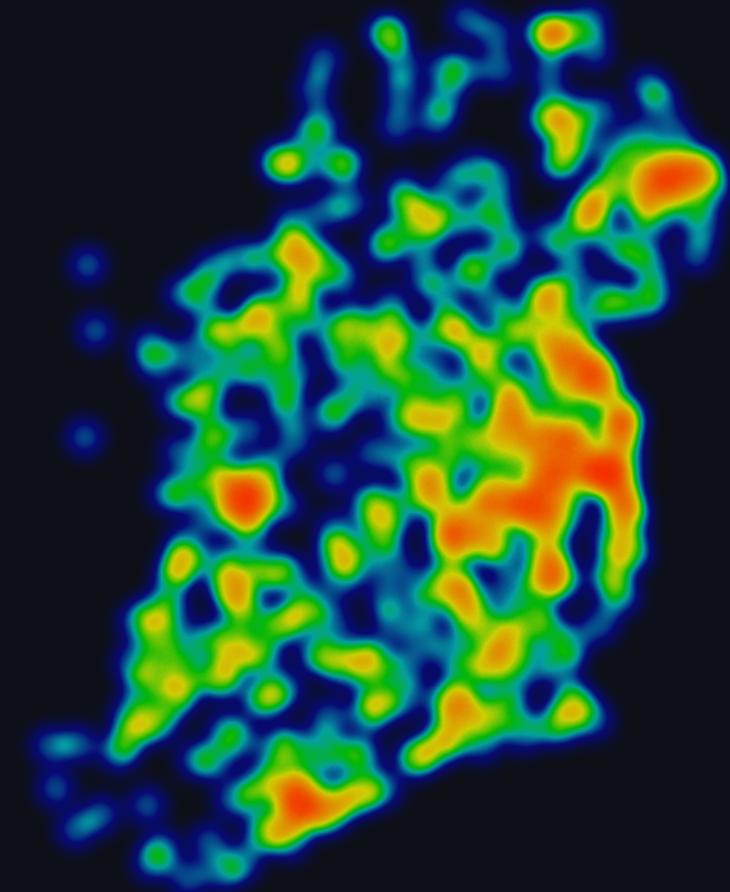




Modern app dev For gov

Martin Woodward
Vice President, GitHub

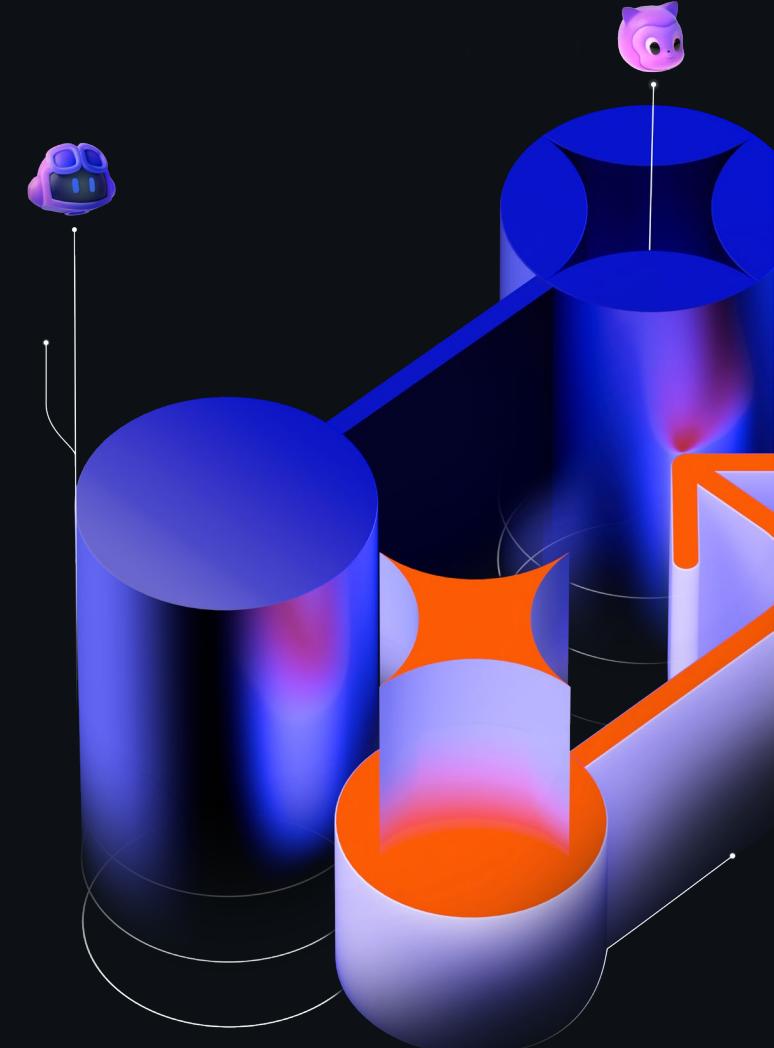




Martin Woodward

Vice President, Developer Relations
GitHub

@martinwoodward





I live here

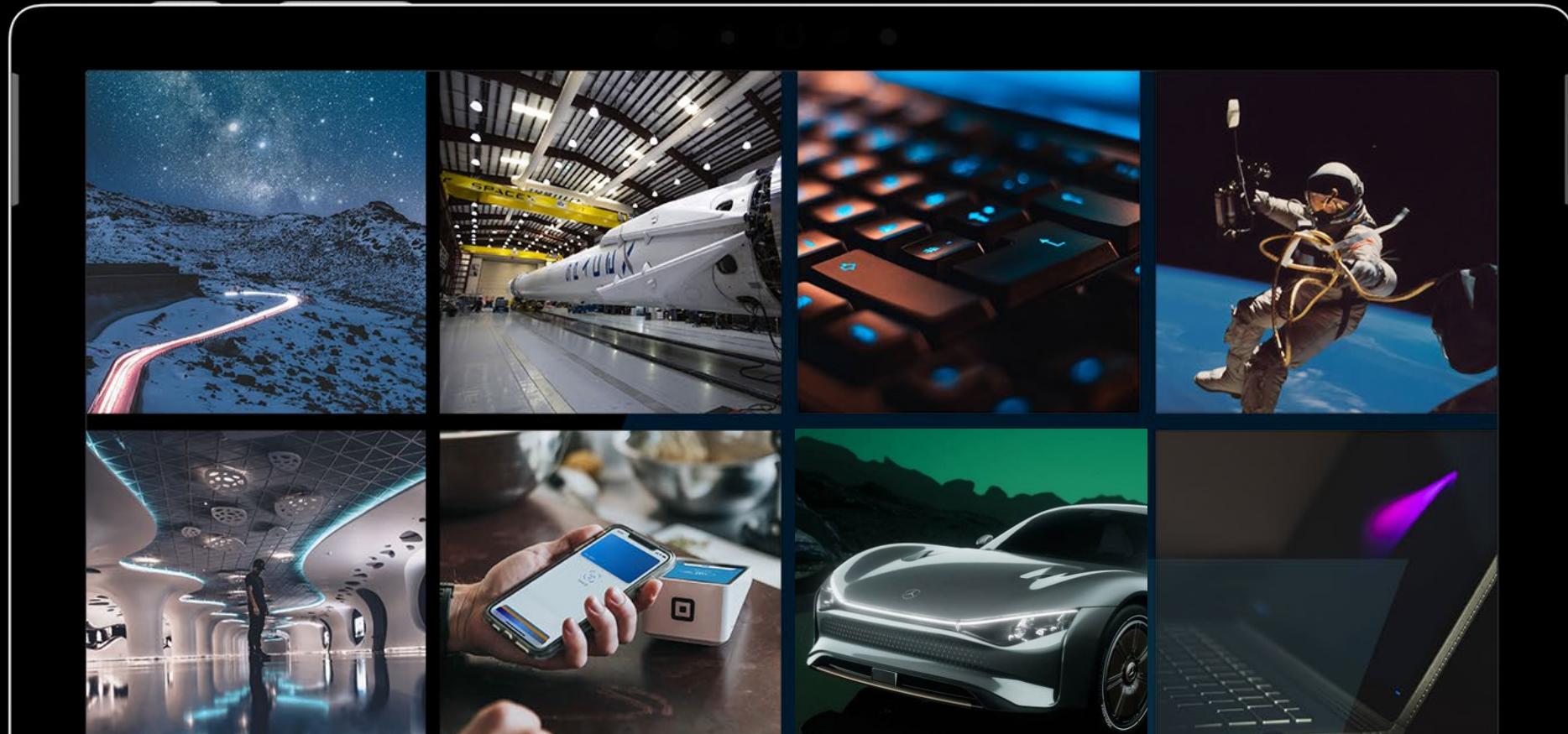


I live here



The future is more innovative than ever

Modern engineering methods have paved the way for a new kinds of software.



