

Compilers' Hub: Progress Update

17TH MEETING OF THE ADVISORY EXPERT GROUP ON NATIONAL ACCOUNTS

15 NOVEMBER 2021

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Project Goal

Design and develop a digital solution for the Statistical Compilation Community that would allow them to

- Centralize and share knowledge,
- Engage in global collaboration and discourse,
- and convene topical conversations
- This solution would also serve the government officials overseeing the statistical domains of national accounts, balance of payments, government finance statistics, monetary finance statistics, macro-indicators calculations and national statistics.

INTERNATIONAL MONETARY FUND

Project Stage



Participatory design sessions

5 virtual whiteboarding sessions held in Mural

By engaging both internal stakeholders and partners from other IOs, we translated their vision into features and requirements that work together in a unified hub.

2



Information Architecture testing

Conducted with users to gather feedback on content priority and investigate mental models for categorization.

- 500 participants engaged
- 120+ completed responses

We mapped out how the content should be structured.

3



Global series of interviews

13 countries represented:

Afghanistan, Australia, Belgium, Brazil, Canada, Georgia, Ireland, Lebanon, Senegal, Switzerland, Uganda, USA, Zimbabwe

4 Statistical Domains:

Government Finance Statistics, National Accounts, Price Statistics, External Statistics.

We synthesized 4 major user groups and identified their attributes / pain points.

INTERNATIONAL MONETARY FUND

Project Stage



Early design drafts

Mock-ups were put together considering the user research and stakeholder desires.

These designs are based on blue sky thinking, meaning that they are conceptual and not all of the features will make it to the production.

Feasibility Assessment (in progress)

IMF's IT Department will be assessing which features will be feasible, and what is the most suitable platform. This will determine how the final designs are made. 6

Production

IMF's IT Department will start implementation based on the final designs.

INTERNATIONAL MONETARY FUND

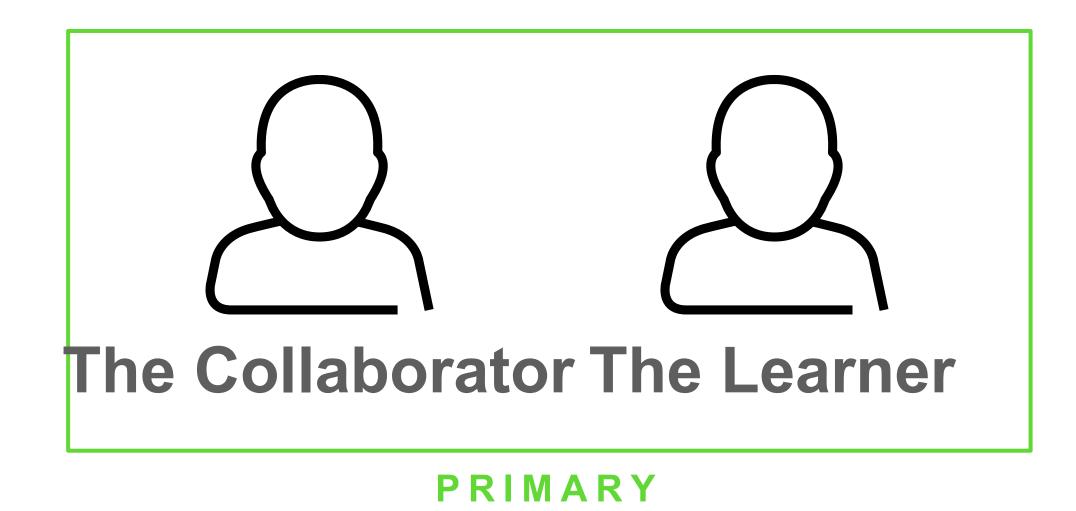
Who are the users?

Using human-centered design methodology, we conducted global series of interviews with end users to investigate actual needs and behaviors — both validating and correcting previous assumption-based personas.

14 Interviews 45 Minutes Each 13 Countries

4 Statistical Domains

Synthesized 4 major persona groups:



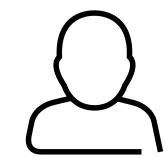




What are their needs?



The Collaborator



The Learner



GOAL

Uses this space to impart knowledge or connect with others in their statistical domain or regional group.

