



# **Successful Estimating Processes Using the SLIM<sup>®</sup> API**

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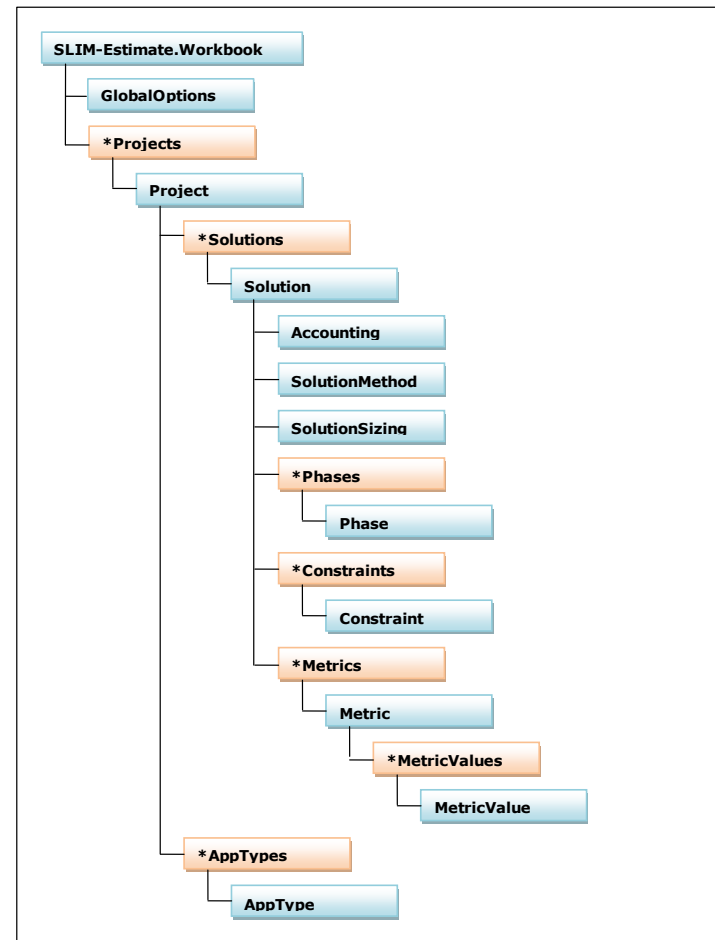
# Agenda

- API Overview
  - What is it
  - How is it used
  - What are the benefits
- API Implementation Examples
  - IBM – Carl Engel
    - Organization & Job Function
    - SLIM-Suite Implementation
    - SLIM API Implementation & Demo
  - State Street Bank – Scott Lancaster
    - Organization & Job Function
    - SLIM-Suite Implementation
    - SLIM API Implementation & Demo

# QSM SLIM API Overview

SLIM-Gateway is a **package** of **programming support tools**. It enables 3<sup>rd</sup> party and customer-developed applications to interface with the QSM tool suite.

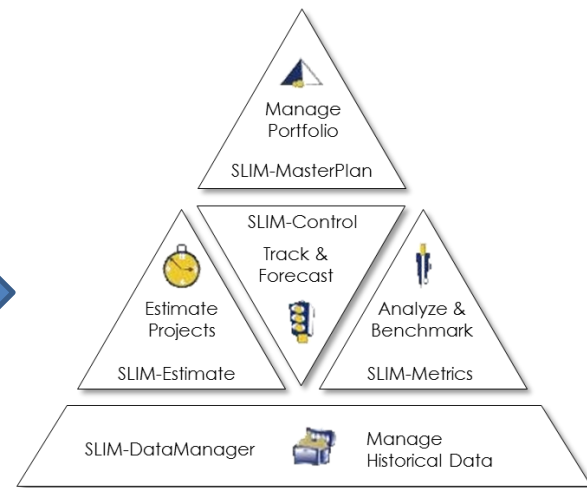
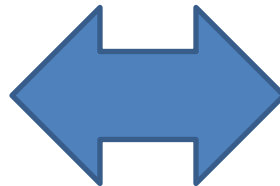
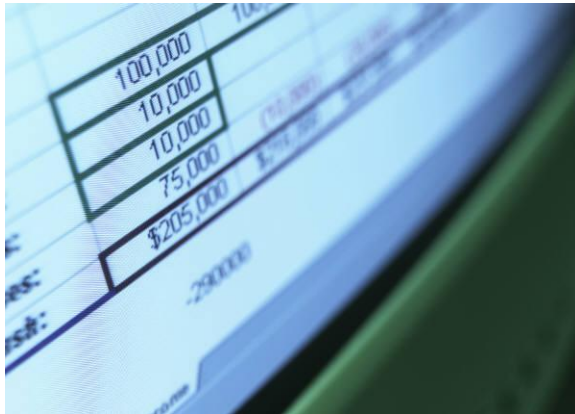
SLIM-Estimate Object Model:



