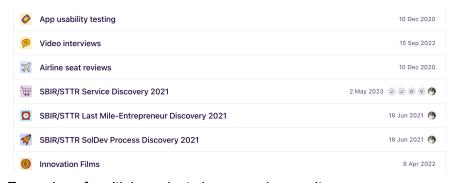


Research Kickoff Board of circular stakeholder mappings and Research question-method-stakeholder matrix



Examples of multiple projects in research repository



Please use our <u>SD folder</u> which houses the research, background info, meetings, and more, as well as our <u>team board</u> to track our progress. You can also check our <u>research repository</u>, <u>Wilki</u>, and <u>Miro workspace</u> for current insights. Let us know if you need permissions. You can see some of the <u>Patterns</u>, <u>Themes</u>, and <u>Insights we've found so far in this document</u>.

Last week we:

- Planned out the next two weeks for the interns
- Updated <u>analysis</u> of <u>organizational core competencies survey</u> to include sensitivity inputs
- Started SB synthesis with Rutgers team

Example "Weekly Ship" 1-pager

Voice of the Customer

Introducing Characters to Better Understand Our Customers

Findings Report | June 2023

Voice of the Employee

Introducing Characters to Better Understand Our Employees

Findings Report | June 2023

Service Insights

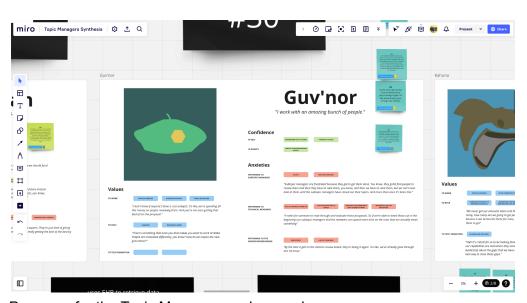
A Report on the Health of the X SBIR/STTR Service

Findings Report | June 2023

Cover of VoC publication

Cover of VoE publication

Cover of SI publication



Personas for the Topic Manager employee role



Belgian Malanois

NPM that prefers certainty and stability when it comes to investment.

Qualities: Uncertain, motivated, self-initiative, critical, maintains high expectations

Motivations

- Desire to stimulate market growth through technology commercialization
- Firms that have created expectations for themselves so that PMs are certain of what they are investing in

Anxieties

- Sourcing funds for projects
- Finding a project that they want to push for but does not have any funds to allocate towards the project
- Lack of certainty about the future of projects that they may want to push forward

Funding Progress Events

 While looking through proposals that have been submitted in their subtopics, they receive a proposal that matches what they are looking for.

Funding Progress Situation

 PM looks at a proposal of an SBIR/STTR funded technology that matches their goals/needs for the project, and is also something that fits in their current budget. Decision remains on the PM about whether or not they want to push through for funding with the project.

Example character (instead of persona) from the X Program Manager investor role

Introducing Characters to Better Understand Our Customers
Findings Report November 2022
PROJECT TEAM
THANK YOU
Executive Summary
Research Synopsis
Introduction
Methodology and Methods
Small Businesses
Characters & Personas
Journey Maps
Themes
Theme 1
Patterns
Insights
Opportunities
Research Institutions
Characters
Journey Maps
Themes
Funding
Growth

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Any Level of SB_CX

= 0.05*Hubzone_CX + 0.10*VOSB_CX + 0.05*SDVOSB_CX + 0.20*WOSB_CX + 0.05*BOSB_CX + 0.05*LOSB_CX + 0.05*IOSB_CX + 0.05*AAPIOSB_CX

