# EAST-ADL Example: Brake system

- EAST-ADL is used to specify the functionality of the braking system in an electronic vehicle. Use of EAST-ADL enables automating dependability and error analysis.
- Tools used include MetaEdit+ for EAST-ADL, HiPHOPS
- Parts of EAST-ADL applied:
  - Requirements
  - Features
  - Functional Analysis
  - Functional Design
  - Hardware Architecture
  - Dependability
  - Error model
  - Allocations
  - Environment
- Sample model on Environment model and allocation matrix which combines together the Design Functions and Hardware Architecture components.
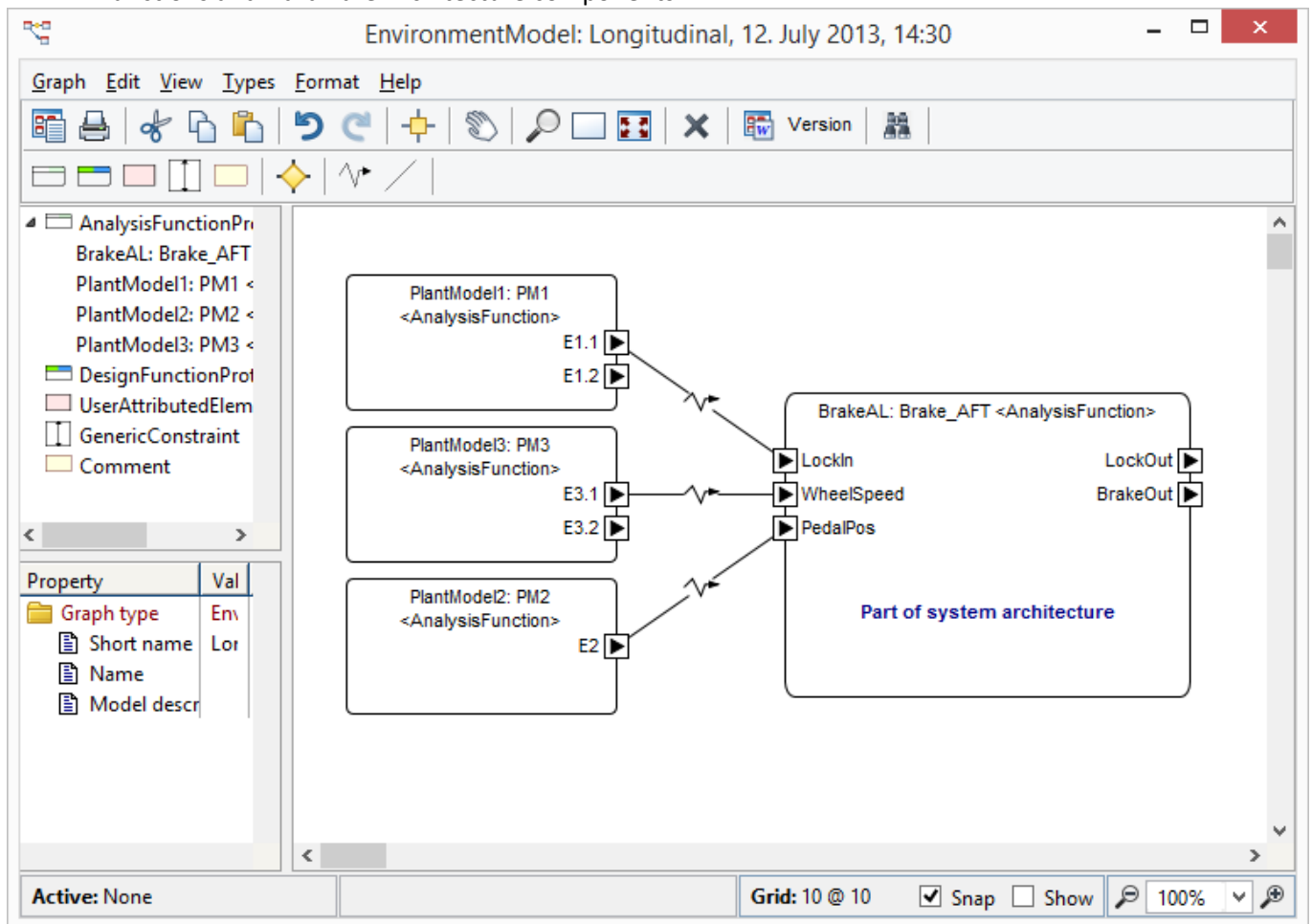
AllocationMatrix: BrakeAllocation, 12. July 2013, 14:30

Graph Edit View Types Axis Cell Format Analysis Help

	ECU_central: FlexECU <Node>	ECU_FL: FlexECU <Node>	ECU_FR: FlexECU <Node>	ECU_
GlobalBrakeController: GlobalBrak	✖ FunctionAllocation			
BrakePedalMgr: BrakeTorqMap <[	✖ FunctionAllocation			
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