Sample A3 Proposal

Freezer Monitoring A3

tle: Campus Freezer Monitoring Spa am: Dean Shehu, UCSF Lockshop, UCSF IT, Lab Managers S	onsor: Facilities Services teering Committee.	Owner: Adam Schnirel	Coach: Trish Hackemack	Revision: Last update:
. Background: What problem are you talking about a The current freezer monitoring application that Facilities services offers visibility to the freezer owner. It's important to address this issue at this moment in time due to the u The system that Facilities Service (FS) currently offers works in collabor Only 40% of labs are currently monitoring their freezers through a rem freezers are not being monitored. Millions of dollars of research and years of research is being stored in t cost effective, or convenient to implement and maintain a system that Freezers contain valuable research & often samples in these freezers an Improving access to freezer monitoring will help reduce potential loss. A recent risk claim for a failed freezer estimated \$50,000 worth of sam	is costly, has a long lead time and is managed with meliability of our electric infrastructure in San Fra- ation with UCPD and has existed for over 10 years the monitoring system. This is an issue because 60 mese freezers. FS and the University have not made works for labs. e not replicable.	hout The countermeasures are as follow • Assemble a committ Lab managers, IT, etc • Continue to test pilot % of • These countermeasu le it easy,	ee to develop a system that meets the needs of campus w	il Feb, 2020.
Current Conditions: Where do things stand now? Inconsistent monitoring. Out of 1,100 -80°C freezers, 60% don't have monitoring device installed. In some instances, labs object to the amou	nt of	o WHAT: Requiremen	outcomes, timelines, and roles. ts for a system need to be solidified by stakeholders. Once	
 upfront and annual fees required for a system. Incompatibility. Some systems aren't compatible with UCSF's WiFi infr. As a result, many labs have purchased and returned incompatible syste Ineffectiveness. About 15% of labs that have installed temperature promonitored by UCPD (Manitou system), whereby the first alert goes to t Police Department, who then contact the individual(s) listed as respons freezer emergencies. 	istructure. ms. bes he UC ible for	Consign (15) decide about the im Seman(201) seman(201) (13) seman(201) o WHO: A Lab Service Senar Vue (5) service provider suc Senar Vue (5) o WHO: A Lab Service Service provider suc Service provider suc Service provider suc Service provider suc o WHER: Formulate c	eloped, followed by the selection of a vendor. After the ve plementation and roll out will be managed and sustained. management, software management, IT support, etc. s team committee and coordinator will assist with the abo h as unity labs. y Campus will roll out first. ommittee and agree on scope by December 15 th . Select lai tics plan for roll out by March 2020. Roll out to campus by	This process incudes installation, ongoing ove tasks. We will also contract with a lab b service provider by Jan 1 st . Build RFP by Feb
 55 out of 88 participants interviewed for the SOP pilot indicated th would be interested in testing a freezer monitoring sensor and sof Move to current condition. Problem Statement: n FY2019, 60% of ULT freezers at UCSF did not have temperature monitorin results in a high risk of sample loss wich is a due to inappropriate temperat fresearch samples iperodizes the instatutional reputaion, cost potentially 	g. This res. A loss		s in coordination with SCM and the Lab Services Committe	

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3. Target Conditions (Goals): What specific outcomes is desired?

- Target: 100% of labs are provided the option of monitoring their freezers at a low cost by June FY2010.
- All lab freezers are on a central software system with reliable hardware and the system is managed by lab users. Criteria for the
 system/hardware includes ease to install, low cost, monitoring for freezer temperature, sensor tech support, and UCSF IT compatible.

4. Gap Analysis: Why does the problem exist?

dollars, and sets reseach back years.

- The root cause of the problem is that lab assets are individually managed at UCSF.
- The UCSF current monitoring system also is outdated and is not dynamic in its ability to provide freezer data, real time temperature information, or automated alerts.
- o Barriers to success are as follows: IT support, behavior change and acceptance with the recommended product,

Study, Reflect, Plan Next Steps: How will you assure ongoing PDSA?

Commit to regular reviews to study the progress of implementation and make necessary adjustments.

- The target goal of this project is for the University to be able to offer every lab a subsidized freezer monitoring system.
- Once a system is selected, a clear communication campaign to campus will help inform lab researchers of the new system and opportunities to participate.
- During the monitoring rollout, we will track the number of lab users adopting the application.
- We will track user satisfaction through a Qualtrics survey and follow up interactions to ensure issues or modifications are being addressed.
- The Lab Services coordinator & external provider will help monitor and track the ongoing success and feedback.
 - UCSF