

CNCF TOC Updates

Kevin Wang
@kevin-wangzefeng



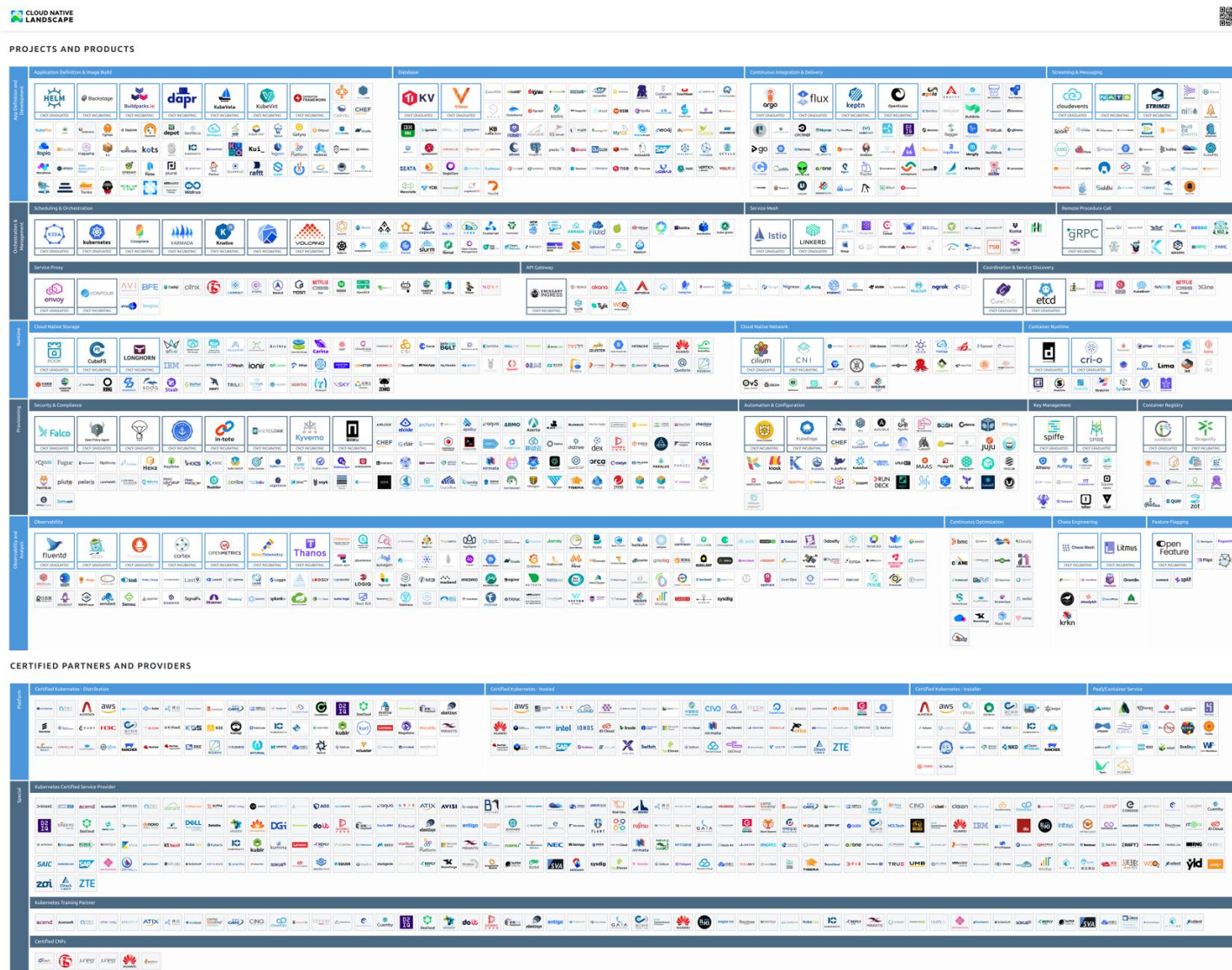
Kubernetes 开启云原生的黄金时代



kubernetes



2015
when CNCF founded



关于 CNCF



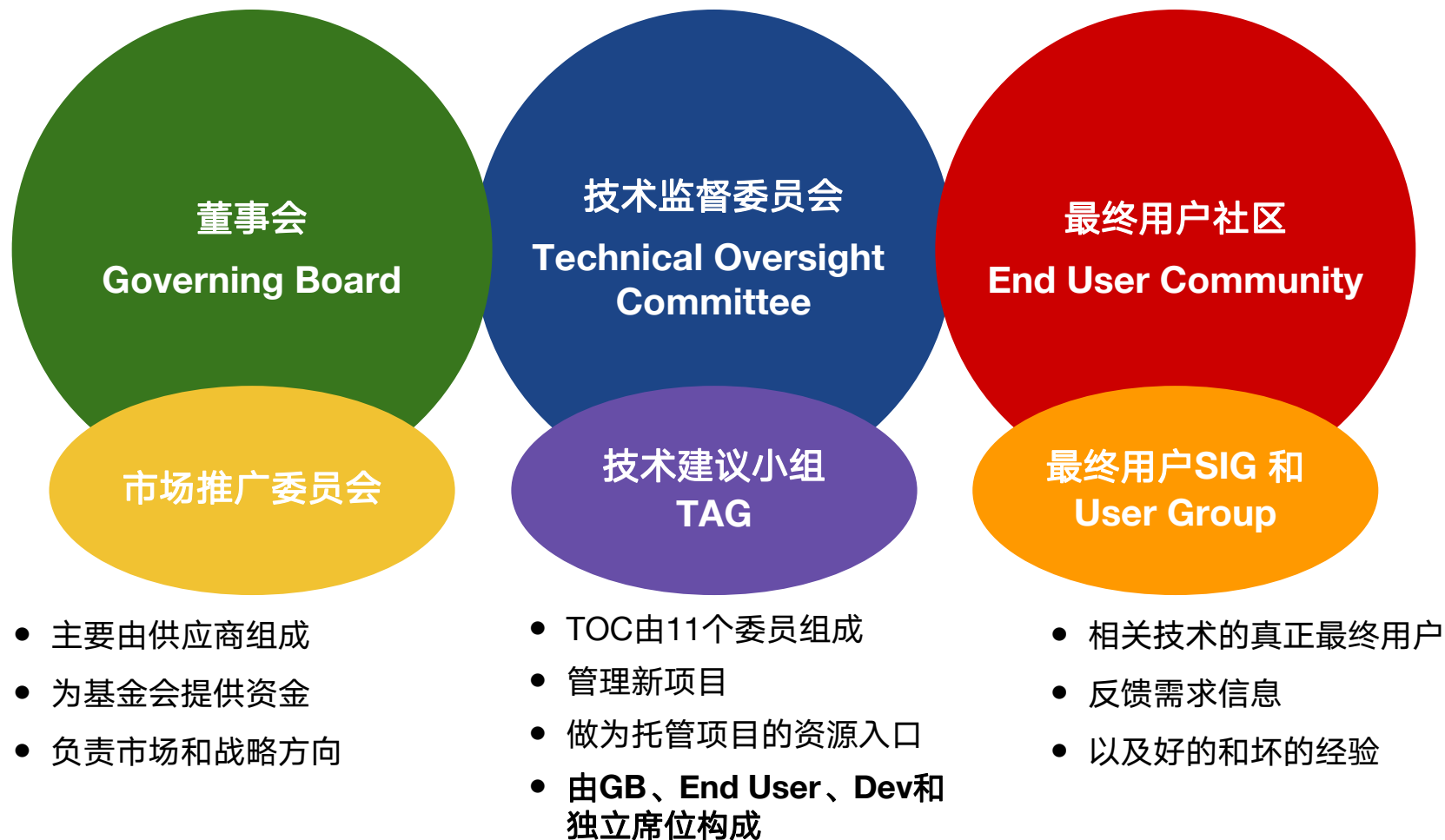
CNCF是一个什么样的机构？

- 非盈利机构，隶属Linux基金会，成立于2015年12月份
- CNCF承载着全球技术架构中最核心的部分
- CNCF 将全球最顶尖的开发者、用户和企业联系在一起，并召开最大型的开源开发者大会。

CNCF的使命：将云原生计算推广到无处不在

CNCF 治理架构

CNCF采用了资金治理（GB）与技术治理（TOC）分立的设计



本届 TOC 成员



Cathy Zhang

Intel



Davanum Srinivas

(He/Him)

AWS



Dave Zolotusky

Platform Engineer at Spotify



Duffie Cooley

(He_His)

Isovalent



Lin Sun

(She/Her)

Solo.io



Nikhita Raghunath

(She/Her)

VMware



Emily Fox

TOC Chair

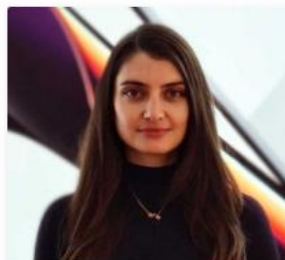
Red Hat



Erin Boyd

(She/Her)

Red Hat



Katie Gamanji

(She/Her)

Apple



Kevin (Zefeng) Wang

(He/Him)

