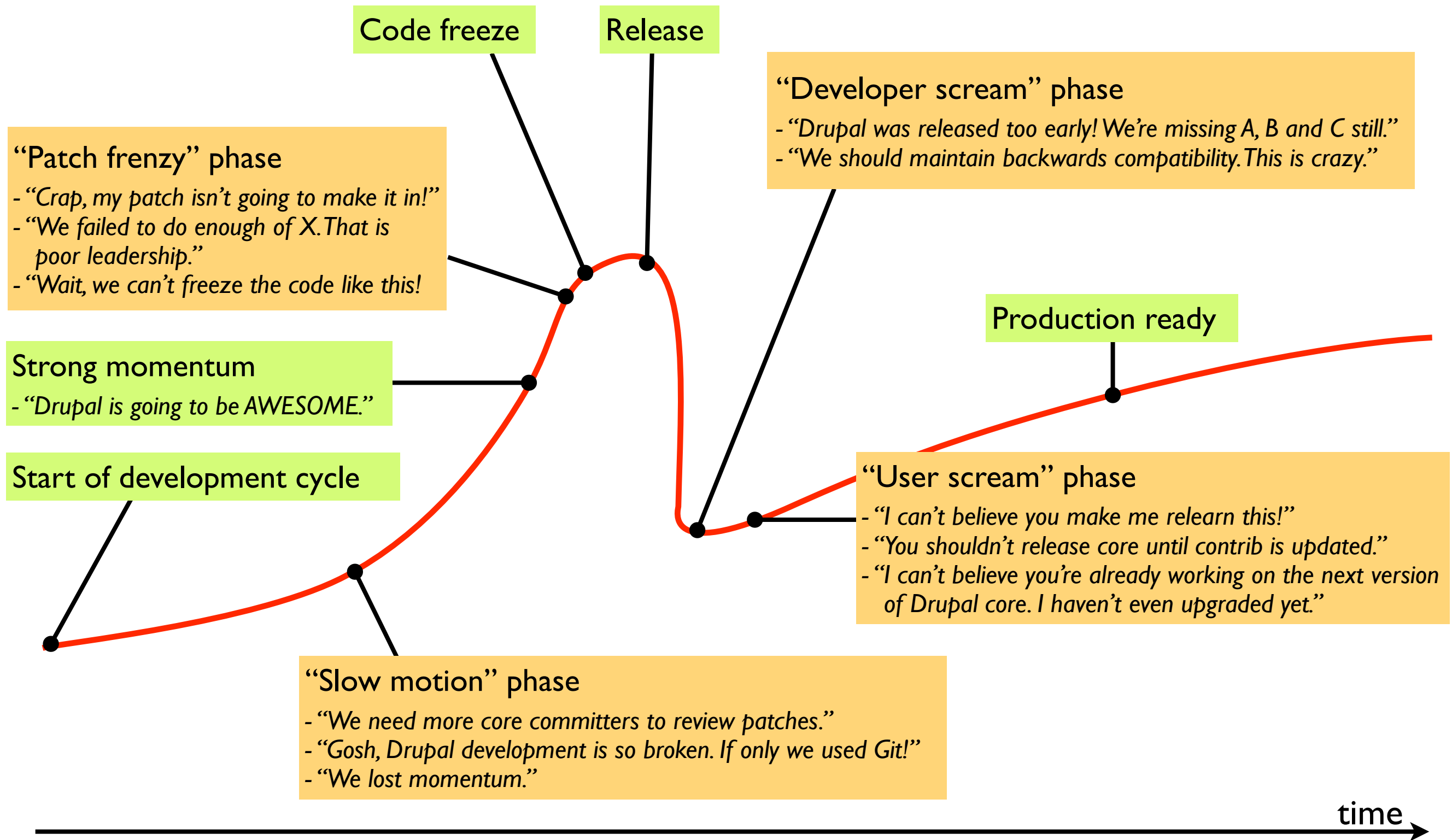


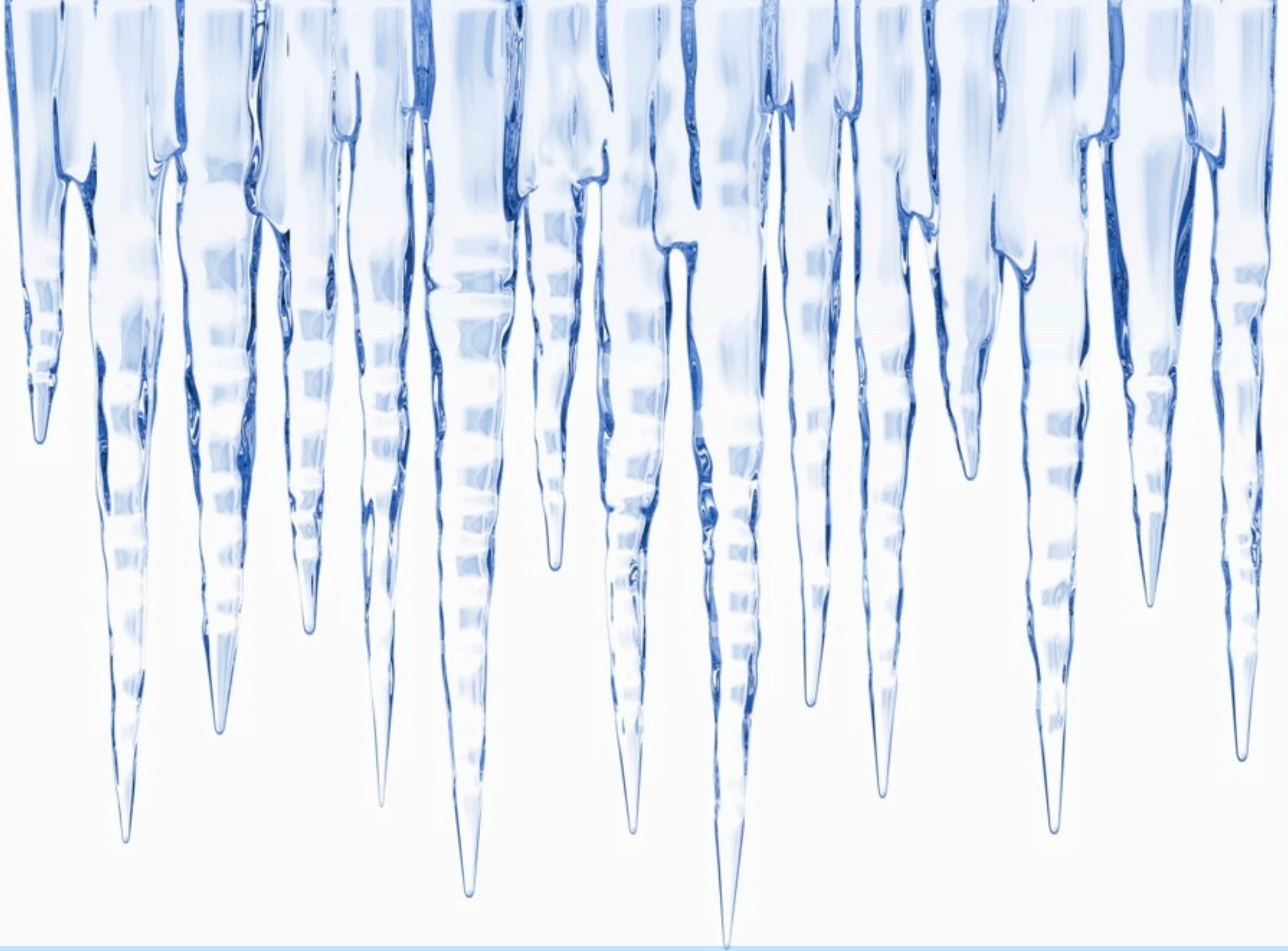
Gartner's hype cycle



Gartner's hype cycle

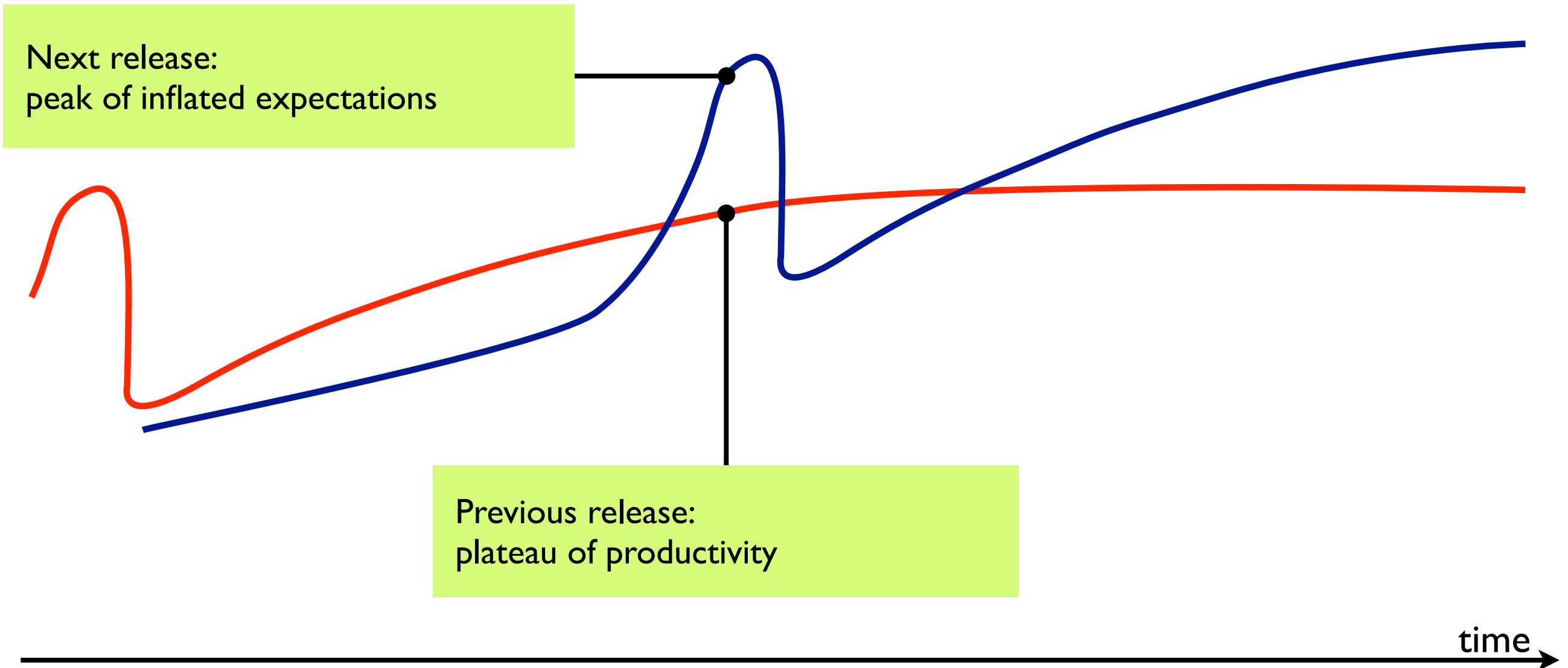






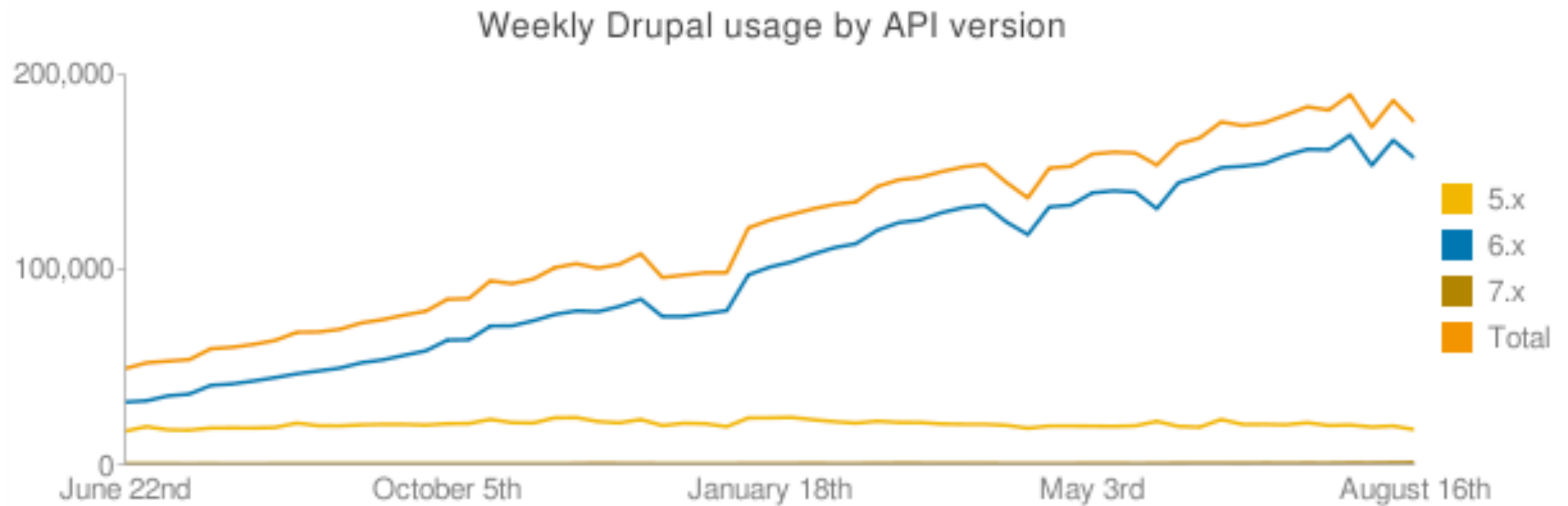
Are we freezing the code?

