

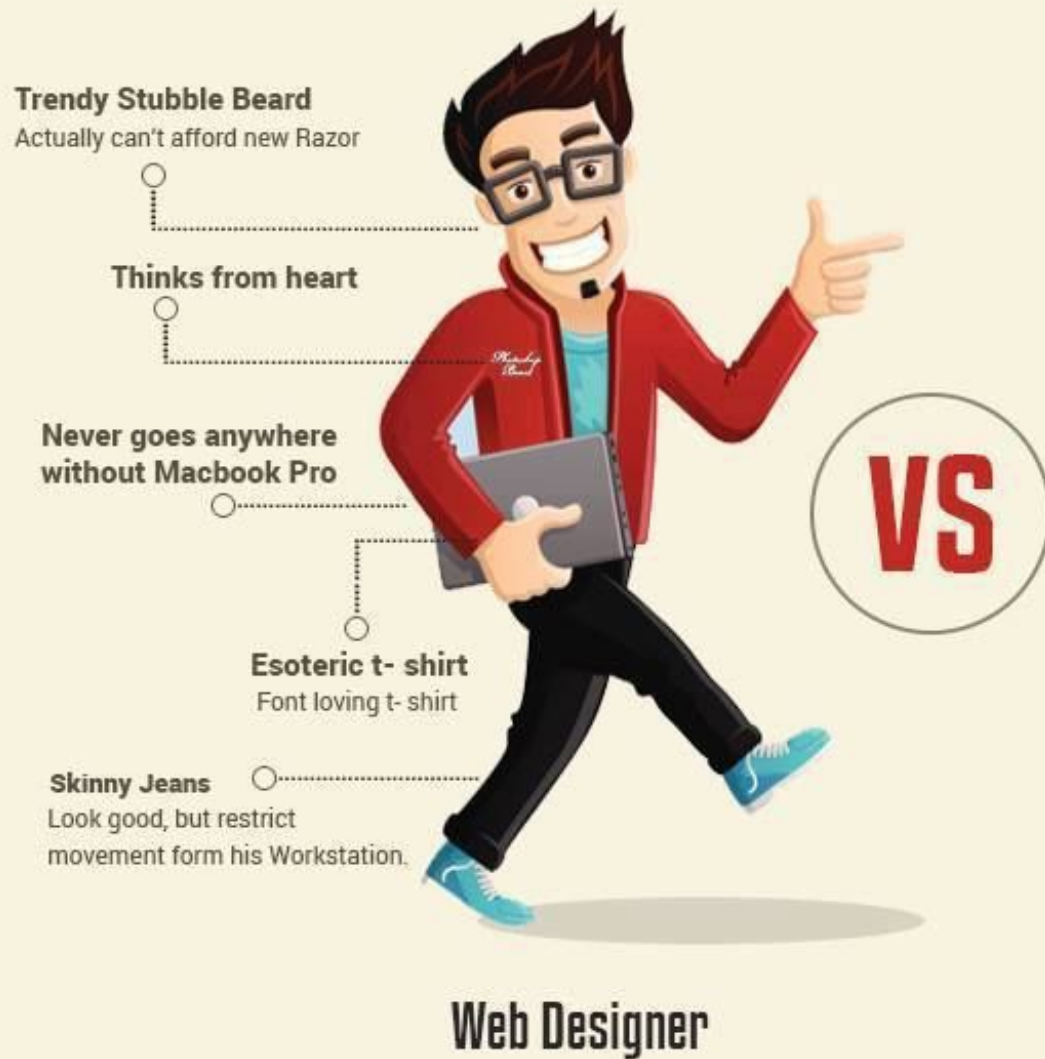


Effective Designer-Developer Collaboration

Michael Gaigg

/kəˌlæbəˈræʃ(ə)n/
the action of working with someone to
produce or create something

