Welcome to the TPM MASTER PROGRAM METHODS DATABASE

In this database you will find methods and techniques from the TPM masters; Engineering Policy Analysis (EPA), Management of Technology (MOT) and Systems Engineering and Policy Analysis (SEPAM), as well as general methods and techniques that you can use to do your master thesis project. Methodology is a critical element of your MSc thesis project, and determines the rigor of your research. During your master program you learned many different methods, concepts and techniques, but you might have lost overview of what you can use in your MSc project. Therefore this website offers you the overview of your 'toolbox' the methods and techniques that you learned in your studies, and that you can potentially use to perform your MSc research. To choose a method we refer you to the Lemma ChoosingAMethod. We also ask you to share your experiences in this portal; when you used a method or technique, share your tips and insights in the comments field.

EPA

EPA methods and techniques are classified among four pillars:

- Policy Analysis
- Economics
- Systems Modelling
- Management

AdaptivePolicyMaking
BounceCasting
BowTieAnalysis
ChiSquareTest
CostBenefitAnalysis
CriticalPathMethod
DescriptiveStatistics
DiscreteEventSystemsSpecification
DiscreteEventSimulation
EarnedValueAnalysis
EconometricAnalysis
EnvironmentalAssessment
ExploratoryModeling
FactorAnalysis
GroupDecisionRoom
InductiveStatistics
ModelingAndSimulation
MultipleRegressionAnalysis
OneWayAnalysisOfVariance
PolicyAnalysisFramework
PolicyScorecard
ProjectCostEstimation
ProjectRiskAnalysis
QuantitativeRiskAnalysis
QueuingTheory
RiskAssessmentMatrix
RiskResponseStrategies
SafetyScienceAndRiskAnalysis
ScenarioApproach
StudentTTestForDifferenceInAverages
StudentTTestForKnownAverage
MOT

MOT methods and techniques are classified among two pillars:

- Managing Technology
- Organization and Management

SEPAM

SEPAM methods and techniques are classified among three pillars:

- Ethics and Law
- Multi Actor System Design
- Strategic Management in Engineering

General

Here you will find general methods and techniques for scientific analysis and design.