# What is the SLIM API Used For?

The two most basic reasons for using the SLIM API is to:

- Seamlessly **move data** between applications
- and
- Leverage the power of the **SLIM-Suite** calculating engine.



# SLIM-API Benefits

- Leverages existing technology infrastructure
- Easily integrates with existing MS Office Apps
- Promotes ease of use through existing familiar technology
  - Spreadsheets, web sites, etc...
- Exploits the calibration and configuration capabilities of the SLIM-Suite
  - But hides the complexity via configured estimation templates

# Example of SLIM API Integration

Inputs

API  
Integration

Estimator	Ensure No Errors. Select Run SLIM-Estimate using button on bottom of Tab 1. Send Results to Requestor.
Reporter of Historical Data	Complete Tabs 2, 3, and 12. Optionally complete Tab 7. Ensure no overlap in phases. Send DCF to Regional Coordinator: EMEA Central: Michaela Rennecke; EMEA NEWS: Steen Bagger; NA: Harold Rostoker; LA: Fabio Feijo Asia Pac: Takashi Kikuchi

- [Tab 1](#) General Instructions
- [Tab 2](#) Project Information Sheet and Productivity Questions
- [Tab 3](#) Calculation of Size: Solution, Scenarios, Processes and RICEFW objects
- [Tab 6](#) Work Breakdown Structure - Distribution of Effort to Organizational Units
- [Tab 7](#) Estimator Notes
- [Tab 10](#) Distribution of Effort to Skills of Application and NetWeaver consultants
- [Tab 12](#) Phase Level Details – effort and duration data collection sheet – **historical data collection phase only**
- [Tab 13](#) Guidelines for Complexity of Processes and RICEFW
- [Tab 14](#) Distribution of Development Skills for RICEFW
- [Tab 15](#) Release Notes and Version Control
- [Tab 16](#) Resource Lists - SAP, Partner and Customer

Check Errors

Run SLIM-Estimate

Generate Reports

Create XML Output

Code: 12-Feb-07

SLIM-Estimate Template

**Estimates will be based on this template (keep path short):**  
C:\PREDICT\SLIM\_Estimate\_IMP\_SAP\_Only\_v3.60\_15MAY2007.sew

