



GOVERNOR'S BUSINESS FORUM
AI FOR ENERGY

WHERE AI WOULD HAVE BEEN HELPFUL

My Past Experience with Complex Problems



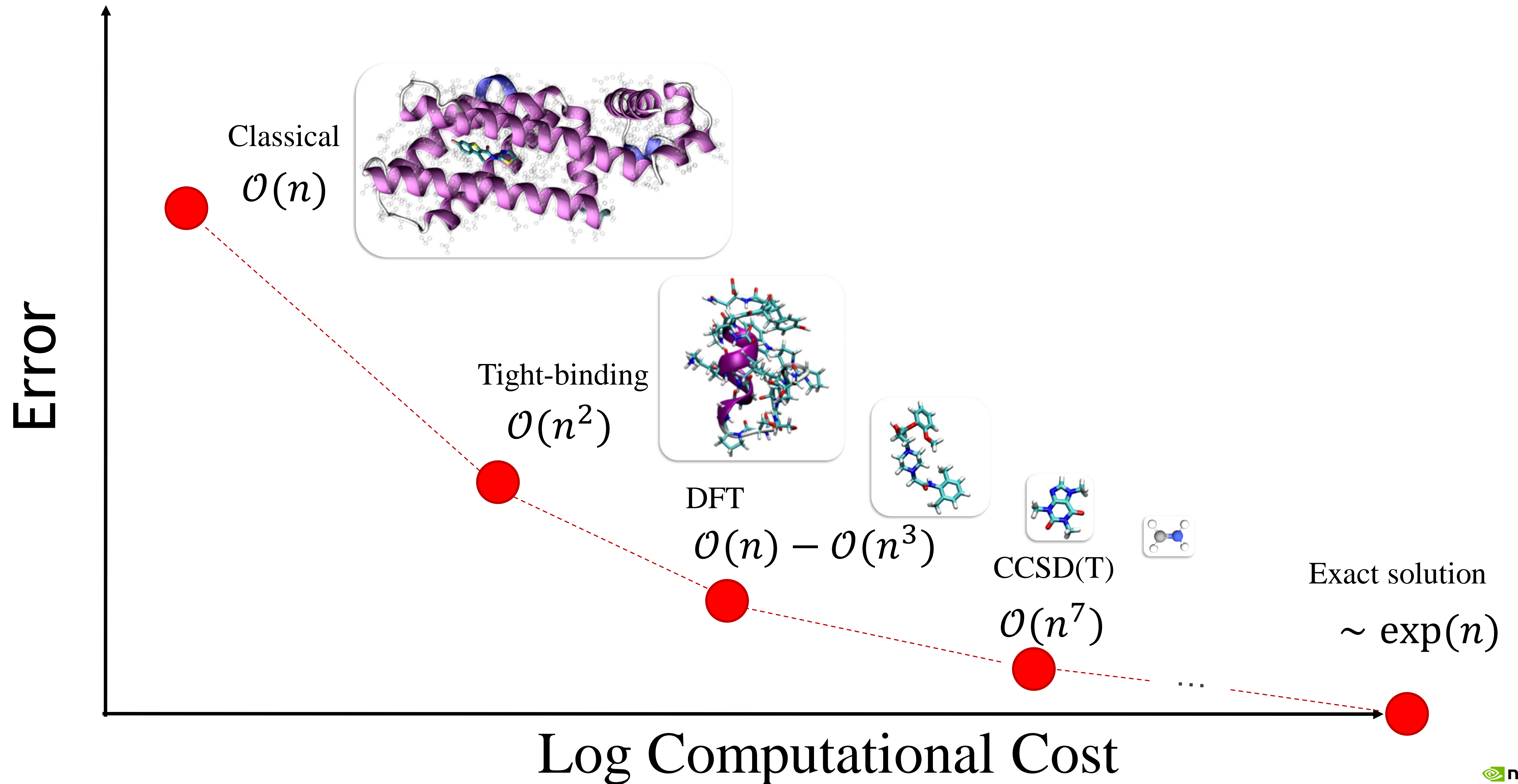