Software of the future is...



Centered
on customer
experience



Cloud-native



Intelligent



Built upon the
foundation of
others' work



Citizens expect always on, mobile friendly, efficient public services

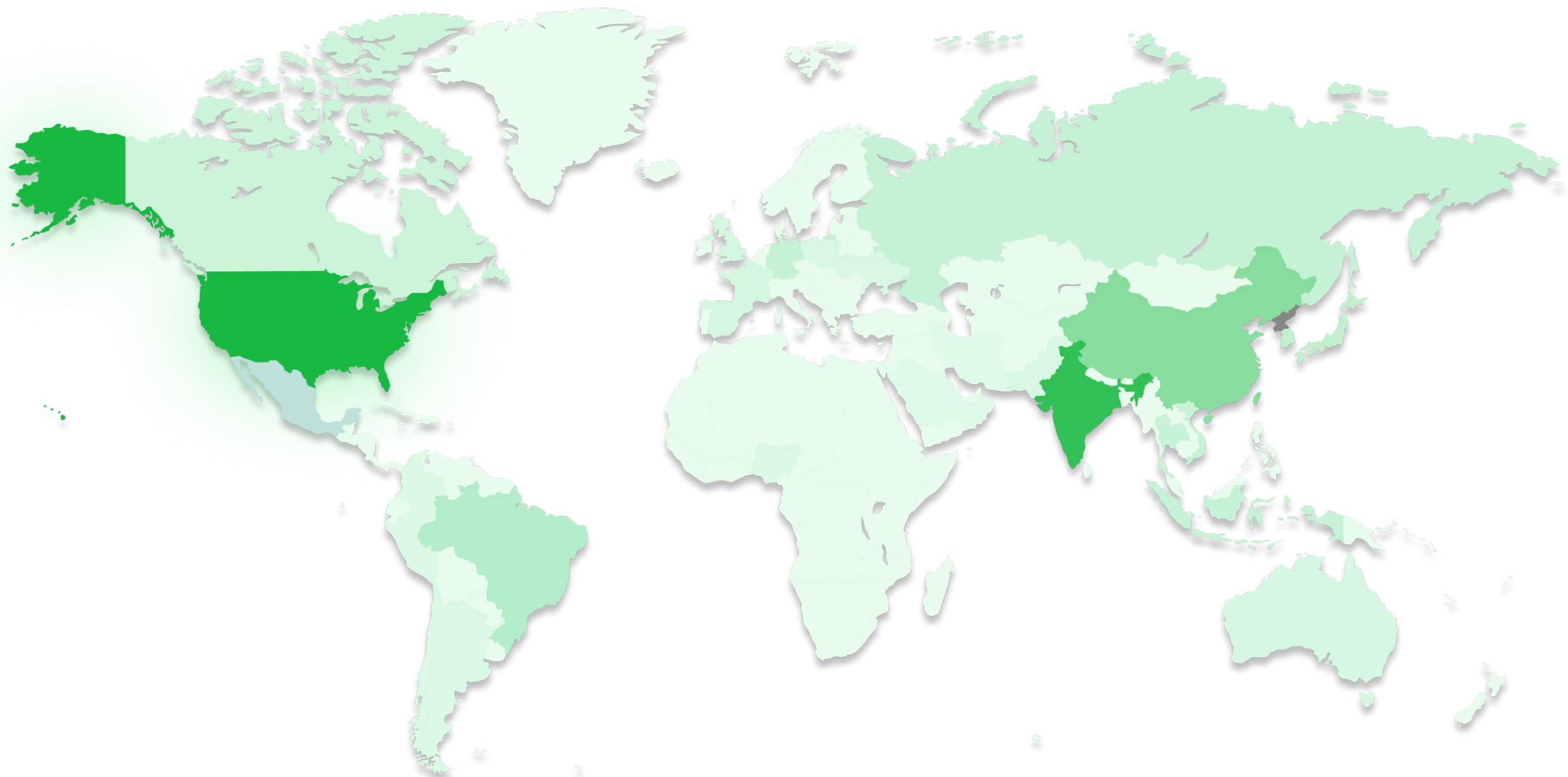
Use world-leading Irish expertise in running online services to automate and streamline public services, freeing up people to assist those most at need.



