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Open Data and APIs

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I help to ignite new digital services & platforms in API economy.
PhD (3D printing Peer Production)

Full-stack API Economy house – APInf Oy – apinf.com

Data is the new oil...
currency...
and so on.

Companies who must sell their data – will sell it.

vs

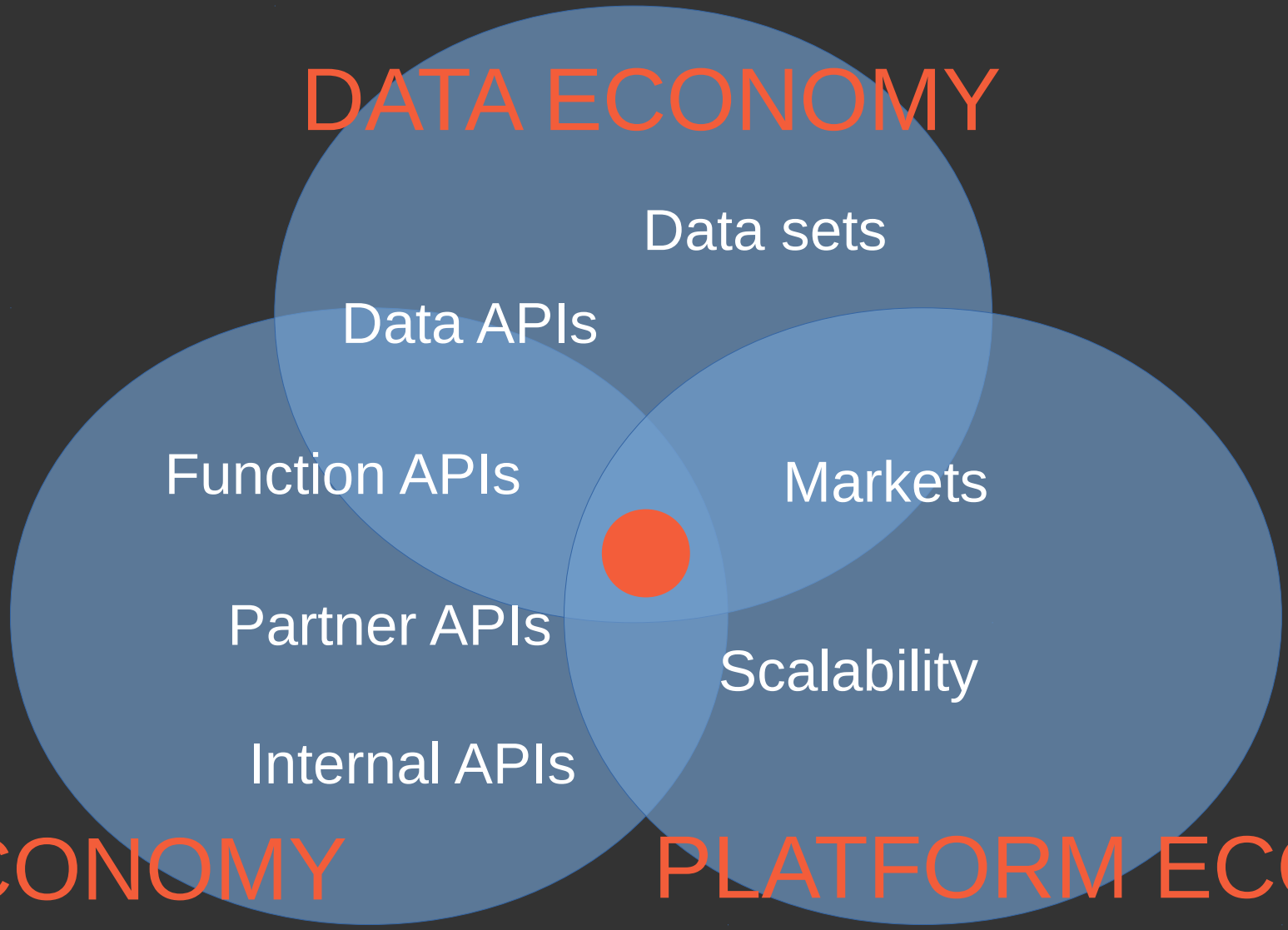
Those who have ability to build something new on top of the data will **not sell it**. (Google, F-Secure)

Getting data

vs

What you do with the data and how to package it **developer** friendly manner

API – Data – Platform Economy



Focus on 3 things

Understand customer needs – focus on app developer

- Different needs, part of API productisement

Provide service development focused APIs + data

- Freetier 3x times more customers

Manage data and APIs

- Ready-made open source solutions (APInf & CKAN)
- Utilize national and city infrastructure

Data - fuel for apps and services

Data sets - Low barrier

→Quality, availability

Open APIs – or free-tier, let them learn!

