18F Path Analyses Outcomes & Process

Overview

1/ Sample past projects
DOS - USKPA Diamonds project
CMS Advanced Planning Document
Modernization

2/ Army ARL PA - What to expect

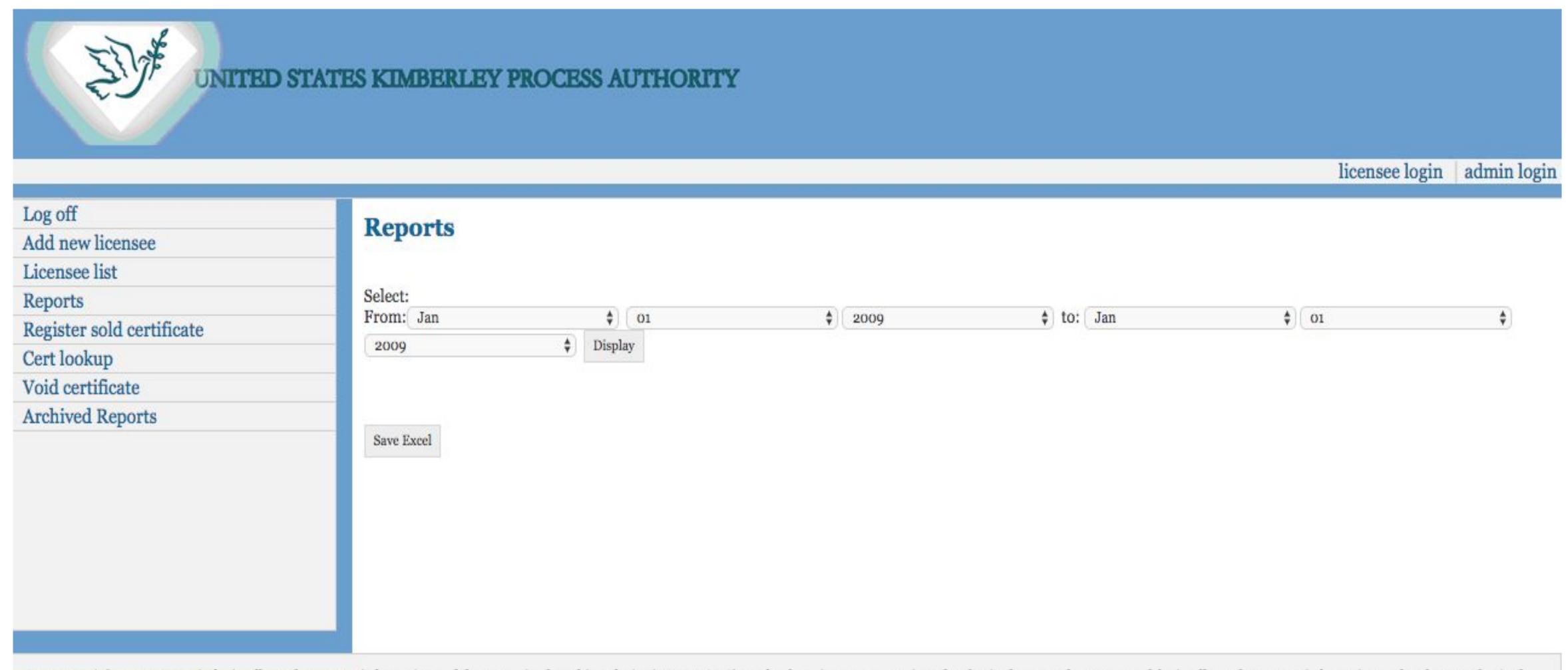
1/ Department of State Diamonds

The Kimberley Process (KP) unites industry, federal agencies and civil societies in reducing the flow of conflict diamonds. State and the US Kimberley Process Authority manage a system that ensures rough diamond exports comply with the KP.

The system had fallen into a state of disrepair and had not received updates in 9 years.

18F worked with State and USKPA to set a vision for the product and implement the most necessary repairs.

Outdated site...