When to freeze the code?



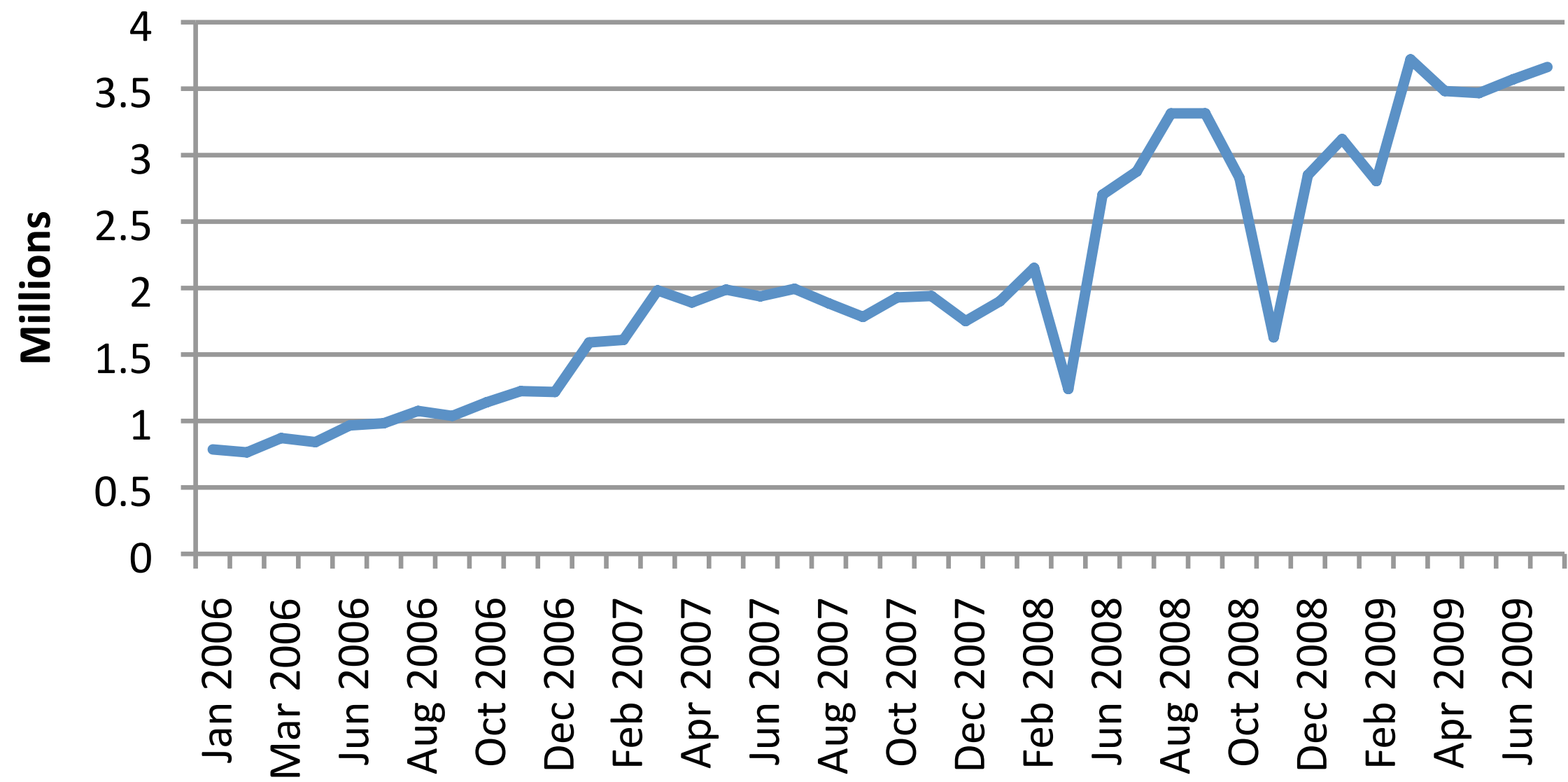
Plateau of productivity for
Drupal 6?

Install base



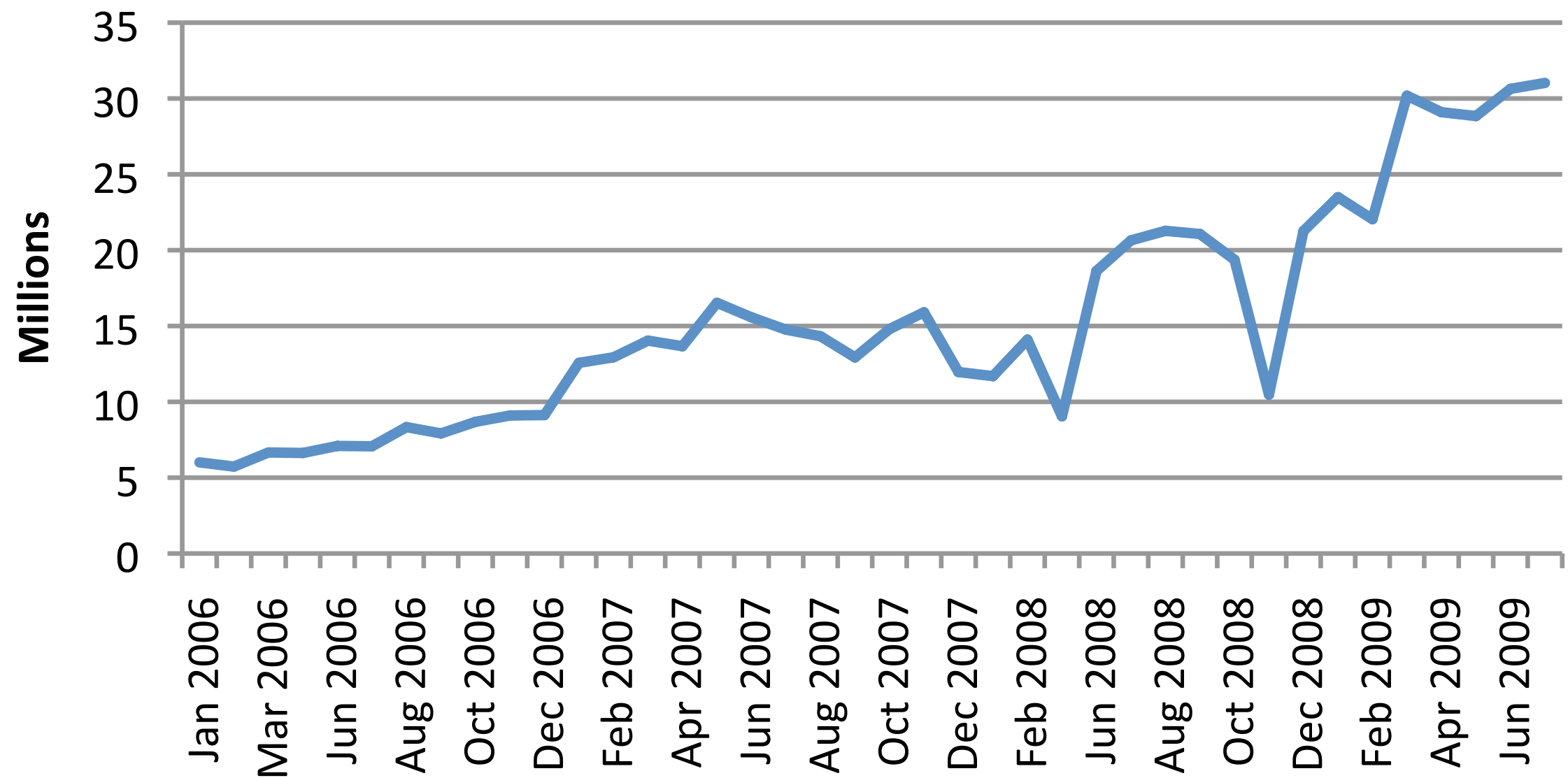
Source: <http://drupal.org/project/drupal/usage>

Number of visits



Source: awstats from drupal.org

Pages



Source: awstats from drupal.org

Get Involved

[About java.net](#)
[Request a Project](#)
[Publicize your Project](#)
[Submit Content](#)
[java-net Project](#)
[Site Help](#)
[Report Inappropriate Content](#)

Get Informed

[Articles](#)
[Blogs](#)
[Events](#)
[java.net Online Books](#)
[java.net Archives](#)

Get Connected

[java.net Forums](#)
[Wiki](#)
[Javapedia](#)
[People](#)
[Partners](#)
[Jobs](#)
[RSS Feeds](#)
[Java User Groups](#)

View: [About java.net](#) | [Guiding Principles](#) | [Governance](#) | [Vision](#) | [FAQ](#) | [Terms](#)

About java.net

java.net is the realization of a vision of a diverse group of engineers, researchers, technologists, and evangelists at Sun Microsystems, Inc. to provide a common area for interesting conversations and innovative development projects related to Java™ technology. The community continues to grow with industry associations, software vendors, universities, and individual developers and hobbyists joining every day. As they meet, share ideas, and use the site's collaboration tools, the communities they form will uncover synergies and create new solutions that render Java technology even more valuable.

The more time and energy you have to interact with java.net community members, the more organizational exposure you'll gain. The return investment can come in a variety of ways, including the reputation you or your organization earn through leadership roles and contributions to the site and, perhaps more importantly, the market pulse and community needs you discover and leverage.

There are many benefits for individuals as well. Java technology enthusiasts can enhance their own reputation through participation and contributions to the collective community. By participating actively on java.net, members can learn from each other, discover solutions to programming challenges that already exist, find new colleagues and mentors, and have more fun with Java technology.

Get involved

There are many different ways that individuals, companies, universities, existing communities, and other organizations can become involved in java.net. This page describes the different levels of involvement possible and provides links to specific sections with more details:

- [Participate as an individual](#)
- [Link your site to java.net](#)
- [Federate your site with java.net](#)

We continue to win awards





Peak of inflated expectations
for Drupal 7?

