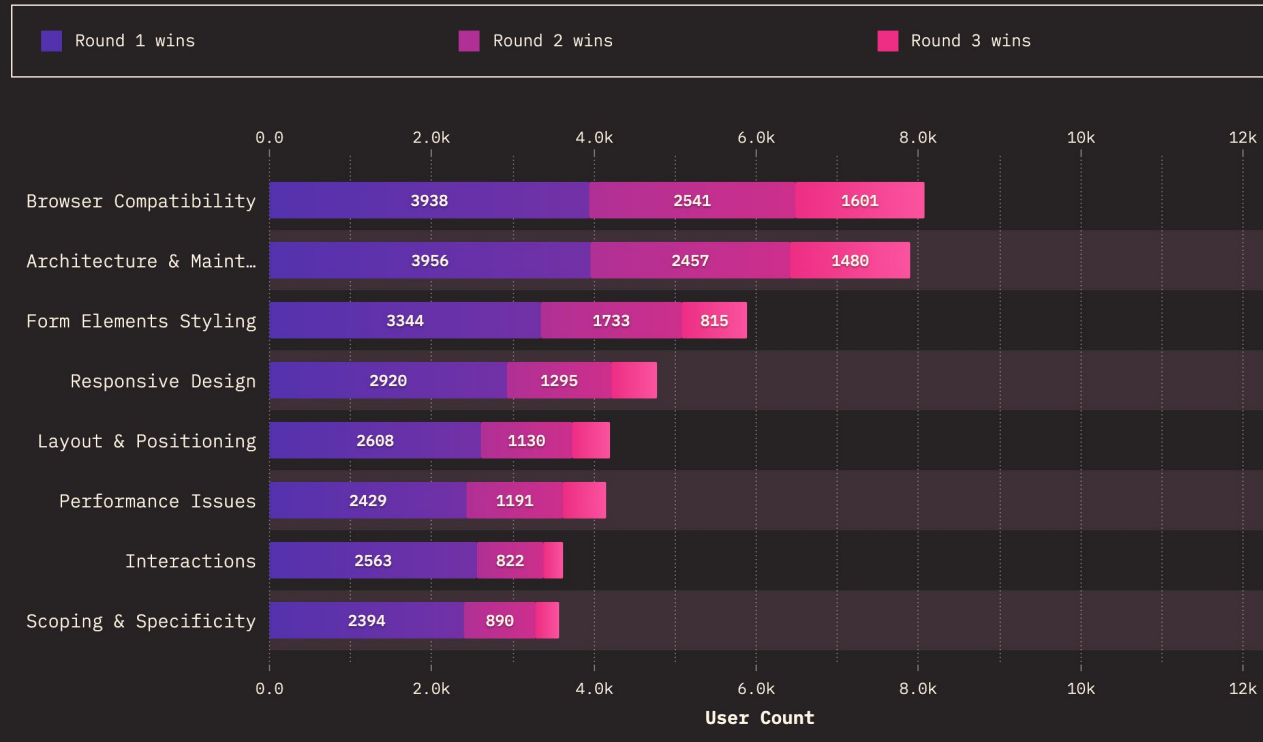


Web Dev Experience

Andre Bandarra, Philip Jägenstedt,
Robert Nyman, Kadir Topal

CSS PAIN POINTS

Which aspect of CSS do you struggle with the most? Results are ranked by number of tournament rounds won.