→Importance of API DX is not understood

Limited access APIs - partner, commercial, governmental

Functional API

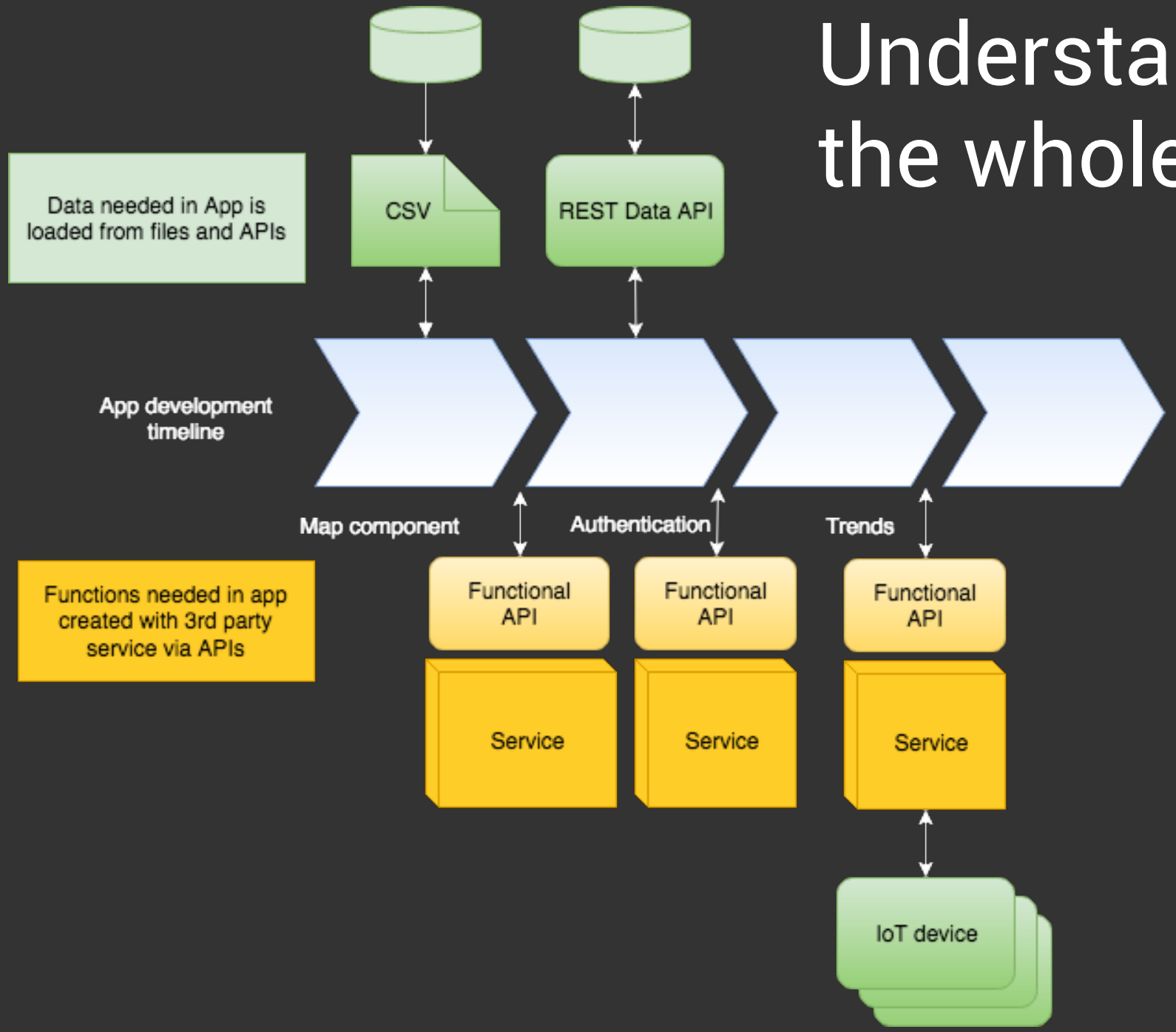
- They provide much needed functionality for developers and integrators.
- Function APIs can save developers time when building their applications by providing needed functionality immediately, cost effectively, and with functionality that would otherwise be impossible without an API.