New database layer

Support for master/slave replication

Support for transactions

Support for multi-insert queries

Support for delayed inserts

A much improved support for
PostgreSQL

SQLite support

MSSQL and Oracle support are now feasible

Stronger password hashes

Rate limit login attempts

Better support for WYSIWYG editors

More drag-and-drop

Added a dummy install profile

Removed comment controls

Added account cancelation

Added a built-in cron feature

Added a default administrator role

Redesigned the password strength
checker

Redesigned the add content type screen

We have a much improved filter system

Reduced number of SQL queries

Stopped writing session for anonymous
users

Fixed HTTP headers

Added support for HTTP proxies
(can improve performance up to 2000x)

Added 10,000 lines of API documentation

Added a test framework and embraced
test driven development

Wrote thousands of tests

Improved time zone support

Cleaned up many APIs

Made files first class citizens

Added support for CDNs

Removed per user themes

Removed the throttle module

Added the code registry

Removed the code registry

Removed Bluemarine theme

Removed Chameleon theme

Removed Pushbutton theme

Added Stark theme

Added Seven theme

Made various theme system improvements

Added support for thumbnails

Added support for image effects

Modules can declare RDF namespaces

Added a Field API in core
(*CCK in core*)

Node bodies are regular fields now

Made it possible to add fields to users

Made it possible to add fields to comments

Made it possible to add fields to anything

Turned taxonomy term into fields

Made the help text area a region with blocks

Made the mission statement a regular block

Made the footer a regular block

Added translation contexts

Added jQuery UI

Added better module versioning

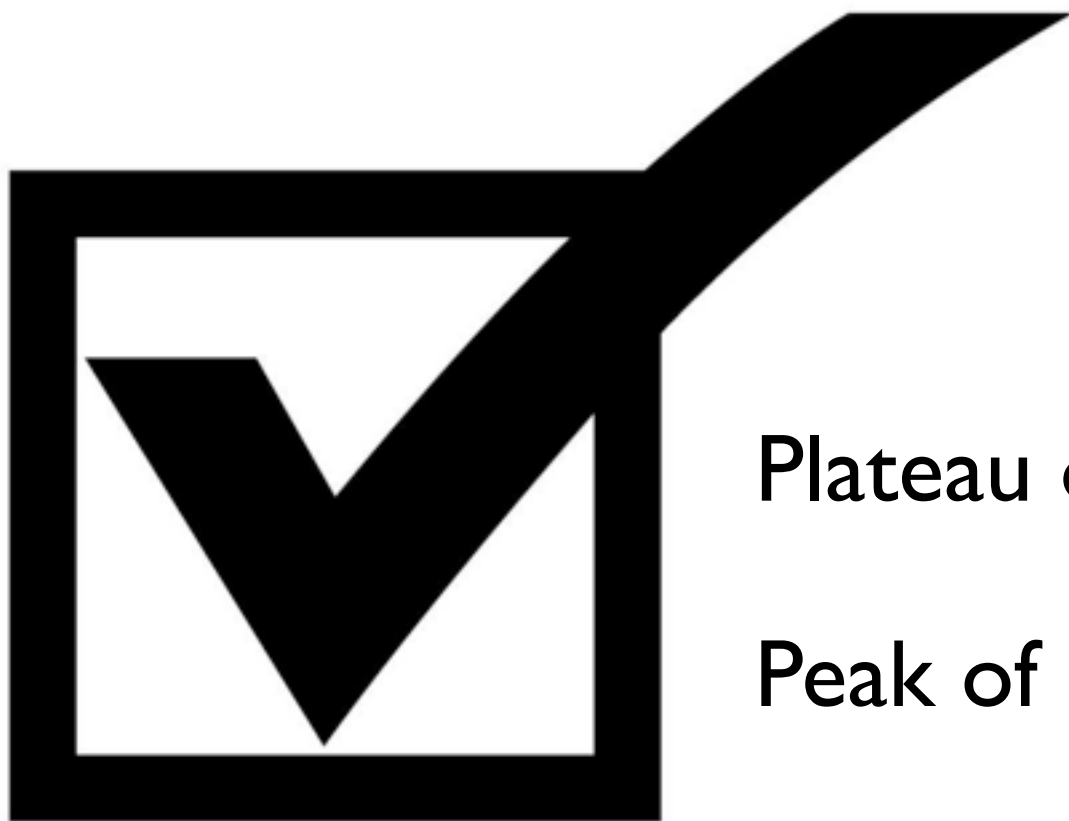
Removed the blog API module from core

Improved the node access control system



Peak of inflated expectations
for Drupal 7?

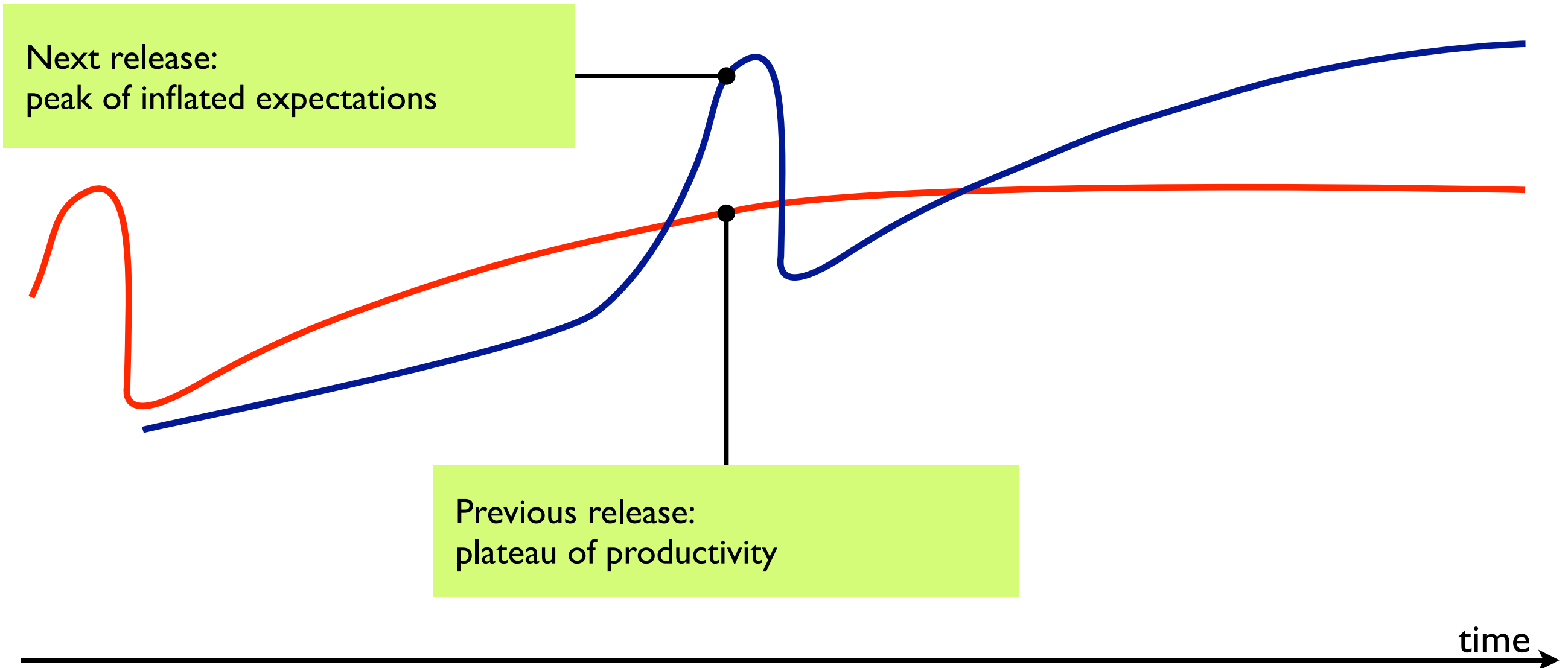




Plateau of productivity for Drupal 6

Peak of inflated expectations for Drupal 7

Where we are today



We are going to freeze
the code!





Half-baked croissants

Field API is not 100% yet

Profile module not converted yet

D7UX is still a work in progress

Test coverage OK but not stellar

Performance degraded

(my biggest concern)