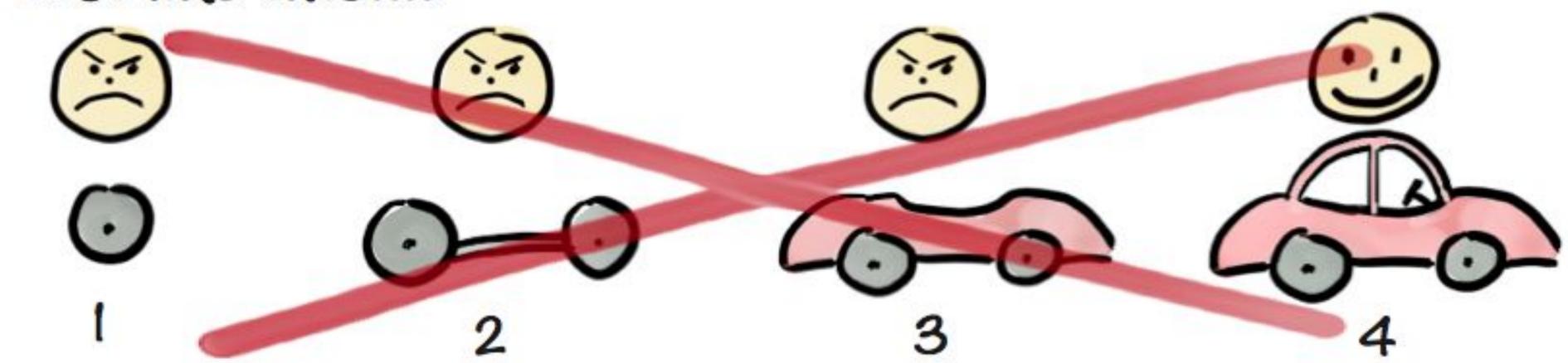
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What's possible? What's the highest value? → What's important? What works? **DISCOVERY OUTPUTS** Vision, goals, RESEARCH **PROTOTYPE** context **FINDINGS ITERATIONS** Insights Validation **PRIORITIES & MVP DIRECTION** Parameters Opportunity areas Experimentation Definition & Prioritization Research Alignment

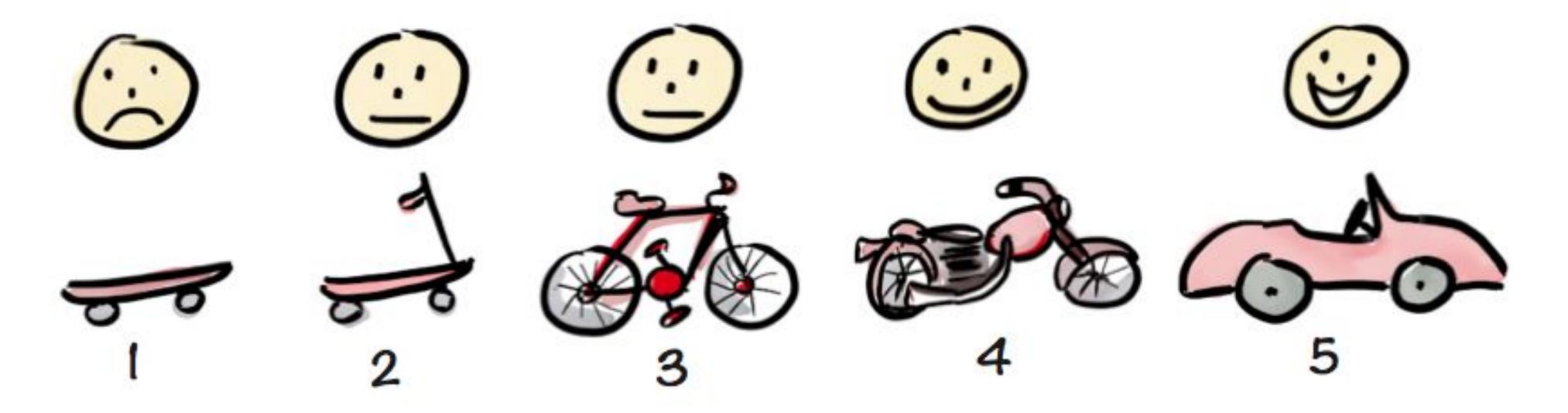
The team constantly improved a usable product, that was used by its target audience the whole time.

Addressing a need, not a feature.

Not like this....



