

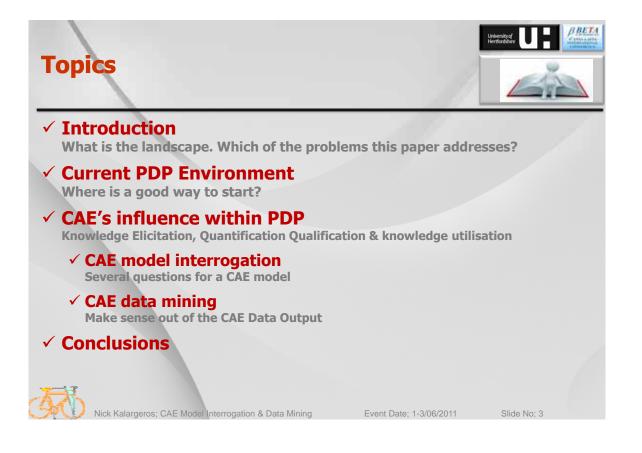
BSc (Hons), PGCE, MA, MSc, PhD, FIMechE, CEng Principal Lecturer / Subject Group Leader Innovation Design and Realisation

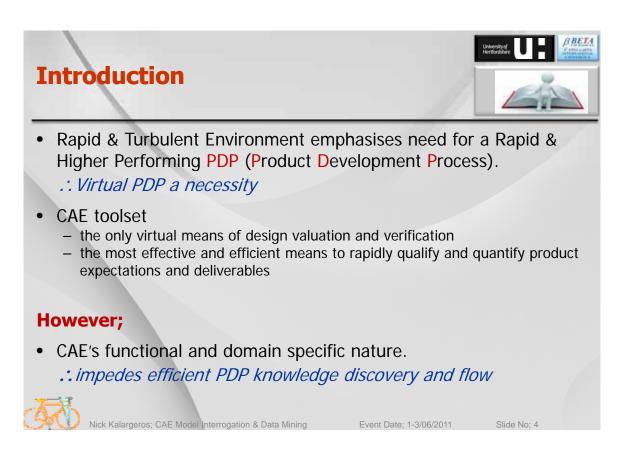
B BETA

"A rt without engineering is dreaming; Engineering without art is calculating."

> "The greatest deception men suffer is from their own opinions."