2021 ESRI
DEVELOPER SUMMIT



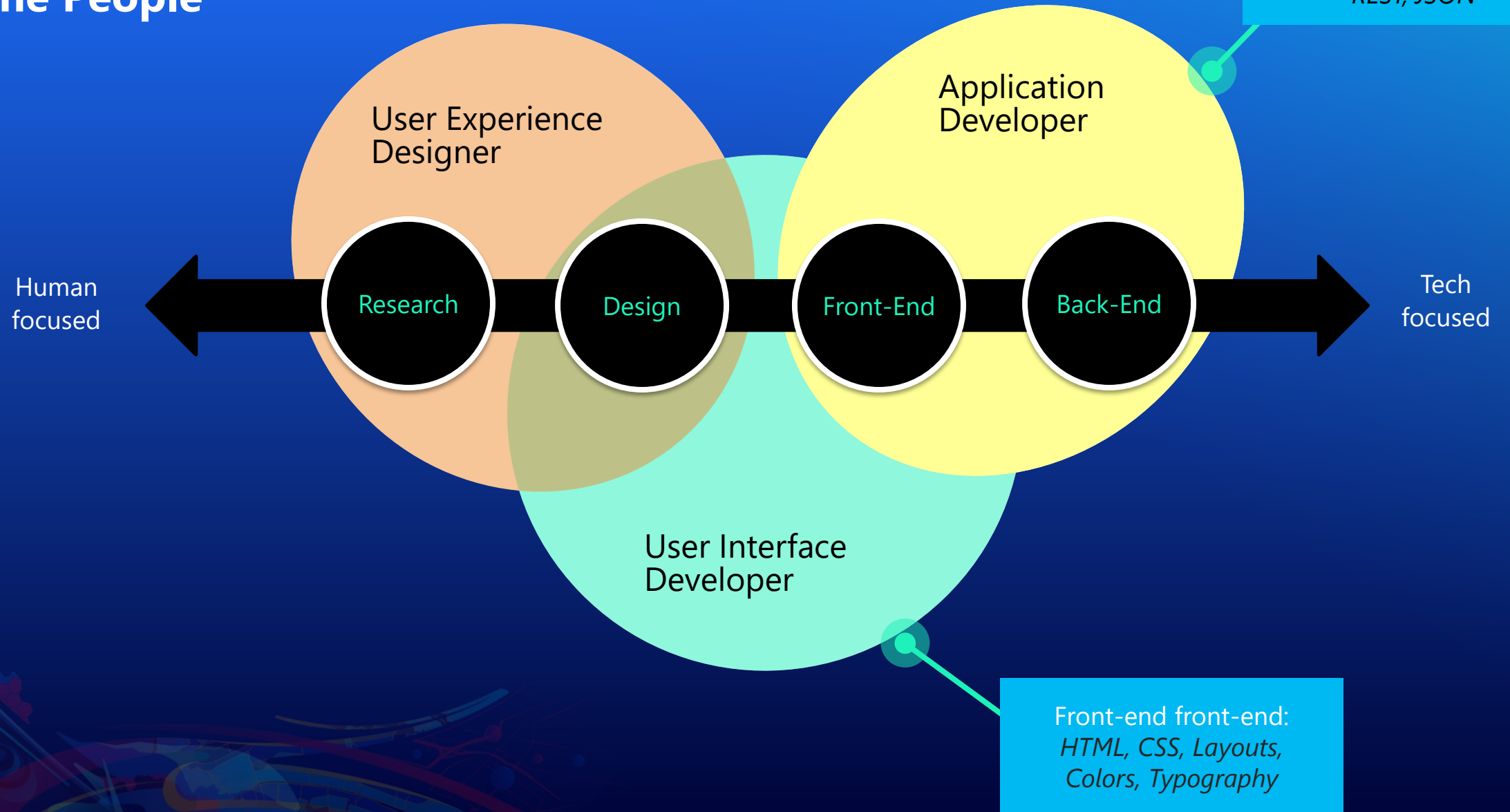
The Goal

- Make a successful product
- What makes a product successful?
 - The People
 - The Process
 - The Language