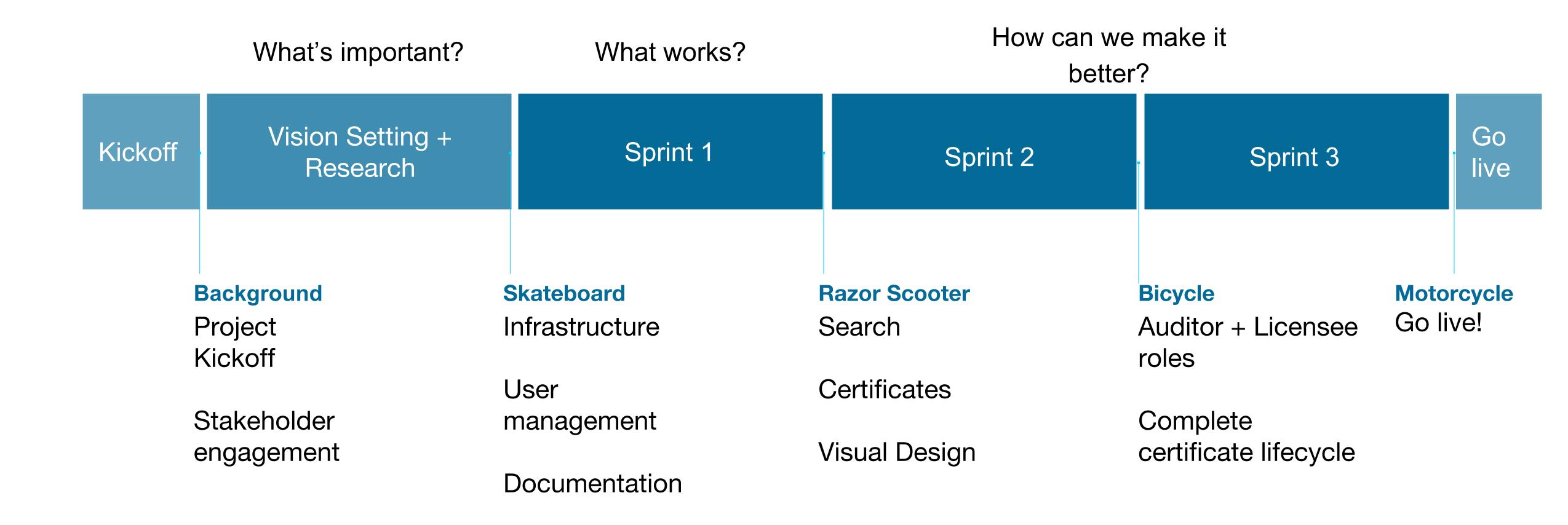
Like this!



18F quickly worked to...

- Create a product strategy
- Ensure highest user needs were met
- Test and iterate in increments using open source and modern development practices
- Share our work and progress every two weeks
- Address data integrity, security, infrastructure issues

Timeline and approach



REDESIGNED SITE

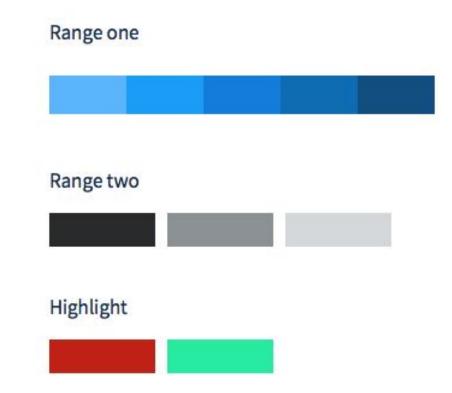


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Secure, official, trustworthy, current, authority





Become A Licensee About Us



About Us

The United States Kimberley Process Authority (USKPA) is a not-for-profit trade association

in the United States formed for the purpose of administering and o U.S. Kimberley Process certificates for the export of rough diam

The USKPA is governed by a Board of Directors and is located in

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Clean Diamond Trade Act

The law regulating exports of rough diamonds from the US, creating a system for the trade of rough diamonds consistent with the standards set by the Kimberley Process Certification Scheme.

Kimberley Process Certification Scheme (KPCS)

The goal of the KPCS is to restrict the trade of rough diamonds known as "conflict diamonds."

Conflict Diam

Conflict diamon used by rebel m finance conflict legitimate gove



The United States Kimberley Process Authority (USKPA) is a not-for-profit trade association in the United States formed for the purpose of administering and controlling the usage of U.S. Kimberley Process certificates for the export of rough diamonds from the U.S.