More often another reason is not to give direct access to raw data for business reasons

Functional API - example

Determine the safety and content categories of URLs, which helps you to prevent end-users from accessing URLs that lead to harmful sites

Understand & support the whole package



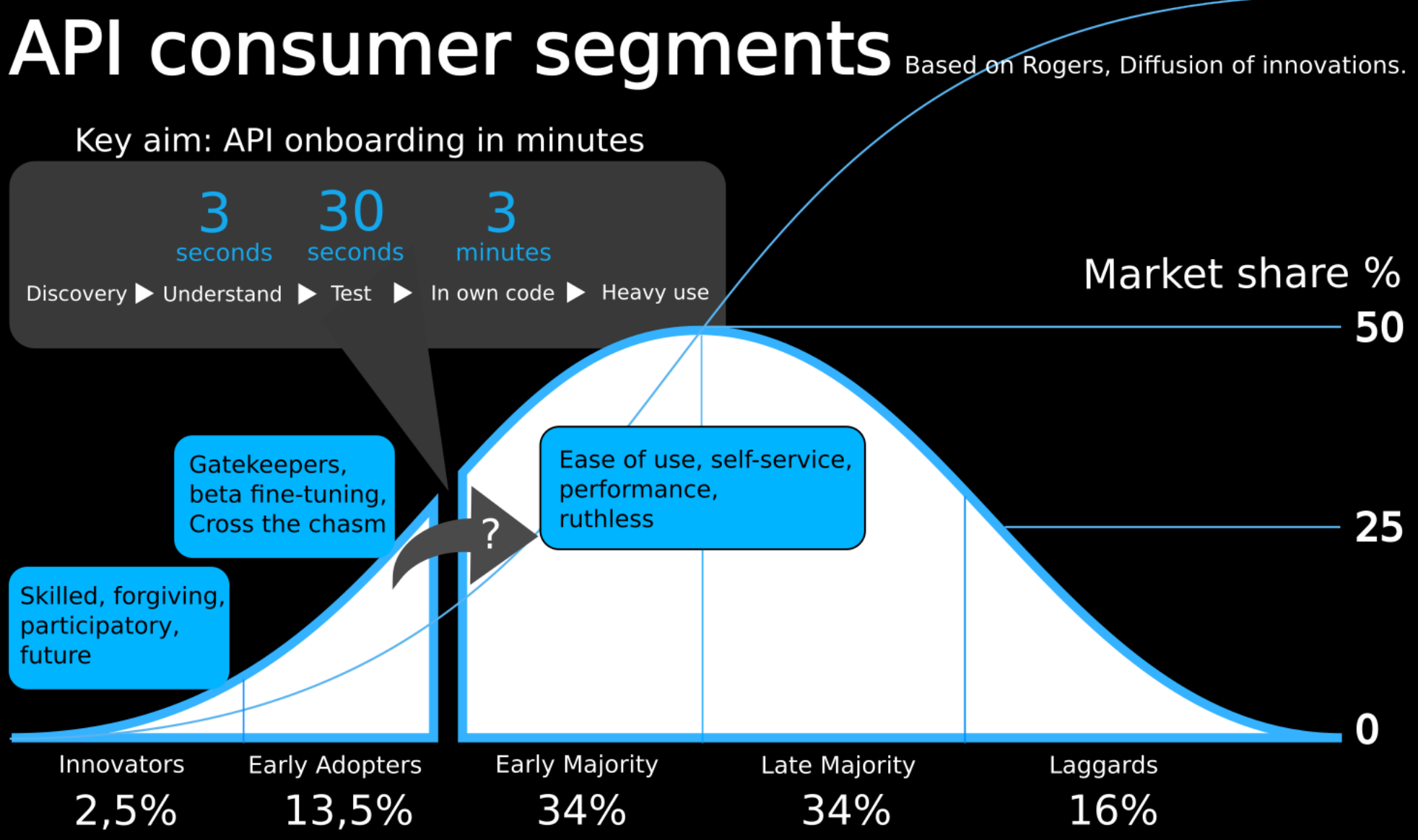
To make make money with APIs

Understand and utilize developer scene

Here’s a crash course to get you started

API consumer segments

Based on Rogers, Diffusion of innovations.



Est. 2015

apiops®

Tampere, Helsinki, Budapest, Copenhagen, Atlanta...