SQL queries

	Drupal 6	Drupal 7
/node	103	49
/node/1	43	56
/user/1		

Details: APC enabled, XDebug off

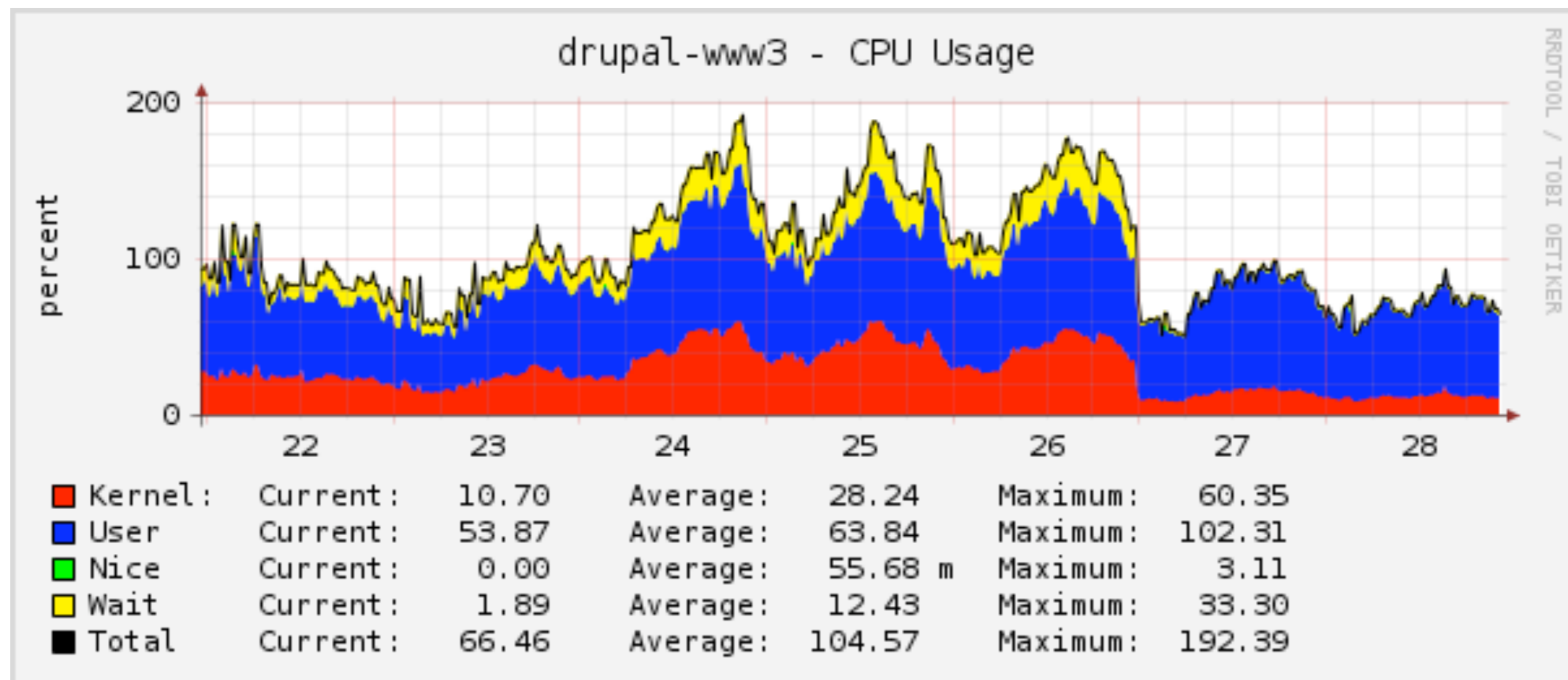
Credit: catch

Performance

	no caching	caching
/node	-20%	-12%
/node/l	-55%	-12%
/user/l	-45%	-12%

Details: APC enabled, XDebug off

Credit: catch



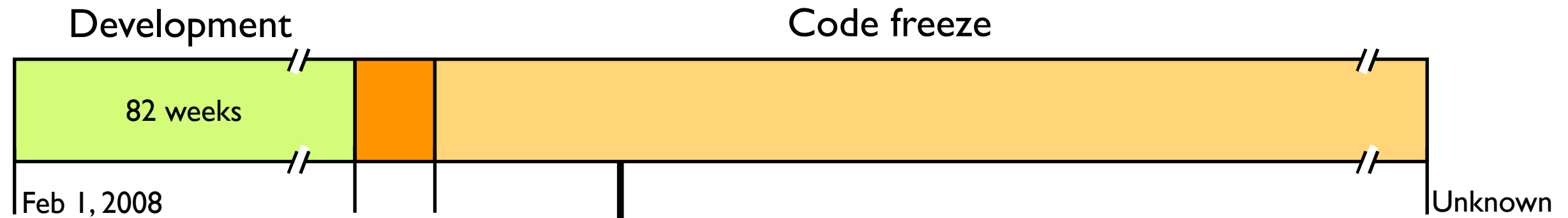


Development

Code freeze

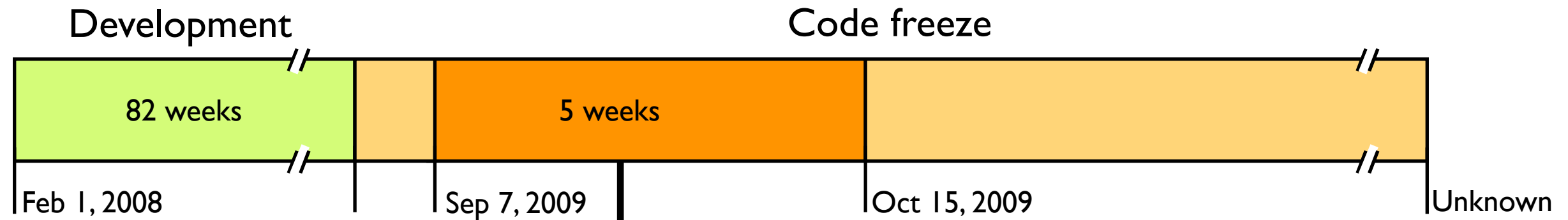


Drupal 7.0 release →



Phase one: “DrupalCon Paris”

- Still allowed: everything
- Ends Monday morning
- Make a snapshot of everything that is RTBC
- Angie and myself will review and commit those as soon we have time to

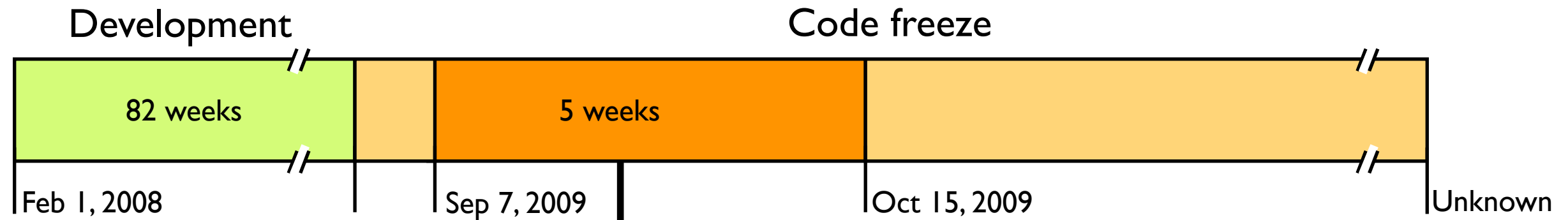


Phase two: "code slush"

- Time boxed at 5 weeks
- Not allowed:
 - New features or functionality
- Still allowed:
 - Up to 10 carefully selected exceptions for new features
 - Important API changes for existing features
 - Usability, accessibility, testing, documentation and performance
- October 15th = API freeze (including mark-up freeze and schema freeze)

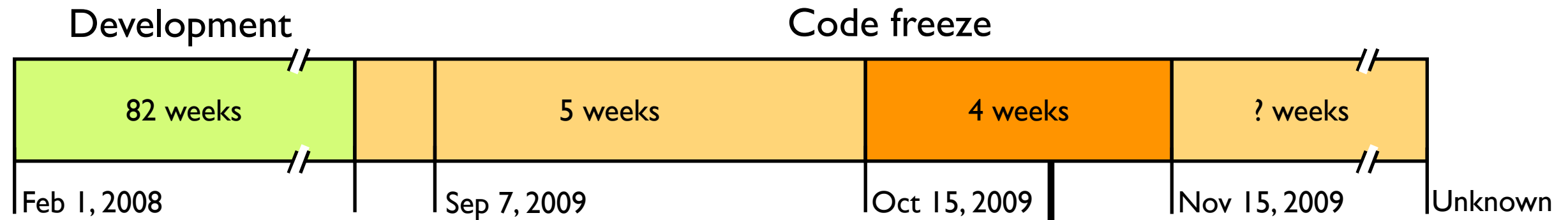
Current exceptions

1. Imagefield
2. Field translations
3. Convert profile module to field API
4. Convert taxonomy to field API
5. Overlays
6. Edit anywhere
7. Shortcuts
8. Dashboard
9. Plugin manager
10. RDF/RFDa



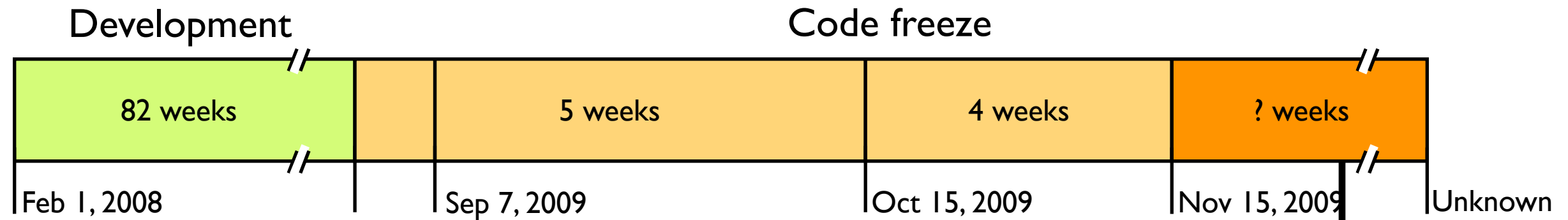
Phase two: "code slush"

- Time boxed at 5 weeks
- Not allowed:
 - New features or functionality
- Still allowed:
 - Up to 10 carefully selected exceptions for new features
 - Important API changes for existing features
 - Usability, accessibility, testing, documentation and performance
- October 15th = API freeze (including mark-up freeze and schema freeze)



Phase three: “strictly polish”

- Time boxed at 4 weeks
- Not allowed:
 - New features, API changes, mark-up changes
- Allowed:
 - Usability, accessibility, testing, documentation and performance
- November 15th = string freeze and UI freeze
- Releases: first alpha (or potentially beta)



Phase four: “bugs and release blockers only”

- Length: until all “release blockers” are fixed
- Allowed
 - Release blockers
 - Bug fixes
 - Testing
- Releases: betas and RCs

Development		Code freeze			
82 weeks		5 weeks	4 weeks	? weeks	
Feb 1, 2008		Sep 7, 2009	Oct 15, 2009	Nov 15, 2009	Unknown
Features			API freeze Upgrade path	String freeze UI freeze	
High-impact exceptions API changes existing features					
		Performance Usability Accessibility Documentation String changes and UI changes			
				Bug fixes	
				SimpleTests	

Beyond Drupal 7

Joseph Schumpeter

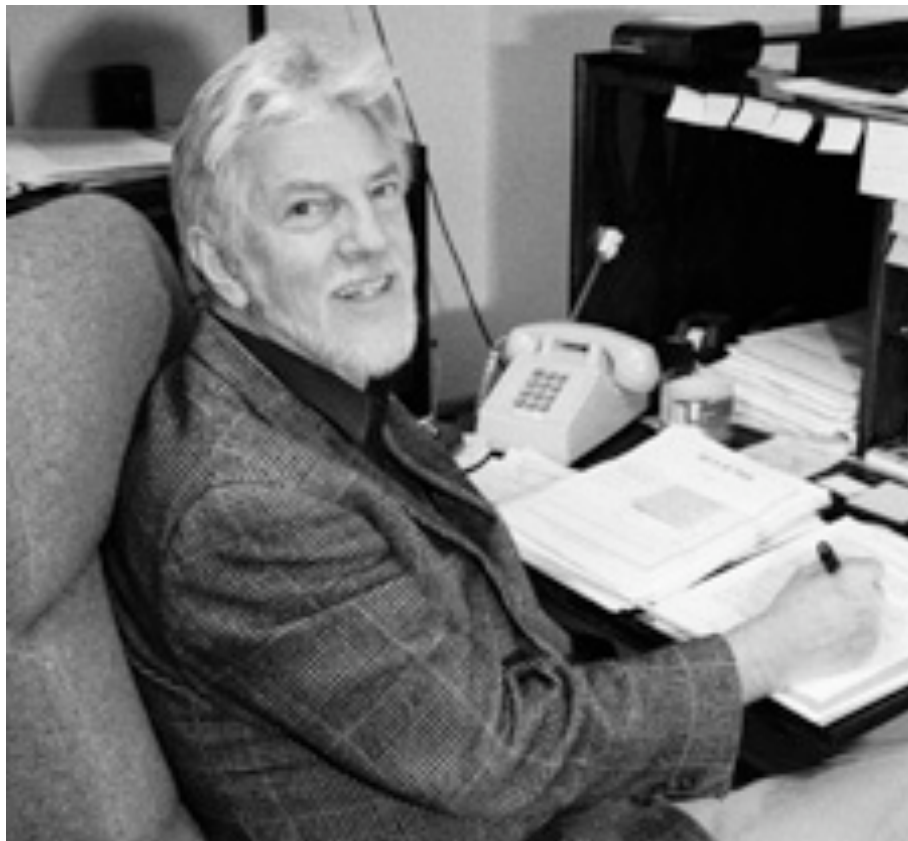
Economist, 1883-1950



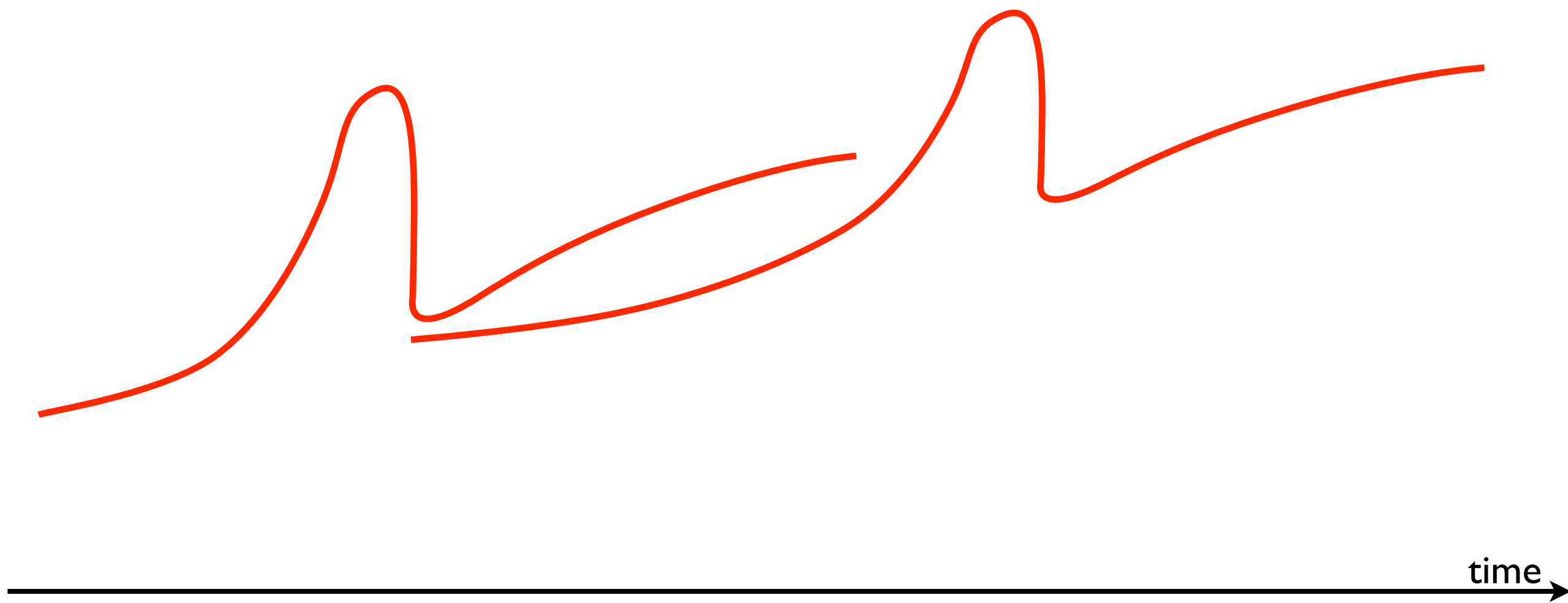
Radical innovation drives
recurring cycles of “creative
destruction”