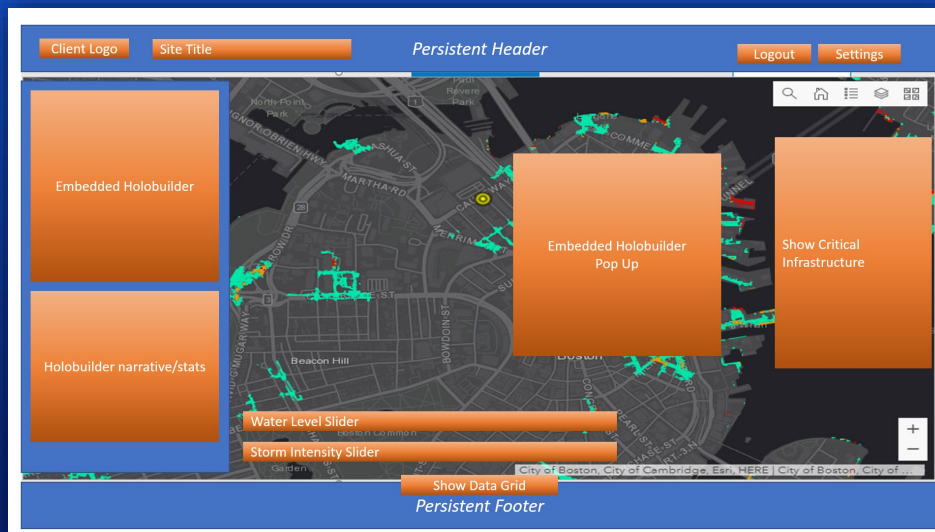
Quality
Product

The People



The Process – Approach 1

- “No design”



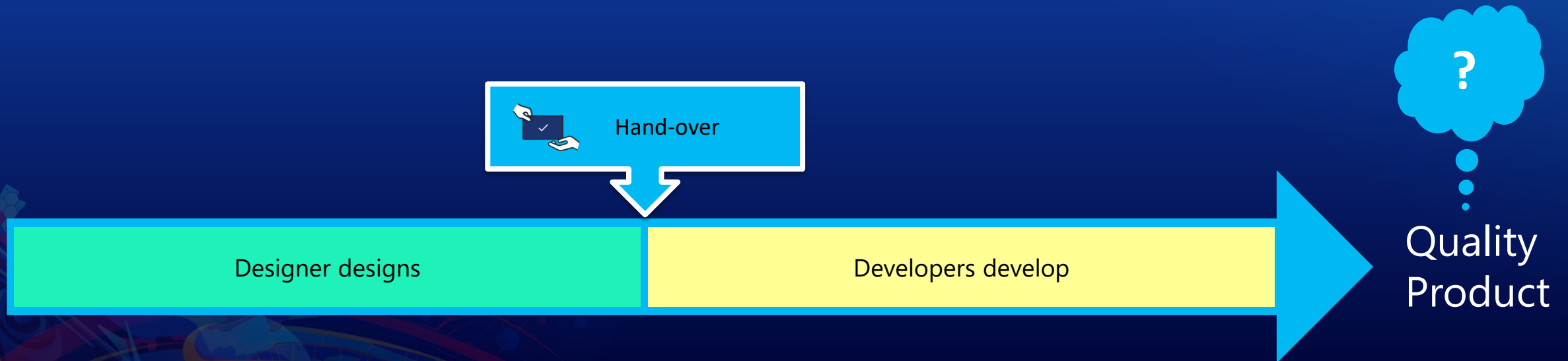
Developers develop



Quality Product

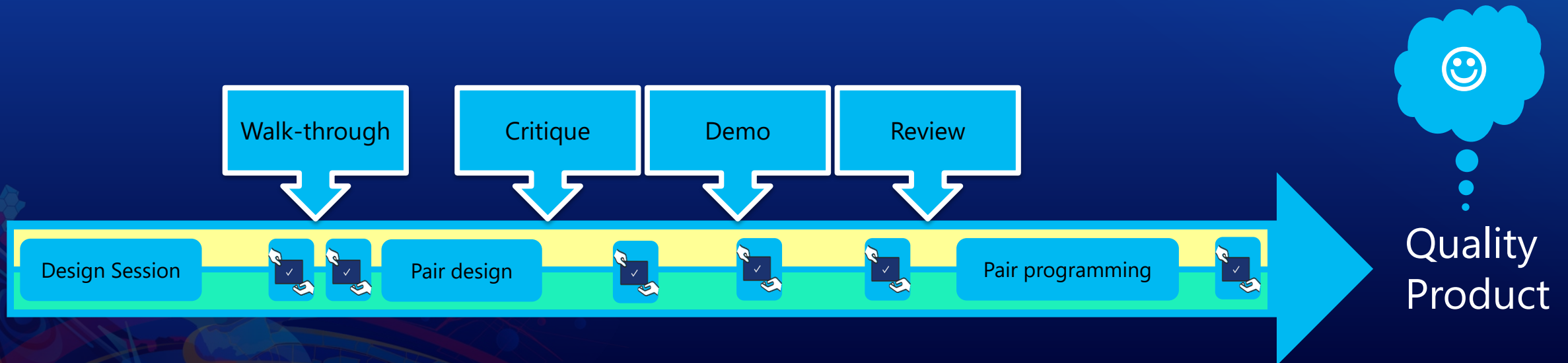
The Process – Approach 2

- “Design upfront”
- Single hand-over doesn't work
- “We are worried about time”