https://2021.stateofcss.com/en-US/opinions/#css_pain_points_wins

Adoption of New Technologies

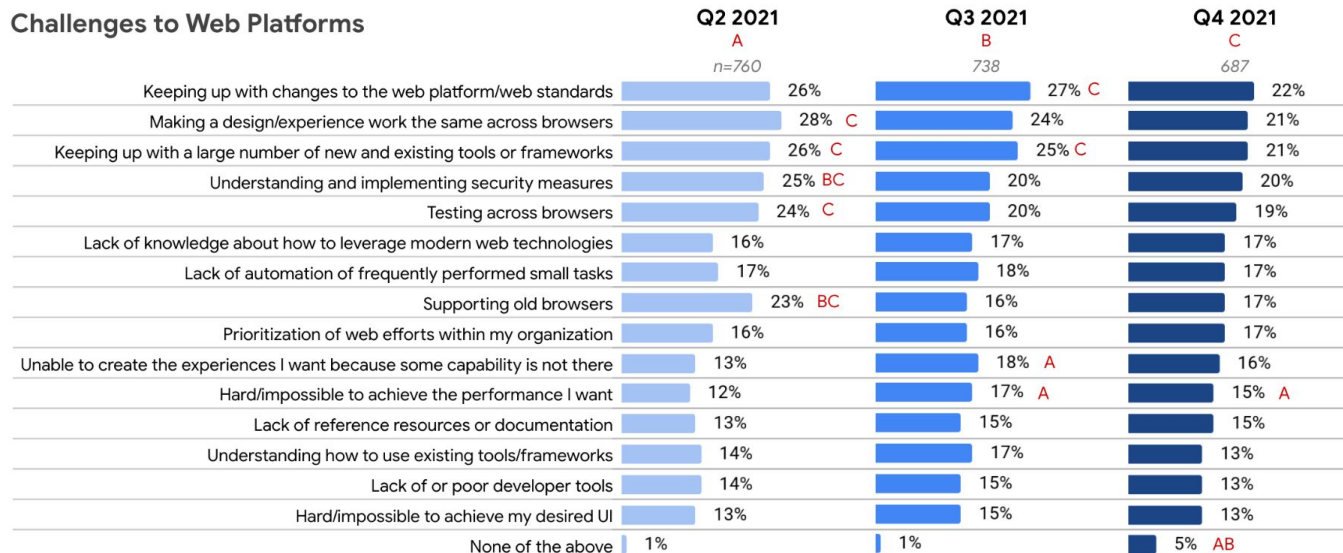
The biggest barrier developers face when adopting a new technology is broad interoperability across browsers, which is the same as last year. A close second is support for legacy browsers. Considering that having to support specific browsers is the overall number one frustration developers have when developing for the web, it's not surprising that barriers to adopting new technologies are related to browser compatibility.

New for this year was the answer, "Organizational approval."



n = 5,526

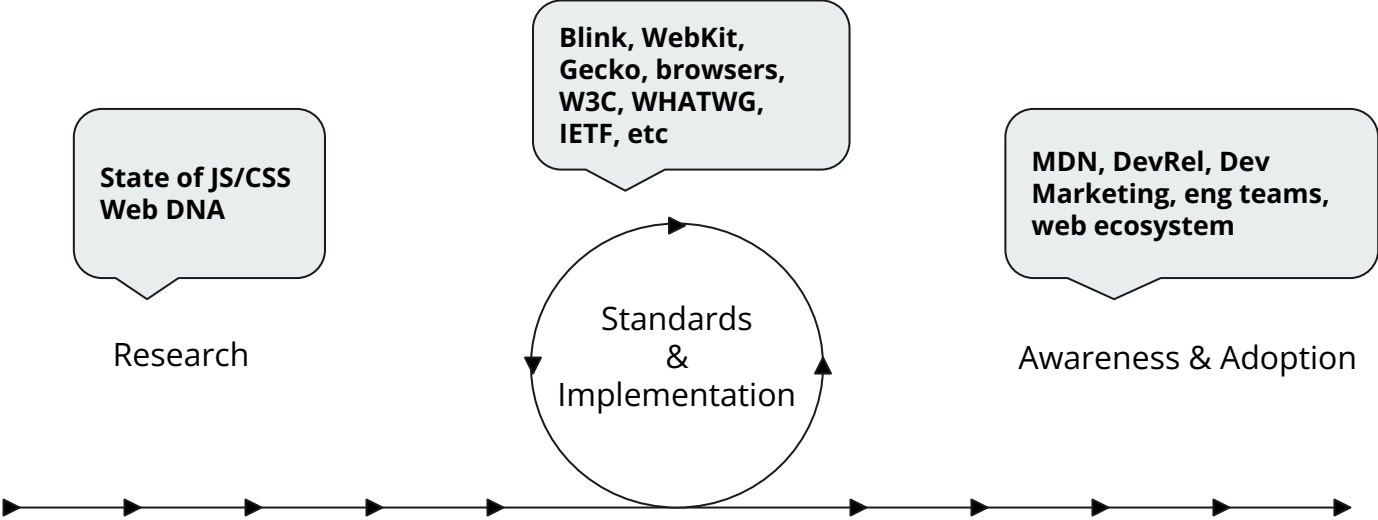
Keeping up with changes, keeping up with number of tools and making design work the same across browsers remain as top challenges.



