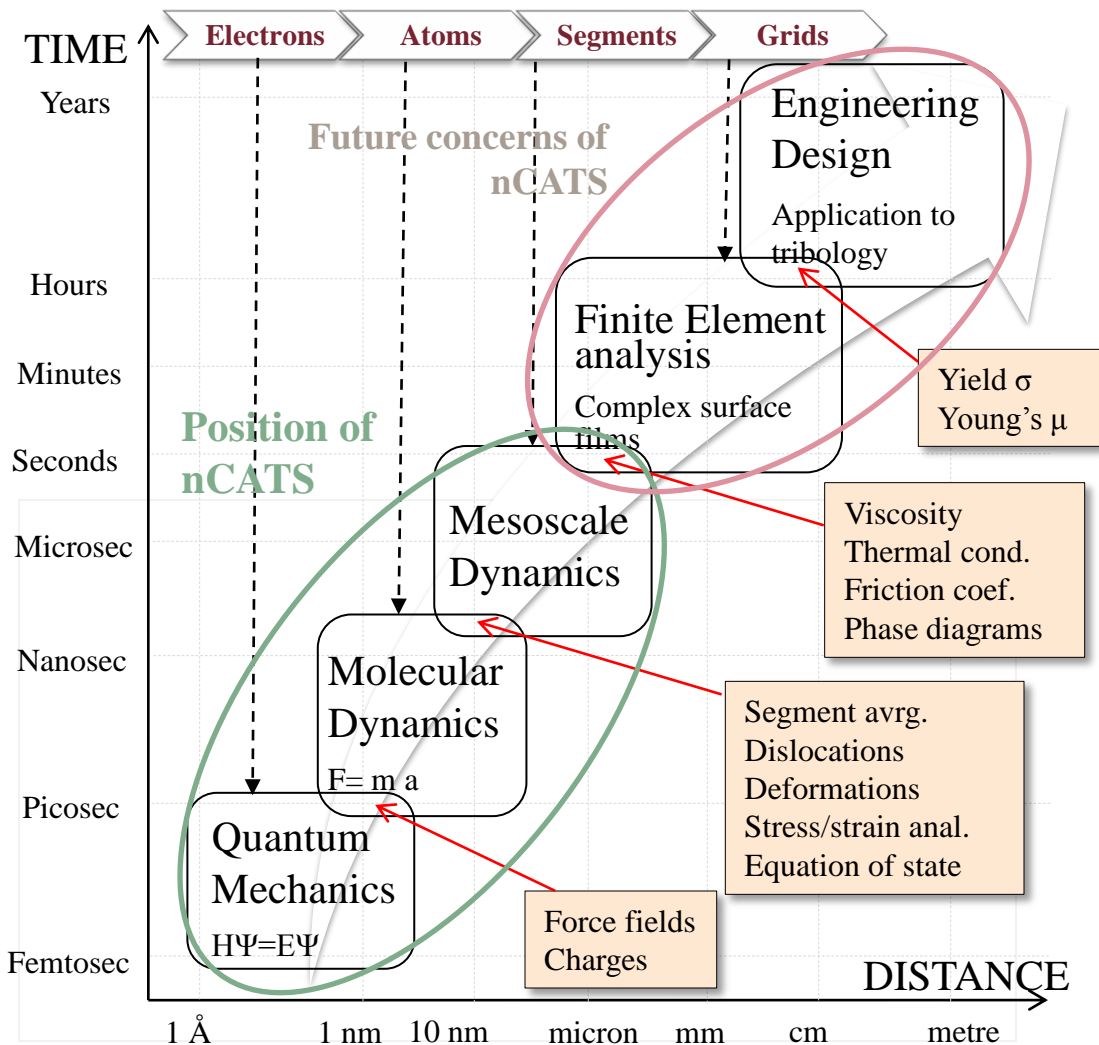


## Multi-scale modeling hierarchy for TriboSimulations



### **national Centre for Advanced Tribology, Southampton (nCATS)**

is capable of performing QM, MD and coarse-grain and mesoscale simulations for tribological processes.

This will allow numerical analysis and engineering design for tribo-materials.

### **Design of mechanical engineering materials and tribology materials**

- Tribochemical reactions
- Nano-tribology
- Traction oil, engine oil
- Novel lubrication systems
- Anti-wear systems
- Nano-fabrication