

# Compilers Hub Status Update

**27TH MEETING OF THE ADVISORY EXPERT GROUP ON  
NATIONAL ACCOUNTS**

**WASHINGTON DC, OCTOBER 30, 2024**

Real Sector Division, IMF Statistics Department

# Background

**Compilers Hub:** User-friendly digital solution for the GLOBAL Statistical Community

Platform for:

Sharing knowledge: powerful vehicle to support CD

Fostering collaboration: network of experts; dynamic functionalities for co-development

Convening topical conversations: problem solving; new user needs; best practices

## **Stakeholders:**

IMF, other International Organizations, and Government officials producing or analyzing macroeconomic or other statistics.

# Membership (User Profile)

While the Hub will be open to any visitor, the levels of engagement are designed to have four levels of access:

1. **Visitor:** general public to an open website  
=> Page with an overview of the hub and access to some public information;
2. **Member:** users need to register and provide some relevant information including interests and skills  
=> Access to members-only information; ability to generate and join projects and load information
3. **Administrator:** superusers that moderate the flow of information in the hub, approve documentation upload and projects
4. **Owner:** users in charge of the site management and privileges across administrators

# Structure of the Compilers Hub



## RESOURCES

*Digital Library;  
Research Corner;  
Training Center;  
IT tools;  
Databases*



## COMMUNITY

*Knowledge  
Sharing; Discussion  
Forum;  
Technical  
Questions and  
Answers*



## COLLABORATION

*Project co-  
development; Skills  
and interests  
matching;  
Methodological  
development*

# The Hub's Architecture

The overall infrastructure of the Hub is based on:

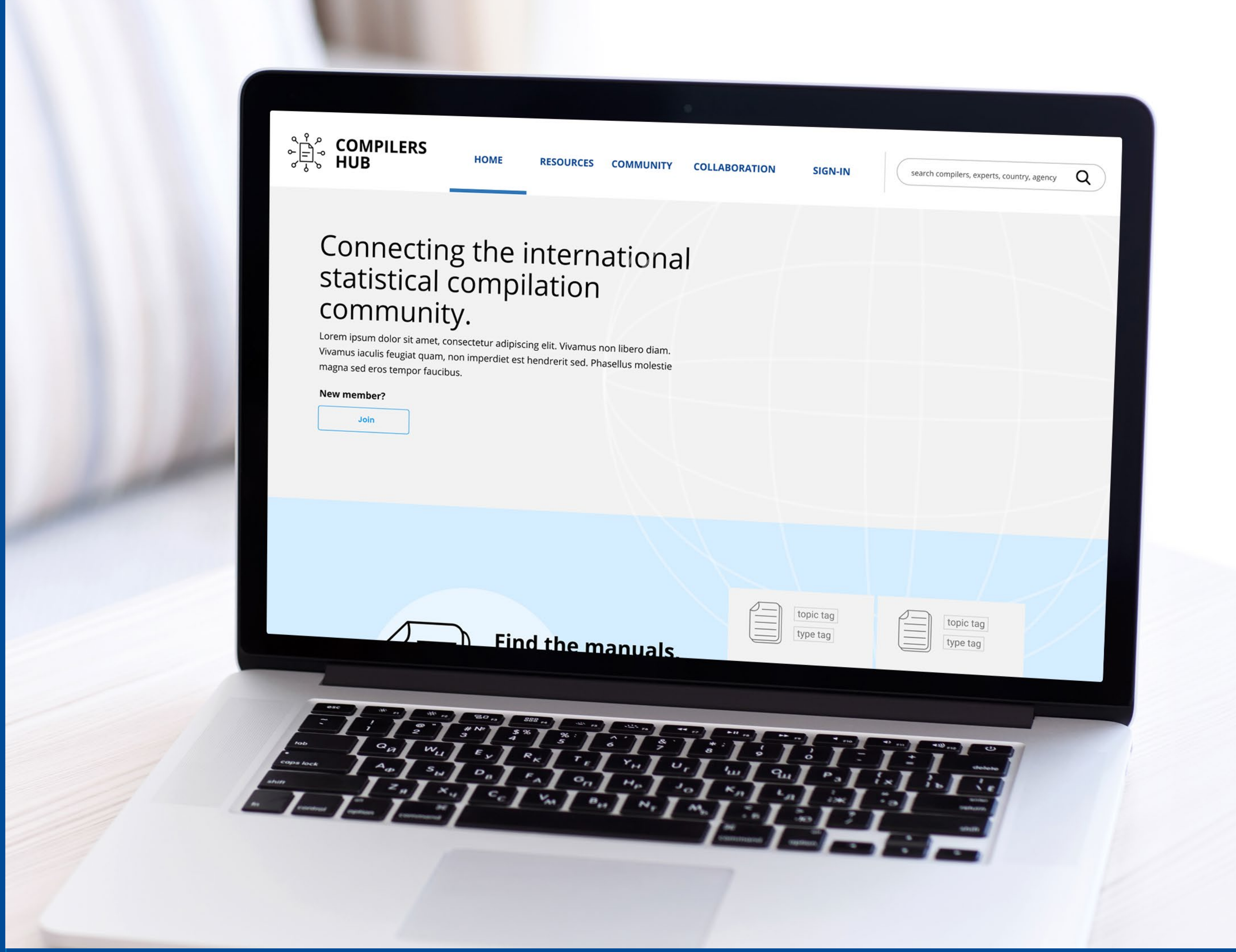
Artifacts that are classified by:

- Domain (topical statistics: e.g., NA, ESS, GFS, etc.)
- Topic (specific groups by topics: e.g., ISA, QNA, SUT;  
BOP, IIP, FDI;  
Public Debt, Fiscal Transparency)

Users that are categorized by:

- Interest
- Skillset
- Expertise

Quick demo



# Status Update

# Where we are at now

## Final stages of the **current phase**

- STA team is testing the new developments (Resources and Profiles)
  - To detect defects; to validate functionalities; to propose improvements –user experience
- Will start a third round of testing “External Users” type
- Initial discussions/developments for **Phase 2.2** – including the addition of “**Talk to the Manuals**” application, the notifications functionality, and the interfaces to manage the Hub’s back end

The **next phase** requirements have been broadly defined. Key issues are being discussed/investigated/developed:

- The security protocols
- The hub’s (community of practice) governance; moderation; confidentiality; copyrights; visitor’s page; interagency management; launching
- Funding allocation–potential **additional phase**



# ‘Talk2manuals’ bot



# 'Talk2manuals' Bot:



=> All manuals combined, are several thousands of pages

=> Difficult to read and extract information

## ***The Bot will:***

- Make interaction user friendly
- Leverage new AI technologies
- Make the solution a public good
- Be integrated with the Compilers Hub

Demo:

**Thank You**