Experience & Equity Metrics Equations

VOSB - Veteran-owned SB

SDVOSB - Service-disabled-veteran-owned SB

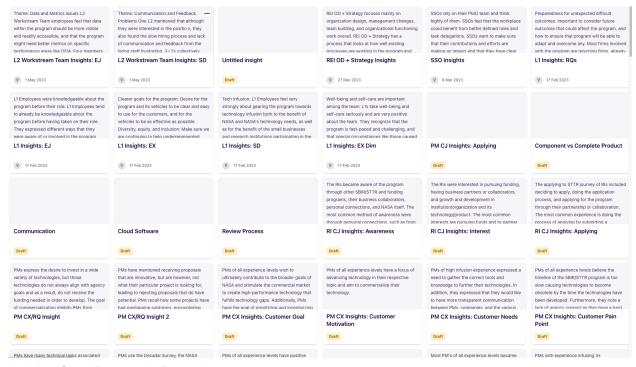
WOSB - Woman-owned SB

BOSB - Black-owned SB

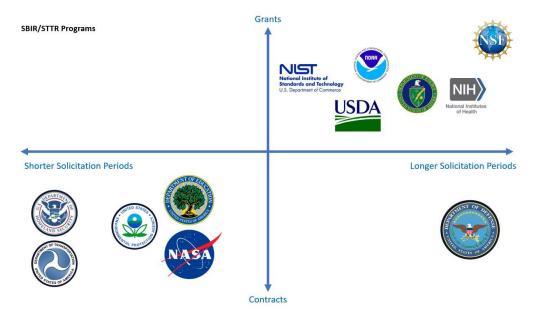
LOSB - Latinx-owned SB

IOSB - Indigenous-owne SB

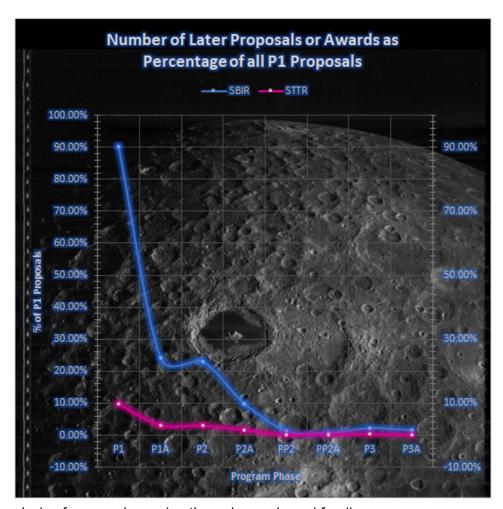
AAPIOSB - Asian American, Pacific Islander, Alaska Native, Native Hawaiian-owned SB



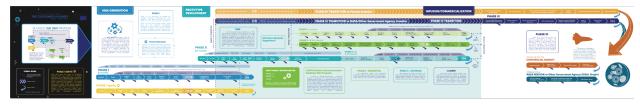
Insights from Research Repository



One of many white space analyses of various SBIR/STTR programs



Pipeline analysis of proposals moving through our phased funding



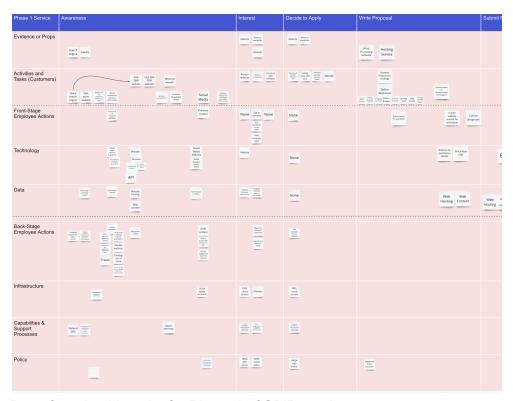
SB Journey Map



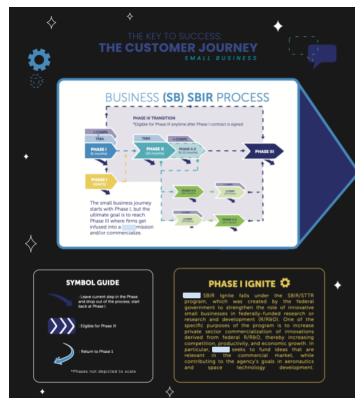
RI Journey Map



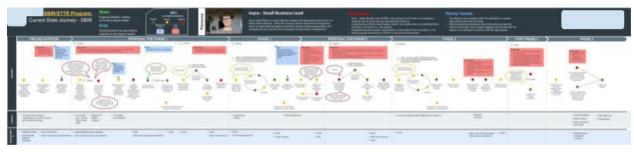
Employee Journey Map



Part of service blueprint for Phase 1 of SBIR service



Zoom-in of simplified SB Journey Map (the left part of the full SB journey map above)



Example SB Experience Map

Moon Shot – Existential Threat



since WWI, is threatened and we risk losing our global leadership

Technical experiments; and, Development and utilization of



2 of many future scenarios

Earth Shot – Existential Threat



Today is April 22, 2030 - EARTH DAY - Environmental instability is occurring at critical levels with impacts exceeding predicted levels.