The Process – Approach 3

- “Hot Potato”
- Need continuous involvement...
- ...and multiple design check-points



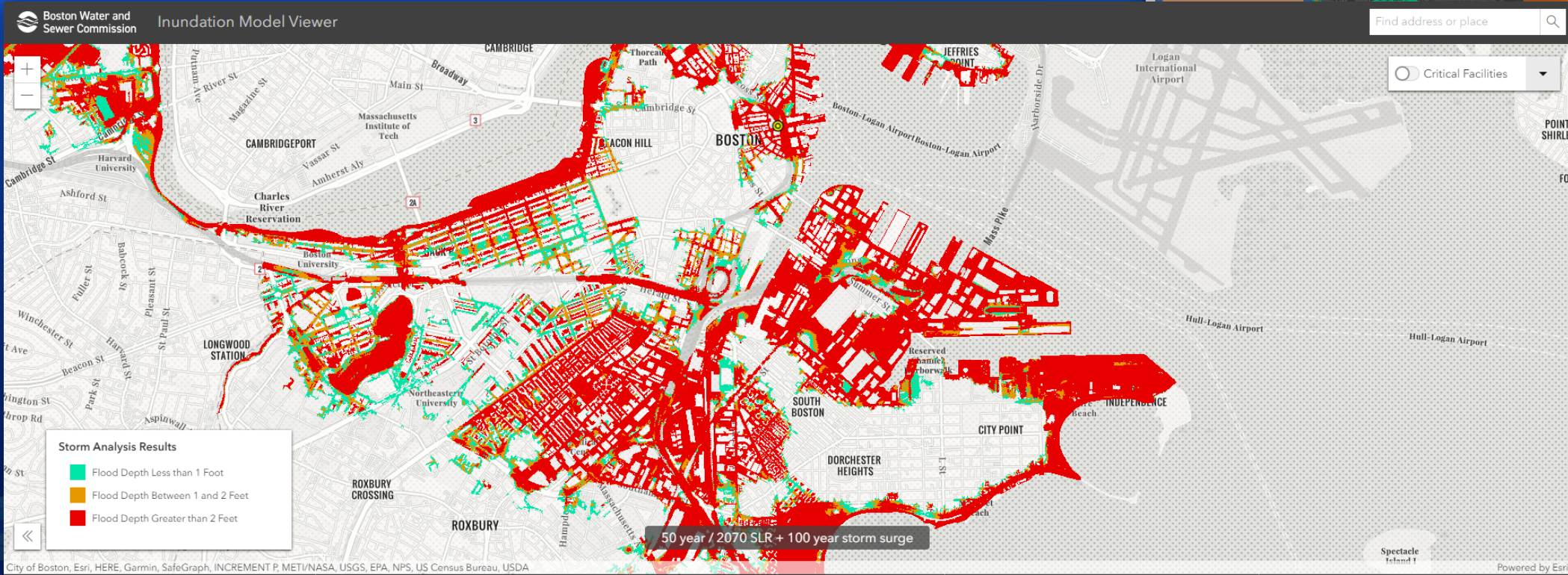
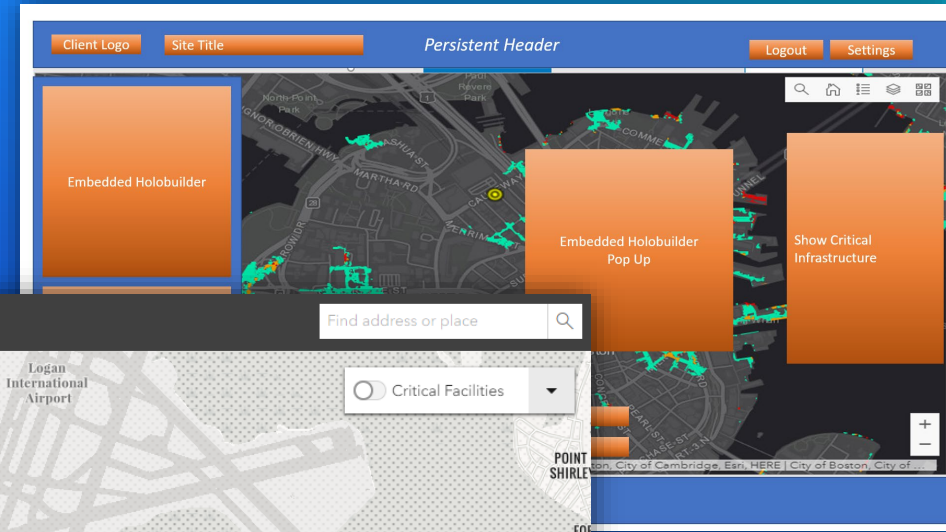
The Process – Pro's