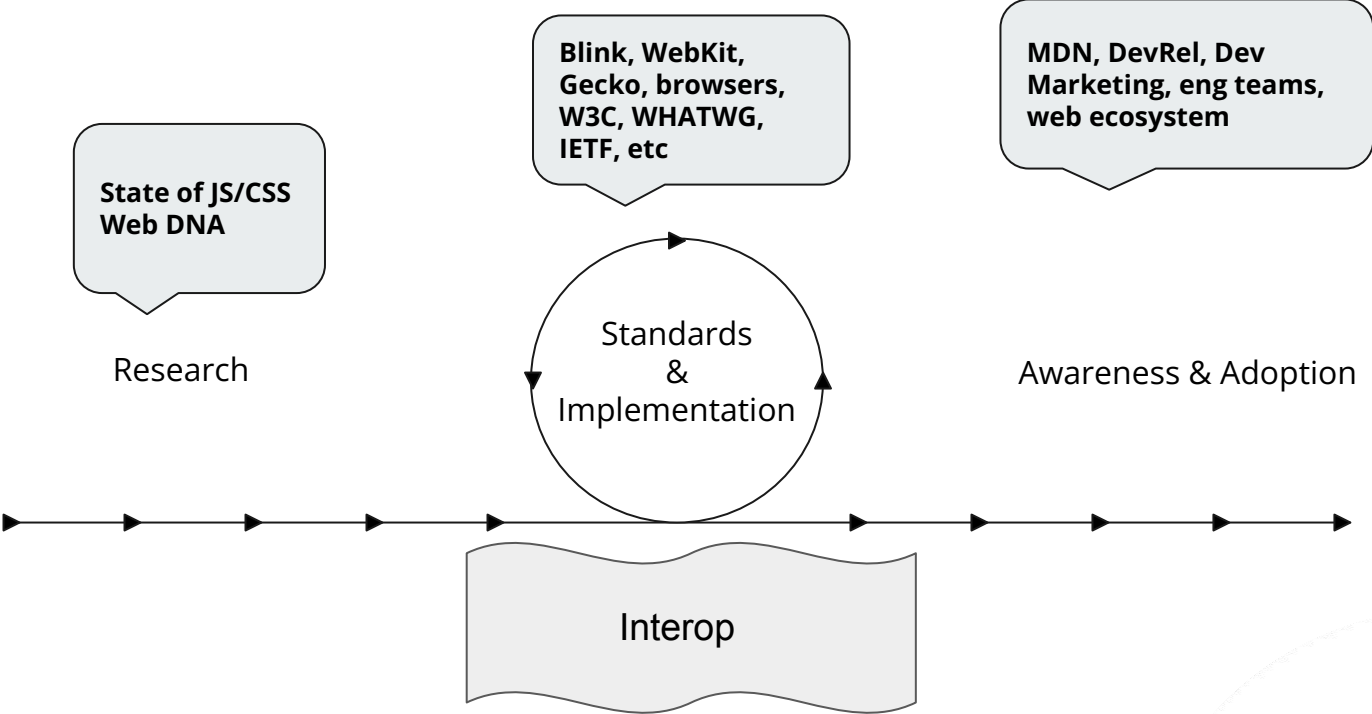
Research conducted on behalf of Google.

Top developer pain points are symptoms of the same root cause: Fragmentation.

