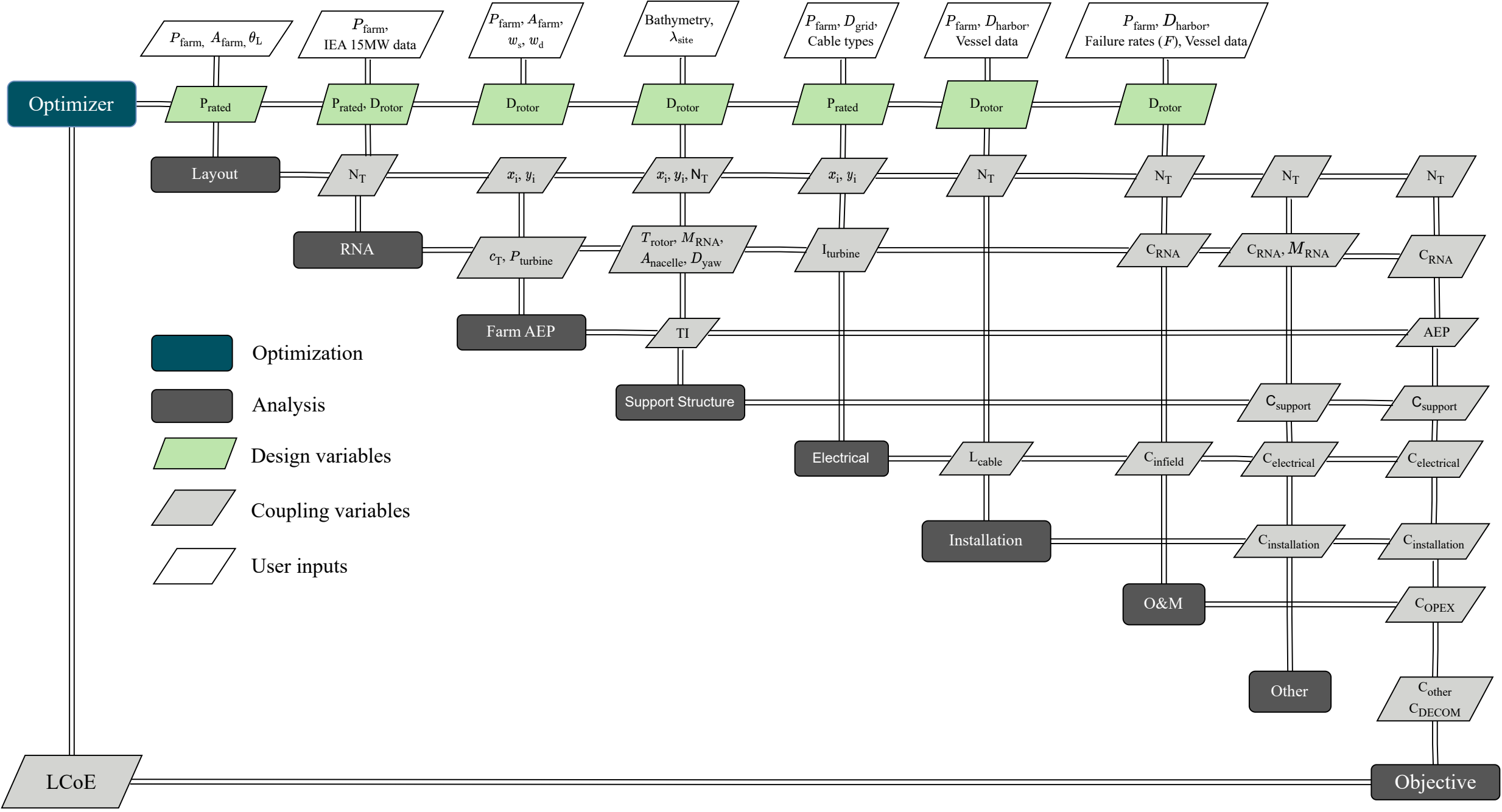
P_{farm}, A_{farm}, θ_L
P_{farm}, IEA 15MW data
P_{farm}, A_{farm}, w_s, w_d
Bathymetry, λ_{site}
P_{farm}, D_{grid}, Cable types
P_{farm}, D_{harbor}, Vessel data
P_{farm}, D_{harbor}, Failure rates (F), Vessel data
Optimizer
P_{rated}
P_{rated}, D_{rotor}
D_{rotor}
D_{rotor}
P_{rated}
D_{rotor}
D_{rotor}
Layout
N_T
x_i, y_i
x_i, y_i, N_T
x_i, y_i
N_T
N_T
N_T
N_T
RNA
c_T, $P_{turbine}$
T_{rotor}, M_{RNA}, $A_{nacelle}$, D_{yaw}
$I_{turbine}$
C_{RNA}
C_{RNA}, M_{RNA}
C_{RNA}
Farm AEP
TI
AEP
Support Structure
$C_{support}$
$C_{support}$
Electrical
L_{cable}
$C_{infield}$
$C_{electrical}$
$C_{electrical}$
Installation
$C_{installation}$
$C_{installation}$
O&M
C_{OPEX}
Other
C_{other}
C_{DECOM}
Optimization
Analysis
Design variables
Coupling variables
User inputs
LCoE
Objective