Huawei

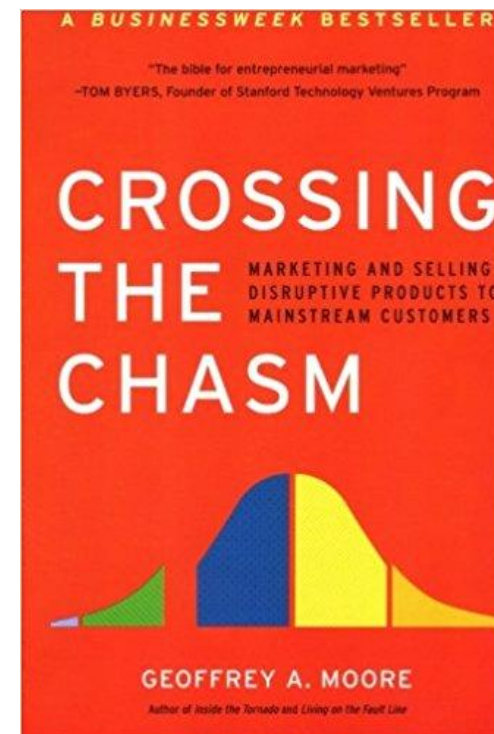
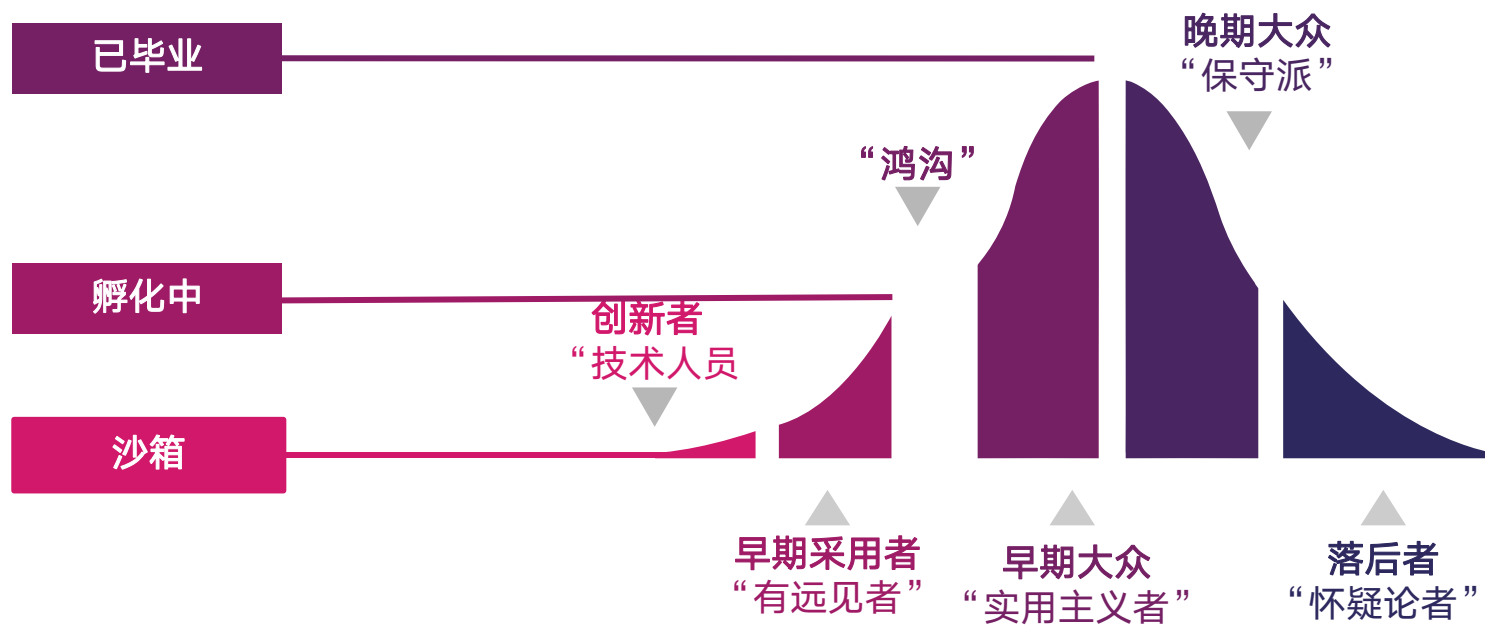


Ricardo Rocha

CERN





























CNCF 项目成熟度模型







































CNCF 毕业项目



 Continuous Integration & Delivery	 Cloud Native Network	 Streaming & Messaging	 Container Runtime	 Coordination & Service Discovery	 Cloud Native Storage	 Key Management
 Container Runtime	 Service Proxy	 Coordination & Service Discovery	 Security & Compliance	 Observability	 Key Management	 Security & Compliance
 Continuous Integration & Delivery	 Container Registry	 Application Definition & Image Build	 Service Mesh	 Observability	 Database	 Database
 Scheduling & Orchestration	 Scheduling & Orchestration	 Service Mesh	 Security & Compliance	 Observability		

