

Lab Booster

Initiative brief

💡 Readme

* Required information

- Project details
- Phase 1:
 - Envision - High level initiatives
 - First, let's start with the Problem space
- Phase 2:
 - Strategize
- My tasks

Project details

Phase	<input type="checkbox"/> Envision <input checked="" type="checkbox"/> Strategize
Status	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid yellow; padding: 2px;">IN PROGRESS</div> <div style="border: 1px solid blue; padding: 2px;">UNDER REVIEW</div> <div style="border: 1px solid green; padding: 2px;">APPROVED</div> </div> <div style="border: 1px solid red; padding: 2px; margin-top: 5px;">NOT APPROVED</div>
Start Date	01 Jan 2023
Initiative name	Lab Booster - IT12193 (No more IT11398)
Description	<p>Our scope is to develop web-based solutions for R&I Application labs to easily access and visualize test data as well as predicting and recommending experiments.</p> <p>Digital Solutions: ELN Spreadsheets to capturing data, Lab PCs, Historical Data; Tableau and the one-digital product, a web application called DataLab, to retrieve/visualize data linked to experiments</p>
Domain & Product	
Requested Domain Journey / Platform	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Platf1- Data & Analytics & AI Platform <input checked="" type="checkbox"/> Platf2 A- Develop, Test & Deploy Platform <input type="checkbox"/> Platf2 B- Multi experience Platform <input type="checkbox"/> Platf2 C- Ent. Business Systems Platform <input type="checkbox"/> Platf3 A- Ecosystem Platform <input type="checkbox"/> Platf3 B- Hybrid & Cloud Platform <input type="checkbox"/> Platf3 C- Intelligent Asset Platform <input type="checkbox"/> Platf4- Info Security and Compliance Platform <input type="checkbox"/> Platf5- Workplace Platform <input type="checkbox"/> Journ1- Digital Customer Journey <input type="checkbox"/> Journ2- Digital Ops & Corporate Enablement Journey <input type="checkbox"/> Journ3- Digital Employee Journey <input checked="" type="checkbox"/> Journ4- Prepare the Future & Connected Research Journey <input type="checkbox"/> DTmng3- DT Enablement & Transformation

My tasks

- Enter your task here, using « @ » to assign it to a user and « // » to select a due date
- Enter your task here, using « @ » to assign it to a user and « // » to select a due date
- Enter your task here, using « @ » to assign it to a user and « // » to select a due date

Involved Domain Journey/ Platform	<input type="checkbox"/> Platf1- Data & Analytics & AI Platform <input type="checkbox"/> Platf2 A- Develop, Test & Deploy Platform <input type="checkbox"/> Platf2 B- Multi experience Platform <input type="checkbox"/> Platf2 C- Ent. Business Systems Platform <input type="checkbox"/> Platf3 A- Ecosystem Platform <input type="checkbox"/> Platf3 B- Hybrid & Cloud Platform <input checked="" type="checkbox"/> Platf3 C- Intelligent Asset Platform <input type="checkbox"/> Platf4- Info Security and Compliance Platform <input type="checkbox"/> Platf5- Workplace Platform <input type="checkbox"/> Journ1- Digital Customer Journey <input type="checkbox"/> Journ2- Digital Ops & Corporate Enablement Journey <input type="checkbox"/> Journ3- Digital Employee Journey <input type="checkbox"/> Journ4- Prepare the Future & Connected Research Journey <input type="checkbox"/> DTmng3- DT Enablement & Transformation
Initiative Ownership	
Digital Technology Partner	COLEGRAVE, Vincent
Product Manager / Service Delivery	Roscetti, Nicolas / Mauricio Nagahama
Roadmap & Key objectives	
Roadmap	List of Epics here ELN/Talend/GCP/Tableau roadmap in JIRA: https://solvayagile.atlassian.net/jira/software/c/projects/ALB/boards/560/roadmap DataLab roadmap in JIRA: https://solvayagile.atlassian.net/jira/software/c/projects/ALB/boards/581/roadmap
2023 Digital Technology Key objective	To standardize and to innovate Application Lab data in one platform called DataLab and make it easily accessible to users
Priority	<i>P1 - MUST DO</i>

Phase 1: Envision - High level initiatives



Do

- Create Envision brief if the initiative is part of the validated roadmap
- Highlight roadmap value
- Request a budget for Strategize if you need one
- [Security scoring](#)
- [RADAR/SENTRI](#)



Don't

- Request platform resources if the business capability is already identified and clear
- Write portfolio epics, epics and user stories
- Identify squad resources

First, let's start with the Problem space

1.1. Reason

* Why is this initiative proposed today?

