Part I Qualitative model Packages (biODYM) ODYM framework Packages (ODYM) Load ODYM via local path. ODYM_classes plotly.graph_objects - Install packages via pip terminal ODYM_functions ipywidgets and load via "import" in notebook. dynamic_stock_model xlsxwriter matplotlib.pyplot scipy.stats System aspect Time System aspect Elemer - Model initiating routines are very Dimension = Time (t) IndexTable rigid, so no need to change a lot. If more Elements (e.g. Nitrogen) Items = MyYears Items = Good, Carbon or more years should be considered, they can be easily - System components (P, F, S) Define Processes (P) have no values yet but empty - ODYM data base is the model ProcessLis foundation. The further procedures always refer to it. Define Flows (F) P_Start & P_End FlowDict Indices Define Stocks (S) **ODYM** data base StockDict Indices

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