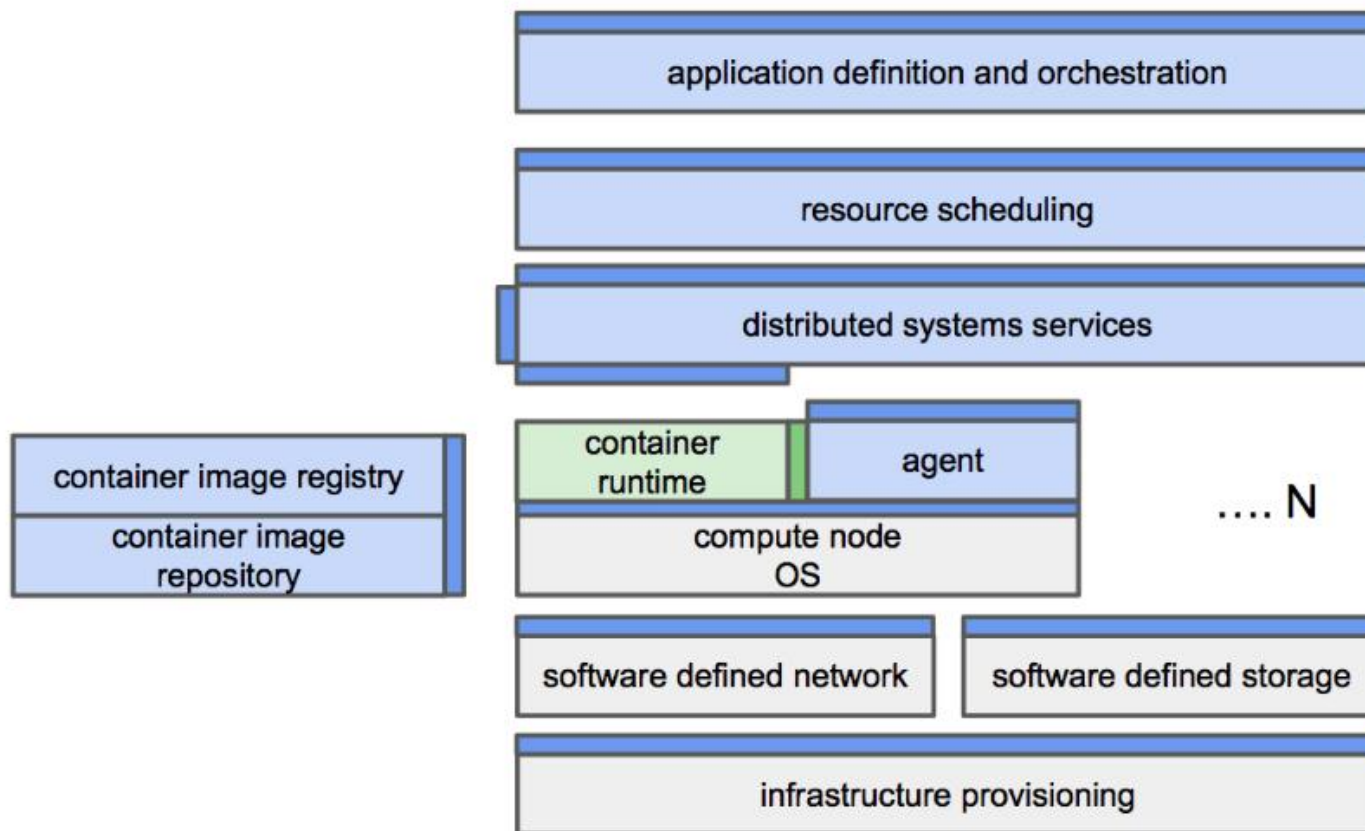
CNCF 孵化项目

 Backstage Application Definition & Image Build	 Buildpacks.io Application Definition & Image Build	 Security & Compliance	 Chaos Mesh Chaos Engineering	 Cloud Custodian Automation & Configuration	 OPENMETRICS Observability	 Scheduling & Orchestration	 KubeVela Application Definition & Image Build	 KubeVirt Application Definition & Image Build
 CNI Cloud Native Network	 CONTOUR Service Proxy	 cortex Observability	 Crossplane Scheduling & Orchestration	 CubeFS Cloud Native Storage	 VOLCANO Scheduling & Orchestration	 LONGHORN Cloud Native Storage	 NATS Streaming & Messaging	 Netty Security & Compliance
 dapr Application Definition & Image Build	 Dragonfly Container Registry	 EMISSARY INGRESS API Gateway	 gRPC Remote Procedure Call	 in-toto Security & Compliance	 OpenTelemetry Observability	 Kyverno Security & Compliance	 Litmus Chaos Engineering	 STRIMZI Streaming & Messaging
 KARMADA Scheduling & Orchestration	 keptn Continuous Integration & Delivery	 KEYCLOAK Security & Compliance	 Knative Scheduling & Orchestration	 KubeEdge Automation & Configuration	 OPERATOR FRAMEWORK Application Definition & Image Build	 Open Feature Feature Flagging	 OpenKruise Continuous Integration & Delivery	 Thanos Observability