To keep answering the R&I digitalization demand for Applications Labs

1.2. Benefits

What are the new capabilities expected?

- Secure, search and access historical and new data coming instruments and input software (ELN, LIMS)
- Visualize data to optimize lab outputs within 4 seconds all data available to the users
- Predict and recommend data experiment

What will it replace? Is it a new solution or an existing one?

It will replace paper, googlesheet/excel, and local files or drives

1.3. Target users

Who are the future users?

All application labs of Novocare (Agro, Coatings), Materials, Batteries

What is the number of users impacted?

240

What about the Business Needs?

1.4. Value proposition

What is the value of the initiative?

One simple-safe solution to access & valorize R&I data with predictive- analytics for all market users.

1.5. Business goals

How does the product / deliverable align with the business goals?

- 15% productivity increase in the Labs
- No more data loss compared to a 20% today
- Reducing the number of experiments done on a project by 50%

1.6. Challenges

Are there any challenges in developing the product?

- Standardizing our customized solution with a data model that works for all with proper data governance
- Difficult for R&I to come up with standard lab process and data governance

1.7. Business metrics

How will we measure success?

Global DT OKRs:

- >90% adoption of our solution
- >15% user time saved with customized digital solution

1.8. Cybersecurity

Please duplicate [this template](#) in [this folder](#). Then, for the envision phase, answer to the 7 high-level questions in the "Security Scoring" sheet. These questions will help the SIP team to determine the level of cybersecurity & compliance support you will need. Please contact the team by email: @SIP_team@solvay.com

Output completed:

- Email sent with SIP assessment

1.9. Up to investment

What is the coherent time to commit on the initiative?*

Estimated Delivery phase start date*	Estimated Delivered end Quarter*
02 Jan 2023	31 Dec 2023

What is the coherent money to commit on the initiative?*

	2023 (in K€)*	2024 (in K€)*	2025 (in K€)
Estimated size of investment (high level)	1470 K€ 1050k€ CapEX + 421k€ OTC	TBD in 2023	

What is the coherent run and build commit on the initiative?

Estimated run costs (estimation high level) - on 10Y (if already known)	Type of savings expected /year for DT (Ex: Contracts, FTE, ...)
80K per year	

1.10. Resources

What skills and talents do we need?

ELN specialist
Data Architect
Data Engineer
Data OPS
Data Viz
Data Scientist
Full Stack web developer

1.11. Methodology to apply (refer for Accolade)

Do you think if your initiative is compatible with a waterfall approach or with an agile approach?

- Agile model
 Waterfall model
 I do not know at this stage

If the initiative will be done in Agile methodology, please contact during the strategize phase [Nicolas LOVAGNINI](#)

Phase 2: Strategize

Do

- Identify portfolio epics and epics within each portfolio epics
- Create a document / slide / spreadsheet to build your epics and put a link in the brief
- Estimate experts and budget by portfolio epics or by increment
- Show SMART KPI (Specific, Measureable, Achievable, Relevant, and Time-Bound)
- Evaluate the impact on Solvay One Planet objectives

Don't

- Identify squad resources (naming)
- Write user stories

Now, we can move on to the Solution space

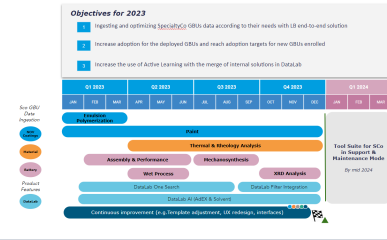
2.0 Scope / Deliverables

What is the scope (technical, functional & organizational) / deliverables foreseen?

