Compilers Hub

SPRINT ON AI AND DATA SCIENCE FOR ECONOMIC STATISTICS

DECEMBER 12, 2024

Michael Stanger

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.

Overview of the Hub

User research revealed that the target audiences' needs can be met by structuring the Hub around 3 distinct user experiences:
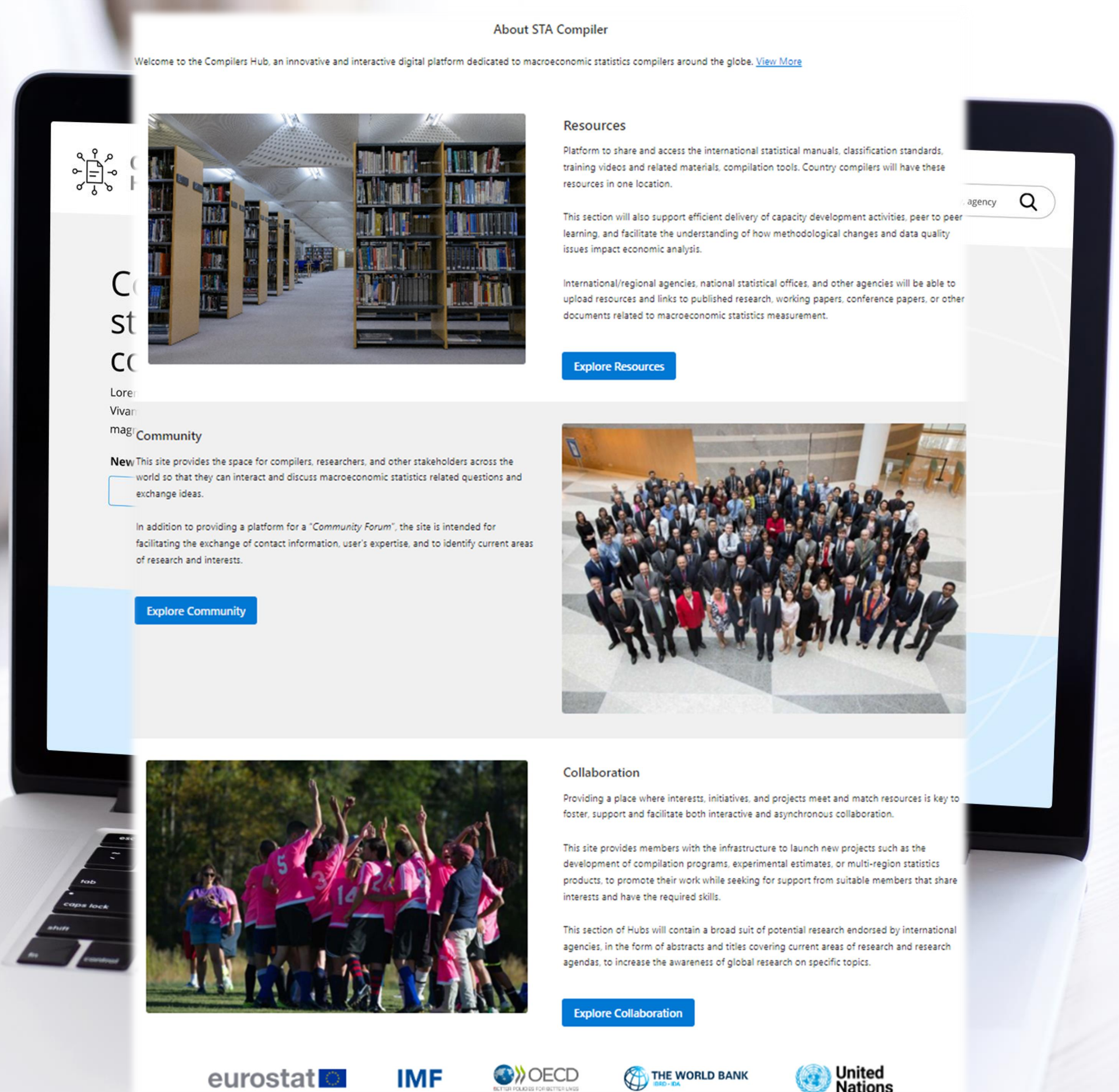
◆ **Resources**

- *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*

About STA Compiler

Welcome to the Compilers Hub, an innovative and interactive digital platform dedicated to macroeconomic statistics compilers around the globe. View More

Resources

Platform to share and access the international statistical manuals, classification standards, training videos and related materials, compilation tools. Country compilers will have these resources in one location.

This section will also support efficient delivery of capacity development activities, peer to peer learning, and facilitate the understanding of how methodological changes and data quality issues impact economic analysis.

International/regional agencies, national statistical offices, and other agencies will be able to upload resources and links to published research, working papers, conference papers, or other documents related to macroeconomic statistics measurement.

Explore Resources

Community

This site provides the space for compilers, researchers, and other stakeholders across the world so that they can interact and discuss macroeconomic statistics related questions and exchange ideas.

In addition to providing a platform for a "*Community Forum*", the site is intended for facilitating the exchange of contact information, user's expertise, and to identify current areas of research and interests.

Explore Community

Collaboration

Providing a place where interests, initiatives, and projects meet and match resources is key to foster, support and facilitate both interactive and asynchronous collaboration.

This site provides members with the infrastructure to launch new projects such as the development of compilation programs, experimental estimates, or multi-region statistics products, to promote their work while seeking for support from suitable members that share interests and have the required skills.

This section of Hubs will contain a broad suit of potential research endorsed by international agencies, in the form of abstracts and titles covering current areas of research and research agendas, to increase the awareness of global research on specific topics.