Comes to this site to learn, attend trainings or discover resources needed for their job.

Joins this portal to impart expertise to those who are seeking professional assistance.

ATTITUDES

- Eager to engage with others in field
- Busy, easily annoyed by inorganization of resources

- Worried about getting the correct guidance for an inquiry
- Looking to prove their value to their employer
- Concerned about not having a way to share their experience
- Independent, but likes to contribute

NEEDS

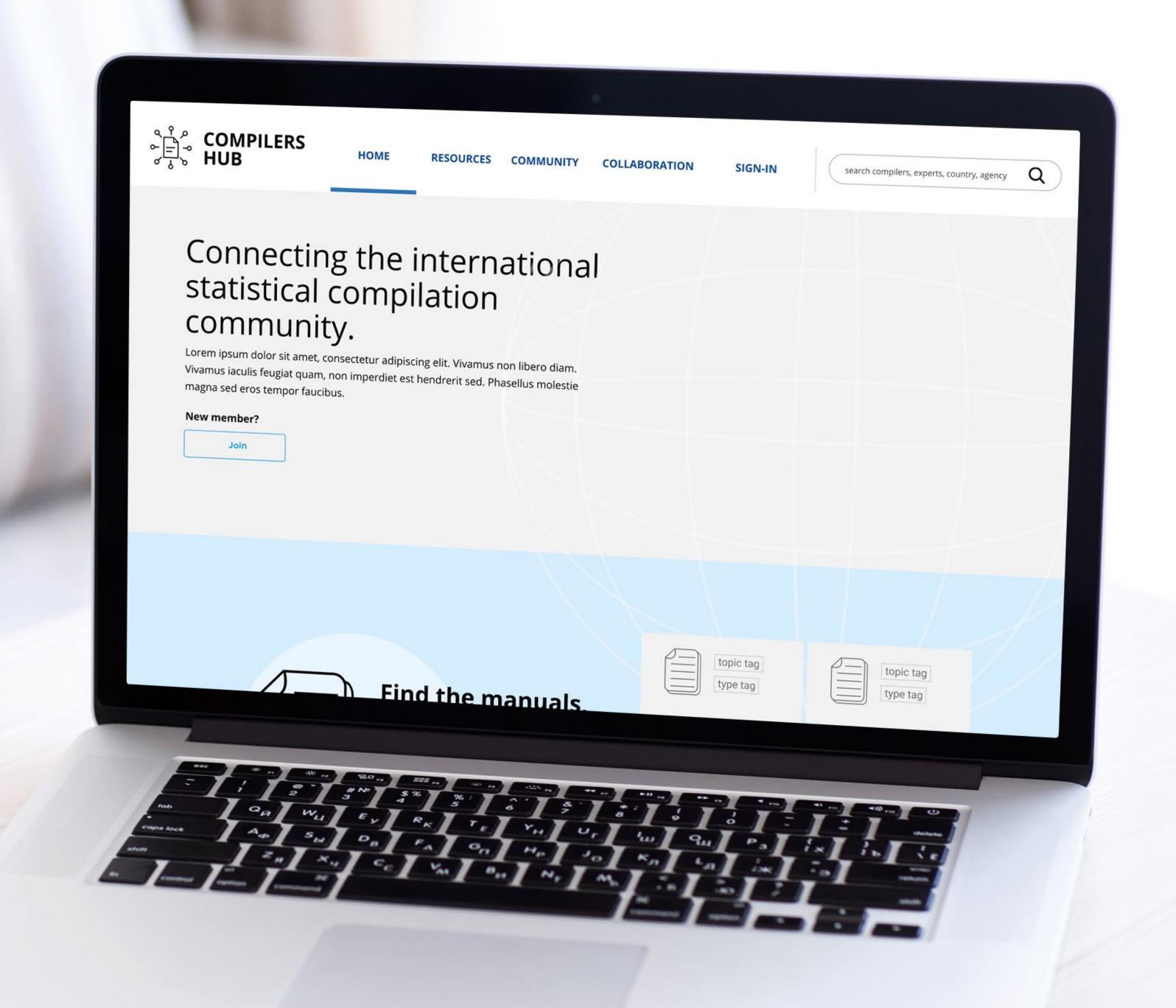
- A way to understand the value they add
- One-stop shop for resources & connection
- Quick tools for engagement