Scope/Epic deck

ELN/Talend/GCP/Tableau roadmap in JIRA: <https://solvayagile.atlassian.net/jira/software/c/projects/ALB/boards/560/roadmap>

DataLab roadmap in JIRA: <https://solvayagile.atlassian.net/jira/software/c/projects/ALB/boards/581/roadmap>



2.1. Actions to complete

Mandatory actions * (please contact them together if possible)		
Description of the action / task	Contact	Document & examples (please make your own copy and insert new link here)
Contact each relevant pool lead to book resources in the capacity planning tool <input checked="" type="checkbox"/> Florine Arpin can help	ARPIN, Florine	Complete Capacity planning tool
Complete Accolade <input checked="" type="checkbox"/> Claire Bazin can help	Claire Bazin	Complete Accolade
Review with Enterprise Architect the actual solution answering the objective <input checked="" type="checkbox"/> Françoise Bergame can help	Françoise BERGAME (Structure)	Complete Architecture Impact Analysis (AIA) ARB & AIA Output completed: Architecture Impact Analysis for Lab Booster IT12193
Check you have confirmed the involvement of each platform <input checked="" type="checkbox"/> Julie Mijajlovic		Revert to SDM of each Platform
Identify security needs (Confidentiality, Integrity, Availability) and define security measures to be implemented by the initiative team <input checked="" type="checkbox"/> Benjamin Poissonet can help	Benjamin POISSON NET	Complete " SIP Support tool " Output completed: 12913 - Lab Booster - SIP tool

Support for budget estimation (via the Workload & Cost), Financial evaluation (Total Cost of Ownership over 10Y), saving validation <input checked="" type="checkbox"/> Jill Wilson can help	Jill Wilson	<input checked="" type="checkbox"/> W&C: to be filled in to Accolade in preparation phase Output completed: FY23 H1 IT12193 Lab Booster v3 -Workload _ Costs Estimation-V0.84 TCO over 10Y: xxxx - Business Case /Financial evaluation 10Y
Optional		
If any relation needed with a supplier <input type="checkbox"/> Alexis Blancher can help	BLANCHER, Alexis	
If it concerns a key supplier, a sourcing strategy has to be defined <input type="checkbox"/> Isabelle Auboeuf can help	Isabelle Auboeuf	
If conformity by design is required <input type="checkbox"/> Emmanuelle Bureau can help	Emmanuelle Bureau	GMP (pharma), ISO
If Data Governance is required: identify the business objects <input type="checkbox"/> Philippa de Glanville can help	Philippa de Glanville	Data Governance Strategise for Initiative Briefs

2.2. Users needs

What do users dislike about the current solution?

Applicable when a new solution is developed

Current solutions do not centralize the data
 At least 20% of certain data is lost
 Historical data is not used
 Not easy way to visualize and analyze data
 No customized solutions (GoogleSheet)

What tools or features do your users wish to have?

ELN, Tableau, DataLab, AI tools (LabInsight & AdEX)

What value will it add to the user's lives?

Intuitive application
 Fast access to data within less than a few seconds
 Less redundant tasks with digital solutions
 Predicting and recommending data to optimize the number of experiments

What alternative do we have?

The data needs to be centralized in a the cloud and standardized. Any cloud platform like GCP would do.
Web based interface can be a customized web application or any powerful data analytical tools

2.3. Risk Analysis

What are the risks (refer to Risk analysis matrix in Accolade)?

- Process and Data governance to be agreed as we go with R&I GBUs
- Lack of potential GBU resources to collect needs and build requirements
- Team member: high level of turnover, KTs are difficult with the complexity of the subjects and solutions
- For security reason, long process and tickets sitting in queue for deployment does not allow us to quickly fix or build
- Data not being standardized or demand from R&I not clear can slow down or create rework. Agile.
- Many labs, large demand, difficult to select mature projects and also standardize globally

2.3. Solvay One Planet Objectives

What is the qualitative assessment of Hardware/ Data processing/ Project's contribution to Solvay One Planet?

- Is the business ambition you will support improving or not sustainability?
Yes, more sustainable thanks to the optimization of the lab experiments and by centralizing the data (less duplicate and data loss) for less data pollution.

- Will you increase or decrease the number of hardware we need to operate? How much ?
It will not necessarily increase the number of hardware since some labs already own lab pcs and Solvay laptop

- Will you generate or transfer an important amount of data, especially videos? How much?
Data is mainly text files. Very small of photos or videos.