- U.S. Impacts:

 Sea level rose more than 7 inches higher with coastal area land loss and wetland destruction.

 Annual average temperature for the contiguous U.S. is 2.9 degrees F hotter making the previously hottest recorded years of the 2010s feel average and
- setting the course for irreparable damage.

 Spring rains in the Midwest and Northeast are up an average of 10-20% depending on the state and down by 30% in the Southwest;
- Preparations have begun for a record Hurricane season with rapidly forming, high-intensity storms expected dump 15% more rain than storms in the previous century.



2 of many more future scenarios



Forecast: Cortana-like AI tool that takes on the burden of digital file management and program education

This Cortana-like AI tool would be accessed by potential/current applicants through a wide online portal (in this Future, different programs/departments will be more unified).

Applicants would have to make a username and password, fill out personal information including contact information and their institution/business, their past history with and SBIR/STTR. They would also have to submit a facial scan and thumbprint/fingerprint (with your smart device) to take part in the application process. After submitting your information, you'll be greeted by the Cortana-like Al through your smart device using augmented reality.

Another future scenario

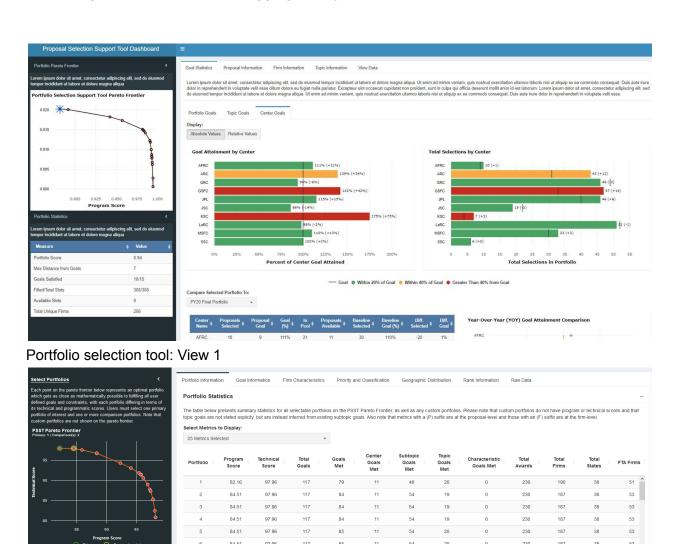


Landing page with 3 scores visible to users - CX, EX, and SI



Top Figure: CX/EX/SI Dashboard

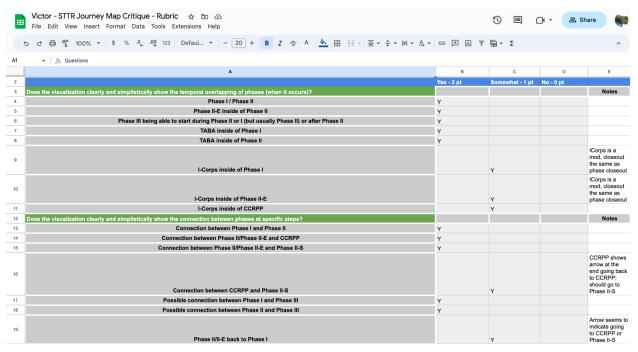
Bottom Figure: CX Dashboard Disaggregated by Customer