- Understand constraints & limitations early
 - Build the right thing
 - Less risk & cost down the road
 - Artefacts lead to stronger product
 - Less broken windows towards the end
- 

The Process – Con's

- A little clumsy/intimidating at first
 - Takes more time up-front
 - Not everybody can do everything
 - Incremental over innovation
 - Don't become a slave to the process
- ➡ Explain benefits & establish trust
 - ➡ Some churn but leads to higher quality
 - ➡ Close the gaps & expand our roles
 - ➡ UX or PE need to keep track of vision
 - ➡ Quality is still our priority

The Process – Hot Potato worked for us



1 Extreme Weather Event

T-storm

Nor'easter

Tropical

Frontal

2 Amount of Rainfall

5.84 in
10 year

8.46 in
50 year

9.58 in
100 year

3 Sea Level Rise (SLR) and Storm Surge from Baseline Condition

1.29 ft

2030 SLR

No storm surge

6.83 ft

2070 SLR

100 year storm surge

Compare 2030 & 2070

4 360 Tour
Click on Map

5 Impact Forecast

School	Health Facility	Police Department
104	55	11
EMS/Fire Station	MBTA Station	
18	48	



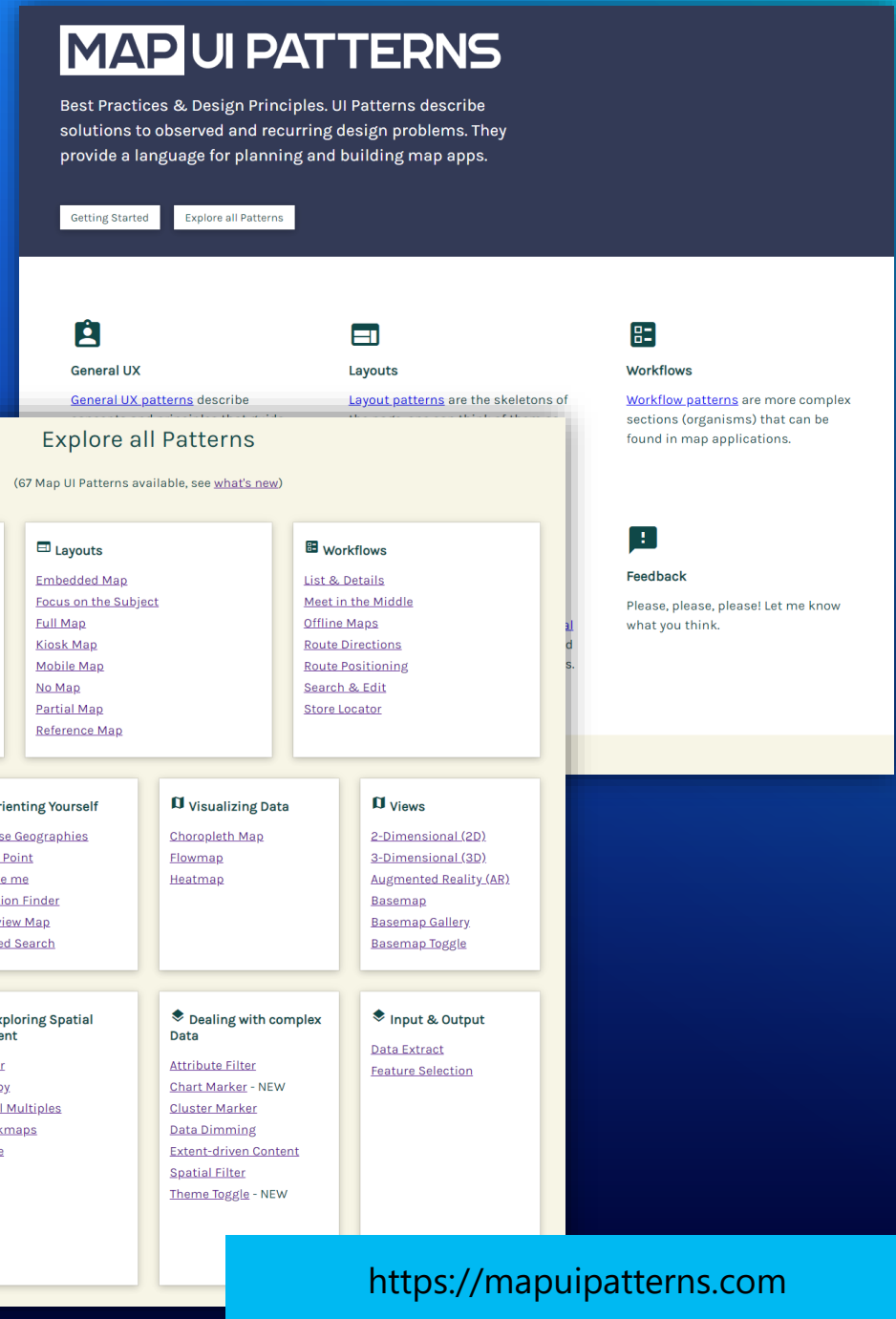
Quality Product

The Language



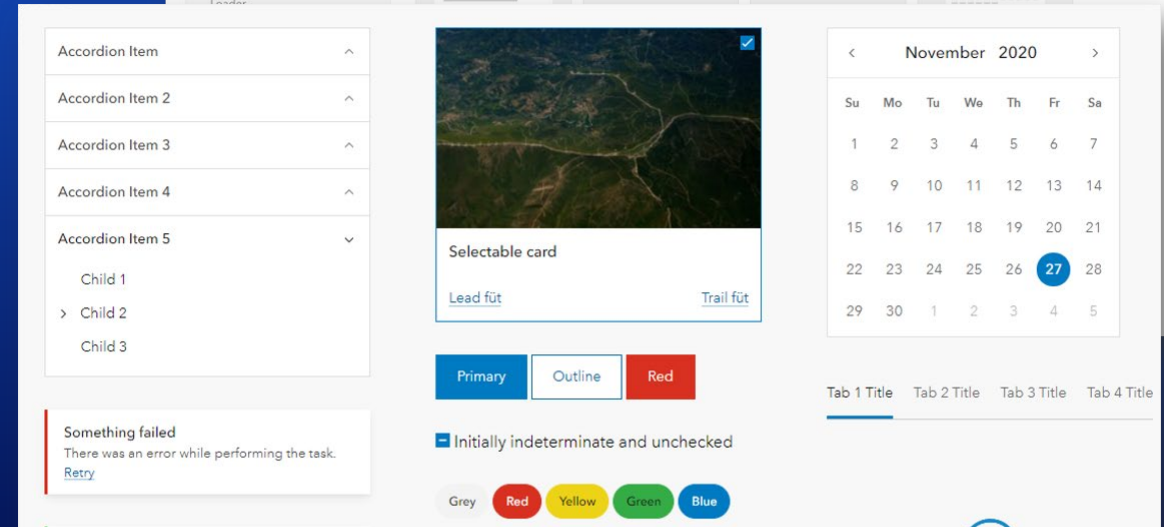
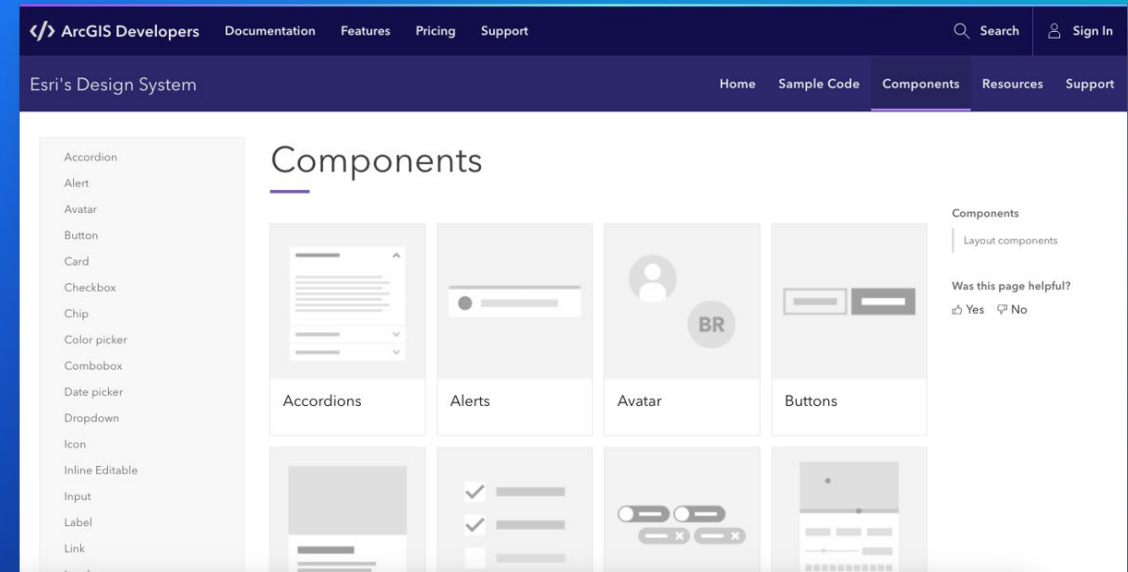
The Language – Terminology