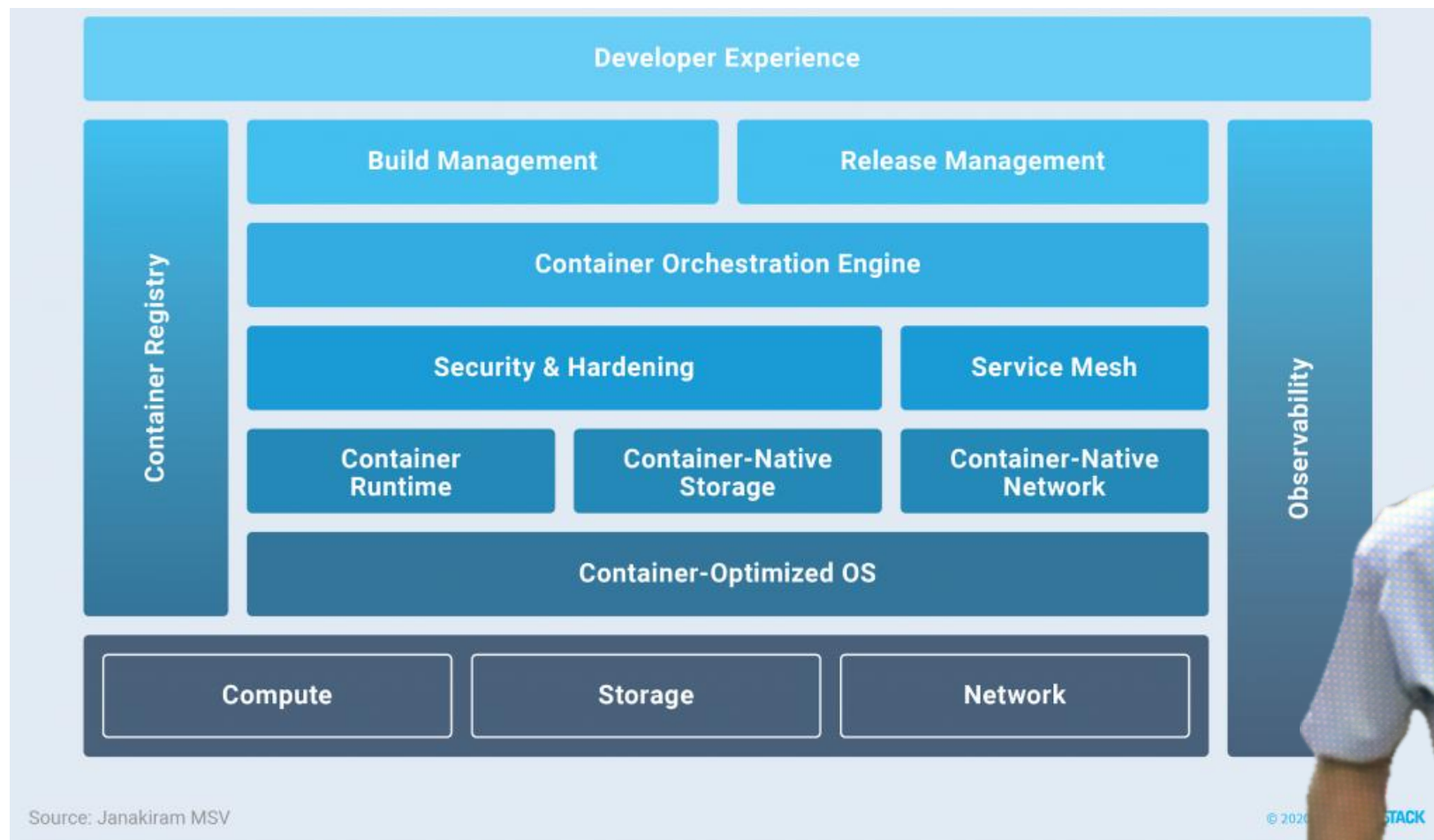
CNCF 沙箱项目



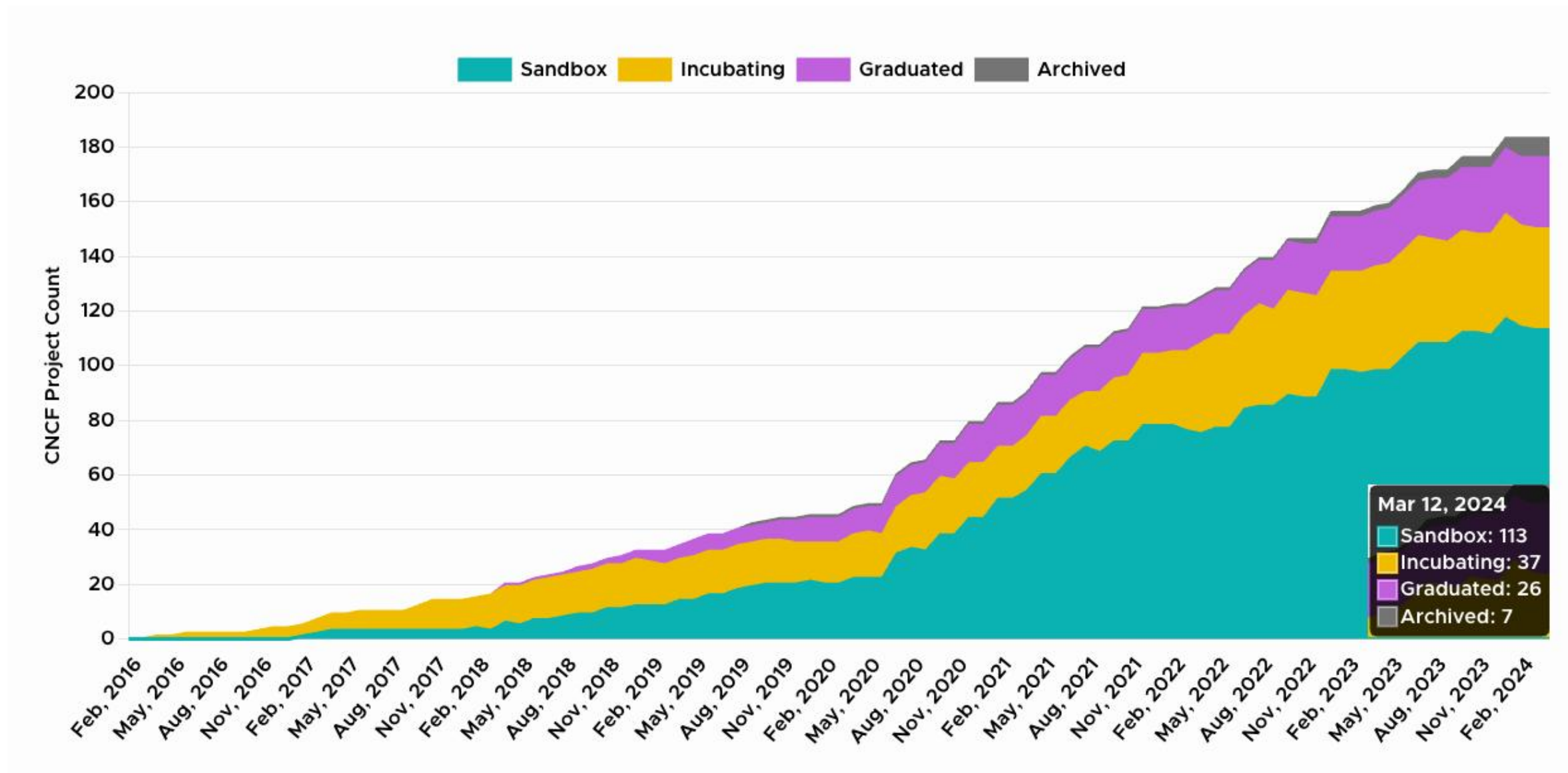
CNCF 项目技术栈范围 (2015)