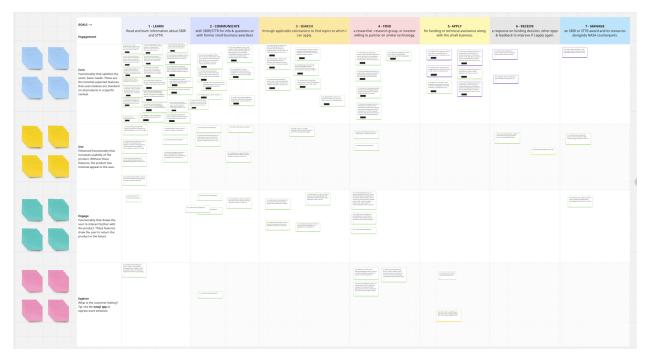
Portfolio selection tool: View 2



Security Check Dashboard



Example Design Critique Rubric



Product prioritization board of SB user stories for new product resulting from service research, using Systemico method

Menu

```
Acquisitions Education
      Workshop 0: Innovation Mindsets
      Workshop 1: Discover the Need
      Workshop 2: Define the Product Vision & Strategy
      Workshop 3: Choose the Best Method to Get What You Want
       Workshop 4: Write Better RFPs
      Workshop 5: Manage Agile Contracts Well
      Workshop 5: Design Prize Competition Bootcamp
      Workshop 6: Manage Prize Competition
Custom Education Solutions
      Educational Discovery - 4 weeks
       Educational Discovery - 6 weeks
Educational Products
   Acquisitions
      Acq 100: Introduction to Open Innovation
       Acq 110: Write Better RFPs for Digital Acquisitions
      Acq 115: Managing Contracts with an Agile Vendor
   Communications
      Com 101: Present with Confidence
       Com 102: Present with Charisma
       Com 105: Write Effective Emails
       Com 110: Build Effective Slides
       Com 111: Craft a Persuasive Message
       Com 150: Outreach through Social Media
       Com 160: Human-centered Design for Communications
```

First page of Learning Menu



<u>Spring 2023 Learning Series Poll</u> including new courses on Office 365, Strategic Foresight, Systems, etc.

SERVICE VISION

Connect diverse and representative small businesses and researchers to X PMs and provide technical and financial support to fulfill X technology gaps, stimulating the economy and facilitating commercialization and X infusion.

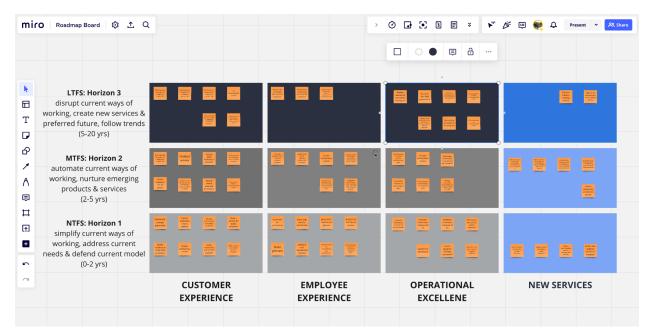
Service Vision part of Service Design System

For Innovators
Who are looking for financial and technical support
SBIR/STTR is a technology development and assistance and small business-researcher matching service
That allows innovators to apply for and engage with non-dilutive funding and support for commercialization

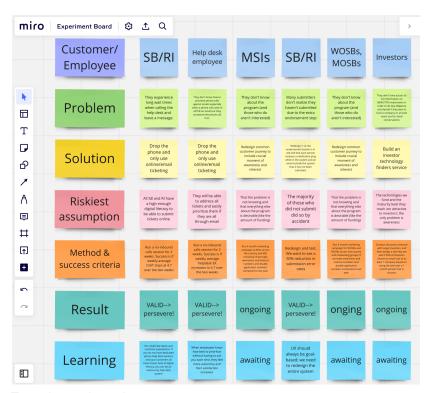
Unlike traditional investment opportunities that require equity/debt and commercial proof of concept

Our service is completely non-dilutive, uniquely supportive, and R&D friendly

Service Positioning Statement (for Innovators), Part of Service Design System



3-Horizons Roadmap Board from Current State (CS) to Near-term future state (NTFS) and eventually to long-term future state (LTFS)



Experiment board