→) Login

USKPA.org

Authority

The United States

Kimberley Process

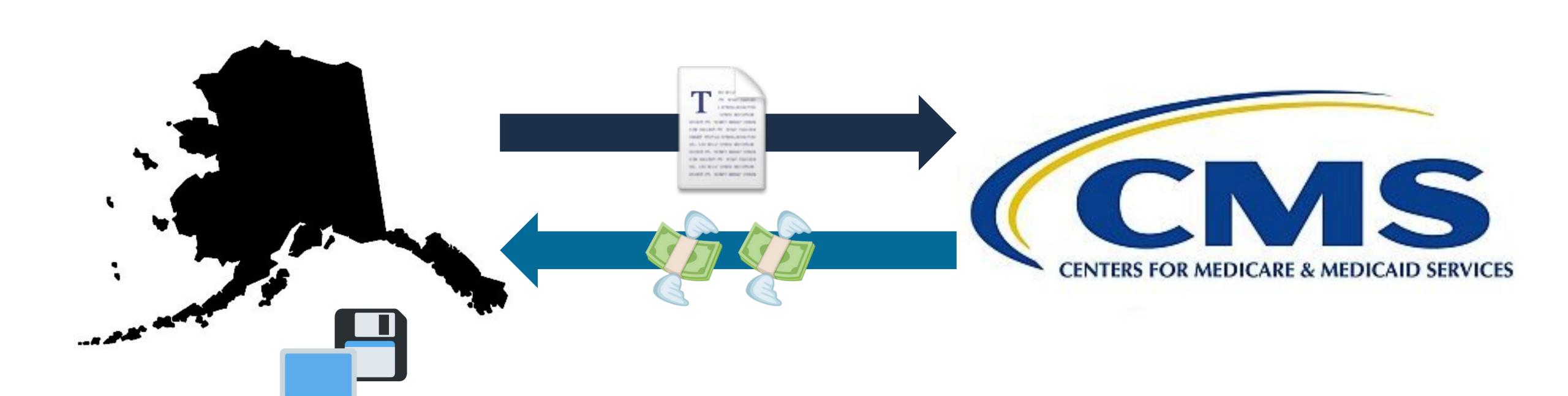
Authorized by the U.S. government to provide US Kimberley Process certificates

to licensed entities for use in exporting

rough diamonds from the U.S.

1/ CMS Advanced Planning Document Modernization

Medicaid programs are federally funded and implemented at the state level. So are the IT systems that drive these programs. The funding process is mediated through APDs (Advanced Planning Documents).



This process is a huge pain

- States have multiple APDs/year
- It's slow; states plan for ~6 months
- They email docs back and forth
- Numbers are checked manually

THE PROBLEM: HOW FUNDING REQUESTS ARE MANAGED

Often 100+ pages, with dozens of pages of accounting that has to be checked by hand.

Health Information Technology Implementation Advanced Planning Document (HIT IAPD) Template

OMB Approval Number: 0938-1088

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THE VISION

A single portal for State, Federal, and associated partners to request, review, and respond to submissions from the State.

Vision

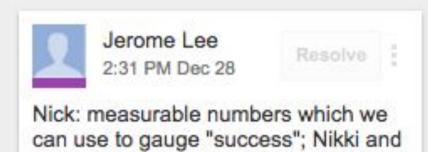
The system will serve as a singular portal for State/Federal/associated partners to request, review, and respond to submissions from the State. This project will make the APD process faster and more consistent, help CMS better track and improve internal APD processes, and ultimately help states do great IT work and fulfill their program goals.

6 month mission

- show enough to get more funding, continue the work
- create something that is useful for states
 - improve the way they submit APDs to CMS
- create something useful for feds
 - improve the way that analysts review APDs
 - improve the way that analysts comment on APDs
 - improve the way that analysts track APDs

Goals

#	pri	goal	measure(s)		
1	1	System complies with federal and CMS standards	 # of WCAG passes/failures # of violations of Standards and Conditions 		
2	1	APD submissions are administratively complete	% completeness of submissions regarding regulatory components required for HITECH / (histogram or average completeness)		
3	1	Supporting documents, procurements, and APDs can be viewed together	 usability test findings abandon rate dwell time on individu 		
4	1	The scope of the proposed project is clear, and analysts can determine whether or not it fits within the scope of HITECH	usability test findings # of review cycles to approval		
5	1	CMS analysts can provide feedback on submissions and ask for additional information			



Outcomes, not requirements



NAretakis commented 23 days ago

Member



Use cases have been shared with CMS APD team. Expecting to have consolidated feedback by 3/22/18



NAretakis commented 15 days ago





@lauraponce @quarterback Use-Cases and their basic flows have been updated. Low priority pass to you to make sure these make sense and will be useful.



NAretakis assigned quarterback and lauraponce 15 days ago



lauraponce commented 15 days ago

Member





Just read through the use cases and this all looks great. It's so helpful to have this outlined.