CNCF 项目技术栈范围 (now)



持续增长的项目数量

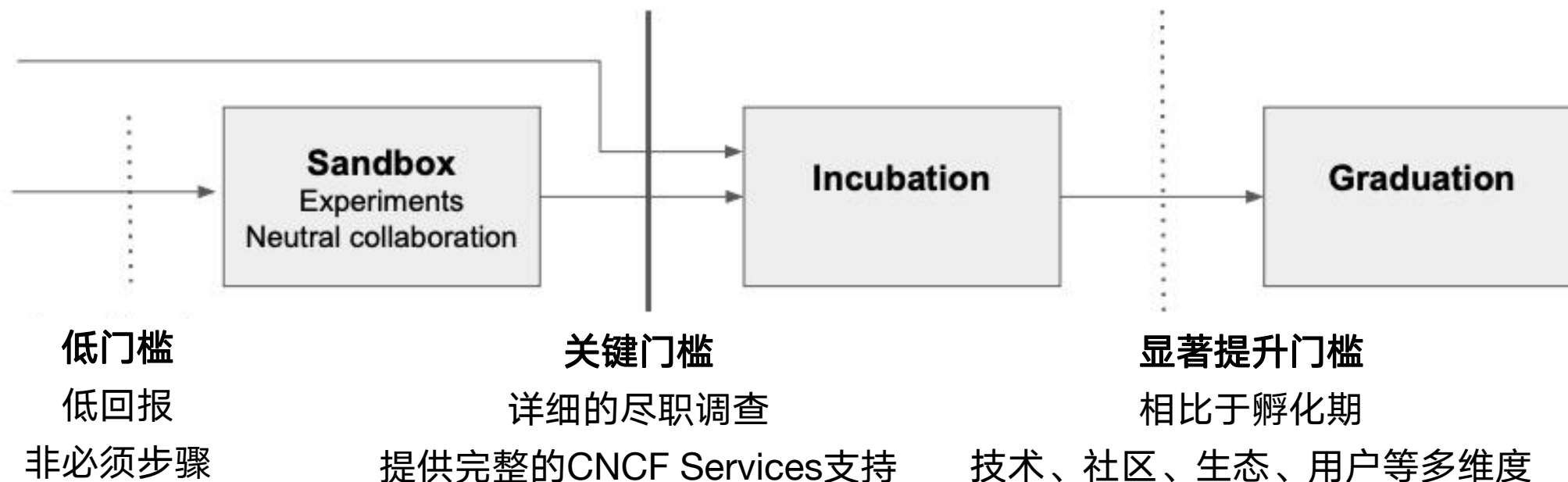


CNCF 的 Technical Advisory Groups (TAGs)