- Clear and detailed information
- An open way to converse and exchange with more advanced peers
- International consensus on guidance
- Easy-to-use platform
- Relevant information for their projects

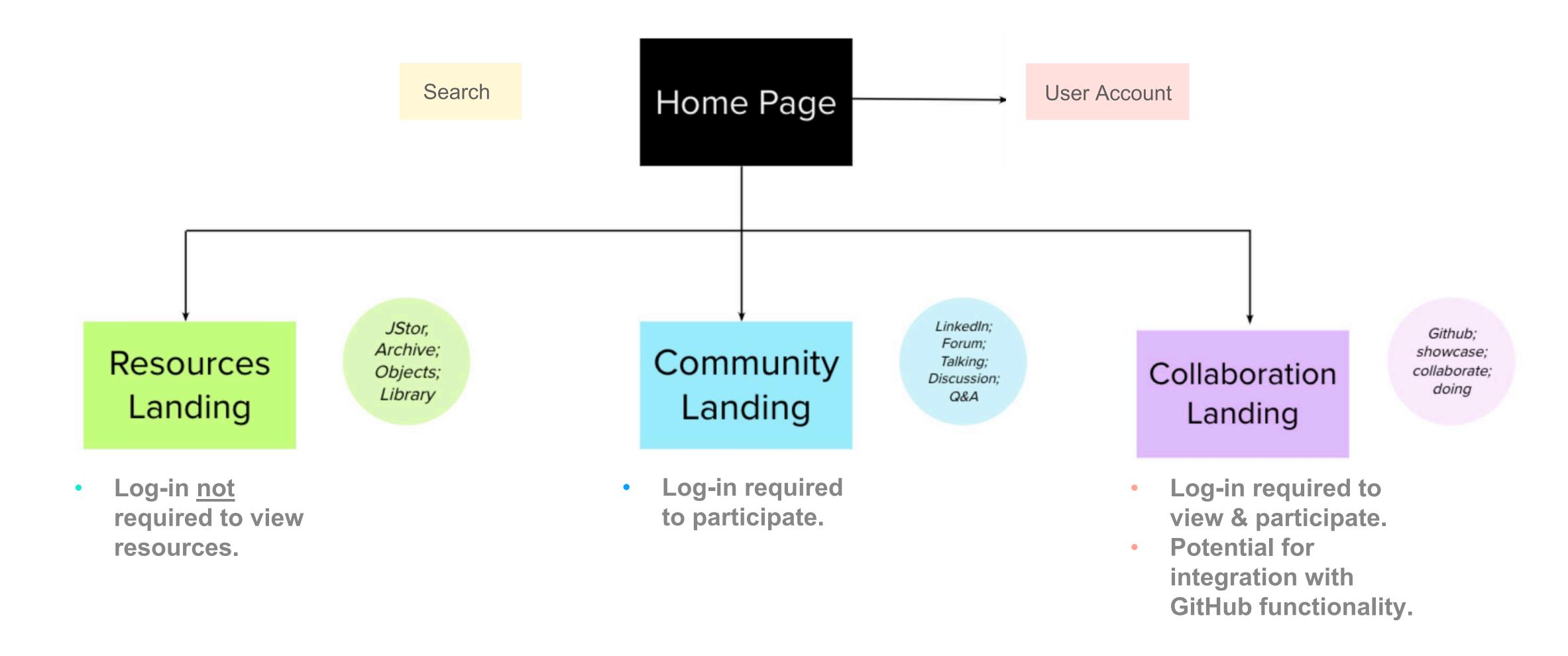


The Structure

- User research revealed that the target audiences' needs can be classified in 3 distinct buckets: Resources,
 Community and
 Collaboration.
- The information architecture was structured around these needs, and it reflects the users' mental model.



