

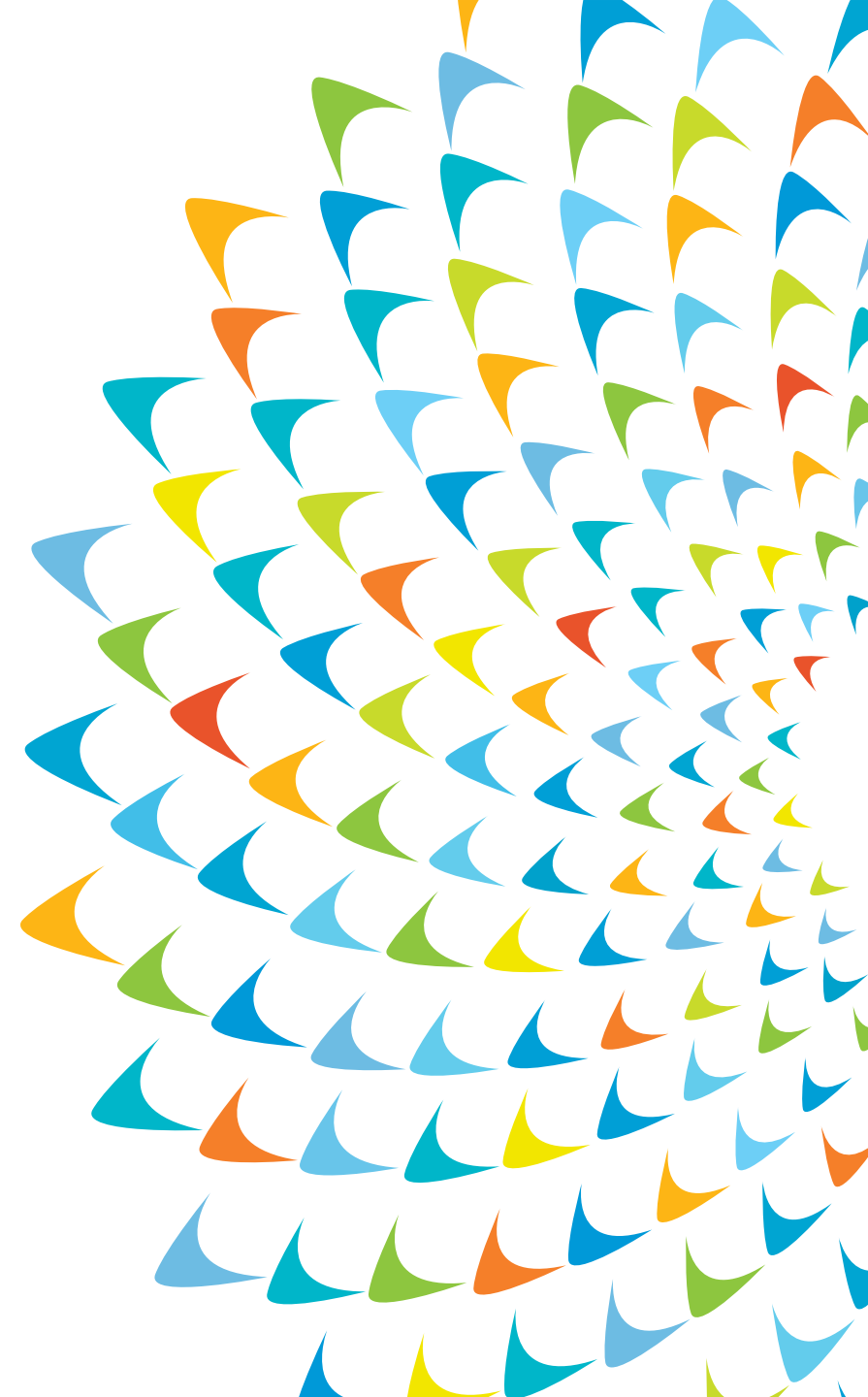
SDMX Tools eLearning Course

9th SDMX Global Conference –
Empowering Data Communities

31 October 2023

Stefan Schipper

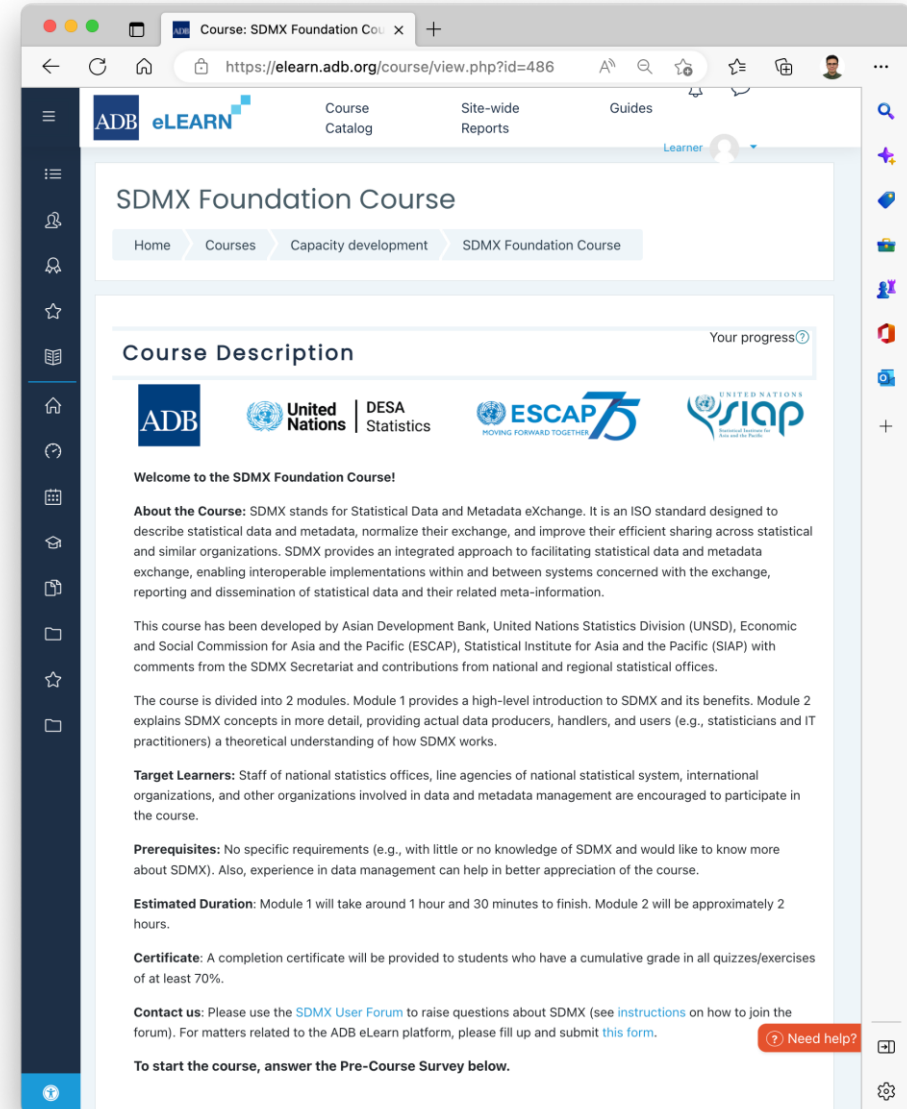
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SDMX Foundation Online Training Course

- **Developed** by ADB in collaboration with UNSD, SIAP, and ESCAP, with comments from the SDMX Secretariat and contributions from national statistical offices
- Introductory course to SDMX:
 - Rationale and benefits of SDMX
 - Overview of how SDMX works
 - Things to consider during implementation
- **Target learners:** Managers, statisticians, IT professionals, and staff involved in the production, collection, dissemination, exchange of statistical data
- **Prerequisite:** No specific requirements
- **Self-paced** learning
- **Certificate** upon completion of course with passing grade



The screenshot shows the ADB eLEARN platform interface for the SDMX Foundation Course. The page title is "SDMX Foundation Course" and the URL is "https://elearn.adb.org/course/view.php?id=486". The course description includes the following information:

- Welcome to the SDMX Foundation Course!**
- About the Course:** SDMX stands for Statistical Data and Metadata eXchange. It is an ISO standard designed to describe statistical data and metadata, normalize their exchange, and improve their efficient sharing across statistical and similar organizations. SDMX provides an integrated approach to facilitating statistical data and metadata exchange, enabling interoperable implementations within and between systems concerned with the exchange, reporting and dissemination of statistical data and their related meta-information.