**Creating the software
of the future is only
possible with modern
engineering methods**

To solve problems, adapt to new
tech, and collaborate across teams,
organizations need DevOps.





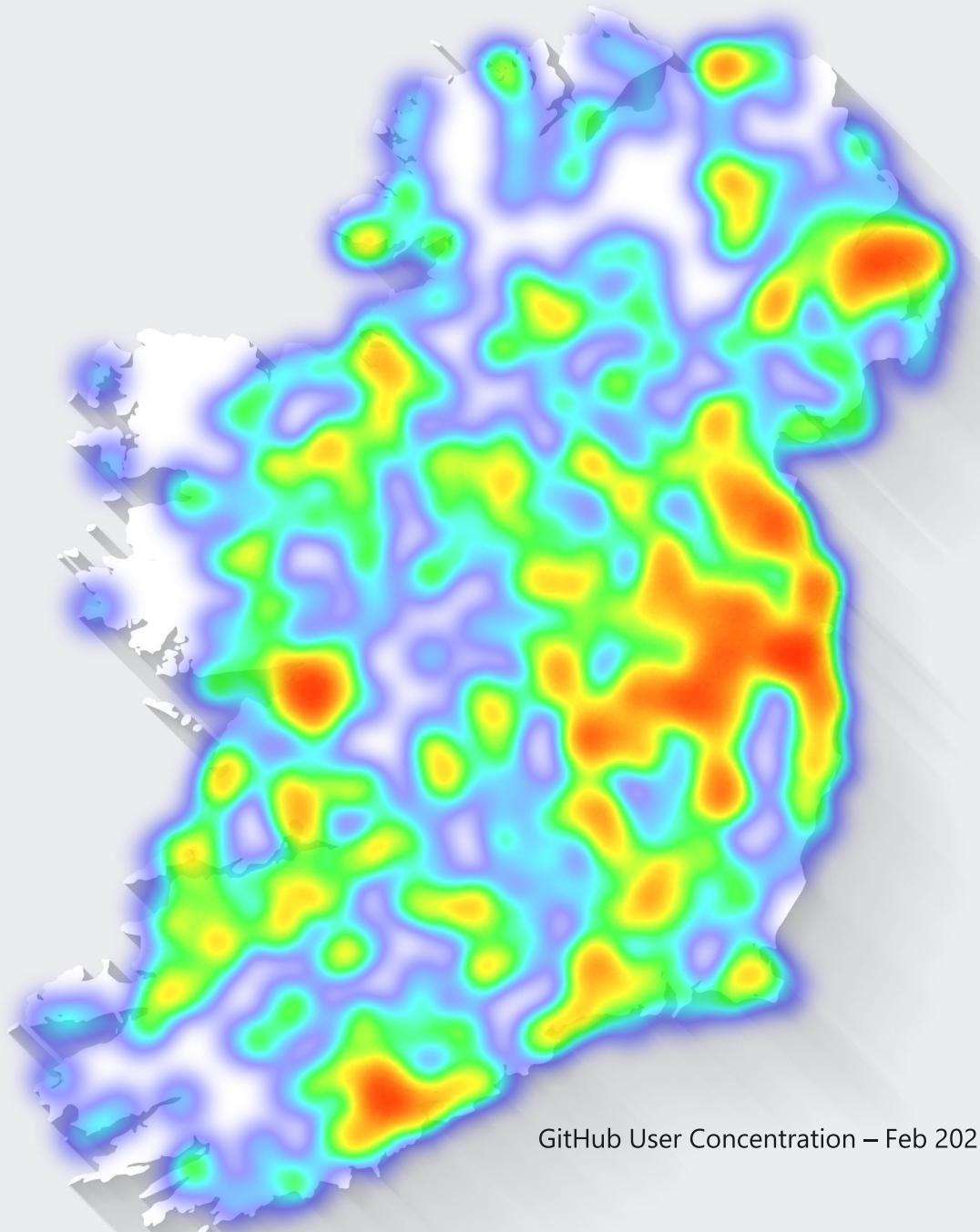
European Top 5 Open Source Communities

Country	Percentage growth	# of developers
United Kingdom	19% YoY	>4M developers
Germany	21% YoY	>3.5M developers
France	20% YoY	>2.8M developers
Spain	24% YoY	>1.8M developers
Turkey	19% YoY	>1.7M developers