quarterback commented 14 days ago

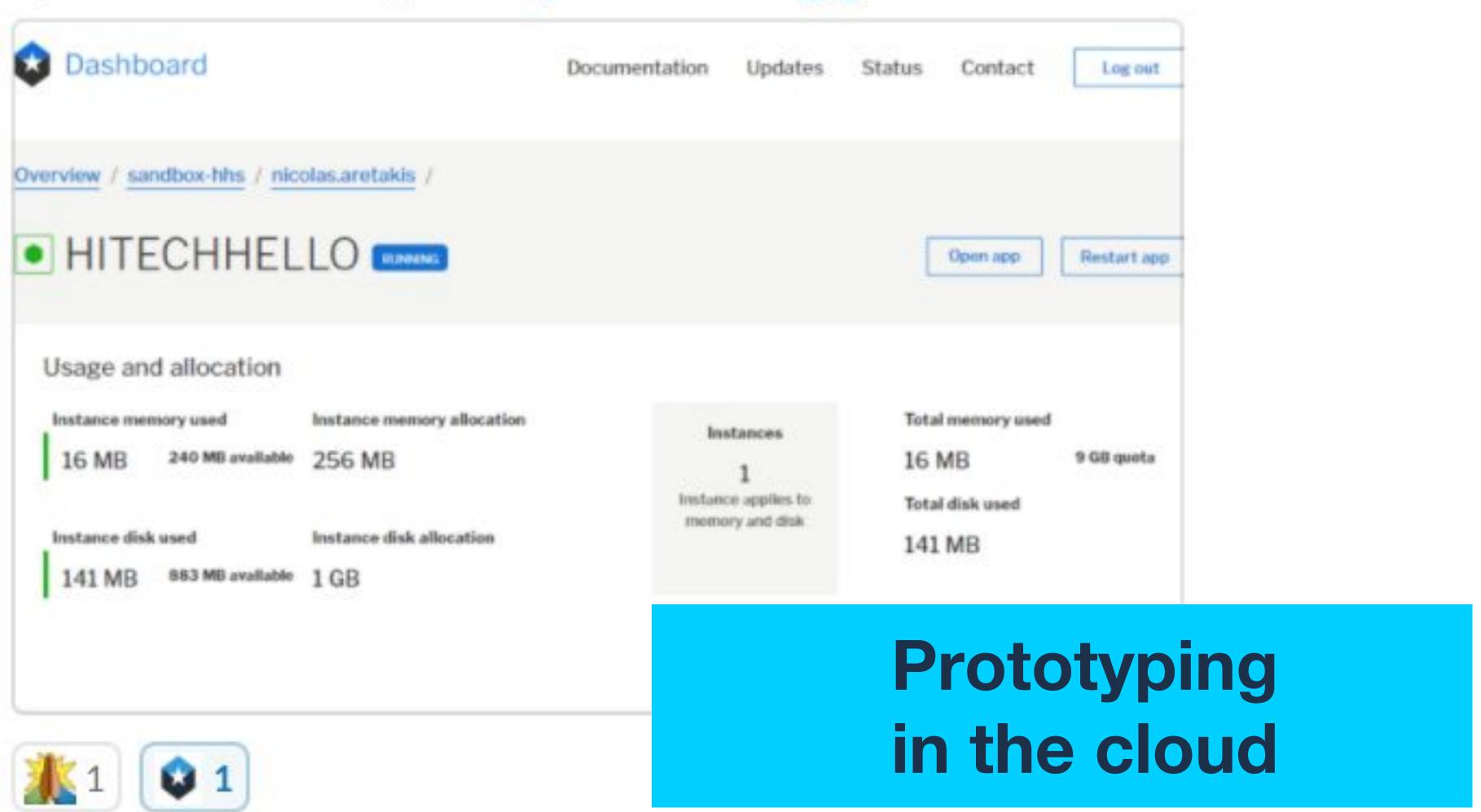
@NAretakis This is very helpful!

Client = partner



Nicolas Aretakis 10:49 AM

uploaded this image: Oh yeah! Feeling good:



1

Aretakis, Nicolas J. (CMS/CMCHO) < Nicolas. Aretakis 1@cms. hhs.gov>

to CMS-testers, laura.ponce, Nikki, me, Jerome 🖃

Greetings State Testers,

We are continuing our efforts to improve the HITECH APD process and improve our early prototypes based on stakeholder feedback. We will be attending the Health IT Connecting conference in Baltimore next week and would like to connect with any state staff who might also be attending. If you are not attending, dor worry, we'll have more opportunities to do virtual testing in the near future.

We have identified some possible workshop sessions where we'd like to get feedback on current designs and continue to refine and improve based on your feedback. Please fill out this Google Form with your availability, or reply back to me and we will reach out with more info on the space/room we have available.

- 4/5 Thursday 11:50-12:30 ET
- 4/5 Thursday 2:45-3:45 ET
- 4/6 Friday 8:45-9:45 ET
- 4/6 Friday 11:00-11:30 ET

We really appreciate your time. Feel free to reach out if you have any additional questions!