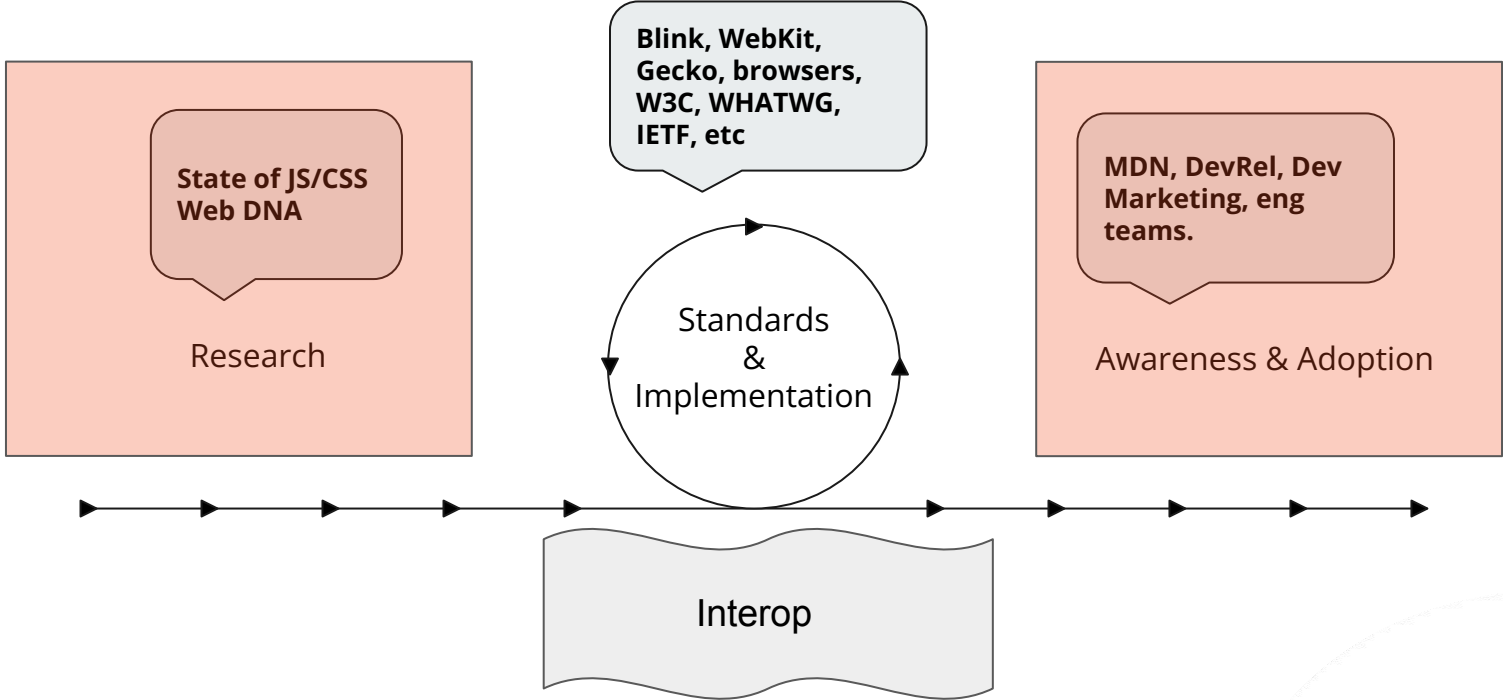
Web Platform Feature Phases



Web Platform Feature Phases



Web Platform Feature Phases



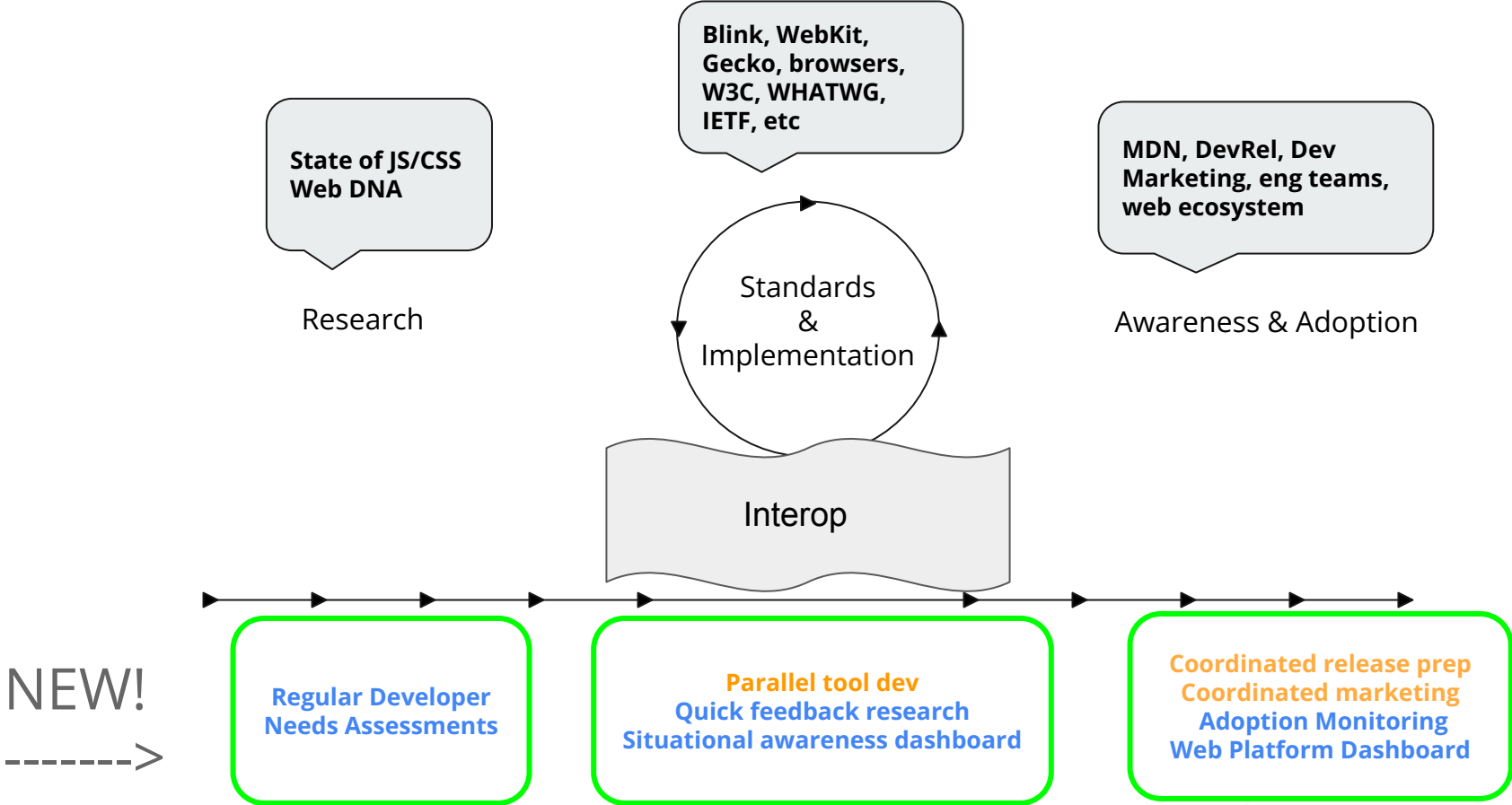
Goals

- We provide developers with clear guidance on what has been landed on the platform and what is not quite there yet.
- Over the long term we reduce fragmentation by reducing the time to availability across browsers and adoption for the web platform features that developers need most.

WebDX discussions

- Started in Q1 2022
- Focused on shared research and awareness of available features
- Research: MDN short surveys
- Features: A feature taxonomy to be shared by mdn, caniuse.com and others

Web Platform Feature Phases



Discussion Topics

- Is web developer experience an issue that needs to be targeted?
- Are shared research and providing guidance on available features the most impactful anchors?
- What would make the research more impactful?
- What are good and bad ways to go about clarity and guidance on what the platform is?

Bonus Content



Vision

We have a clear understanding of developer needs, provide situational awareness for decision making, and accelerate the availability and adoption of web platform features that developers need most.

Strategy: Targeted communication

- **Web platform profiles for clear communication**
 - Baseline: All web platform features that just work in all major browsers
 - Mainline: Baseline + subset of things that are progressive enhancements and can be easily polyfilled
 - Extended: Feature that are not in mainline.
- **Transparent principles**
- **Continuously maintained definitions**

Go-to-market

- Ongoing and moments in time

Ongoing

Evergreen status for Baseline and Mainline.
Used for signaling on mdn and caniuse.com.

Moments in Time

Annual opportunities to focus on end to end workflows that are now possible on Mainline.

Strategy: Situational awareness for selective acceleration