Source: GitHub Octoverse Report, 2024

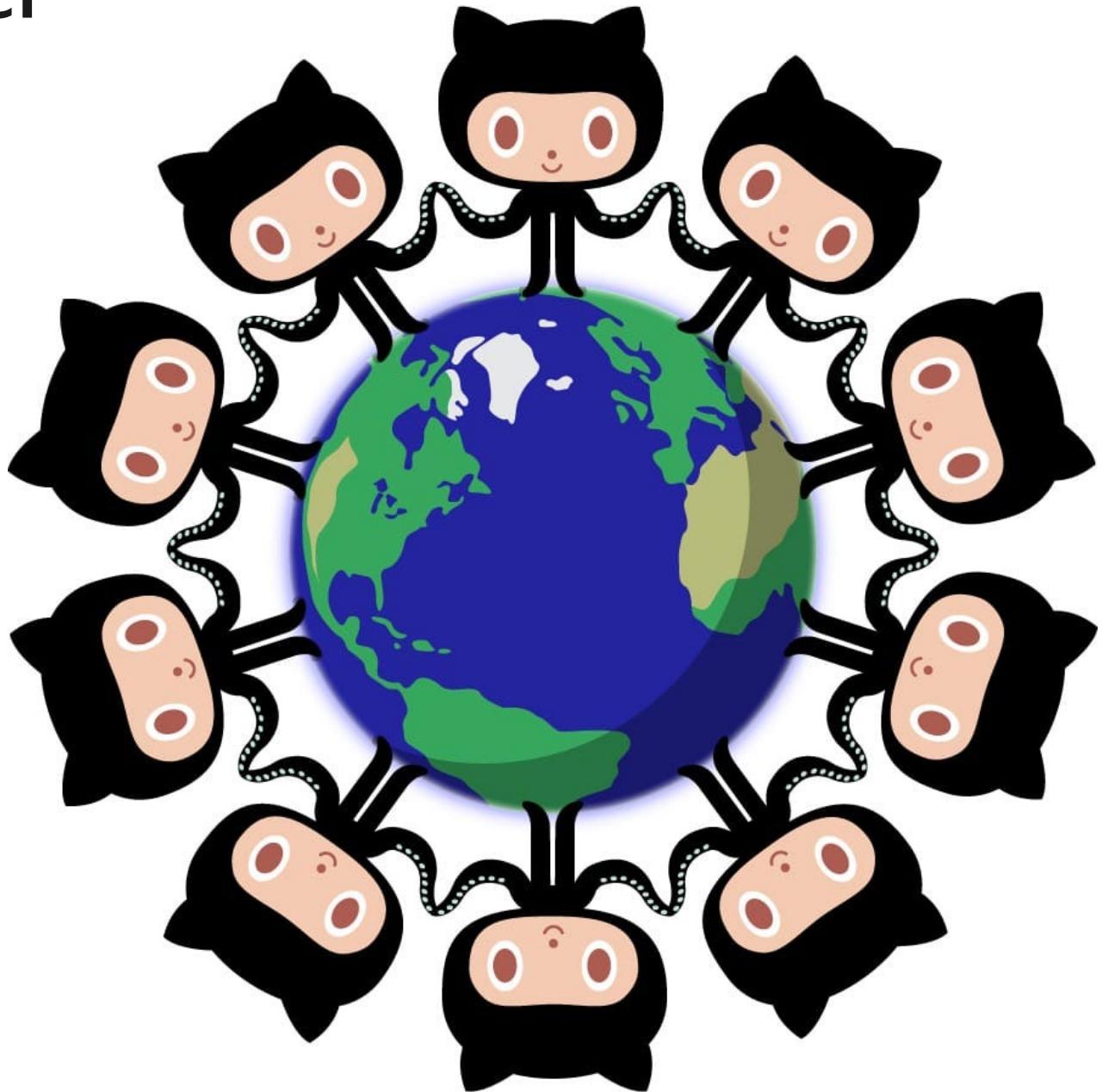
Irish Open Source

- ❖ 356k developers in ROI
(+19% YoY)
- ❖ 55th Largest developer community
- ❖ 15th Largest developer base in EU
- ❖ 6th Highest EU devs per capita