Thanks in advance,

Nick Aretakis

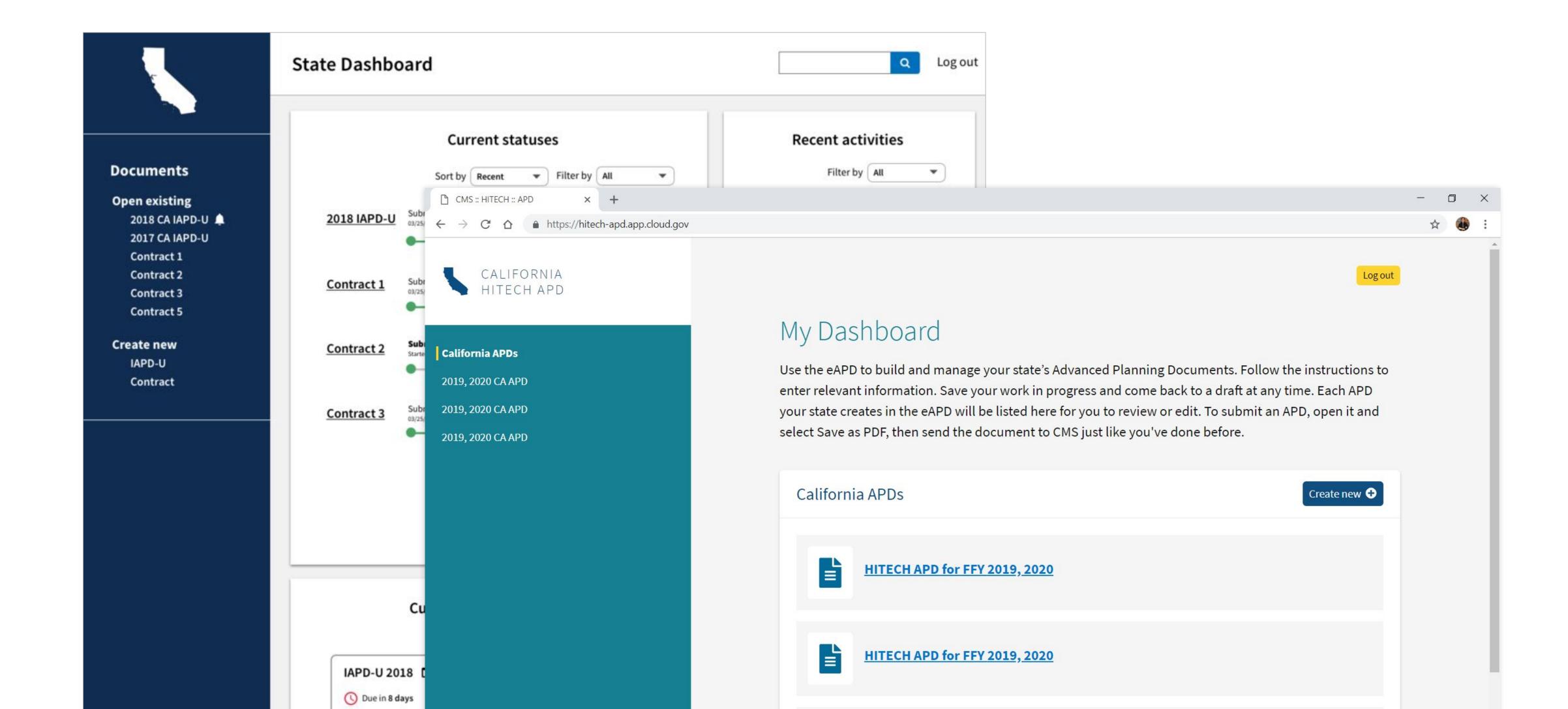
Health Insurance Specialist Centers for Medicare & Medicaid Services