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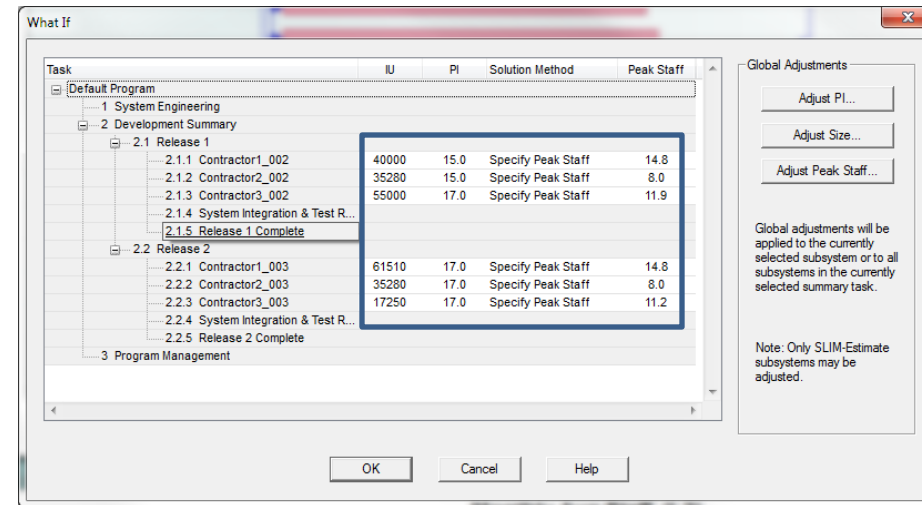
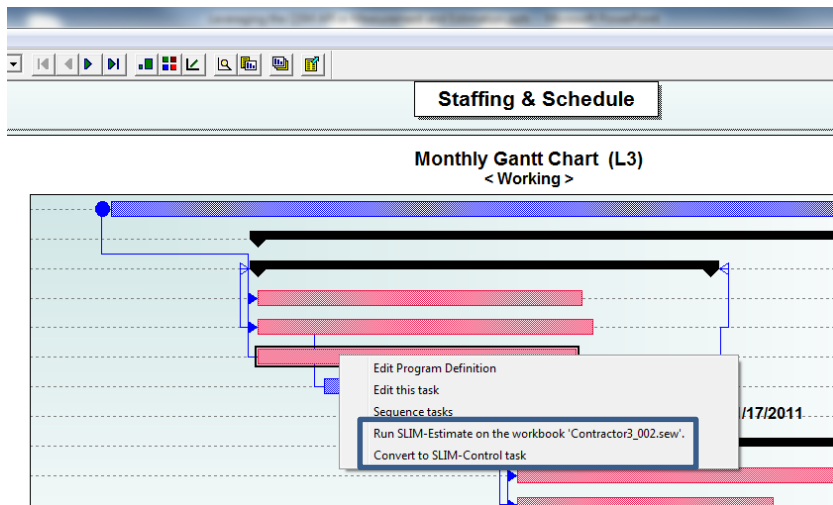
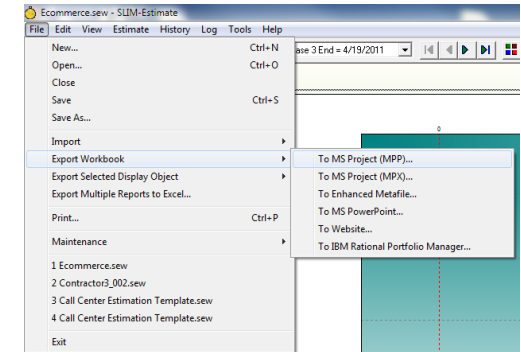
Last Estimate and Report

**Last SLIM-Estimate workbook (keep path short):**  
C:\Documents and Settings\l807973\My Documents\SAP Engagements\ITTPREDICT Info\ITTV1\_ITTV1.sew  
**Created on:**  
05-Dec-07

**Last Excel reports workbook:**  
C:\Documents and Settings\l807973\My Documents\SAP Engagements\ITTPREDICT Info\ITTV1\_XR.xls  
**Created on:**  
5-Dec-07

# QSM Uses of the SLIM API

- Export to Microsoft Project
- SLIM-MasterPlan
  - Drilldown to SLIM-Estimate & Control
  - Global What-if



# API Implementation

- Customer can implement with local resources
  - Programming skills needed:
    - Familiarity with object oriented programming
      - comfortable thinking in terms of objects, properties, methods and, to a lesser extent, events
    - Architecture is similar to Microsoft Office API's and object models
    - QSM example code is expressed in Visual Basic but any Windows supported language can be used
      - Examples – VB (Script), C++, C#, Perl, Java (Script)
    - Microsoft .NET platform is supported but not required
- QSM offers API implementation services

# QSM Customer Presenters

- Carl Engel – IBM Global Services
  - Estimating Program Manager
  - Responsible for deploying performance benchmarking and estimating processes, methods and tools
  - IBM certified Executive Project Manager & PMP
  - 30 years or program and project management experience
- Scott Lancaster – State Street Bank
  - Heads Estimation Center of Excellence
  - Established standard estimation and tracking practices across IT based on industry best practice approaches
  - 22 years of experience in the technology industry and is a certified PMP and SLIM Estimation Professional

# Contact QSM

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