

INTRODUCTION

THEORY AND METHODS

Data handling and validation

Parameter estimation

Uncertainty analysis

Local sensitivity analysis and identifiability analysis

METHODOLOGY AND WORKFLOW

Data consistency check using elemental balance and a degree of reduction analysis

Parameter estimation workflow for non-linear least squares method

Parameter estimation workflow for the bootstrap method

Local sensitivity and identifiability analysis workflow

Uncertainty analysis using the Monte Carlo method and linear error propagation

ADDITIONAL EXAMPLES

ADDITIONAL CONSIDERATIONS