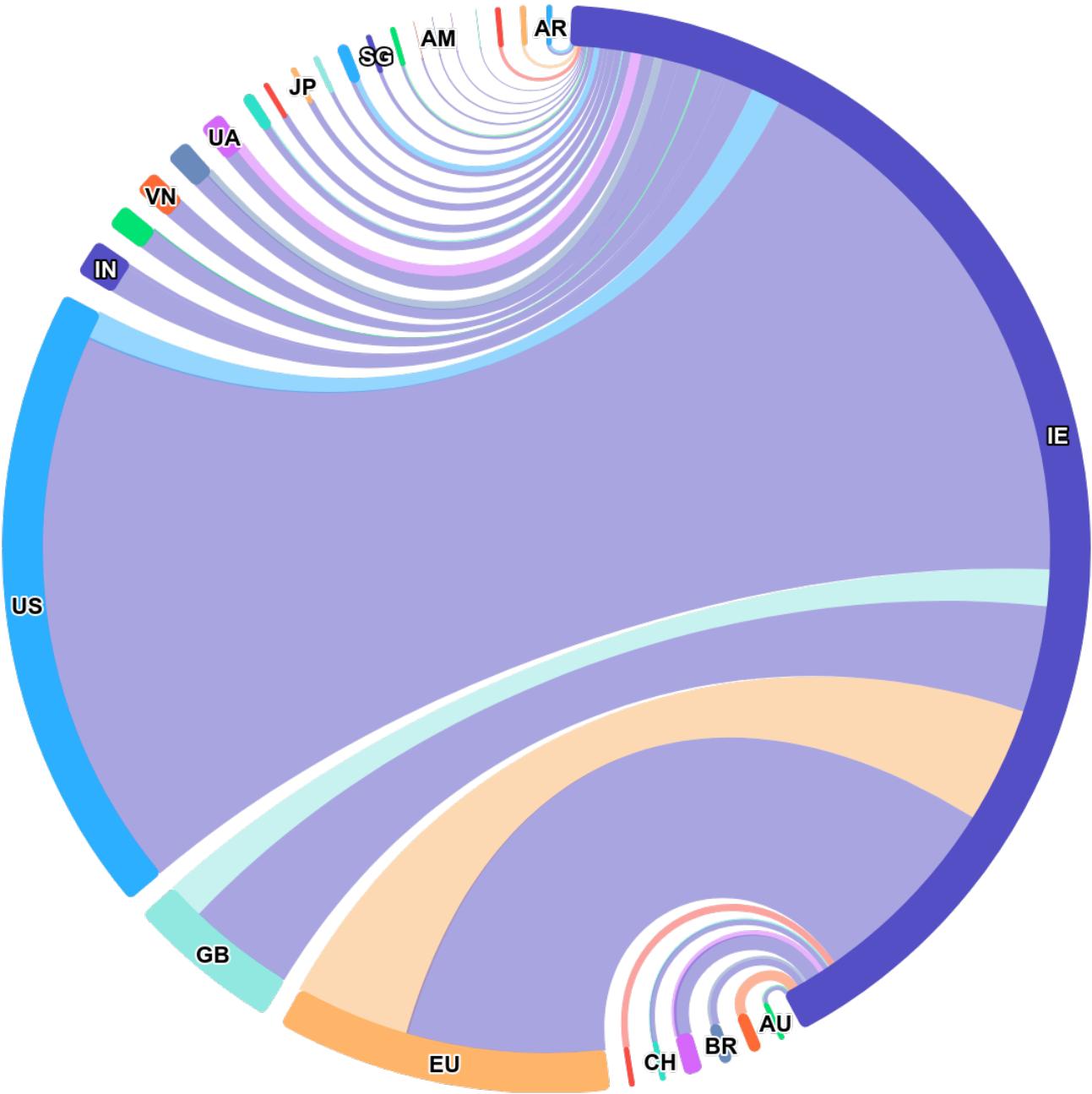


EU GitHub Developers per Capita Ranking

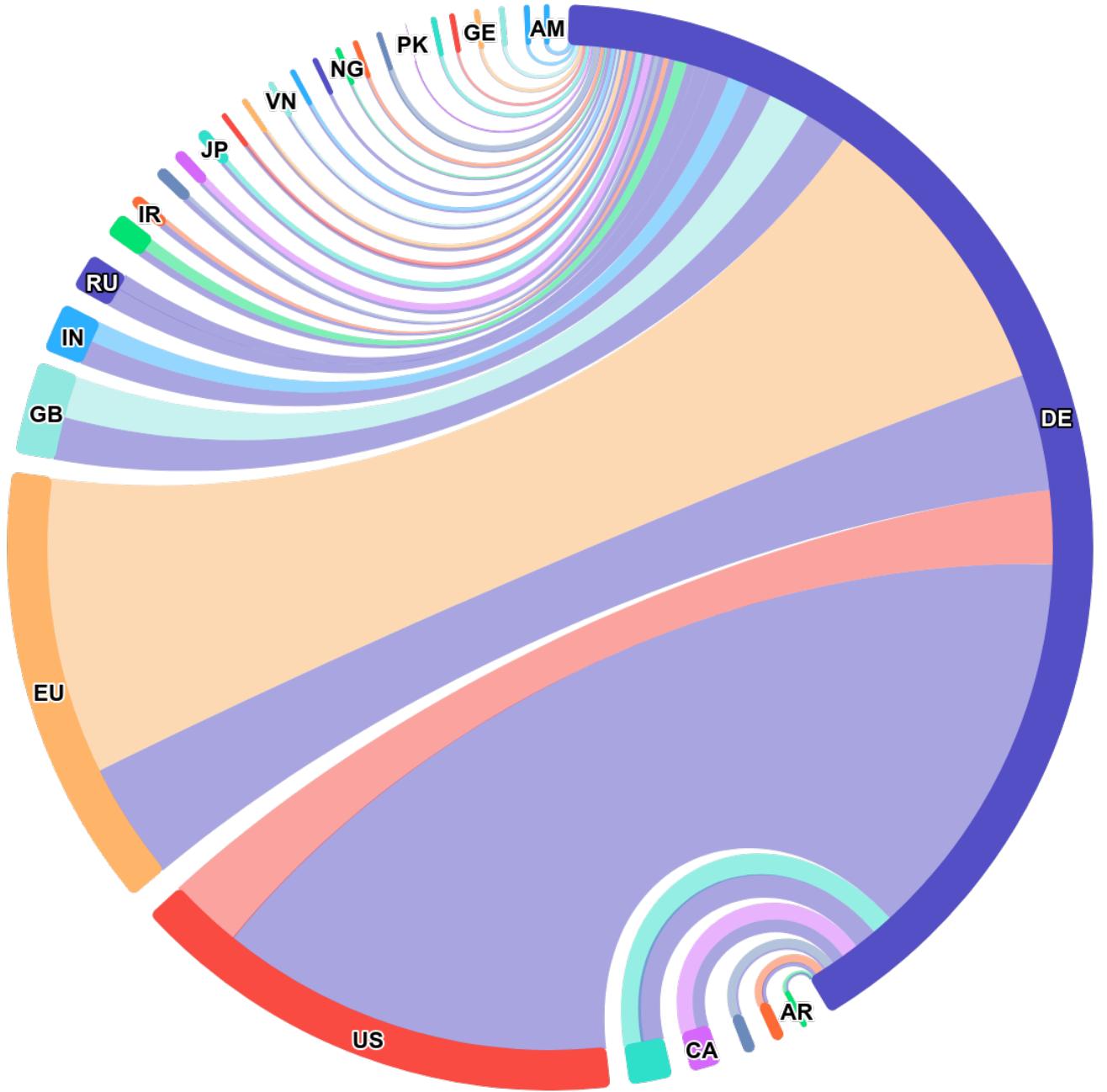
1. Estonia
2. Netherlands
3. Sweden
4. Denmark
5. Finland
6. Ireland
7. Latvia
8. Luxembourg
9. Malta
10. Lithuania