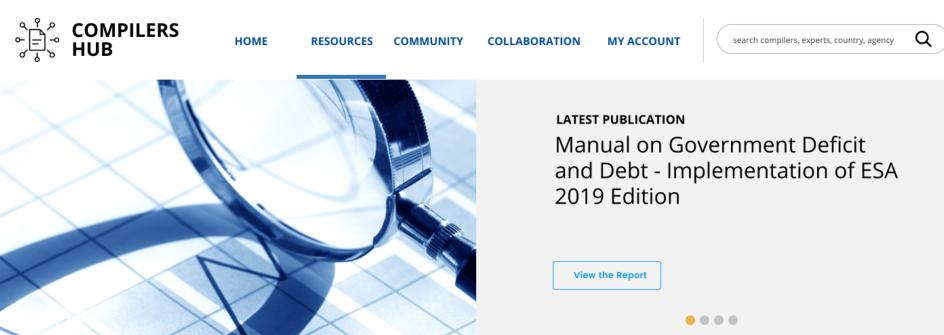
Site Structure Overview



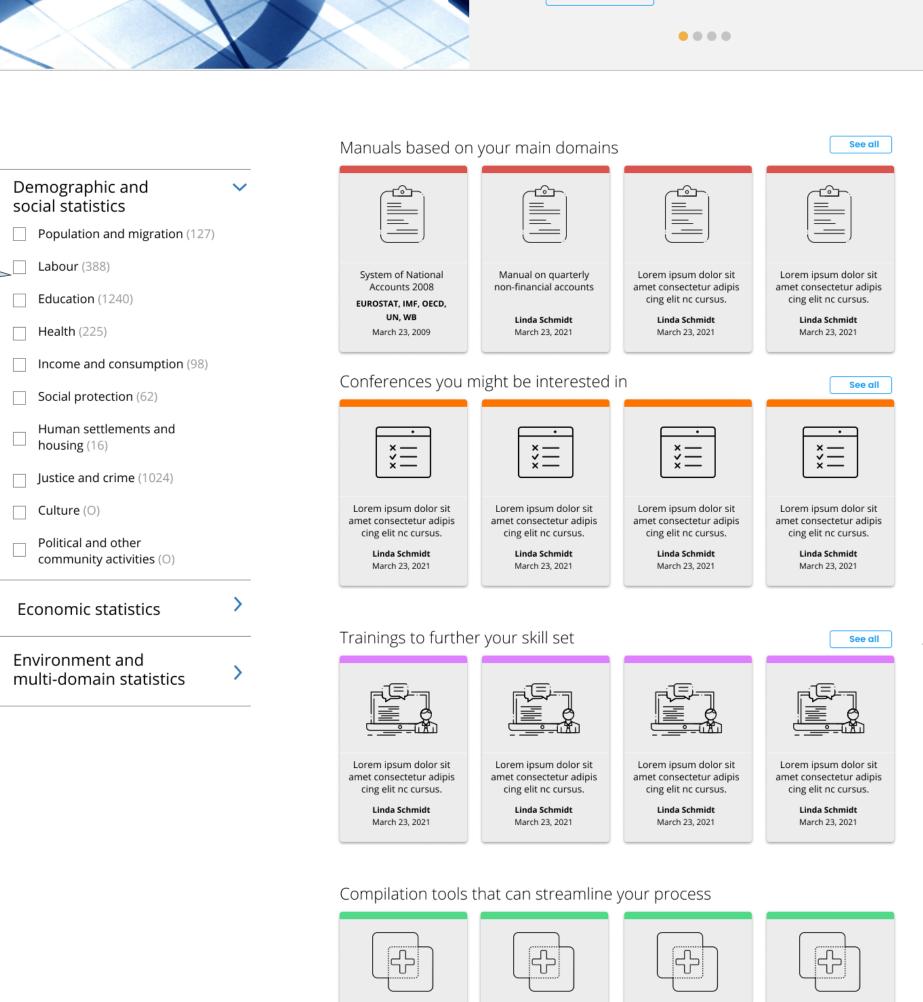


RESOURCES: Landing Page

- This section of the hub will be where users find Manuals, links to Conferences and Trainings, and obtain more information on the Tools they can benefit from such as R Programming, SBR, Excel templates and Stata.
- All of the resources will be tagged with the domains and topics they relate to, making it easy for users to filter and access the information they need quickly.



Users are able to filter the content by domains and topics.



Rotator that enables selected resources to be featured.