- Speak the same language!
- Let's agree on terminology
- Study Pattern libraries



The Language – Design System

- System of best practices
 - Design & UX
 - Implementation
 - Accessibility
- Speeds up the process
- Get more meaningful work done
 - Drive business value
 - Satisfy customer needs



Technical Sessions

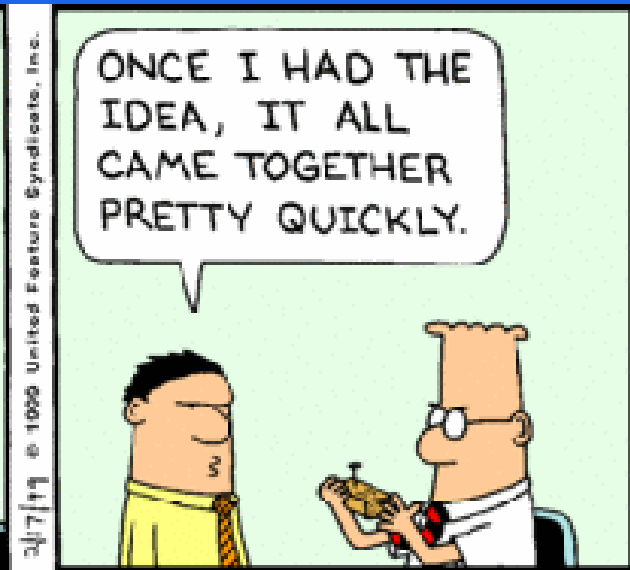
- Build beautiful, consistent web apps faster
- Build compelling Web Apps Faster Using the New Web Component Library
- Designing Applications Faster with UI Kits and Components

Demo Theater

- Building a web app in 30 minutes!