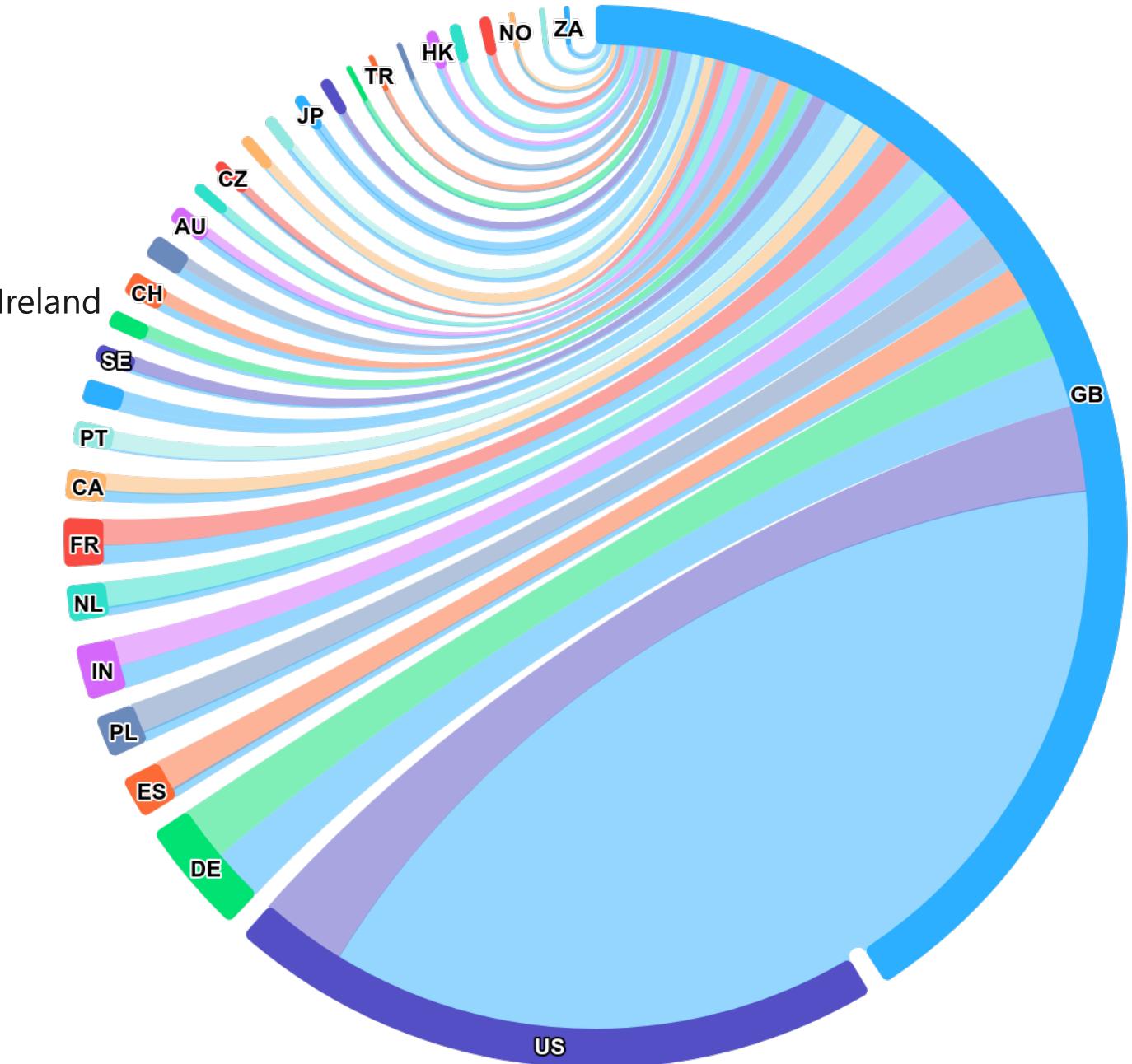
Irish Open Source 'Trading' Economies



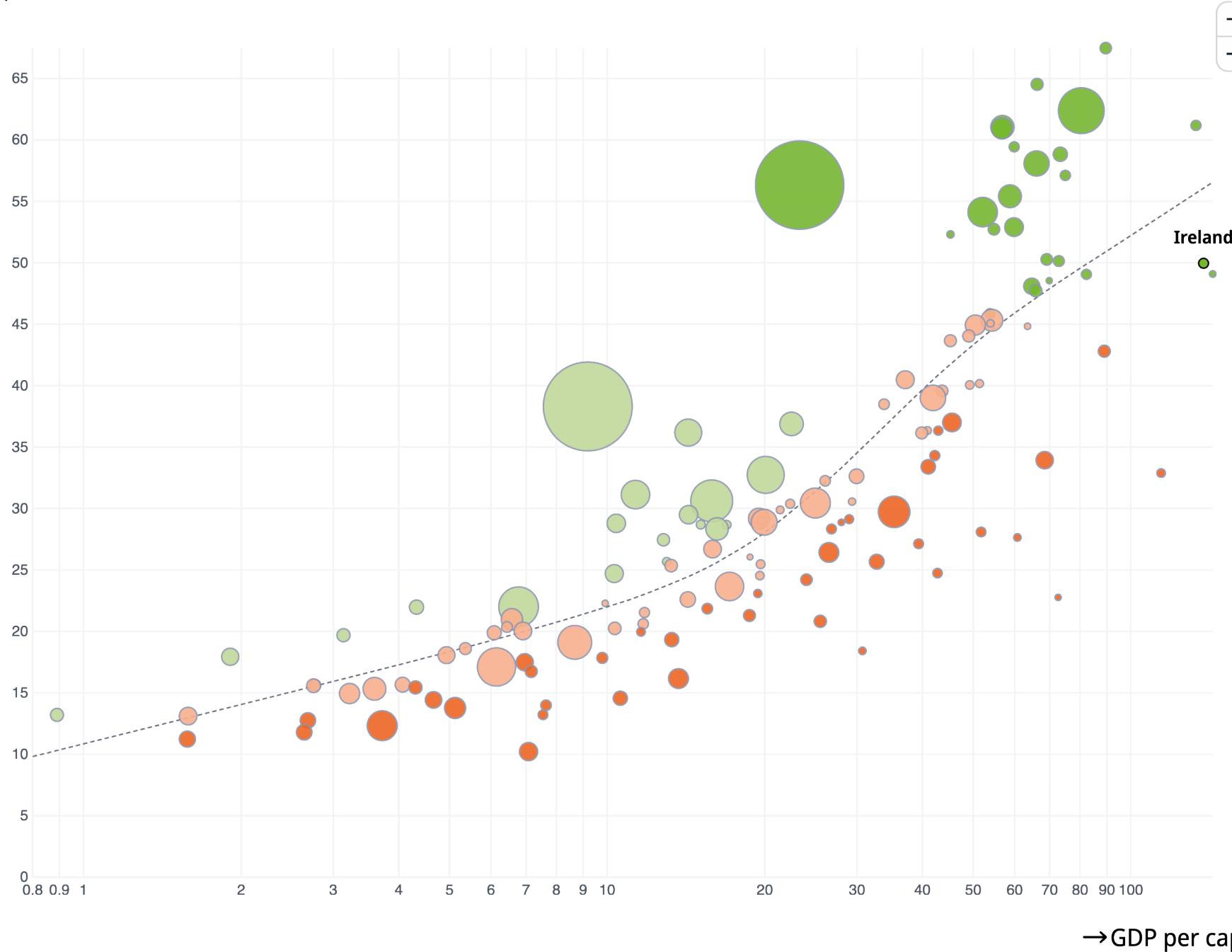
German Open Source 'Trading' Economies



UK Open Source 'Trading' Economies



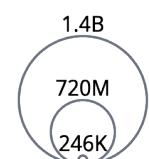
↑ GII Score



Click on each category to highlight

- Innovation leader
- Performing above expectations for level of development
- Performing at expectations for level of development
- Performing below expectations for level of development

Size legend (Population)



Source: Global Innovation Index Database, WIPO, 2024.

High Performing Innovation Economy Trends

- Focus on citizen needs
- Open source software development by default
- Open data by default
- High cyber resilience
- Sovereign tech accelerators / funds
- In-house software development expertise
- Fostering public service responsibility / opportunities

Common Mistakes

- Architecture Astronaut / Building too much infrastructure up-front
- Splashy funds, attaching to tech meme of the day
- Focusing on publishing as open rather than focusing on community
- Resistance to publishing
- Lack of collaboration
- National silos / ghettos
- Federal / devolved government adds complexity & slows progress

UN eGov Survey

gh.io/egov2024



Department of Economic and Social Affairs

E-Government Survey 2024

Accelerating Digital
Transformation for
Sustainable Development

With the addendum on Artificial Intelligence



Principles of effective governance for sustainable development

Effectiveness

- Collaboration
- Sound policy making
- Competence

Accountability

- Integrity
- Transparency
- Independent oversight

Inclusiveness

- Leaving no-one behind
- Non-discrimination
- Participation
- Subsidiarity
- Intergenerational Equity

Countries leading e-government development, 2024

1. Denmark
2. Estonia
3. Singapore
4. Republic of Korea
5. Iceland
6. Saudi Arabia
7. UK
8. Australia
9. Finland
10. Netherlands

Source: 2024 United Nations E-Government Survey.



Office of Innovation



Understand the
existing ecosystem



Share, reuse,
and improve



Design with
people



Design for
inclusion



Build for
sustainability



Establish people-first
data practices



Create open and
transparent practices



Anticipate and
mitigate harms



Use evidence to improve
outcomes



Digital
Public
Goods
Alliance

Home

Who We
Are ▾

What We
Do ▾

Digital Public
Goods ▾

Get Involved

Blog

Unlocking the
potential of open-
source
technologies for a
more equitable
world.

