

**Name:** COCOMO II & COCOTS Spreadsheet

**Presenter(s):** Ye Yang

**Objective:** The COCOMOII & COCOTS spreadsheet application had been developed to estimate cost, schedule, and effort to support both new project components (COCOMOII), and COTS components. It combines all cost, schedule, and effort, required to complete the project based on both COCOMO II and COCOTS models.

**Rationale:** At present, COCOTS is designed as an amalgam of three related sub-models, each addressing individually what we have identified as the three primary sources of COTS software integration costs. These are costs due to the effort needed to perform: (1) candidate COTS component assessment, (2) COTS component tailoring, and (3) the development and testing of any integration or "glue" code needed to plug a COTS component into a larger system.

**Target Users:** This tool is designed for Project Managers or estimators looking to estimate the costs associated with COTS-based software development.

**Scope:** Cost and schedule estimates of COTS-based application development.

**Project Type:** Multi-year USC-CSSE research project

**Runs On:**

- Windows 95, 98, NT, 2000, XP
- Microsoft Excel (Enabled Macros)

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**Developers:**

Model Principle: Dr. Chris Abts, Dr. Barry Boehm

Tool Development: Maysinee Nakmanee

**Future Directions:** Elaborate on model inputs, outputs and add more features.