Explore Collaboration

eurostat   IMF   OECD   THE WORLD BANK   United Nations
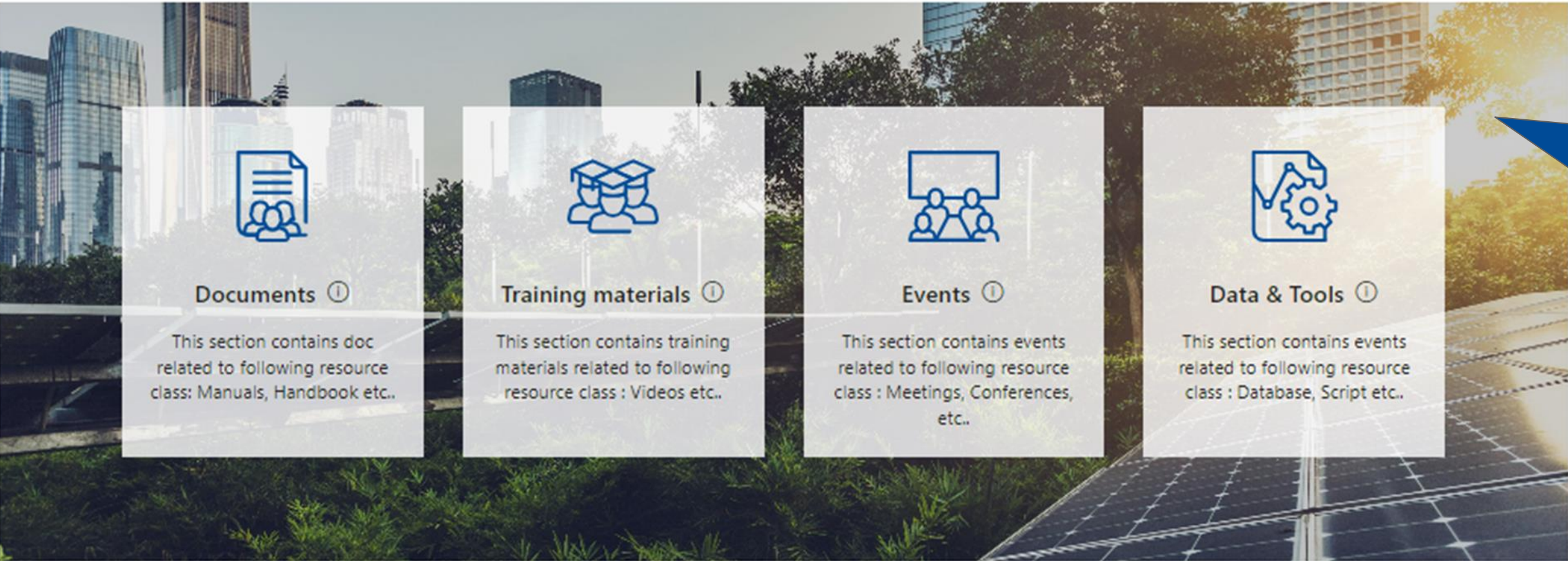
RESOURCES

Allows for easy access to:

- Manuals

- Links to Conferences and Trainings

- Links to Online Training Materials

- Statistical Programs & Tools

- Statistical Templates

Content will be tagged with the domains and topics to which they relate, making it easy for users to search / filter the data quickly.

Rotator for Featured Resources

Resources classified in 4 main areas:
- Documents
- Training Materials
- Events, and
- Data & Tools

Content featured based on the user's profile – (domains, topics and other interests)

System of National Accounts 2008

See Resource Documents

Documents ⓘ
This section contains doc related to following resource class: Manuals, Handbook etc..

Training materials ⓘ
This section contains training materials related to following resource class : Videos etc..

Events ⓘ
This section contains events related to following resource class : Meetings, Conferences, etc..

Data & Tools ⓘ
This section contains events related to following resource class : Database, Script etc..

Trending Documents

EUROSTAT Revision
Gian Luigi Mazzi; Rosa Ruggeri Cannata; S. H.A.R.A.T.H ,', R.A.O;
September 02, 2024 12:00 PM

System of National Accounts 2008
European Commission; International Monetary Fund; Organization for Economic Co'...
September 02, 2024 12:27 PM

Price Statistics Resource Document
Siva Sree, yedumalla;Harry Y
September 04, 2024 09:00 AM

Trending Trainings

Introduction to Python LinuxWorld
Guido van Rossum;
September 02, 2024 11:50 AM

Data Analysis Training module 1
Jhon D; Cameroon Tucker; Michel Pritchett; Lily P Tucker
September 28, 2024 03:40 AM

UAT testing for Resource Training
Avik Dikpati
September 09, 2024 08:10 AM

Trending Events

Economic well-being and sustainability: Distributional Aspects
Margarida Martins
September 03, 2024 08:20 AM

UAT Testing For Events ..
Avik
September 09, 2024 08:15 AM

19-9 Test Events...
Margarida Martins; Justin B; Rajat; Edit
September 16, 2024 11:00 AM

4

Membership (User Profile)

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

- Visitor: general public to an open website

  => Page with an overview of the hub and access to some public information;

- 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

- Administrator: superusers that moderate the flow of information in the hub, approve documentation upload and projects

- Owner: users in charge of the site management and privileges across administrators

'Talk2manuals' Bot:

=> All manuals combined, are several thousands of pages

=> Difficult to read and extract information

The Bot (ChatGPT-type) will be integrated in the Hub and will:

- Make interaction user friendly

- Leverage new AI technologies

- Make the solution a public good

- Be rail guarded by the "Resources" within the Hub

Thank You