Explore and learn more about digital public goods >



OSOR Open Source Observatory (OSOR)

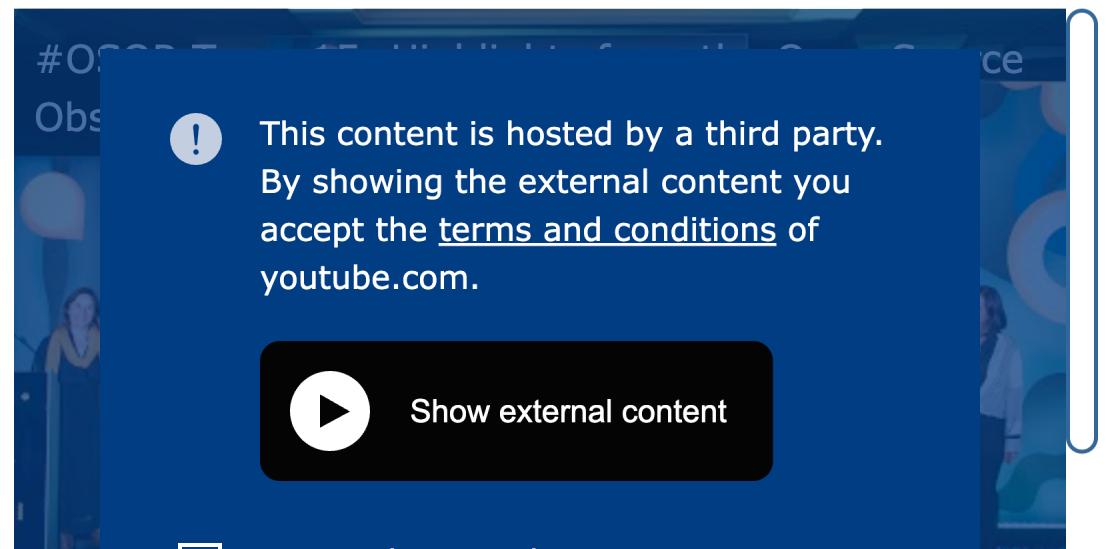
[Join this collection](#)[OSOR mission](#)[News & Events](#)[Knowledge Centre](#)[OSPOs & OSS Governance](#)[See more](#) ▾

OSOR mission

[!\[\]\(16bf16ba6e43d8c55f2df8d09e75b622_img.jpg\) Bookmark](#)[!\[\]\(01f22590112b19e5827edeb297126225_img.jpg\) Translate](#)

OSOR is a place where the Free and Open Source software community can come together to publish news, find out about events, find relevant open source software solutions and read about the use of Free and Open Source in public administrations across and beyond Europe.

OSOR is a **trustworthy observatory** that provides **FOSS expertise** and **information** as well as serves as **middle-ground to connect** European Public Administrations with other relevant stakeholders. To reach this objective, OSOR promotes the use of Free and Open Source software and supports the **community**.

[Read more about OSOR here...](#)

This content is hosted by a third party. By showing the external content you accept the [terms and conditions](#) of youtube.com.

 Show external content



The **Sovereign Tech Fund** is now part of the **Sovereign Tech Agency**.

Strengthening Digital Infrastructure and Open Source Ecosystems in the Public Interest

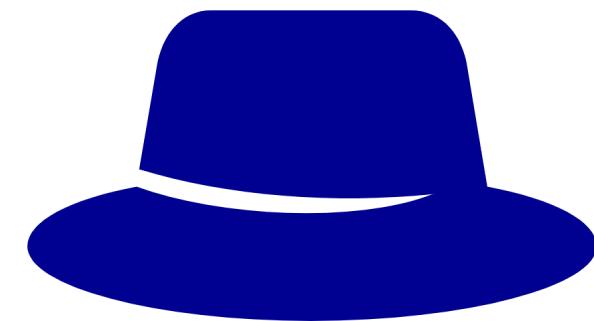
The Sovereign Tech Agency supports the development, improvement, and maintenance of open digital infrastructure.

[Our Mission →](#)

BlueHats, c'est qui ?

Les BlueHats sont toutes les personnes qui souhaitent montrer qu'elles contribuent à des logiciels libres développés et/ou utilisés par l'administration publique : les agents publics impliqués dans le développement de ces logiciels, bien sûr, mais aussi les citoyens qui reconnaissent que leurs actions pour des logiciels libres aide les projets de l'administration.

BlueHats n'est pas un produit ou une marque de la DINUM, c'est un mouvement auquel elle contribue en publiant une gazette, en organisant des ateliers en ligne et des rencontres en présentiel - toutes les administrations sont invitées à contribuer à ce mouvement !