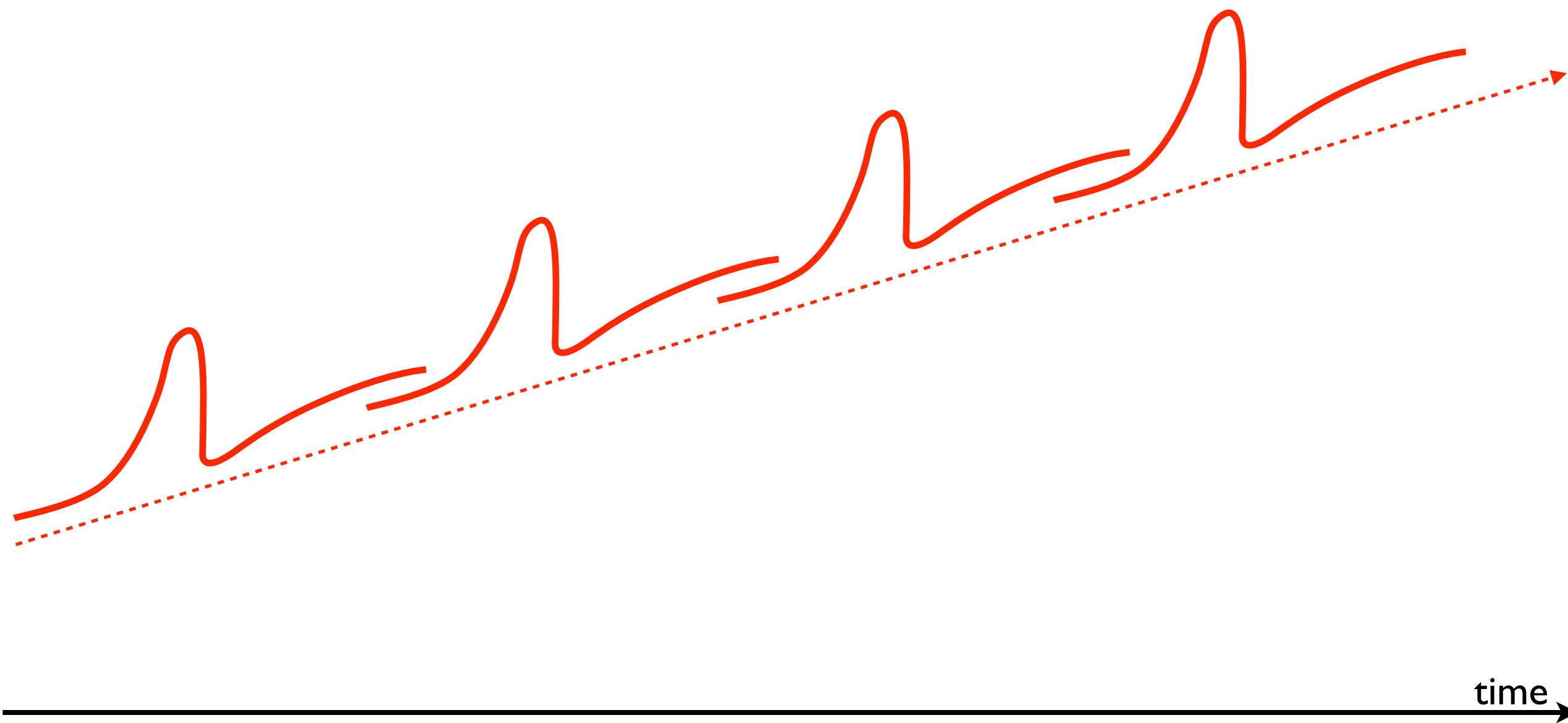
Everett Rogers

1931-2004, *Diffusion of innovations*

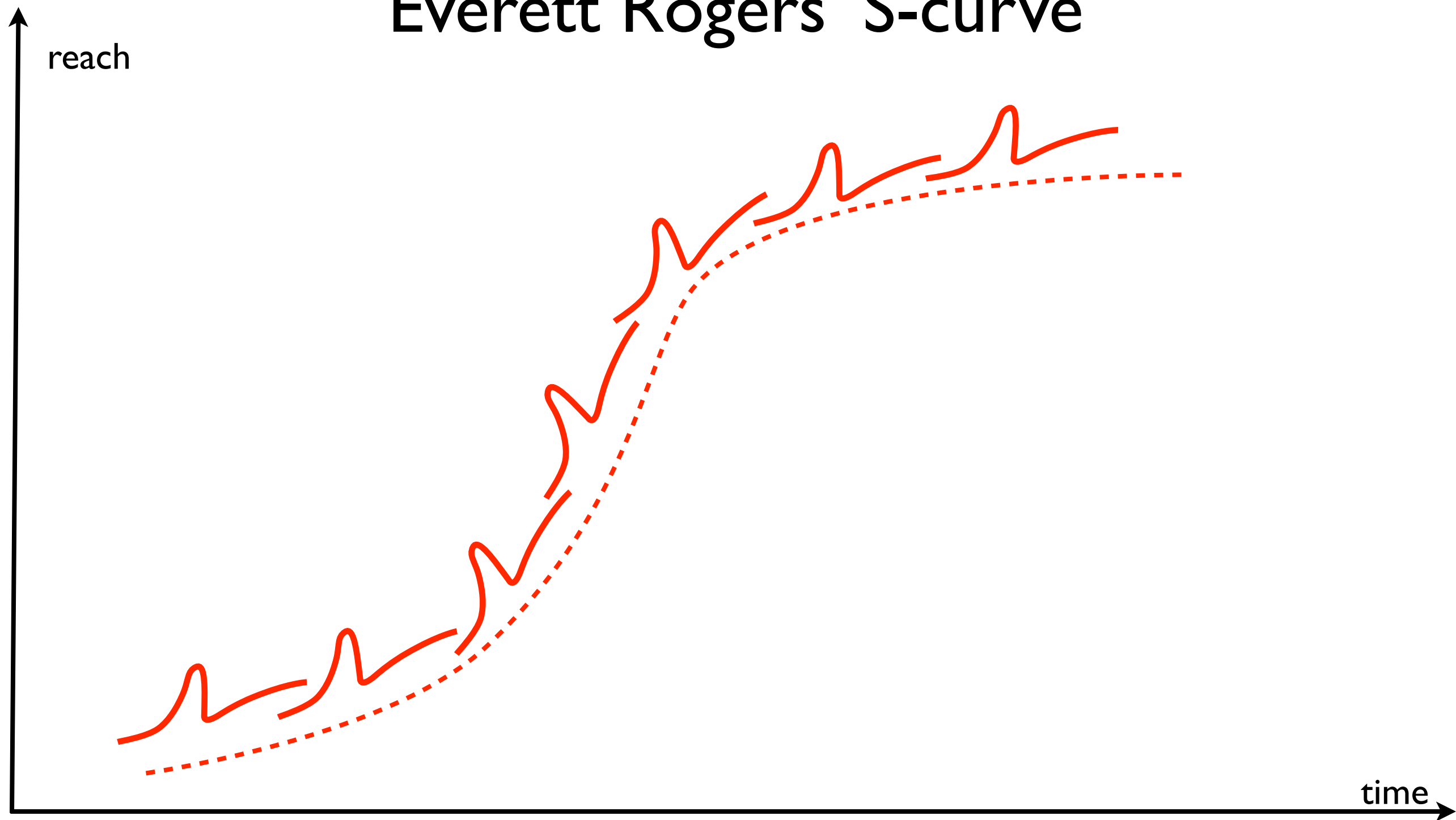


Showed that innovation adoption does not happen in a straight line, but that it follows a predictable S-curve