Fire Control System on the F14 Tomcat



Making the B2 Stealthy

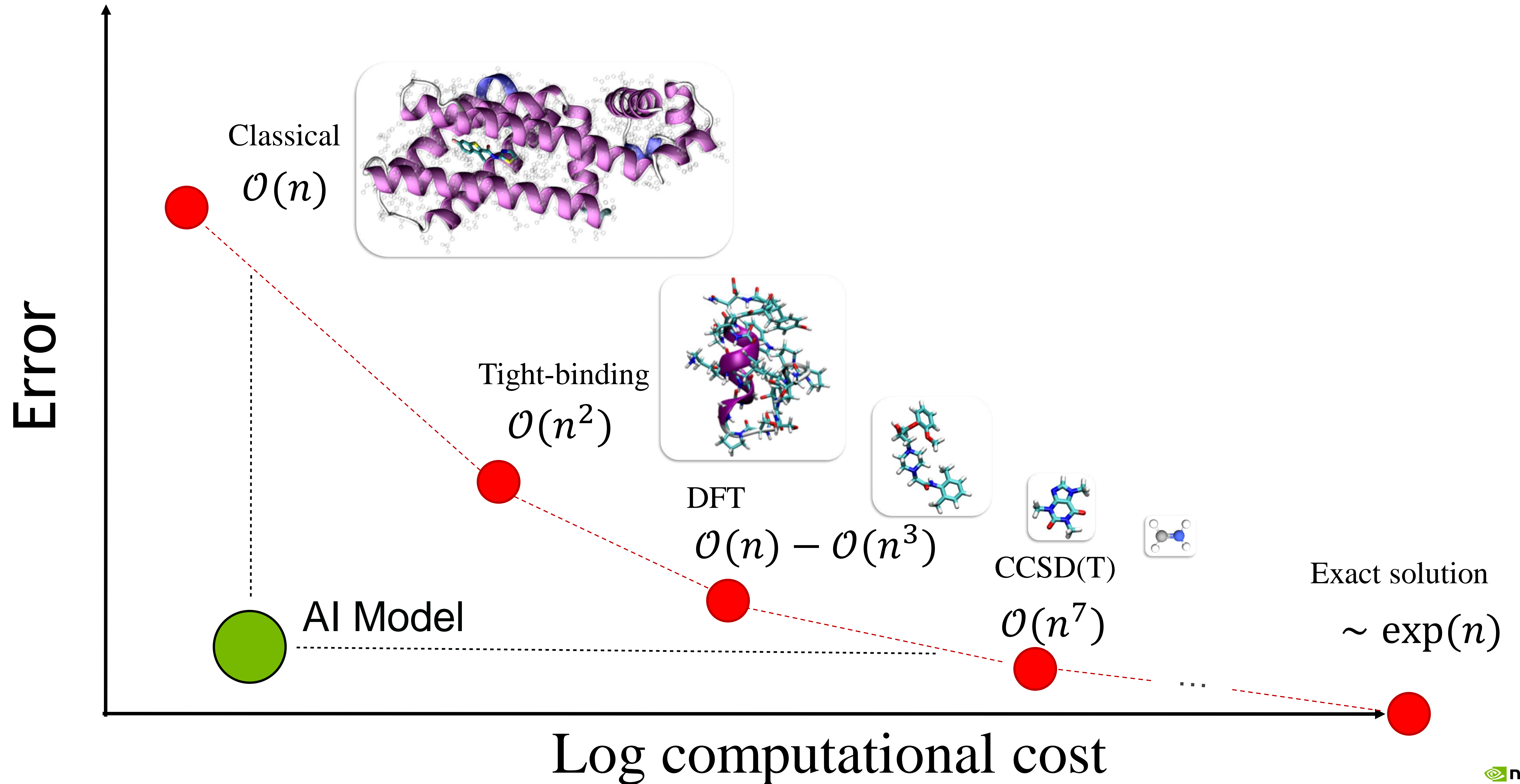
AI ADDRESSES NEW USE CASES FOR SCIENCE AND ENGINEERING