- Course Development:** This course has been developed by Asian Development Bank, United Nations Statistics Division (UNSD), Economic and Social Commission for Asia and the Pacific (ESCAP), Statistical Institute for Asia and the Pacific (SIAP) with comments from the SDMX Secretariat and contributions from national and regional statistical offices.
- Course Structure:** The course is divided into 2 modules. Module 1 provides a high-level introduction to SDMX and its benefits. Module 2 explains SDMX concepts in more detail, providing actual data producers, handlers, and users (e.g., statisticians and IT practitioners) a theoretical understanding of how SDMX works.
- Target Learners:** Staff of national statistics offices, line agencies of national statistical system, international organizations, and other organizations involved in data and metadata management are encouraged to participate in the course.
- Prerequisites:** No specific requirements (e.g., with little or no knowledge of SDMX and would like to know more about SDMX). Also, experience in data management can help in better appreciation of the course.
- Estimated Duration:** Module 1 will take around 1 hour and 30 minutes to finish. Module 2 will be approximately 2 hours.
- Certificate:** A completion certificate will be provided to students who have a cumulative grade in all quizzes/exercises of at least 70%.
- Contact us:** Please use the [SDMX User Forum](#) to raise questions about SDMX (see [instructions](#) on how to join the forum). For matters related to the ADB eLearn platform, please fill up and submit [this form](#).
- To start the course, answer the Pre-Course Survey below.**