Resources are classified in 4 main areas: Manuals, Conferences, Trainings and Compilation Tools.

Based on the user's domains and topics, relevant content will be positioned at the front.

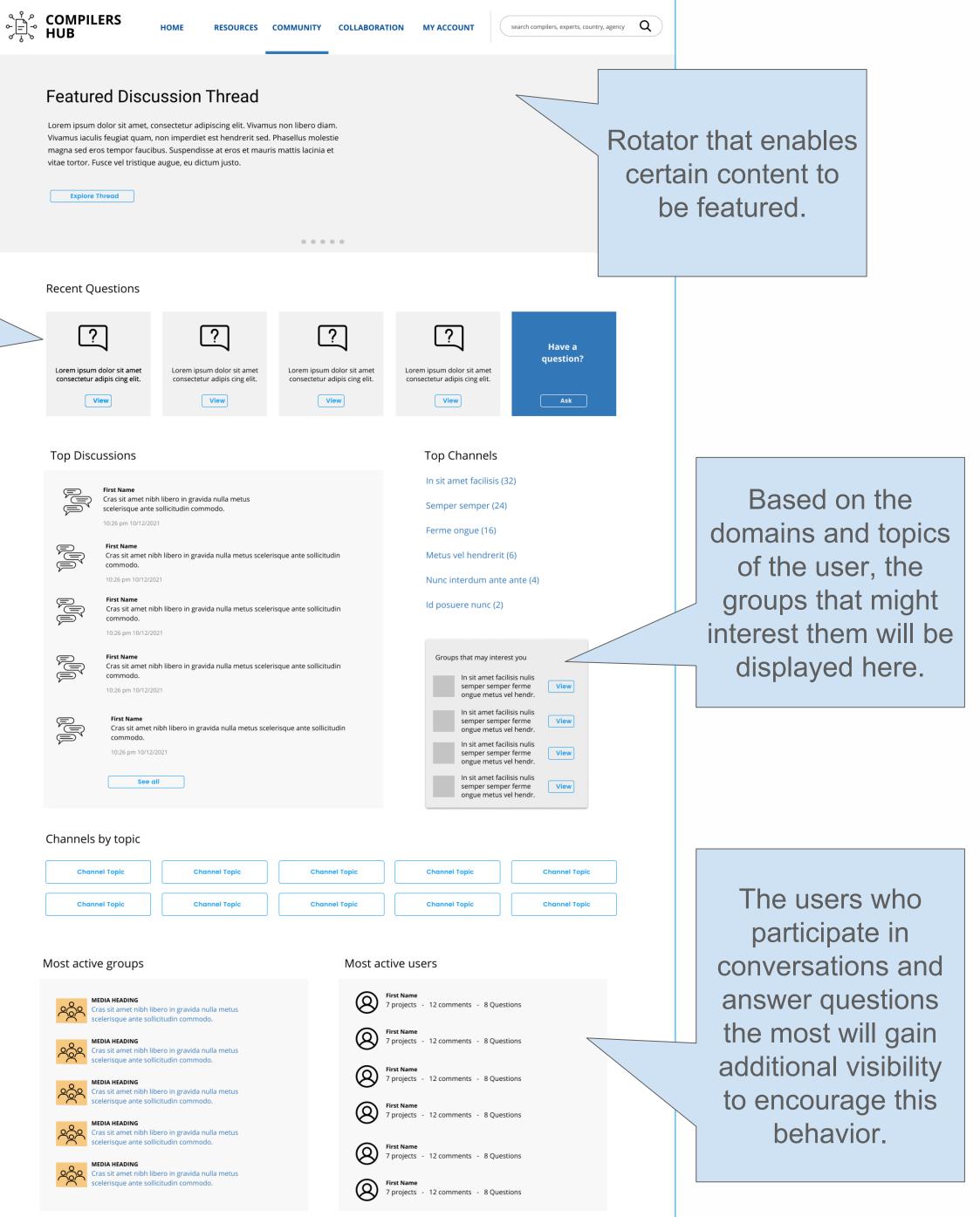
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COMMUNITY

- Here, users will have the opportunity to interact with other compilers and expand their network.
- They can join existing groups or create new ones; participate in discussions and post the questions they might have.