2: 303.844.7117 ⋈: Nicolas.Aretakis@cms.hhs.gov

Involving users early

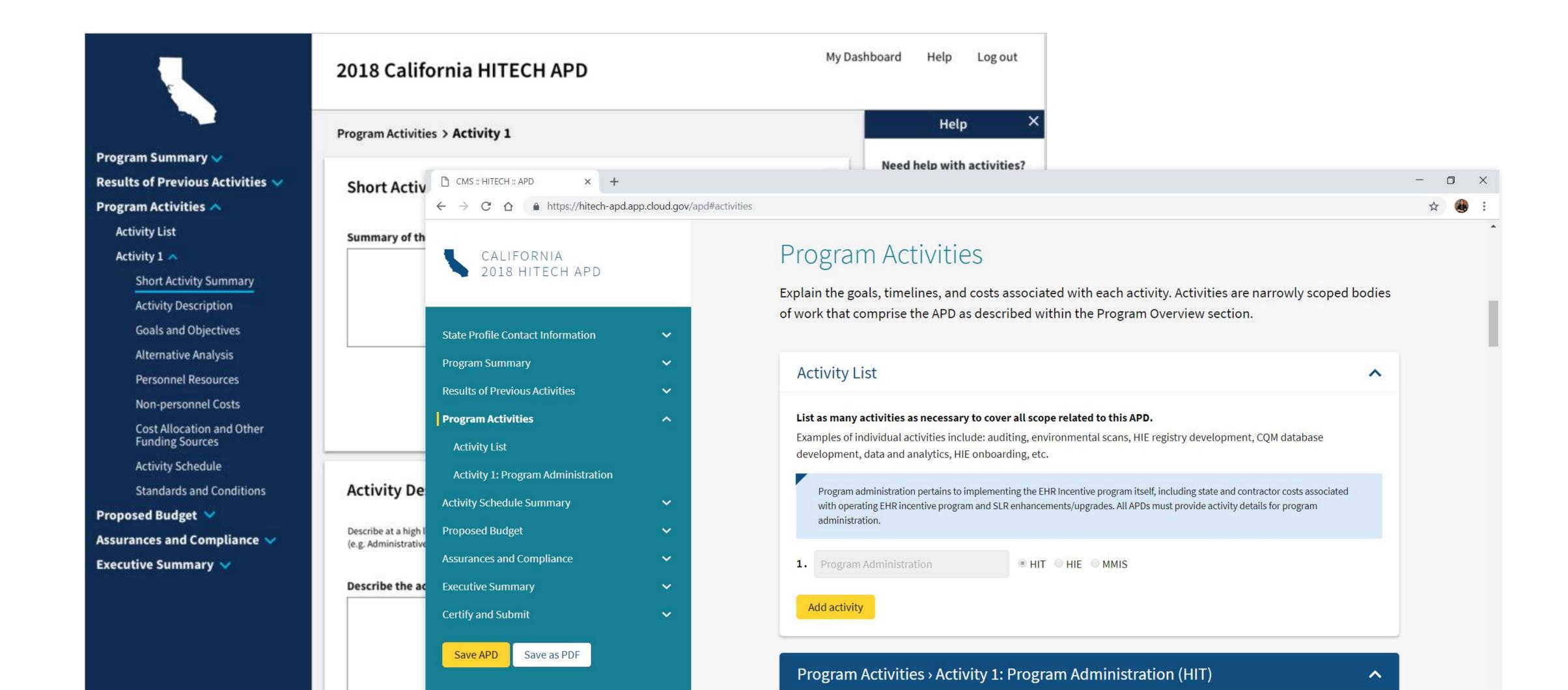
THE PRODUCT

States can track all of their APDs in one place



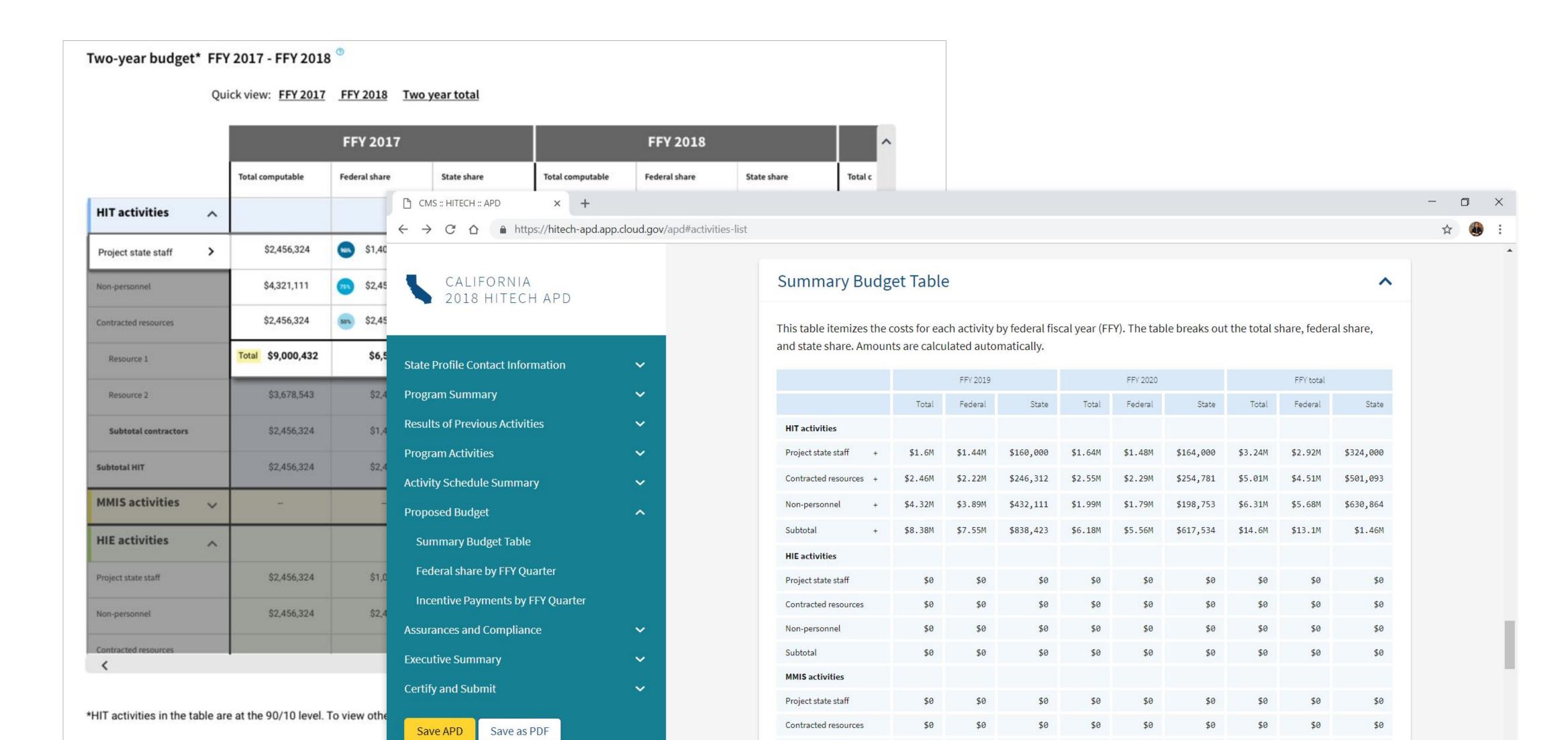
THE PRODUCT

Submissions are the same from state to state



THE PRODUCT

Budgets are generated programmatically



Sites we've launched

https://www.everykidinapark.gov/

https://www.fec.gov/

https://www.uskpa.org/

https://www.usaspending.gov/#/

https://openforest.fs.usda.gov/christmas-trees/forests

Many more examples of past work

https://18f.gsa.gov/what-we-deliver/

2/ Army ARL PA: What to expect

18F Foundational ideas



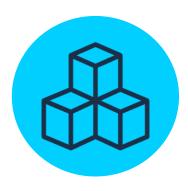
Agile development supports these approaches and builds software with less risk



DevSecOps helps us build robust solutions that we can constantly test — and update



Product thinking keeps us constantly moving toward the right outcomes



Agile contracting lets us make sure that we're working collaboratively with the right vendors



User-centered design helps us understand where to go and why

Rough Timeline

Week 1-2	Weeks 3-4	Weeks 5-6	Weeks 7-8
 Kickoff Plan research Conduct initial research 	 Conduct more research Discuss initial findings Revise problem focus if needed Mid-project check-in 	 Finish research Analyze and discuss findings Incorporate team feedback Develop, discuss, prioritize recommendations 	 Incorporate team feedback Final presentation



We are here.

Sprint ceremonies

How we stay in touch and communicate with the team and stakeholders during a sprint

Here's an example of a two-week sprint schedule (typical in development; we can condense it to one week)...

	Monday	Tuesday	Wednesday	Thursday	Friday
