

# CMMI Project Estimations

## Effort Estimations According the CMMI Level 2 Requirements

Leading  
to success

### Specific Goals and Practices in the Project Planning (PP) area (Level 2)

- SG 1 Establish Estimates [PA163.IG101]
- SP 1.1 Estimate the Scope of the Project
- SP 1.2 Establish Estimates of Work Product and Task Attributes

### How to address these required Goals and Practices?

Many organisations have developed practices and established processes for effort estimations. However, the results of these efforts require continuous care and maintenance. How to compare one estimation with another? How to know in advance what is a good estimation and which ones probably not? How to build a history of past estimations and actuals and to use them for the current challenges?

### Keep it simple

The Euro Project Office has developed a method to establish new estimations based on existing organisational know-how and past experiences with similar projects. In order to compare the cost of software projects with different scope, we use cost driver profiles. Depending what cost driver has high or low ratings, we know how much they have influenced the cost of the software project and can compute the impact of cost drivers using multivariate regression analysis. Each project estimations thus is associated with its unique cost driver profile, as shown in the figure below..

Proposal  
Management

Product  
Development

Project  
Office

Supplier  
Management

Change  
Management