Leonardo da Vinci





Introduction

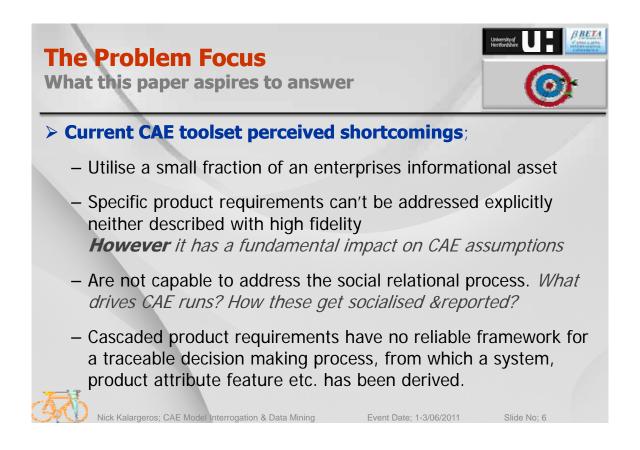


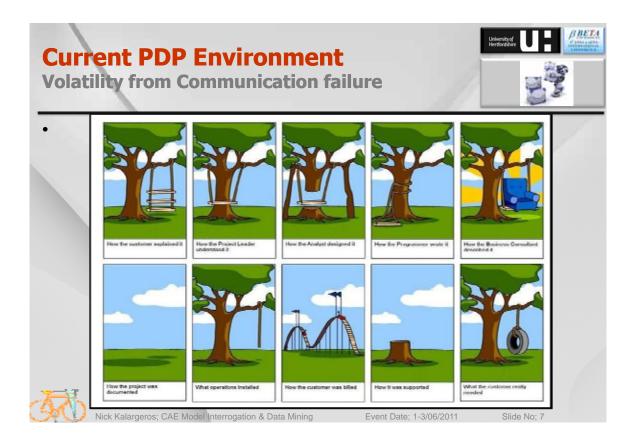
Slide No; 5

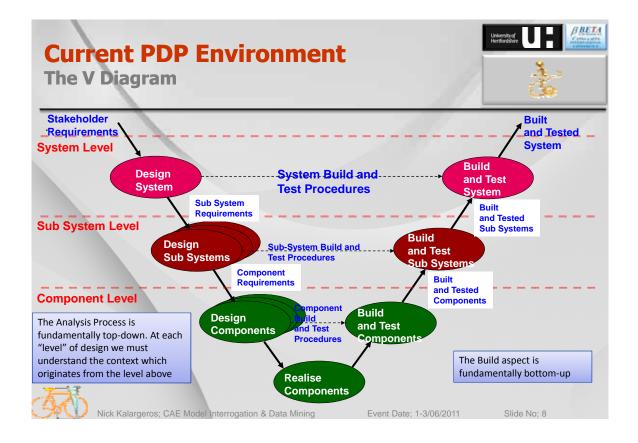
- PDP's foundation is based on comprehension & availability of product specific knowledge amongst all the stakeholders.
- Comprehension & Availability of Product specific knowledge is via;
 - Acquisition, Processing, Elicitation, Encapsulation, Representation, Validation & Verification
- PDP knowledge is created & established mainly via;
 - Direct engagement & use of every PDP stakeholder specific know-how
 - The acquisition of current and potential future customer needs
 - The direct mapping of all the customer & business needs at all the necessary PDP development layers.