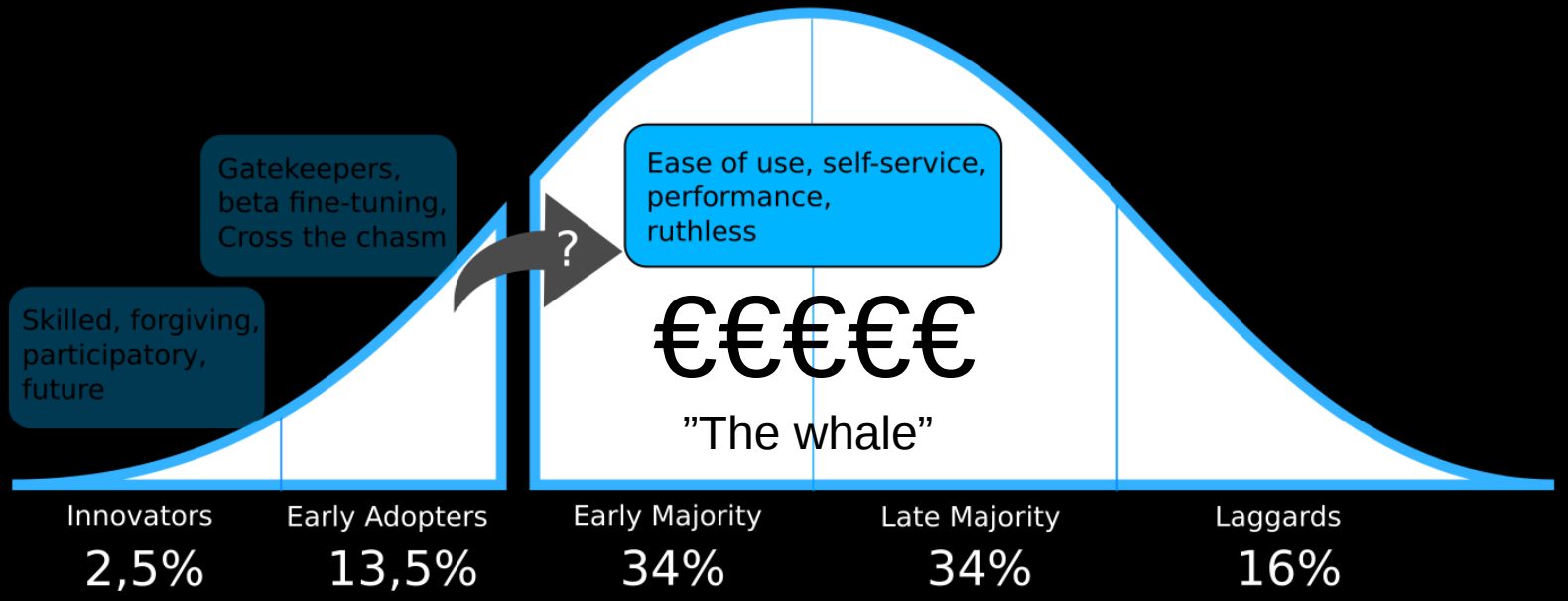
400+ members

Majority

Ruthless

Ease of use, self-service

Performance

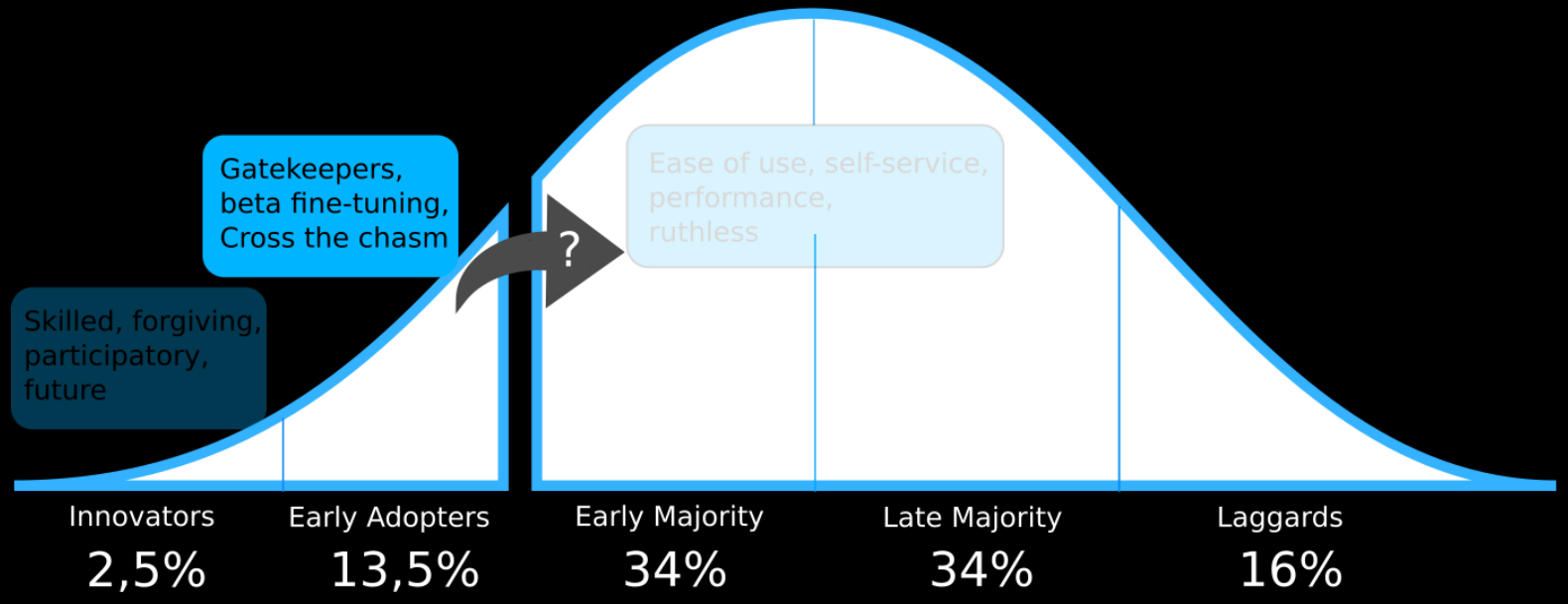


Early adopters

Your beta testers – get ready for ”whales”

Help you cross the chasm

Community driven (local)