Conventional Models are Too Expensive to Model Full Scale or Be Applied to Control Systems



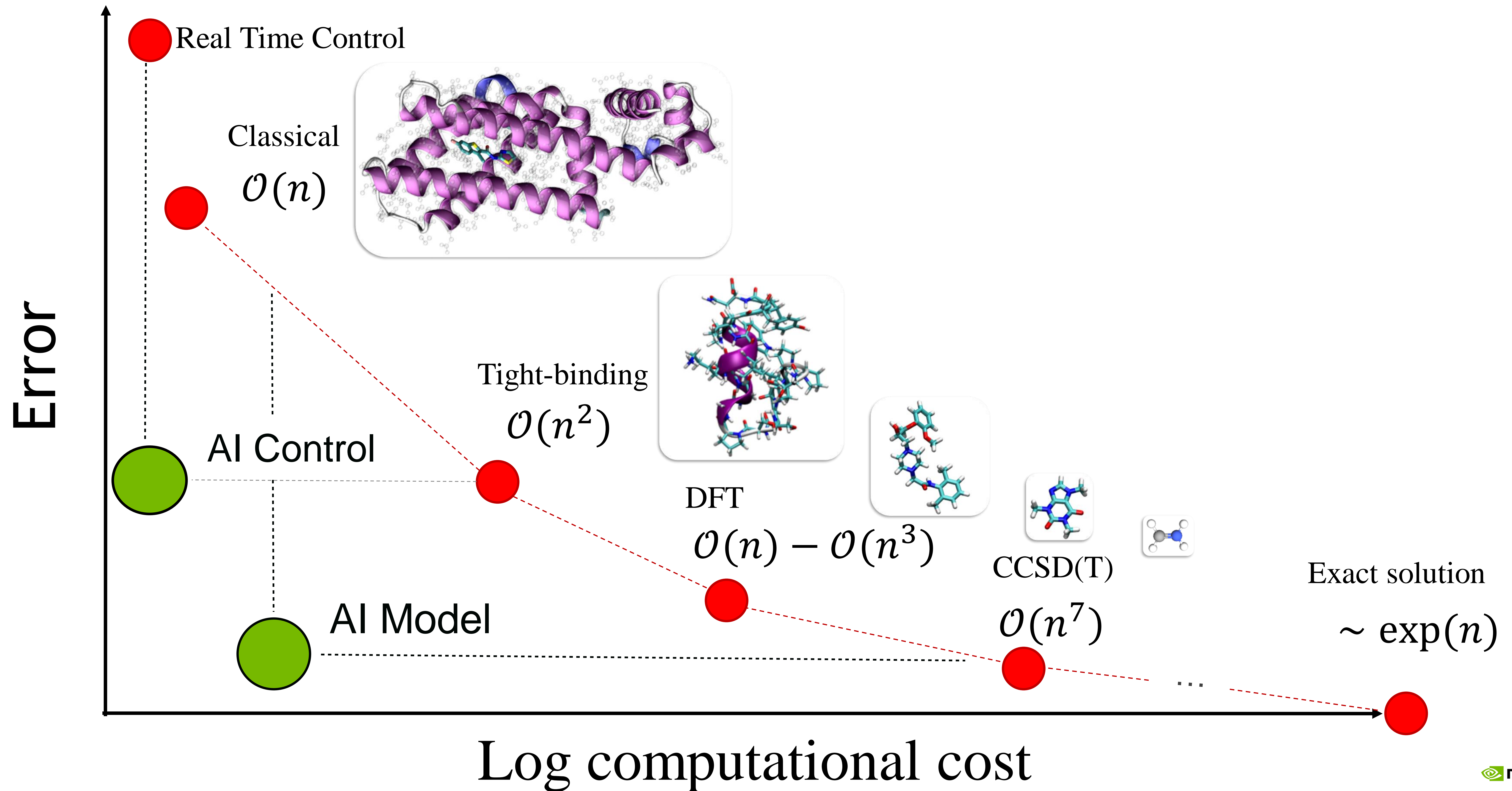
AI ADDRESSES NEW USE CASES FOR SCIENCE AND ENGINEERING