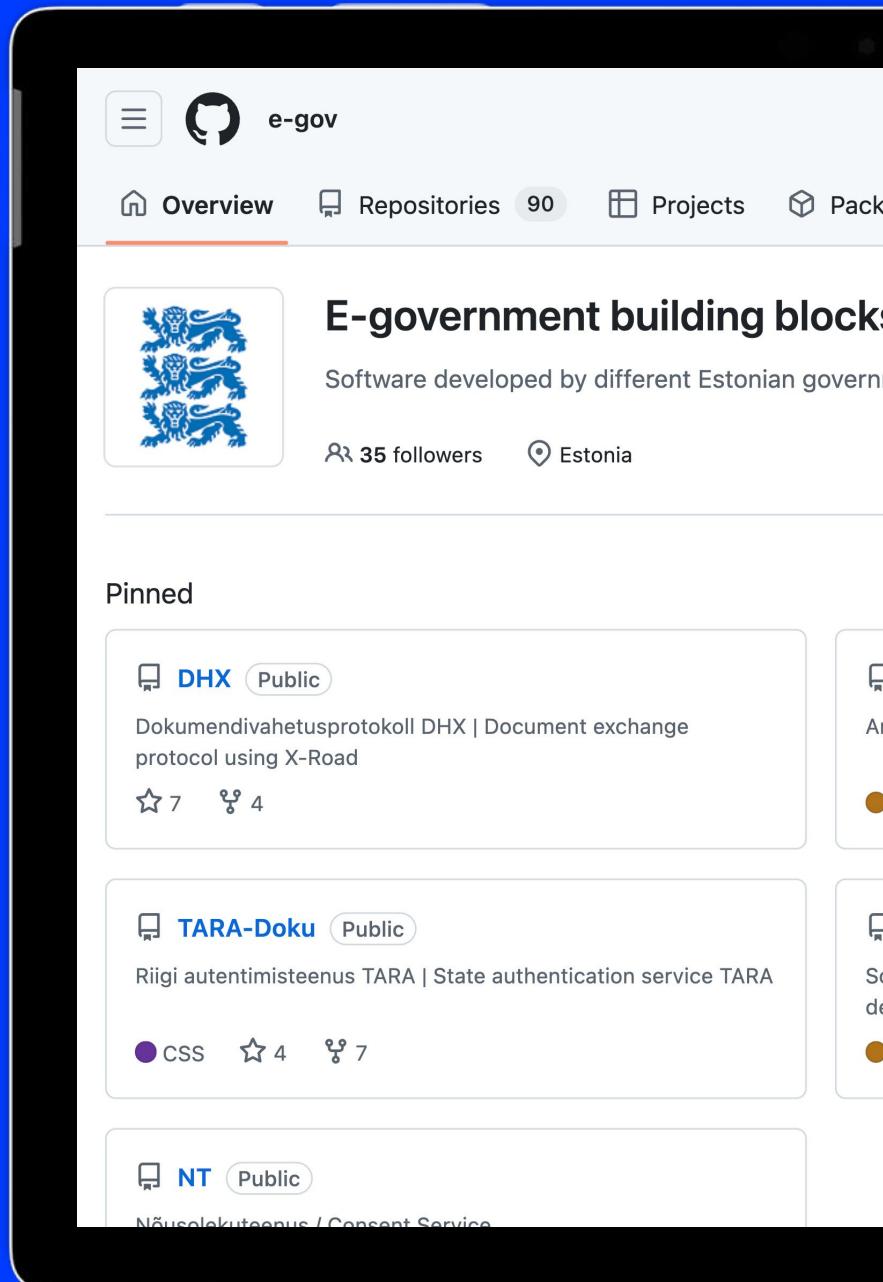


bluehats

Estonia

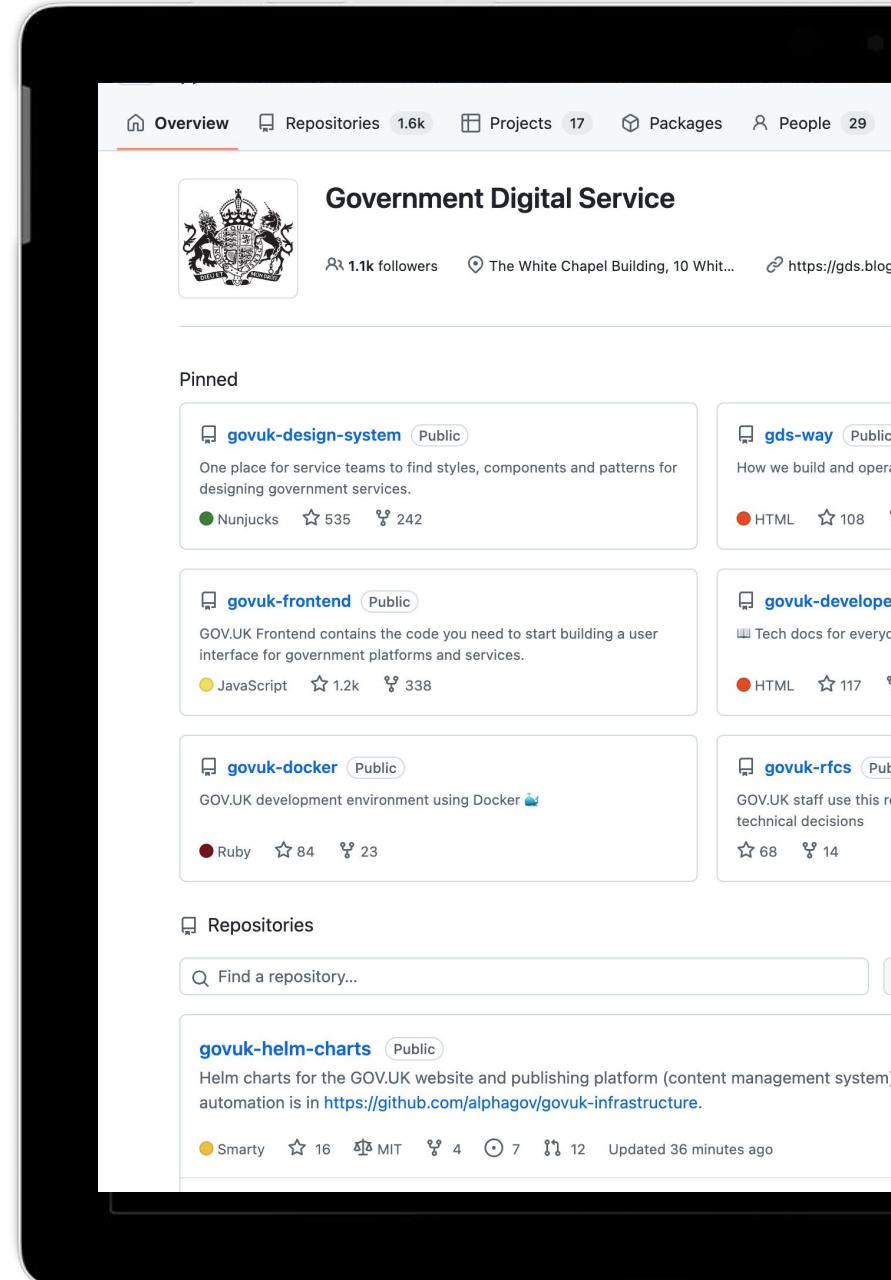
100% digital, 0%
bureaucrazy

Estonia is thrilled to announce that every government service is now fully digital. Whether signing documents, starting a business, paying taxes, or arranging healthcare, it's all handled with a click.



GOV.UK Design Principles

1. Start with user needs
2. Do less
3. Design with data
4. Do the hard work to make it simple
5. Iterate. Then iterate again
6. This is for everyone
7. Understand context
8. Build digital services, not websites
9. Be consistent, not uniform
10. Make things open: it makes things better



Jan 2025 Policy Paper

A blueprint for modern digital government

1. Join up public sector services
2. Harness the power of AI for the public good
3. Strengthen and extend our digital and data public infrastructure
4. Elevate leadership, invest in talent
5. Fund for outcomes, procure for growth and innovation
6. Commit to transparency, drive accountability



SHALL HE PLAY A GAME?

Open Source is not a
Zero-Sum Game

The future is already here.

It's just unevenly distributed.

- William Gibson



Thank You

Martin Woodward

martinwoodward@github.com

