Statistical Database Design and Visualization Tools Development Training

Date: 11-12 December 2013   **Venue: SESRIC Headquarters, Ankara - Turkey**

11 December 2013	
09:00 – 09:30	**Registration**
09:30 – 10:00	**Introduction and General Overview by the Director of Publication and IT**
10:15 – 11:00	**Database Design** ➢ **Relational Database Systems and the Life Cycle** • General definition of Database System will be stated • Information system life cycle • How to design Database System will be demonstrated?
11:00 – 11:15	**Coffee Break**
11:15 – 12:00	➢ **Database Management Principles** • Construction • Manipulation • Sharing • Protection • Maintenance
12:00 – 14:00	**Lunch and Prayers**
14:00 – 14:30	➢ **What Makes a Good Database?** • Data storage needs having been met • Data is readily available to the end-user • Data being protected through database security …
14:30 – 14:45	➢ **Statistical Database Requirements Analysis** • Objectives of the Statistical Database will be described. • The Design of a Statistical Database will be given. • Quick description of the kinds of data in statistical database will be briefed.
14:45 - 15:00	➢ **Statistical Data Uploading** • **Demonstration will be given from the BASEIND database.**
15:00 – 15:15	**Coffee Breaks**
15:15 - 16:00	➢ **XML** • What is XML? • What made XML necessary? • What does XML provide? • XML with favorite programming language • XML Data Structure for SMC

12 December 2013	
09:30 - 10:00	**Visualisation Tools Development** ➤ **Visualisation Tools Essentials** • The Trend Toward Visualization based Data Discovery Tools • The Struggle to Make Meaning Out of Big Data • Key Features of Visualization-based Data Discovery Tools • Protecting Data Quality
10:00 - 10:15	➤ **Flex in Visual Programming** • What does it do? • Enterprise-class programming model • End-to-end tooling • Server integration • How it works?
10:15 - 10:30	➤ **Time Series Statistical Data Visualization** • Example will be given from BASEIND Time Series
10:30 – 10:45	**Coffee Break**
11:00 - 12: 00	➤ **SESRIC SMC Source Code Analyzing** • Platform Independency Issues will be described • Customization Issues will be briefed • Technology of SMC