PART 1

Users [of process + product] we know of so far

Researchers	Approval release process	Administrators	ARL Employees	External collaborators (Public)			Computer
ARL post-doc researchers	Security	Jin	Joint ARL/contractors	Academia	Defense agencies	Other DoE Labs	
ARL researcher managers	IP Lawyers	Non-technical support staff	Joint ARL/other gvt agencies	Contractors	DoD labs	Oakridge Lab	
ARL civilian researchers	Legal people		STEM	Other government orgs	Labs	Universities	
	Managers or supevisors		Joint ARL/Academia	International	DoE		

Assumptions:
– ARL users mirror users from other labs
– Research goal for ARL is the scope

Users we think experience the most pain

IP Lawyers	First line supervisors	Security/ OPSEC personnel	Researchers		
Hard to fit work into overall picture	May not know if code should be open source	Don't know if they're concerned	Pain: Slow	Pain: Manually intensive	Pain: hard to share their work
			Grant cycles/ constraints cause slowness	Don't know where they're at in the process	
			OSS Policy causes slowness		

PART 2

Weekly activities and reasons

Selected user: Researcher

Code	Do admin work (10-15% of time)	Share research with visitors	Share research with collaborators	Ask for funding from managers	Package research for technical audiences	Publish technical reports to ARL	Publish research to peer-reviewed outlets	Make something in the lab	Conduct unclassified research	Publish research to program offices	Write proposals	Write SOW	Write status reports	Get legal approval for OSS	Get supervisor approval for OSS	Work with IP team for OSS work
Create test environments	Fulfill mandatory training	Internal and external marketing	Learn from others	Respond to supervisor's request	Show the work they did	Share 6.1 knowledge within ARL *not the best way*	Share 6.1 knowledge	Develop thing to test	Create baseline understanding	Share 6.2 knowledge + something	Document your ideas	So funder can keep track of their work	So funder can keep track of their work	Avoid violating Army rules + jail	Get their advice on whether to release	This doesn't seem important
Gather data	Document travel	Promote collab	Identify potential recruitment opps	Connect to different funding vehicles	Satisfy proposal requirements						Get funding to start research					
Test feasibility	Document prof dev	Strengthen C-O-P	Promote cooperative research													
Test performance of features		Attract potential funders	Sharing knowledge from academic, international													

PART 3

Obstacles and experiences

Selected activity: Share research

Dejected, frustrated	Promote cooperative research	Isn't aware of previous code and re-writes it	Forms are manually intensive	Sharing knowledge from academic, international	Share research with collaborators	Following DoD regs takes a lot of effort and time	Forms to approve sharing with indiv or group

PART 4

Problem statement

A **researcher** who **feels frustrated** about **sharing knowledge with non-DoD groups** needs to **share research with collaborators** but faces **a lot of effort and time to follow the DoD guidance and instructions.**