	Sprint 0 review	Sprint 1 planning	Daily standup	Daily standup	Daily standup
Sprint 1	Sprint 0 retro				
	Daily standup	Daily standup	Daily standup	Daily standup	Daily standup
				Sprint 2 grooming	
Sprint 2	Sprint 1 review	Sprint 2 planning	Daily standup	Daily standup	Daily standup
	Sprint 1 retro				
	Daily standup	Daily standup	Daily standup	Daily standup	Daily standup
				Sprint 3 grooming	

Sprint planning

Purpose

Review previous and outstanding tasks; negotiate a sprint to-do list

What happens

Team prepares by bringing sprint goal and task ideas; team asks questions to understand priorities; team negotiates a sprint to-do list

Duration

~One hour for a one-week sprint

Outputs

Sprint goal; sprint to-do list

Daily standup

Purpose

Surface and remove obstacles

What happens

Each team member answers the questions:

- What did you do yesterday?
- What will you do today?
- Are there any obstacles in the way?

Duration

Not more than 15 minutes daily

Outputs

List of obstacles to remove; potential list of more in-depth conversations to have

Sprint review or "Weekly check-in"

Purpose

Showcase completed work to stakeholders, build buy-in

What happens

Team demonstrates completed work to stakeholders and users

Duration

~1 hour

Outputs

Actionable feedback from stakeholders and users

Sprint retrospective

Purpose

Team reflects and can adjust practices as needed

What happens

Team reflects on what worked during the sprint (from a process perspective), and what could be improved

Duration

~1 hour

Outputs

Process experiments to try

Thank you

Contact andrew.dunkman@gsa.gov, kathryn.connolly@gsa.gov, eleni.gesch-karamanlidis@gsa.gov

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