Most recent questions will be highlighted to help experts more easily find the less experienced users who need help.



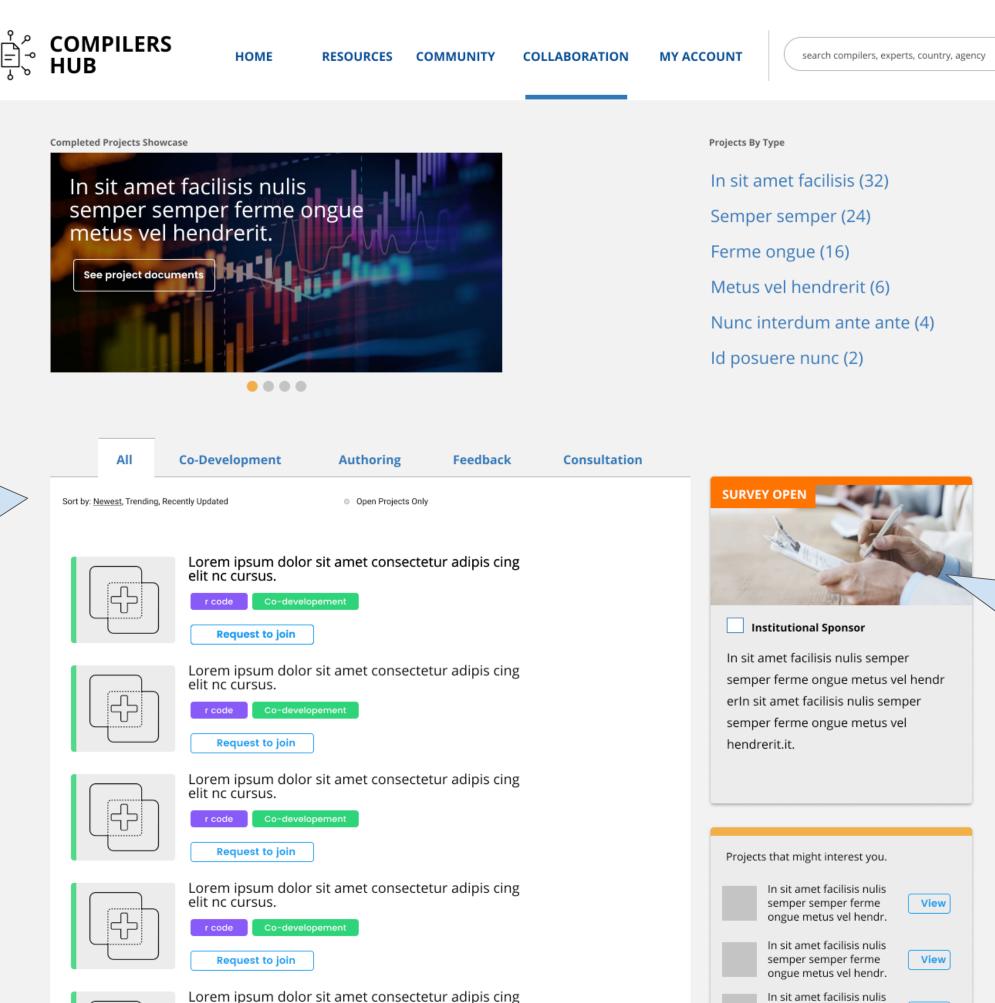
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COLLABORATION

- One of the most sophisticated features of the hub is to give the users the ability to collaborate on projects.
- Like GitHub, this space brings together all the resources related to a project — allowing users to co-develop a compilation tool, host the files, do version controlling and distribution — and facilitates collaboration while the project is ongoing.
- Once it's complete, the activities and outcomes are archived and showcased to inspire new projects.

Users can collaborate on codevelopment such as R programming, authoring new documents, collating feedback on a completed project and seek consultation on an ongoing project.

New projects that are looking for contributors with relevant skills are featured here.



Open Calls for Collaborators

Projects seeking collaborators with your skills...



View



View





View

Have an idea for a project?

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Users can also start a new project to collaborate with other compilers.

Institutions can call

for participation on

their surveys.