Quantum Accuracy at Cost for Physical Scale Models



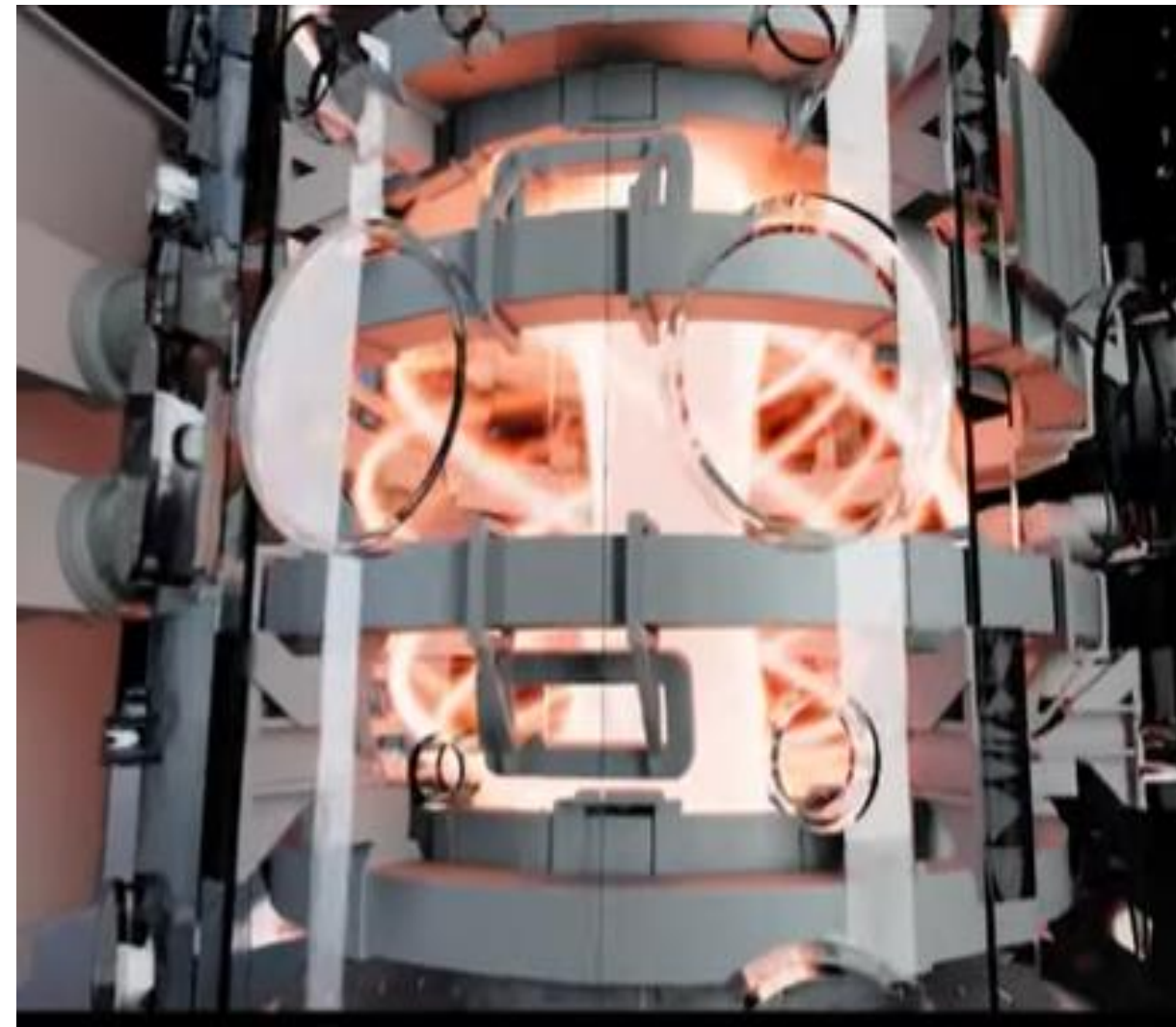
AI ADDRESSES NEW USE CASES FOR SCIENCE AND ENGINEERING