Event Date; 1-3/06/2011



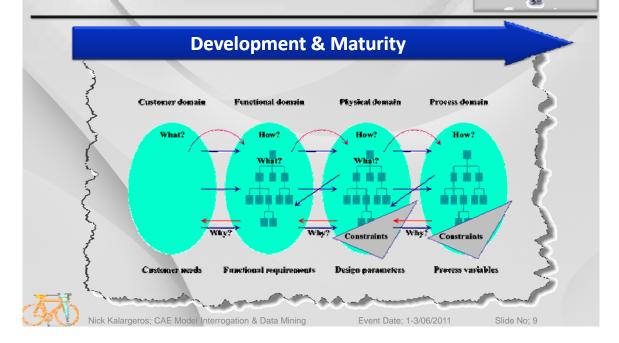


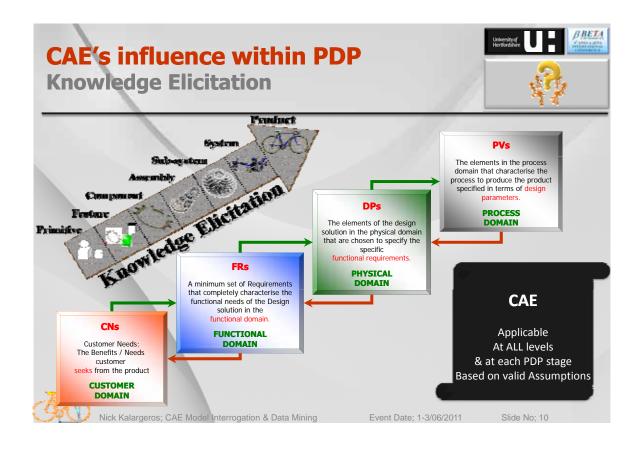


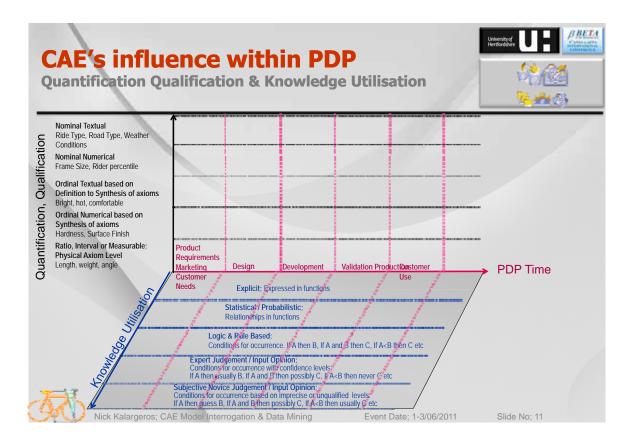


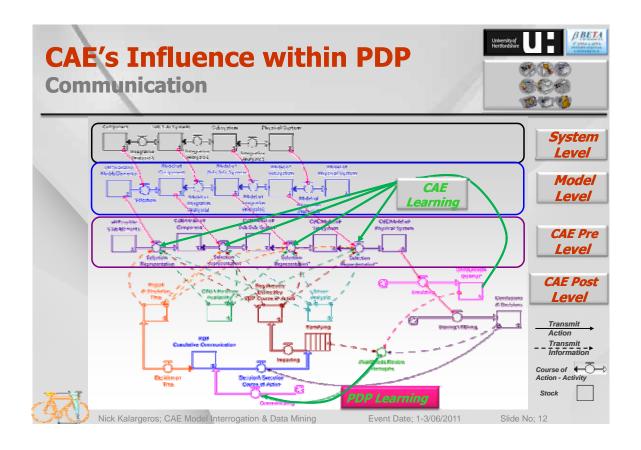


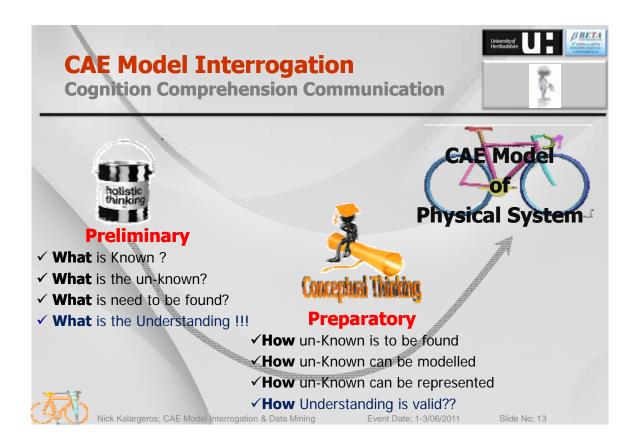




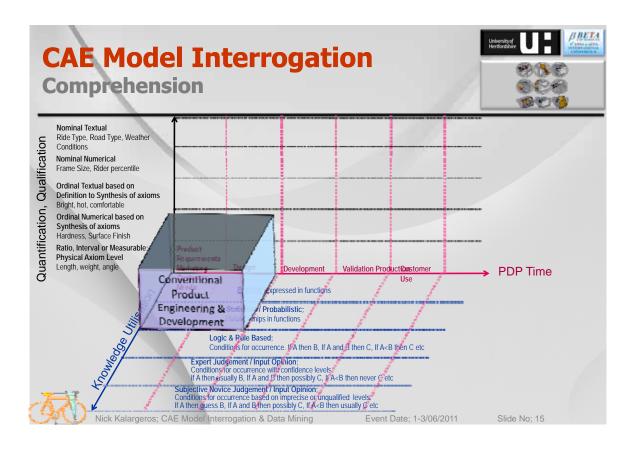


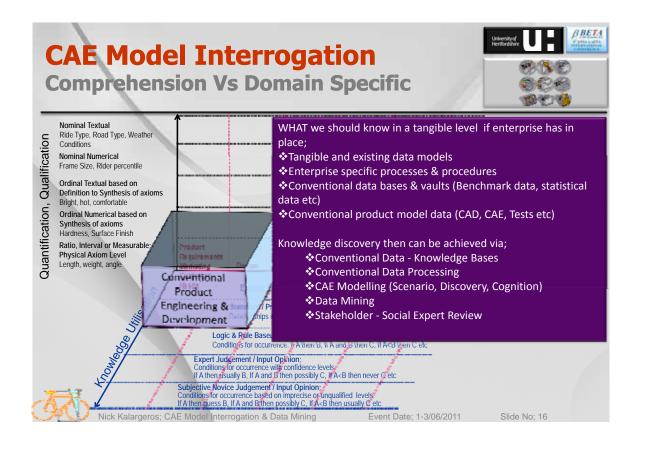


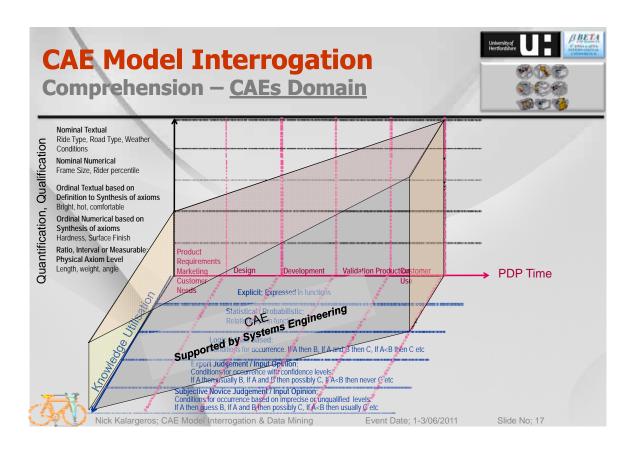


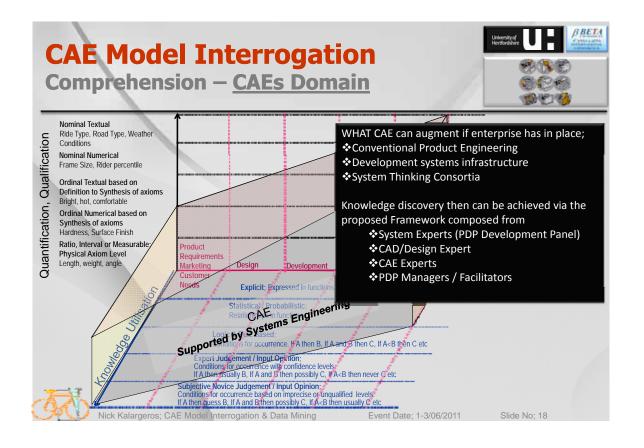


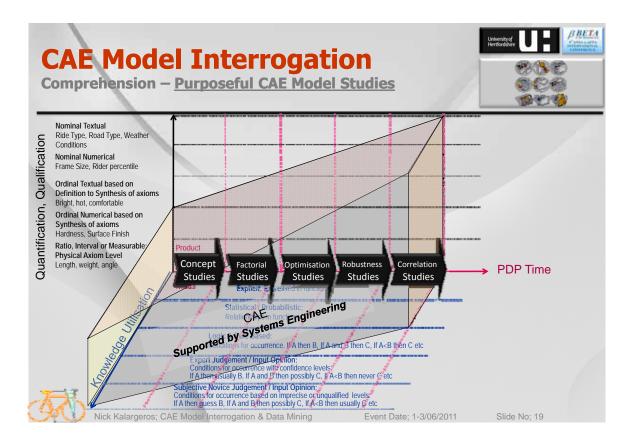
BETA **CAE Model Interrogation Cognition Comprehension Communication** The challenges faced by CAE Model - What one understands What one models CAE's How one chooses to represent such