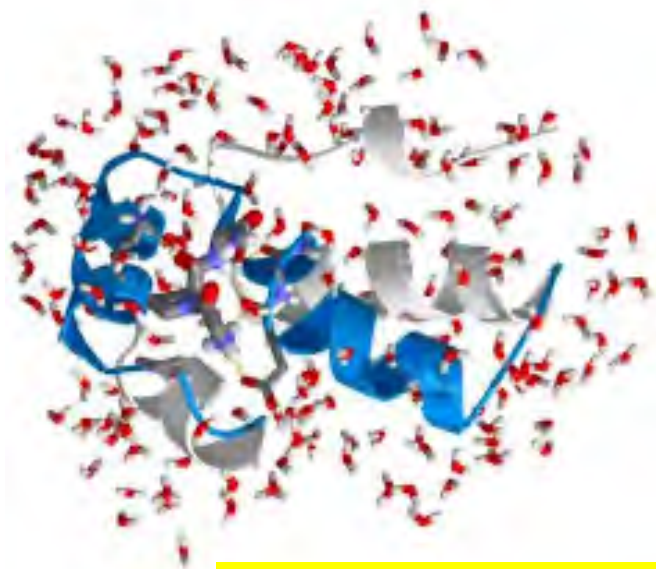


# Traditional HPC Applications in Science

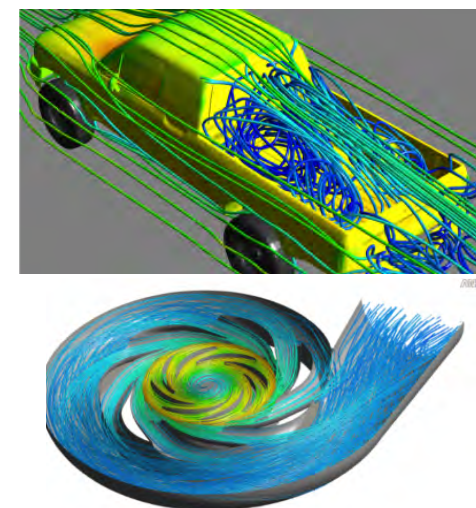
Protein Simulation



Weather and Climate Forecast



Computational fluid dynamics



## Computation-oriented Simulation based on Scientific Models

[Source]  
[https://www3.mpibpc.mpg.de/groups/de\\_groot/compbio1/p2/index.html](https://www3.mpibpc.mpg.de/groups/de_groot/compbio1/p2/index.html)

[Source] <https://www.cray.com/blog/hpc-solutions-unlocking-new-climate-and-weather-research-capabilities/>

[Source] <https://caeai.com/ansys-software-support/ansys-software/computational-fluid-dynamics-ansys-cfx-and-fluent-cfd-software#slideshow-1>