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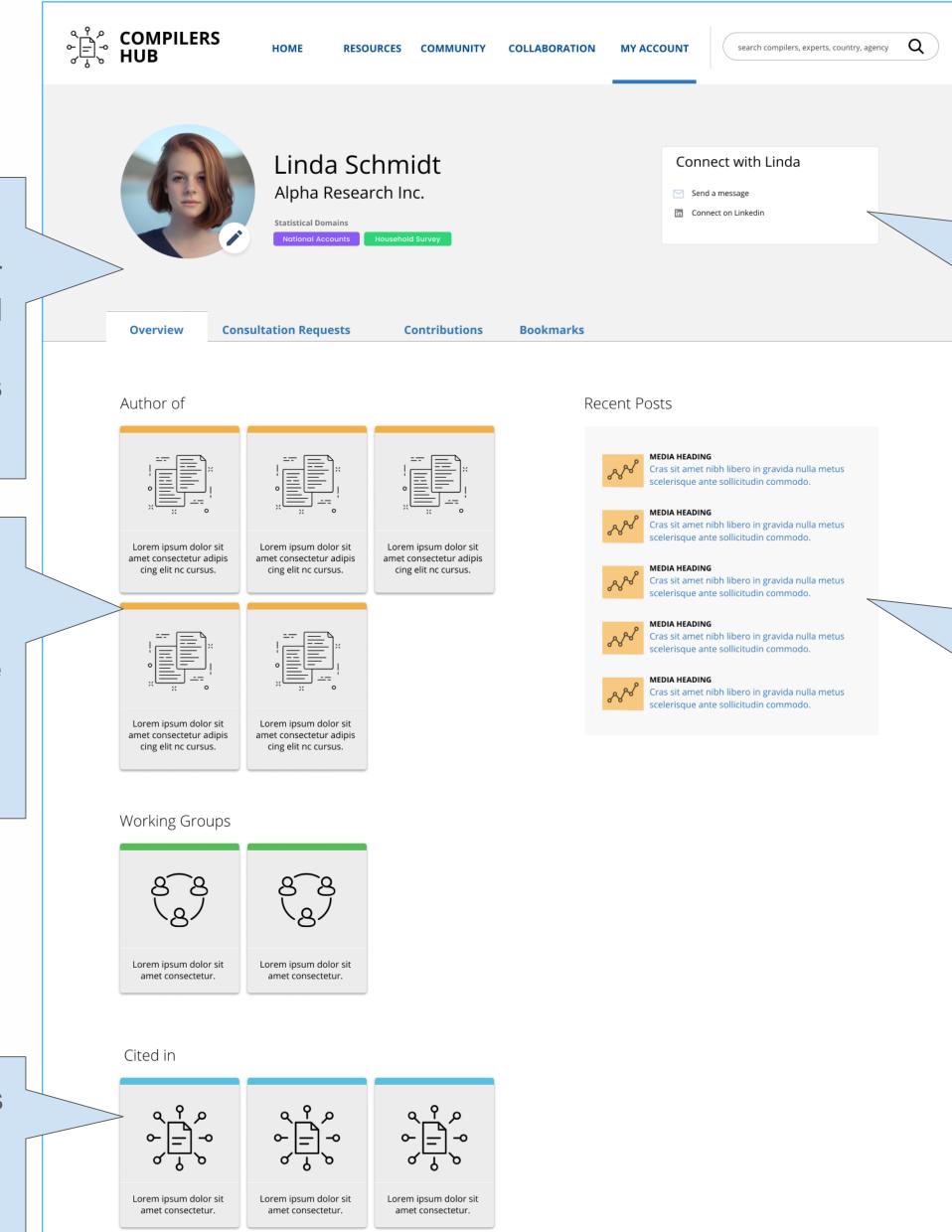
USER PROFILE

- Profile pages are where users can get detailed information on other users' backgrounds, expertise and their contributions to the projects that are being built on the hub.
- It's also an area where users can come back to for quick access to the documents they have saved.

In addition to the institution the user works for, they will also indicate the statistical domains they work in.

Users' profiles will automatically be populated with the content they have authored

When their work is cited in other articles, they will appear here.



Users can message each other directly on the platform. They can also provide a link to their LinkedIn profiles.

Their most recent posts will be listed on their profile page, making it easy to keep track of their contributions.