Accuracy with Unprecedented Scale AND Bridge the Gap Between Simulation and Real-Time

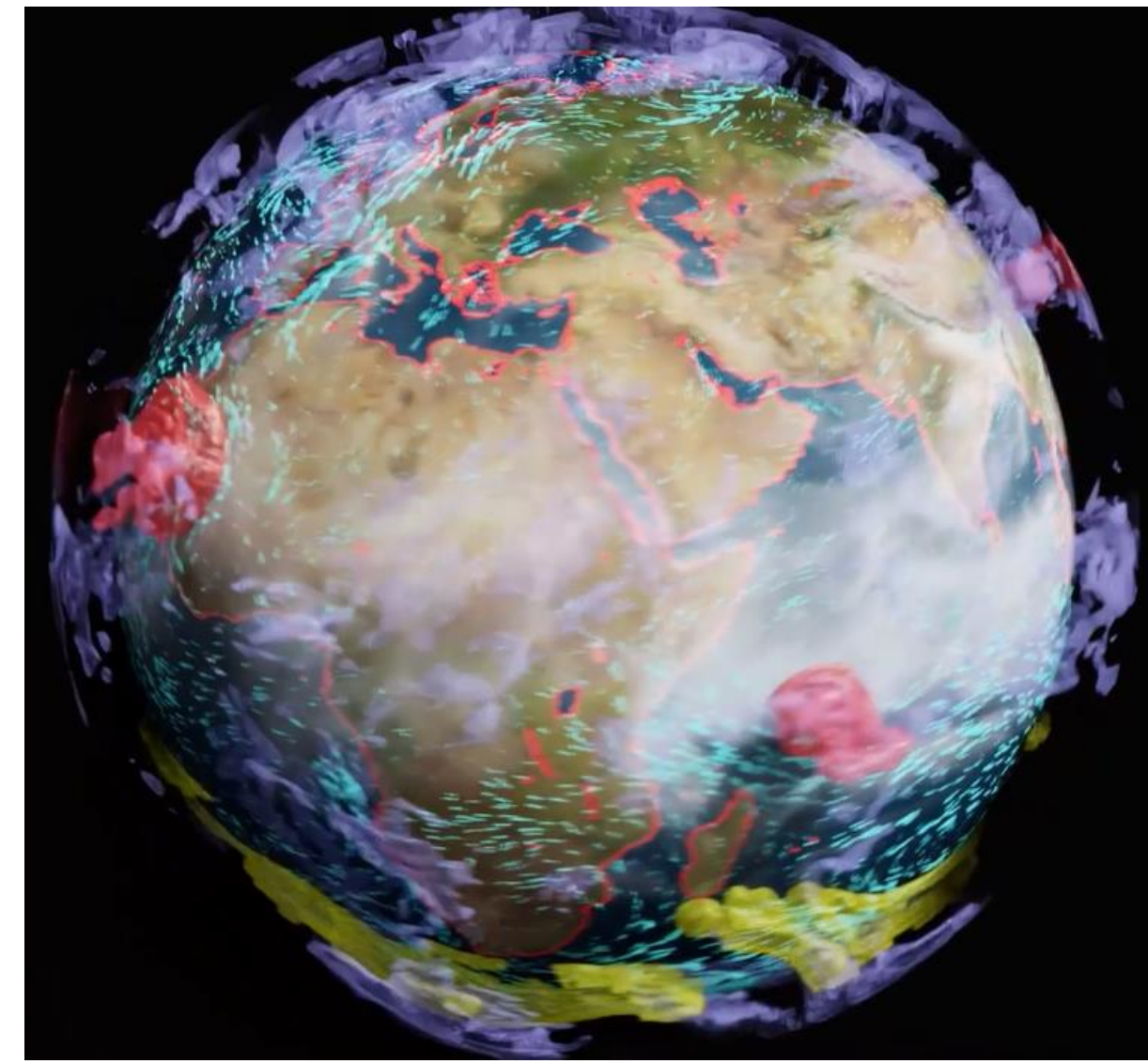


EXAMPLES OF AI FOR GRAND CHALLENGE SCIENCE