- CNCF TAG将监督和协调与最终用户和/或项目需求的逻辑领域相关的利益。
 - TAG-App-Delivery
 - TAG-Contributor Strategy
 - TAG-Environmental Sustainability
 - TAG-Network
 - TAG-Runtime
 - TAG-Observability
 - TAG-Security
 - TAG-Storage
- CNCF TAGs 是参与 TOC 的最佳方式之一

CNCF 项目流程



- Sandbox流程: <https://sandbox.cncf.io> has the current applications
- 孵化/毕业 流程更新: 使用 Checklists 替代原本的 DD 文档
- Ask questions on #toc in slack.cncf.io

Sandbox 项目申请流程

实验性早期项目，基金会提供少量必要支持

- 早期实验性工作展示
- 促进与现有项目的一致性（避免分裂社区）
- 培育项目（例如通过 CNCF 服务台请求）
- 为项目提供中立的“家”，消除法律、CoC、IP等方面障碍



提交申请
(排队)

TOC周期性会议review
(每2月1次)

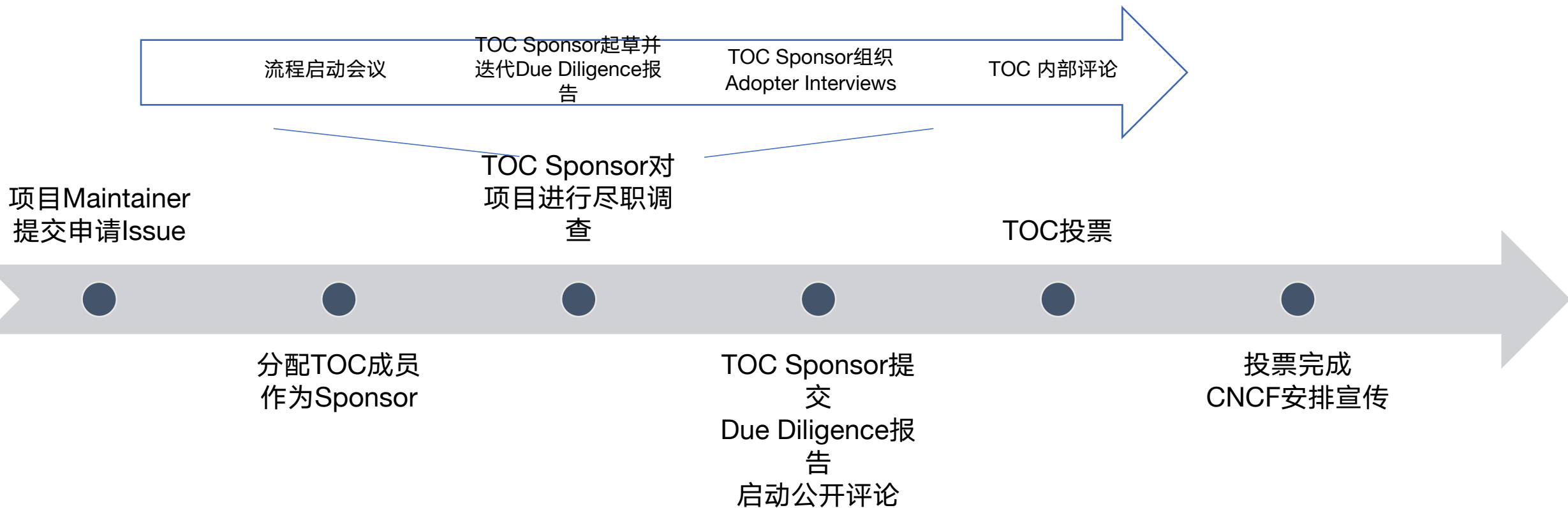
TOC成员
2/3 Vote

On boarding

项目方提交Issue自助申请
<https://sandbox.cncf.io>

Sandbox申请看板，自助查看流程进度
<https://github.com/orgs/cncf/projects/14>

项目孵化/毕业申请流程更新 (2024.03~)



最新 孵化/毕业 标准: 请见issue template (<https://github.com/cncf/toc/issues/new/choose>)

Project Graduation Application

This template provides the project with a framework to inform the TOC of their conformance to the Graduation Level Criteria.