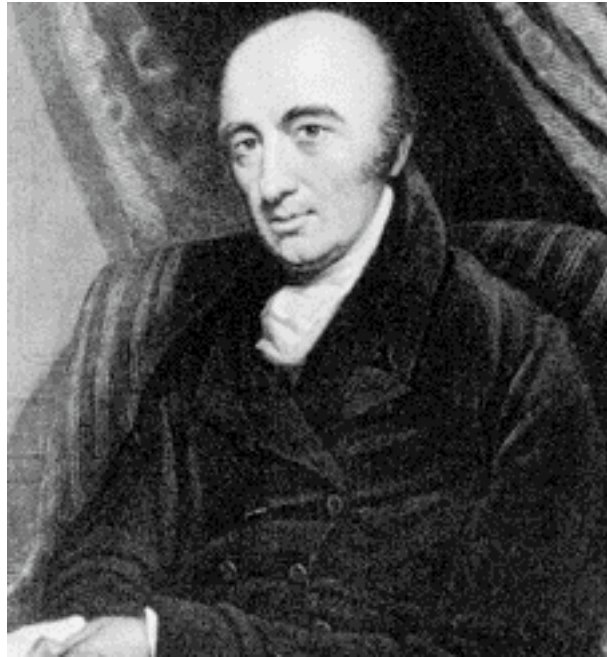




Everett Rogers' S-curve

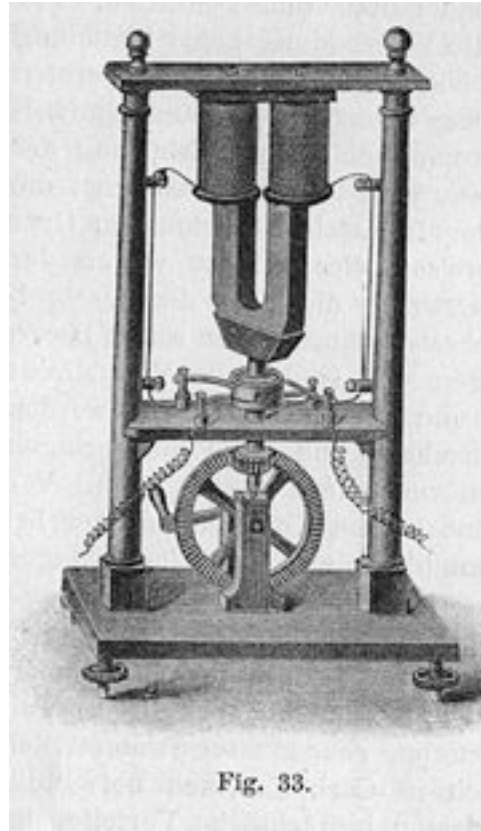


Repeating in many different industries



William Hyde Wollaston
1828

Innovation



Hippolyte Pixii
1808–1835

Innovation

Bespoke



Gramme-dynamo

Innovation

Bespoke

Products

Innovation

Bespoke

Products

Commoditization



Electricity grid

Innovation

Bespoke

Products

Service



Electricity grid

Electricity has transformed from an innovation to a service



William Hyde Wollaston
1828

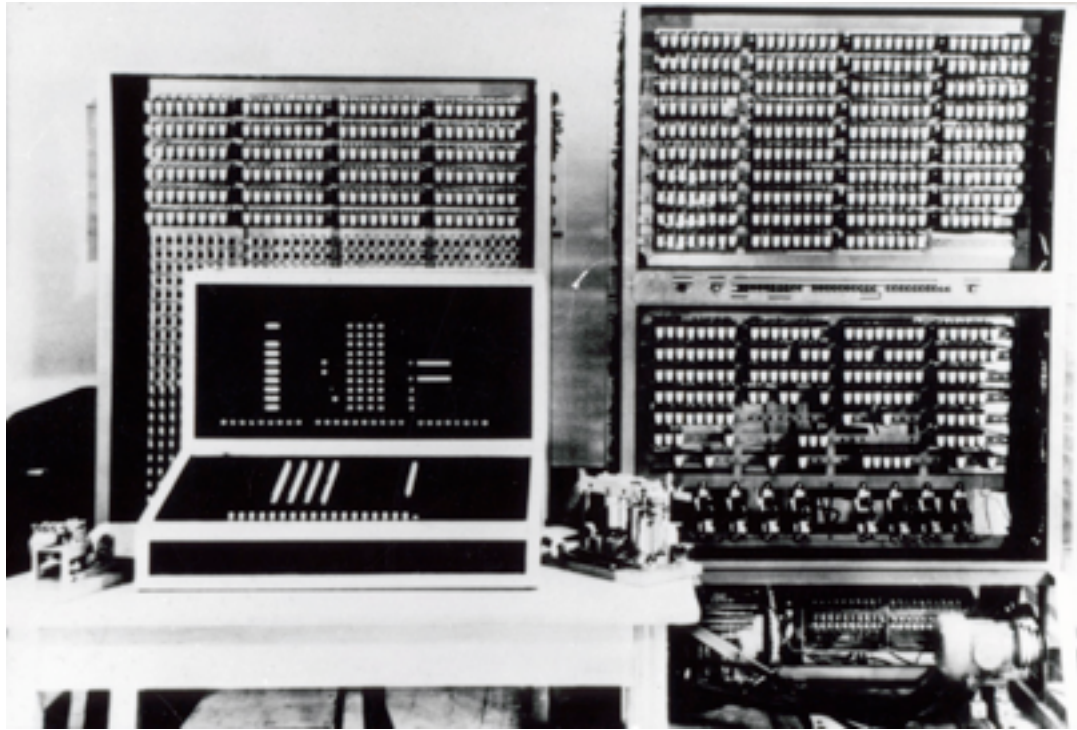


Electricity grid

Innovation



Service



Z3, 1941

Innovation