Helping to Solve Important Problems for Climate, Energy and Food Supply



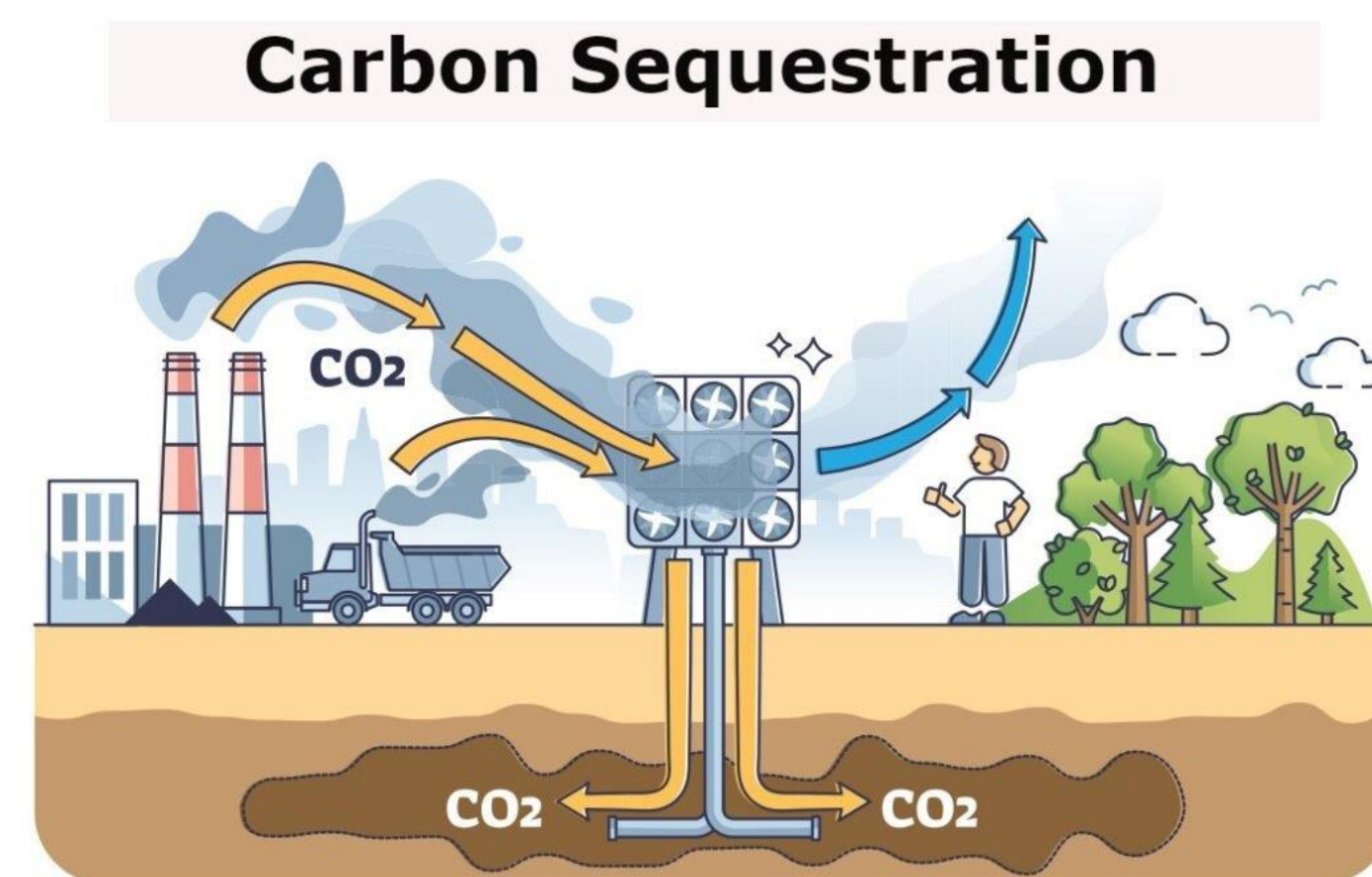
Towards Real time Fusion Reactor Design
Generative AI to Predict Disruption



