(dedicated?) *Analysis Facilities* ("Data HPC/Data Cloud")

Multiple Tools (other data)

(*"Traditional"*) *HPC Platform*

Earth System Model Simulation

post-processing (& analysis)

Initial condition or checkpoint

(periodic) output physical variables

Multiple Tools, Visualisation

Final check point

download

Reformatting, Sub-setting, Downloading, Processing.

ESGF Earth System Grid Federation

Cloud Computing

(*Distributed/Federated?*) *Internet Archives* (*Servers/Public Clouds*)

Multiple Roles, at least:
Model Developer, Model Tinkerer, Expert Data Analyst, Service Provider, Data User