understanding Assumptions What one deduces from the Simulation Output What one wants to communicate A blessing - What one communicates (contained message) & - How this message is seen in context A curse What one relates to as a conclusion - What one elicits as information, knowledge & experience argeros; CAE Model Interrogation & Data Mining Event Date; 1-3/06/2011 Slide No; 14

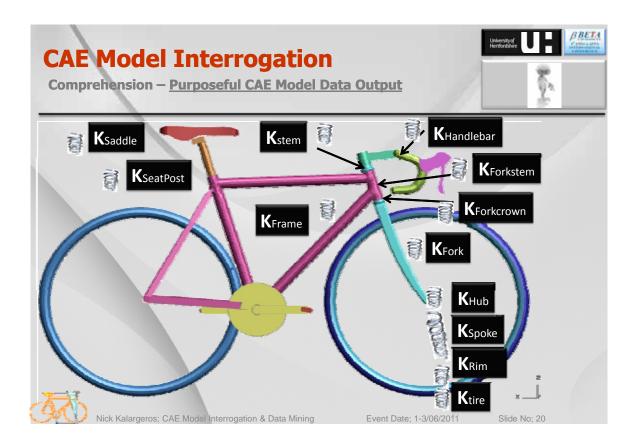


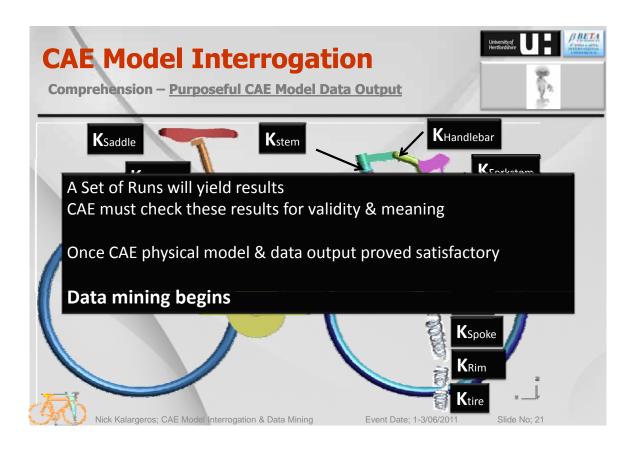


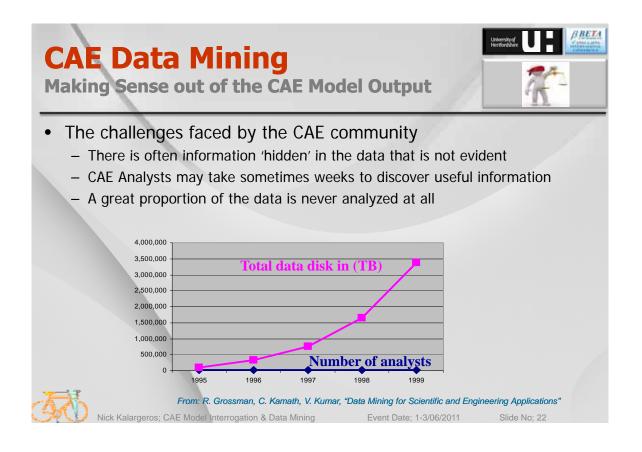














CAE output underpins numerous informational augmentations & inferences ∴Good CAE practice a well thought combination of factors