SDMX Foundation Online Training Course

- **Course Objectives:**

- Provide a high-level SDMX overview and how it can fit into and improve statistical business processes
- Provide a basic understanding of SDMX, including the SDMX information model, content-oriented guidelines, SDMX infrastructure, and implementation considerations

- **Content:**

- Module 1: Introduction to SDMX
 - ❖ **Expected outcome:** general understanding of what SDMX is, its potential benefits, and matters to consider during implementation
 - ❖ **Duration:** Approximately 1.5 hours to complete
- Module 2: SDMX Information Model
 - ❖ **Expected outcome:** acquire theoretical understanding of how SDMX works (SDMX information model, content-oriented guidelines, SDMX infrastructure and IT tools) and how it can be implemented
 - ❖ **Duration:** Approximately 2 hours to complete



Evaluation SDMX Foundation Course

Overall Rating



Learners' Interest in SDMX Tools





SDMX Tools Course

- Developed by ADB in collaboration with UNSD, SIAP, and ESCAP, with comments from the BIS and ILO
- **Description:**
 - Overview of SDMX tools for common scenarios and use cases
 - Overview of the features and demonstrations on how to use (1) SDMX Constructor, (2) Fusion Metadata Registry, and (3) SDMX Converter for selected use cases
- **Target learners**
 - Statisticians, IT professionals, and other staff involved in the production, collection, dissemination, exchange, and general management of statistical data and metadata
- **Prerequisite:**
 - Knowledge on basic concepts of SDMX (recommended to have taken the SDMX Foundation Course on ADB eLearn)

The screenshot shows a web browser window displaying the ADB eLearn course page for the SDMX Tools Course. The page features a dark blue sidebar with navigation icons and a main content area with a white background. The course title "SDMX Tools Course" is prominently displayed at the top, followed by a breadcrumb trail: Home > Courses > Capacity development > SDMX Tools. Below this, the "Course Description" section is visible, featuring logos for ADB, United Nations Statistics Division, ESCAP, and SIAP. The text welcomes participants to the course and provides an overview of the course content, target learners, and prerequisites. A "Need help?" button is located in the bottom right corner of the content area.



SDMX Tools Course

- **Course Objectives:**

- Provide an overview of SDMX tools and its purpose, use cases, and comparisons for user guidance
- Provide a comprehensive guide for tool usage, including installation, features, functions, and output

- **Content:**

- Module 1: Overview of IT Tools

- ❖ **Expected outcome:**

- ✓ Knowledge on available SDMX tools
 - ✓ Understanding of which tools can be considered depending on organizational goals, needs, or priorities

- ❖ **Duration:** Approximately 1.5 hours to complete



SDMX Tools Course

- **Content (cont'd):**

- Module 2: Discussion and Demonstration of Specific SDMX Tools

- ❖ **Expected outcome:**

- ✓ Knowledge of the features and functions of the SDMX Constructor, Fusion Metadata Registry, and SDMX Converter

- ✓ Hands-on experience on the selected SDMX tools

- ❖ **Duration:** Approximately 3 hours to complete

- **Overview of the Select SDMX Tools**



- SDMX Constructor**

- data modeling, creating and customizing SDMX artefacts



- Fusion Metadata Registry**

- storage, maintenance, and exports of SDMX artefacts



- SDMX Converter**

- converting and validating non-SDMX file to an SDMX format file



SDMX Tools Course

COURSE GO



15 November 2023 until 15 December 2023

- Modules will be released on:
 - Module 1 on 15 Nov 2023 (UTC 00:00)
 - Module 2 on 22 Nov 2023 (UTC 00:00)
- Self-paced learning
- Discussion Forum
- Platform: ADB eLearn (Moodle)
- Certificate upon completion of course
- Lecture type videos, quizzes and hands-on exercises
- Free for all



Visit Course at

<https://elearn.adb.org/course/view.php?id=443>

OR

Scan to enroll





ONLINE TRAINING COURSE on Statistical Data and Metadata eXchange (SDMX) Tools



Scan to enroll



LEARN and COLLABORATE

Participate in the 1-month online training. Classes will start on 15 November 2023

Enroll at <https://elearn.adb.org/course/view.php?id=443>
Learner's Guide at <https://elearn.adb.org/mod/book/view.php?id=10142>

Questions? Contact us at sdmx@adb.org



SDMX Constructor



Fusion Metadata Registry



SDMX Converter



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ADB





How to Access the SDMX eLearning Courses in ADB eLearn

- **Prerequisites:**

- Learners must have an active account on <https://elearn.adb.org/>
- Kindly refer to the user guide for instructions on how to register, log in, self-enroll, and access the SDMX courses:
<https://elearn.adb.org/mod/book/view.php?id=10142>

- **SDMX eLearn Courses:**

- SDMX Foundation Course:
<https://elearn.adb.org/course/view.php?id=486>
- SDMX Tools Course:
<https://elearn.adb.org/course/view.php?id=443>



Thank you

Reach out to us at sdmx@adb.org

For products and services of the
Statistics and Data Innovation Unit
Asian Development Bank
visit: <https://www.adb.org/what-we-do/data/economic-social-statistics>