Get started

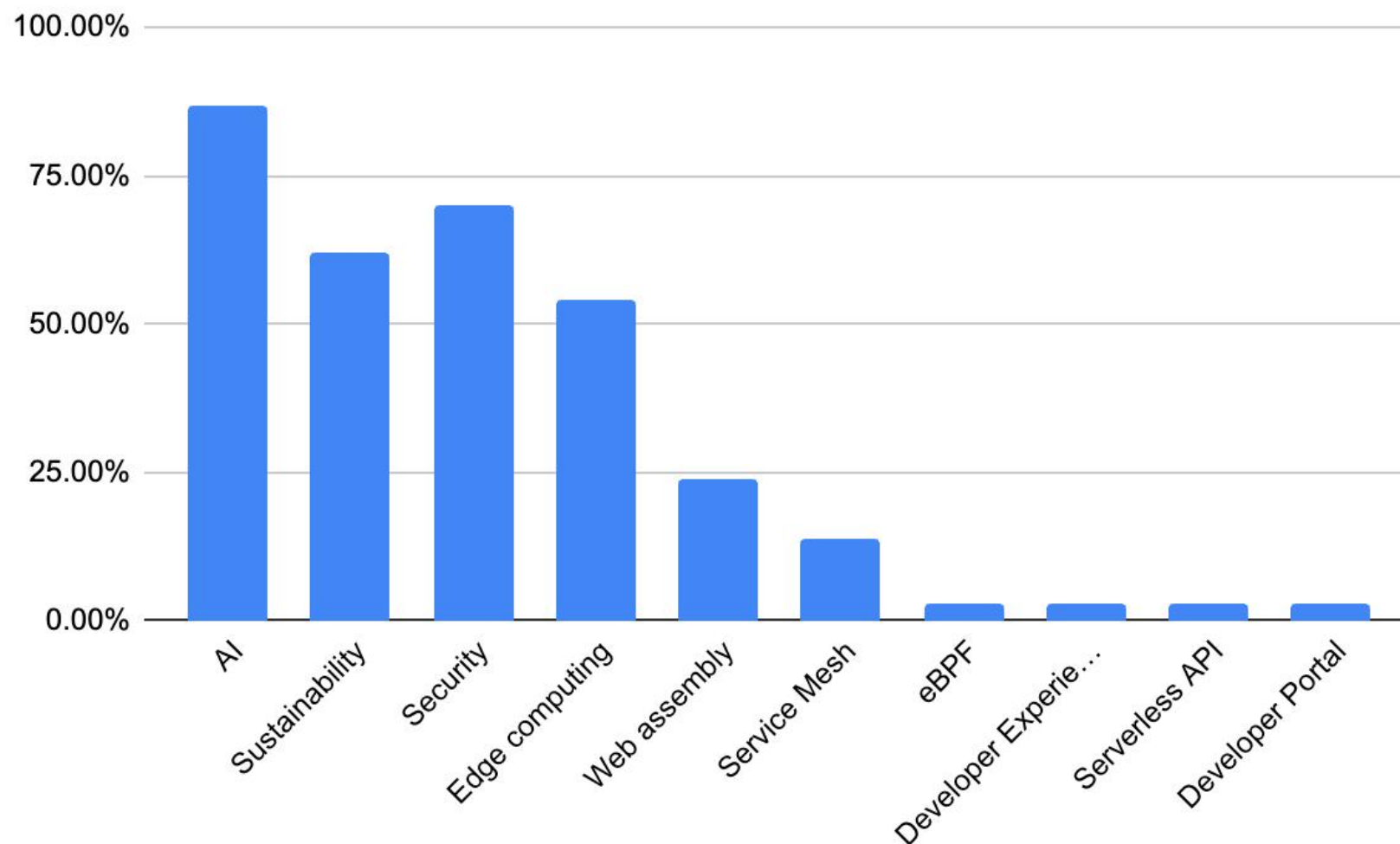
Project Incubation Application

This template provides the project with a framework to inform the TOC of their conformance to the Incubation Level Criteria.

Get started

热点技术方向

下一个十年，哪些技术将（或将继续）成为热点？



参与社区贡献 – 代码类贡献和云原生技术布道

代码&技术类贡献 - TOC

- Technical Advisory Groups
 - [App Delivery](#)
 - [Contributor Strategy](#)
 - [Network](#)
 - [Runtime](#)
 - WGs: CNAI, WASM, BSI, IOTEdge, COD
 - [Security](#)
 - [Storage](#)
 - [Observability](#)
 - [Env Sustainability](#)
- Working Groups
 - [Serverless](#)
- 180+ [projects](#)

非代码贡献 – 云原生技术布道

- [CNCF.io blog](#) (项目、会员单位)
- [Kubernetes.io blog](#) (open to all)
- Marketing Committee (会员单位)
 - [Business Value Subcommittee](#)
 - [Cloud Native Glossary](#) (open to all)
- [Online Programs](#) (会员单位)
- [Cartografos WG](#)



访问 <https://contribute.cncf.io/> 获取更多贡献指导



Thanks!



Call For Proposal



2024年8月21日至23日
香港



KubeCon

THE LINUX FOUNDATION



China 2024



CloudNativeCon



提交议题投稿
截止日期: 5月5日23:59