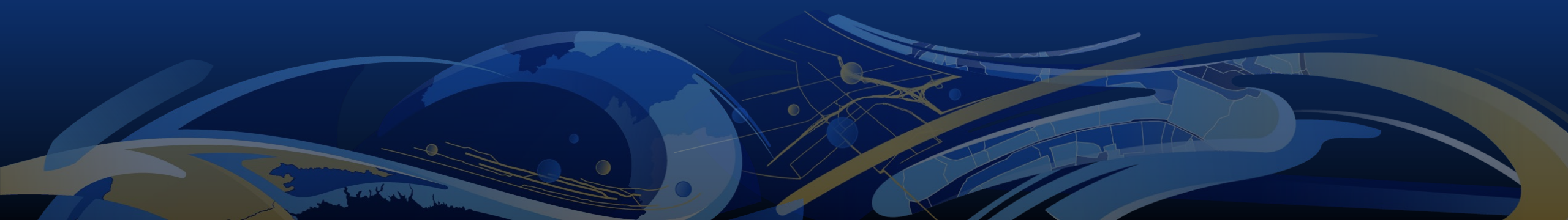
The Language – Tools

- Use the same tools
 - Github, VS Code
 - Balsamiq Cloud, Adobe XD, InvisionApp



scottadams@epi.com
www.dilbert.com

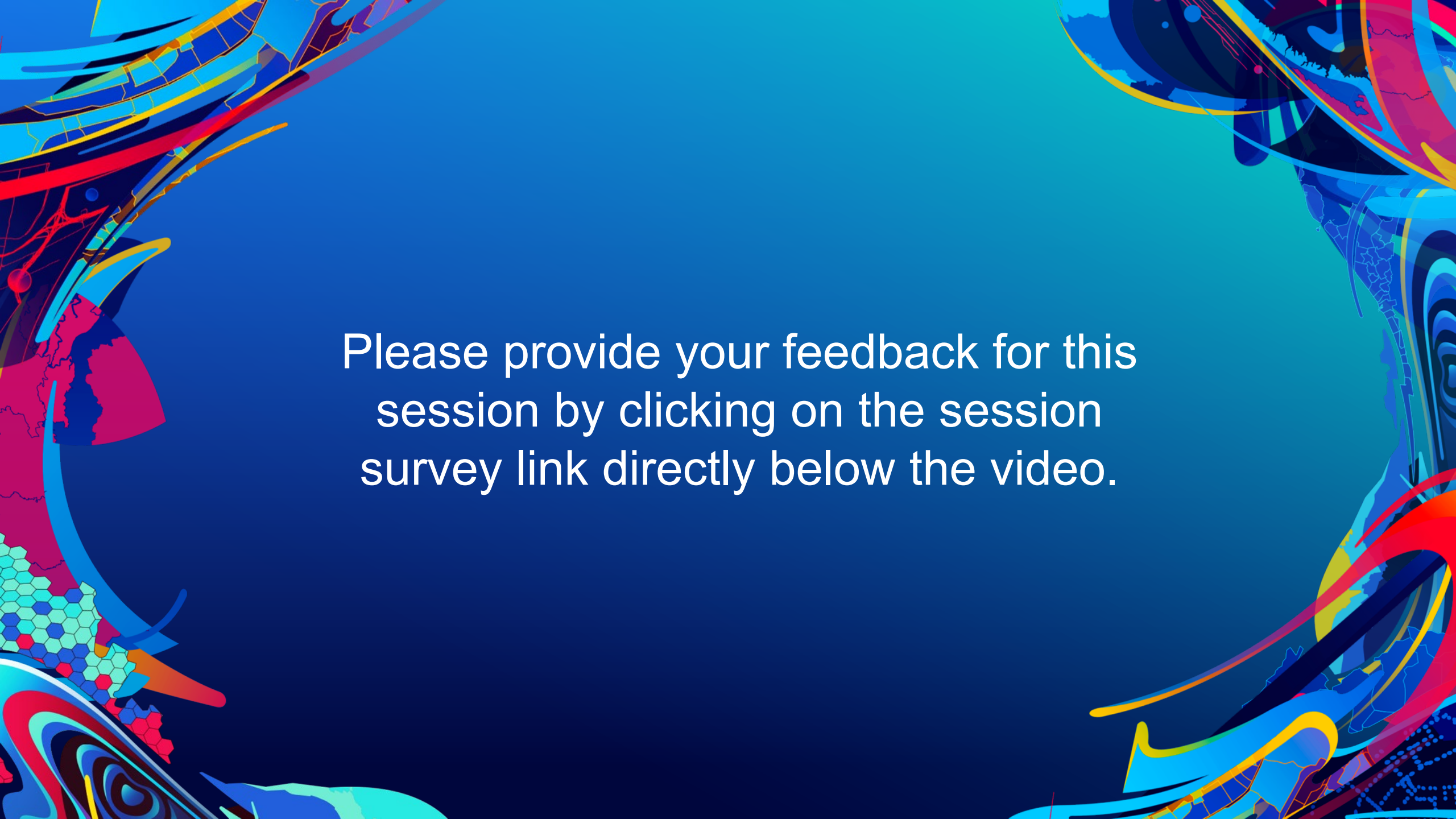
3/7/99 © 1999 United Feature Syndicate, Inc.





esri®

THE
SCIENCE
OF
WHERE®



Please provide your feedback for this session by clicking on the session survey link directly below the video.