Leo, 1946

Innovation

Bespoke



IBM 650

Innovation

Bespoke

Products



Cloud computing

Innovation

Bespoke

Products

Commoditization

Credit: Simon Wardley



Cloud computing

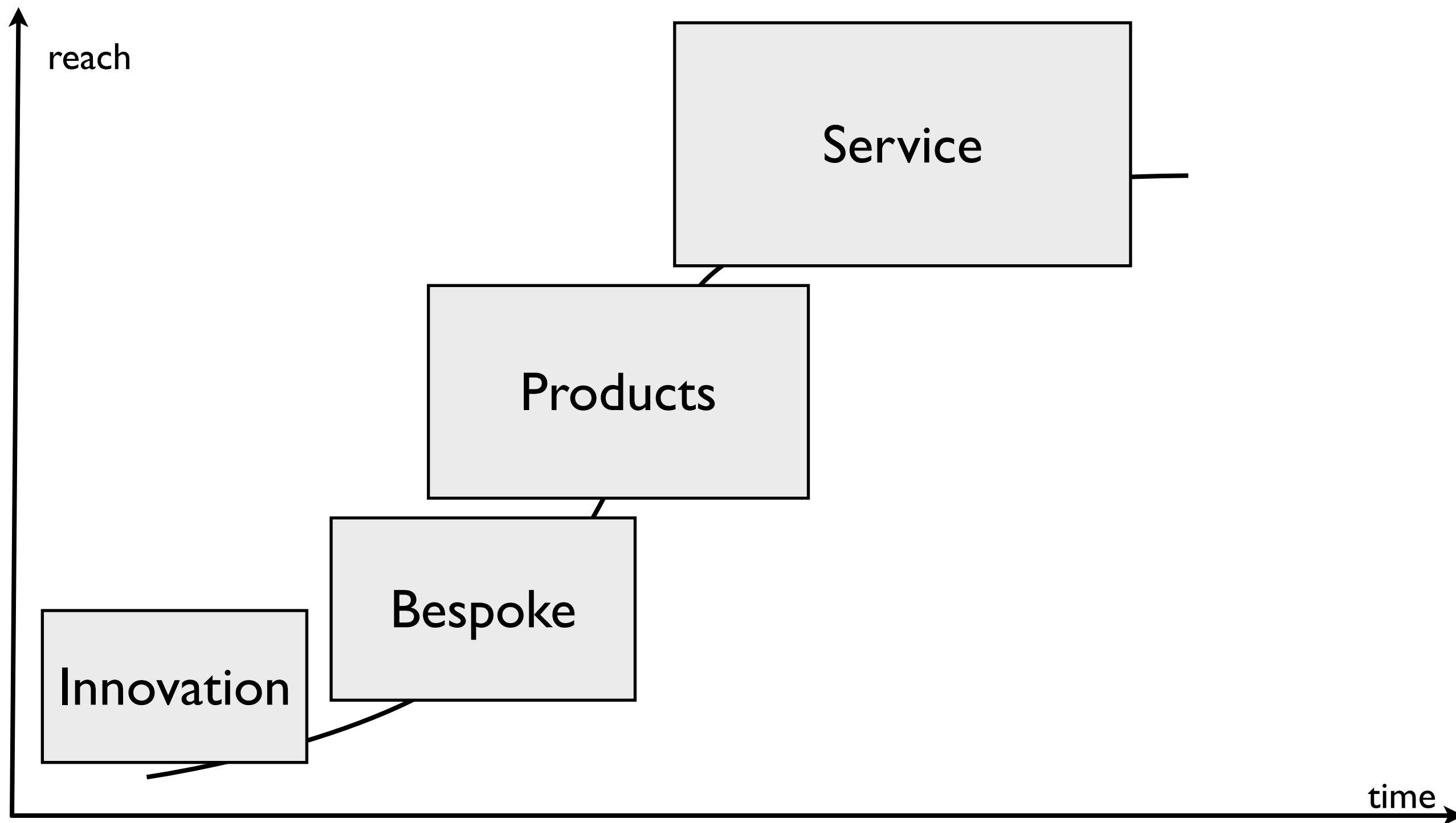
Innovation

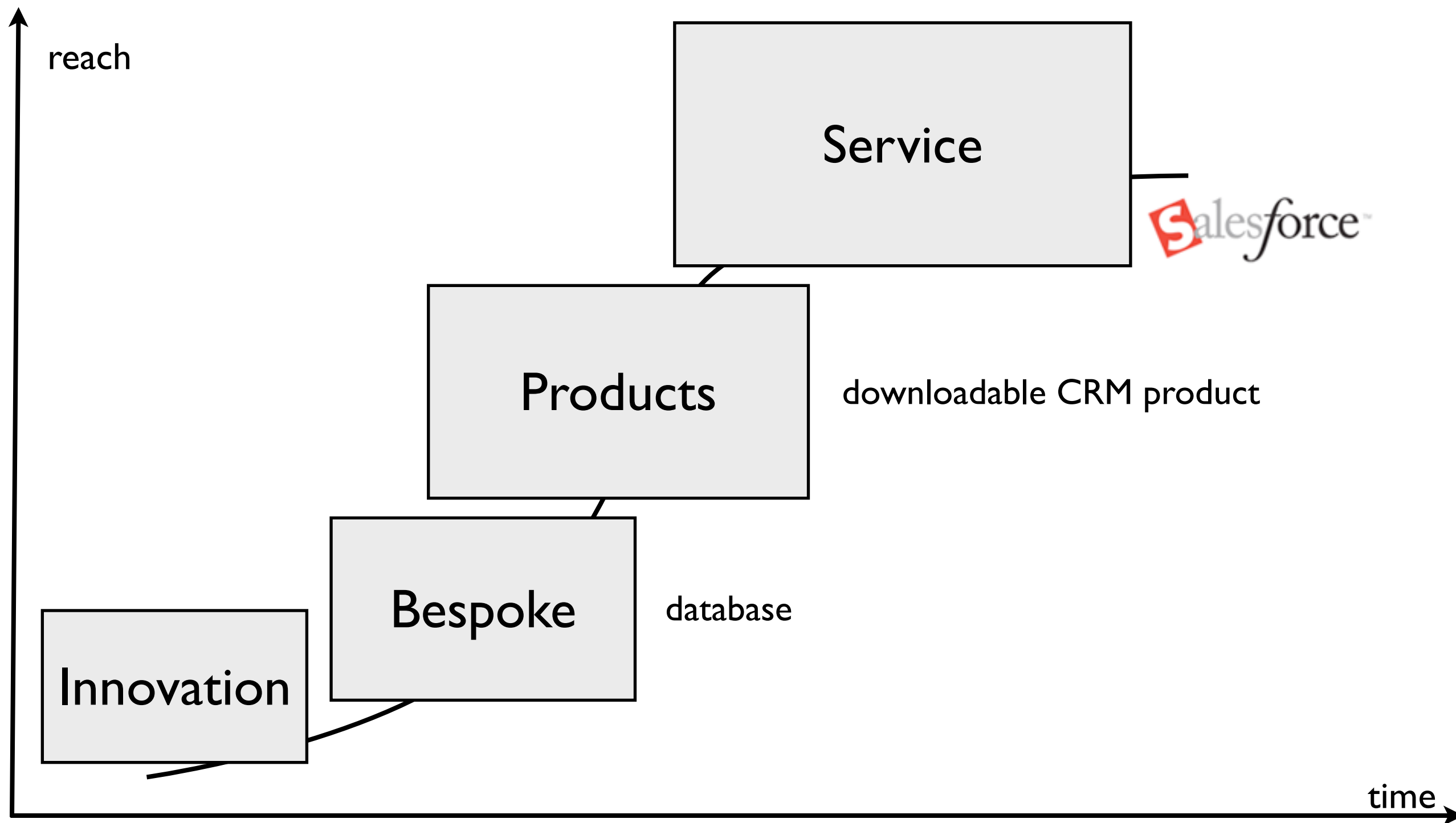
Bespoke

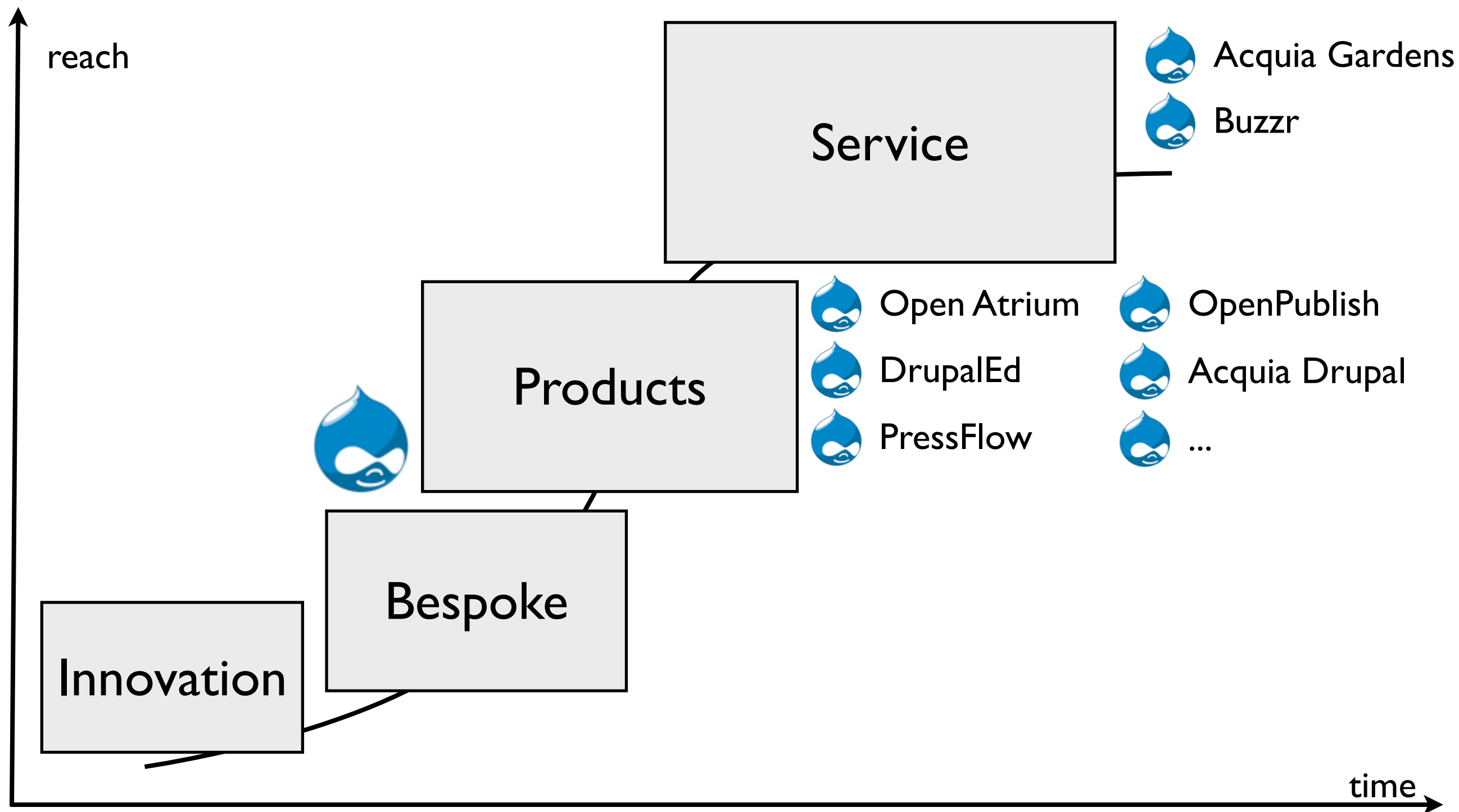
Products

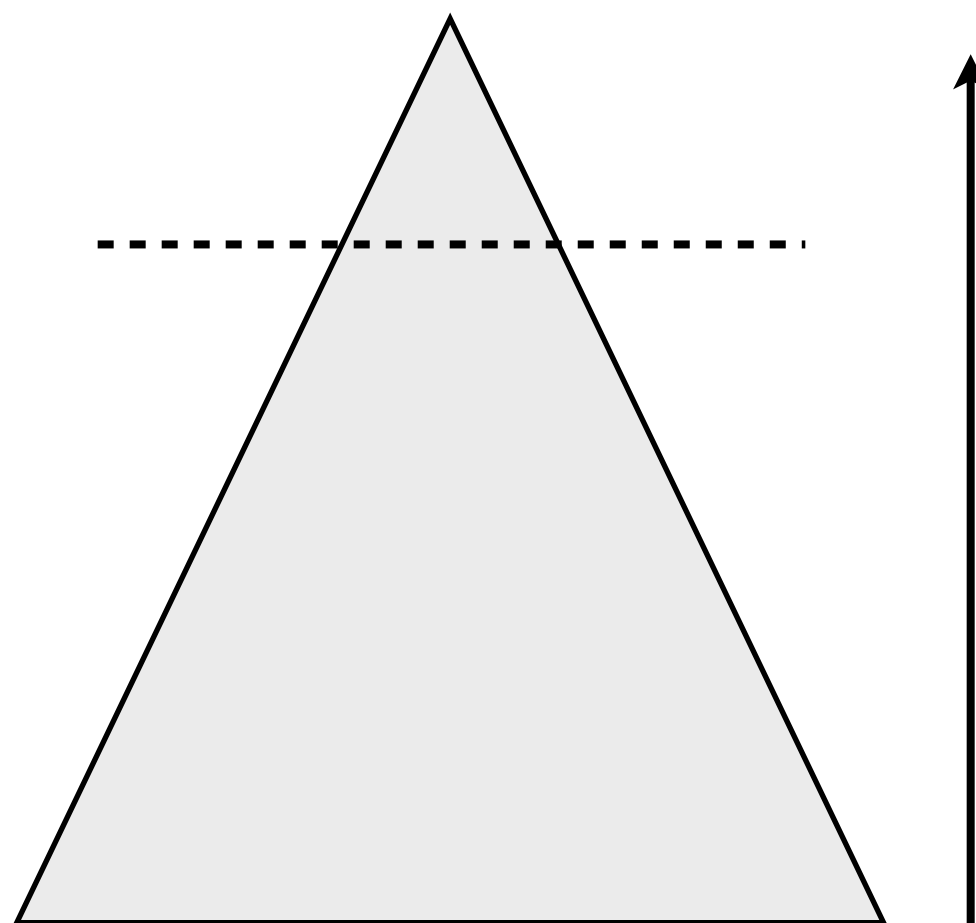
Service

Credit: Simon Wardley



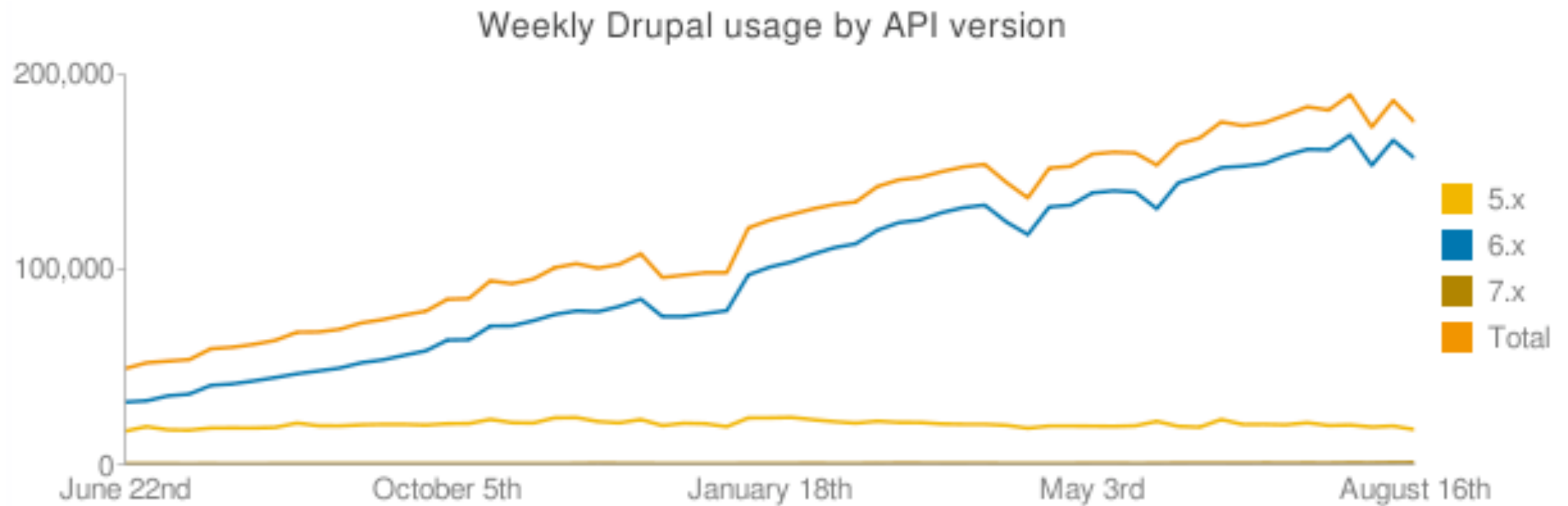






Get break out growth instead of linear growth

Install base



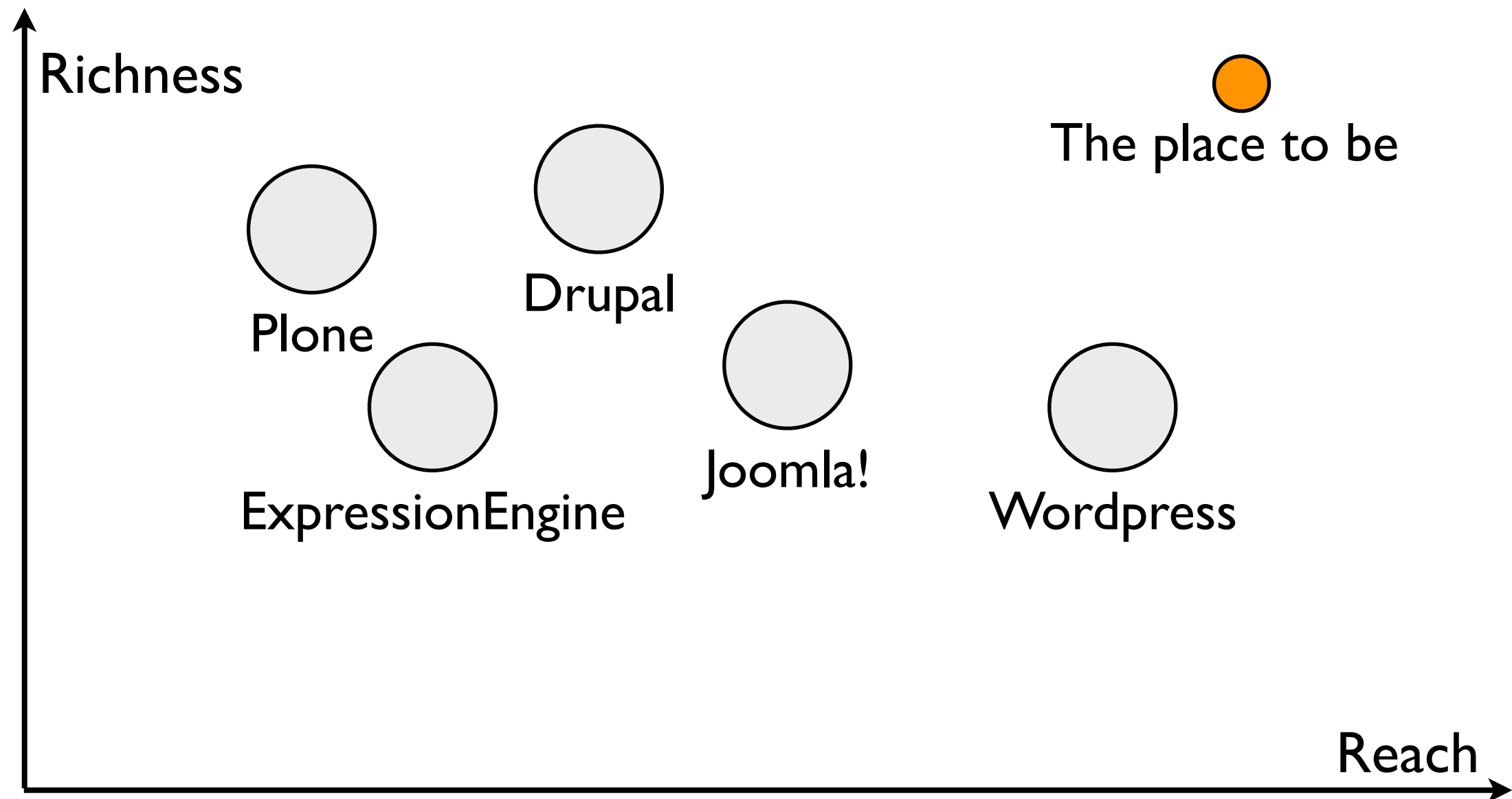
Source: <http://drupal.org/project/drupal/usage>