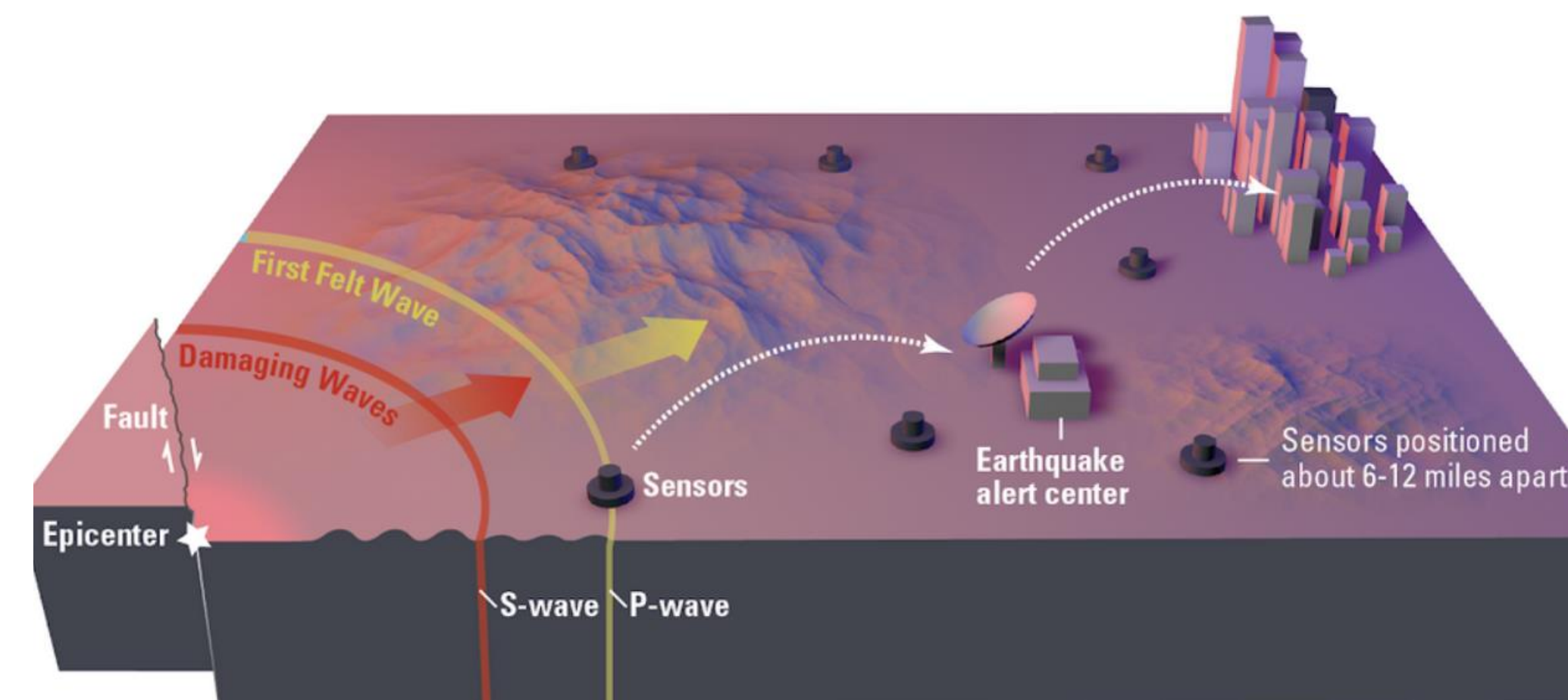
Destination Earth
AI for Good FourcastNEt



Forecasting Power for the Grid



Modeling Crystal Filters for Carbon Sequestration



Complex Geophysics Models
Earthquake Early Warning SCEC



AI for Energy Efficient Agriculture

FUSION WORKFLOW USING AI MODELS