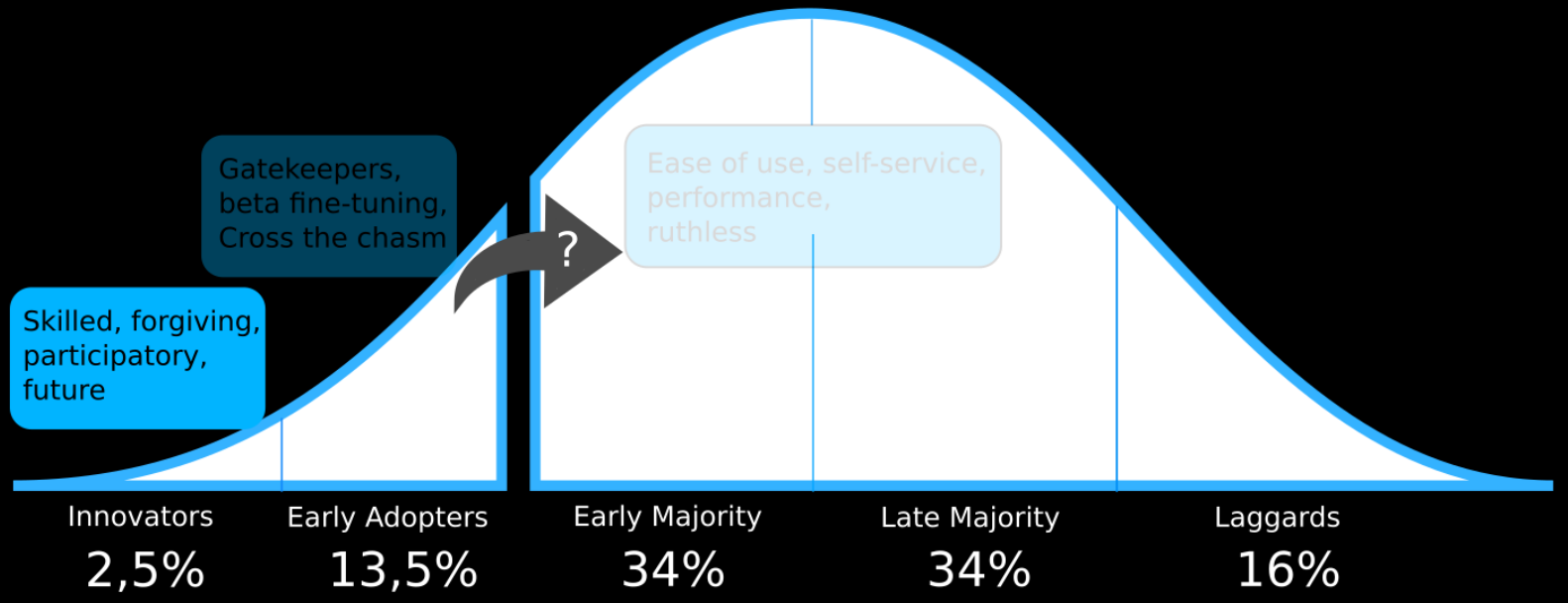


Innovators

Window to the future, strategy tool

Participatory

Forgiving



Tampere
Helsinki
Budapest
Copenhagen
Atlanta (US)
...

Twitter: @APIOps
Also in Facebook

APIops.net

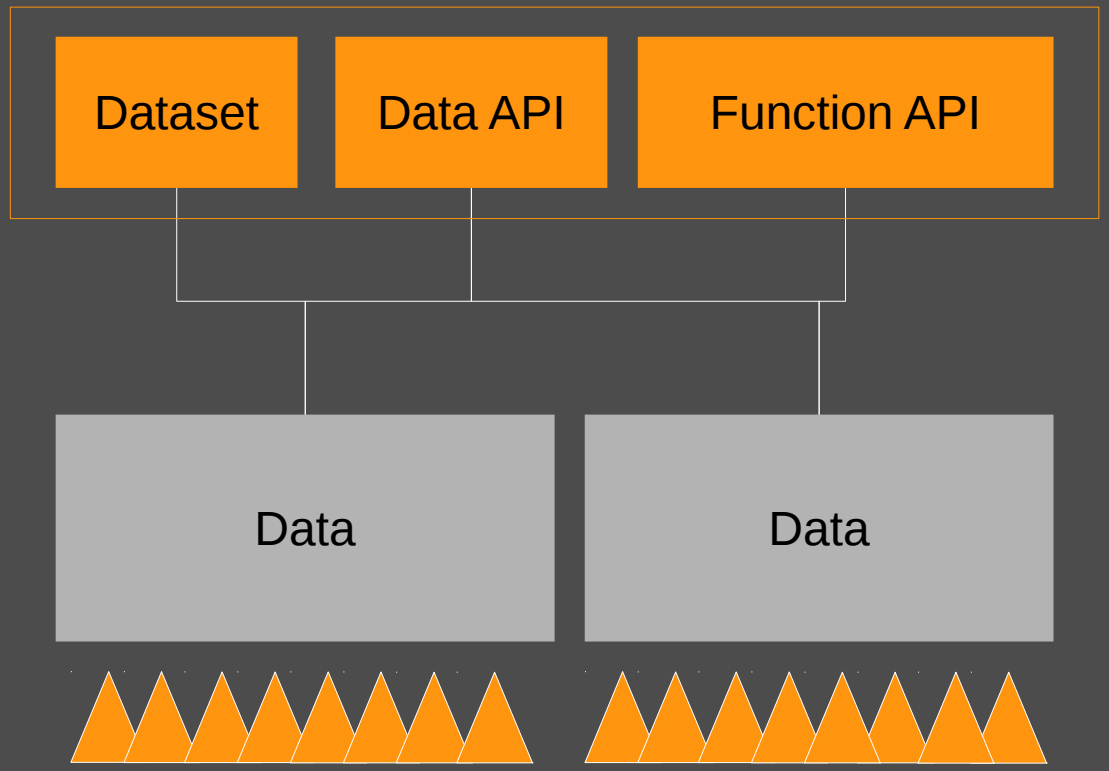
400+

Technical API enthusiasts
Growing fast!

Opportunities

Provide functions over API,
processed information,
towards block programming

10% 10% 80%



Support application logic building
– not just provide data

Provide freetier (with APIs)
– 3x more paying customers

Use API management for outbound APIs
- non-functional features

Use standards based scalable practices

APInf Oy

Full-stack API Economy house

Finland (Tampere), India, Ukraine and Brazil

Open Source API management product – DX focus

- Multiproxy support
- Multiprotocol (SOAP, REST, Websocket, Stomp, CoAP, TCP, MQTT)

- Smart City platform - FIWARE

- APItalists – API strategy & smart city consultancy

- Standardized API value chain automation – APIOps community

Tampere, Helsinki, Budapest, Atlanta (GA), Copenhagen...