Distributions is one way

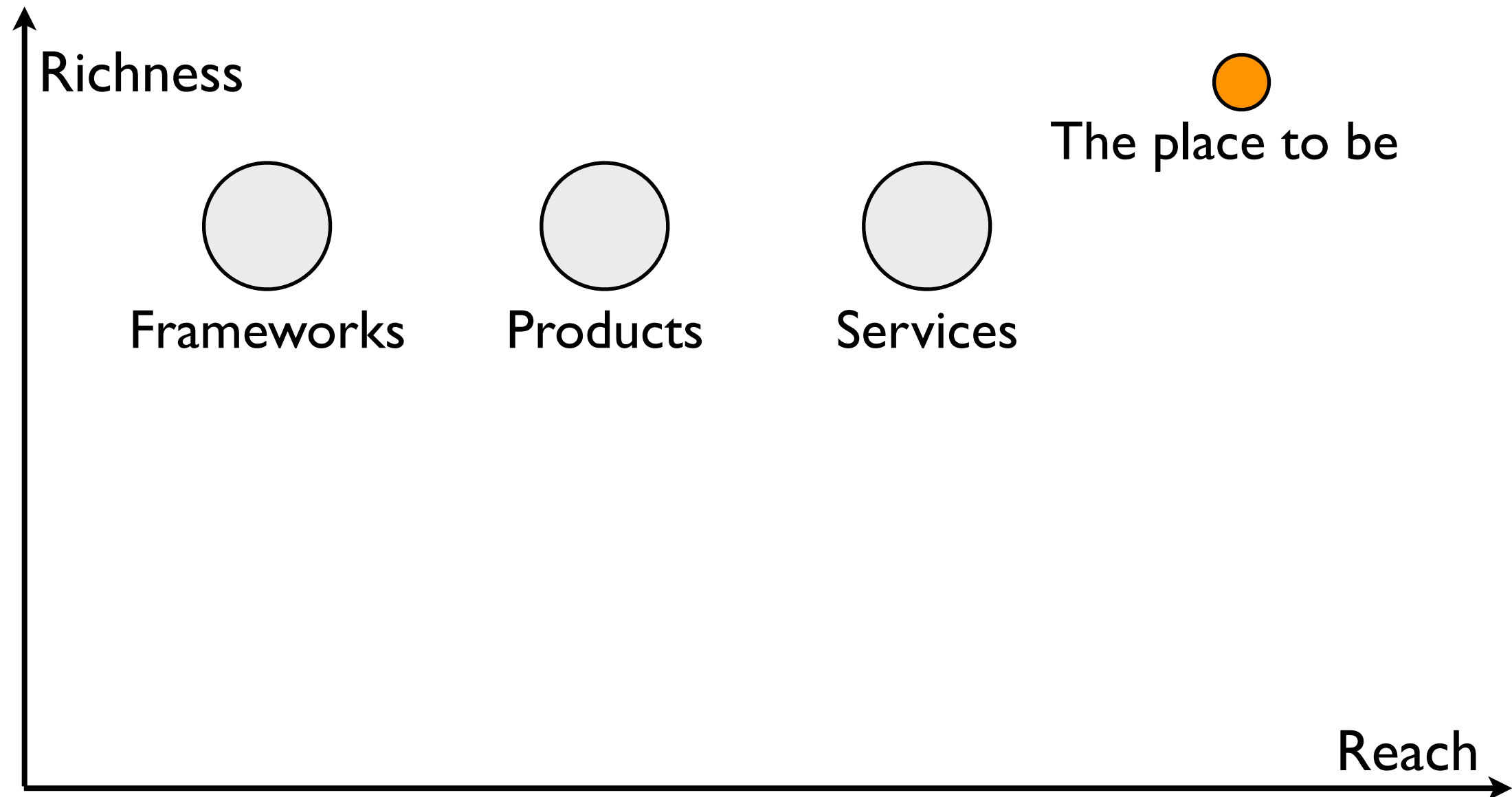
Install profiles as modules + plugin manager

“Features” is one way

Richness + reach = success



Richness + reach = success



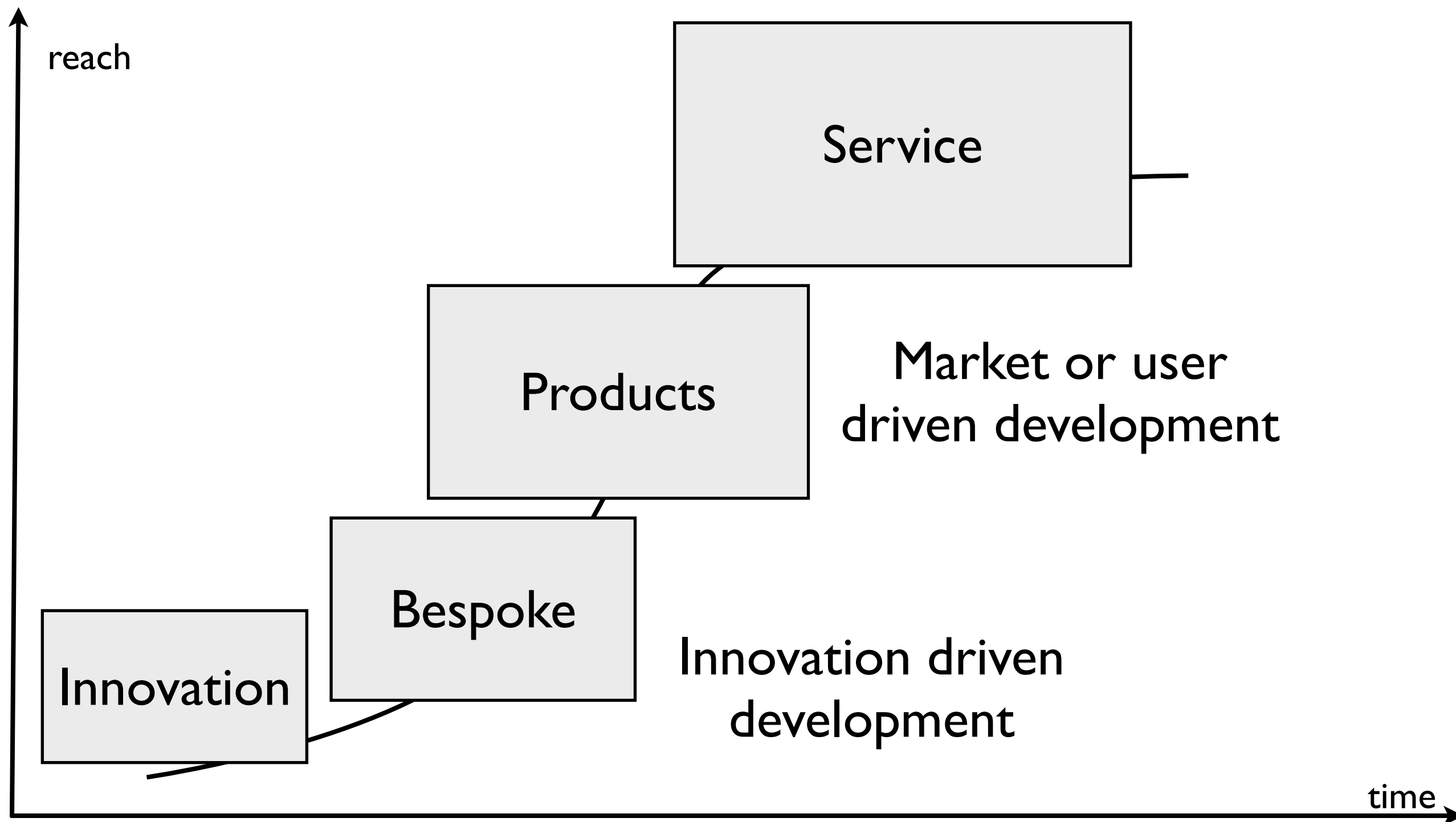
Framework versus product

Frameworks create bespoke systems

Framework versus product

Framework AND product







Denial?

Drupal 7 usability

“If you’re not afraid, you’re not doing the right thing.”

Pain

Great



Growing up

We can't roll back time.
We have no choice to grow up.

We'll reach out to new people, and have
to learn how to interact with them

Recap

- Learned a pattern on how we innovate -- and we're normal
- Innovation is on track, feel great about Drupal 6 and Drupal 7
- Learned what our evolution might be

Only good platform is an open platform

Only good community is a fair and
balanced community

DrupalCon after 4 years ...



25 Drupal developers
DrupalCon Belgium
Antwerp, 2005

DrupalCon after 4 years ...



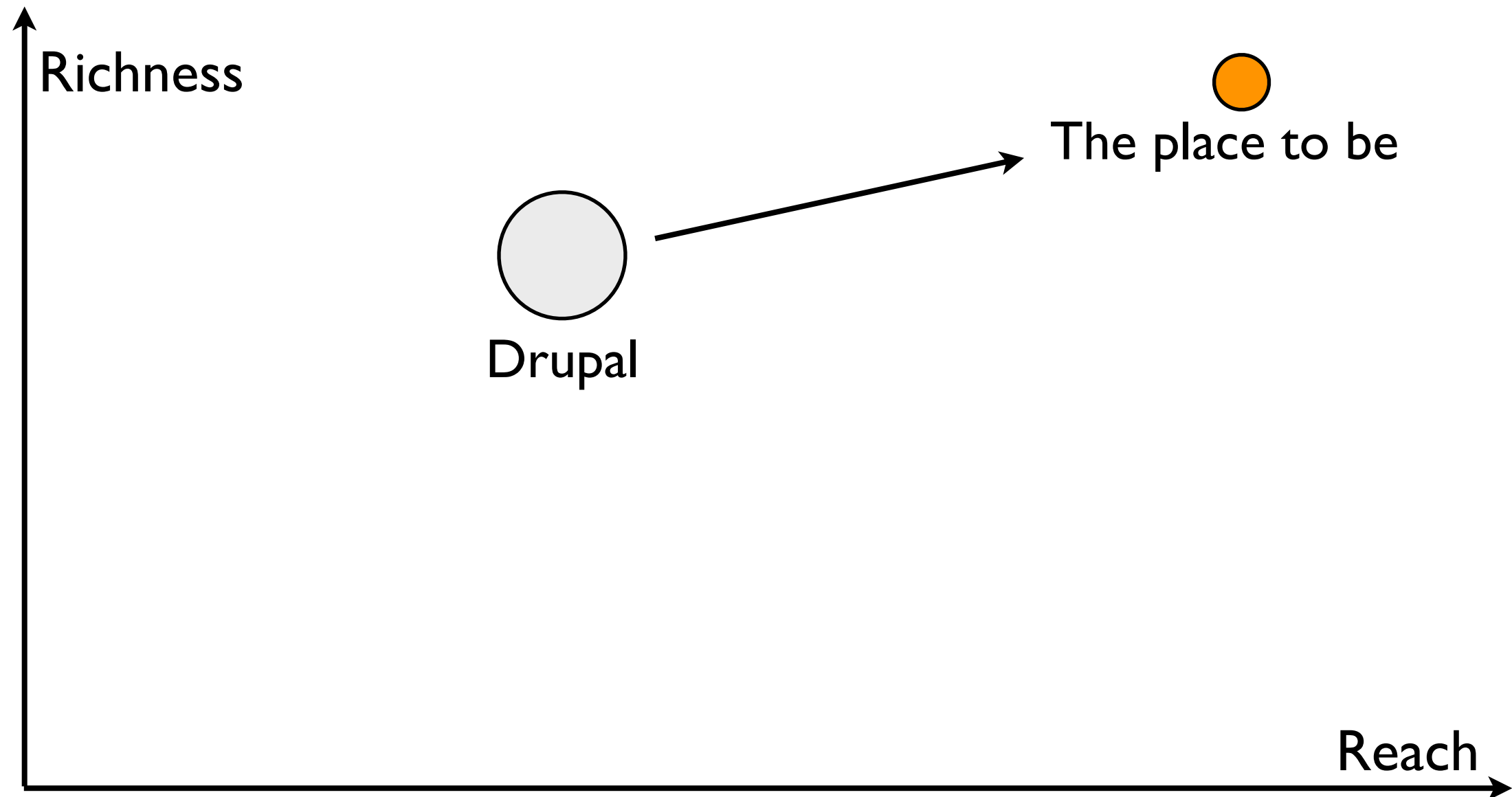
1400 Drupal developers
DrupalCon DC
Washington, 2009



Being significant

How do we go where we aren't today?

Richness + reach = success



Richness, we should be less worried about

Reach is our biggest challenge and opportunity

THANK
YOU