Software Environment

Environment Modules (Lmod) are used to configure your environment for many pieces of installed software on greenplanet, including compilers and MPI environments.

To see a list of available packages, type:

```
ml spider
```

To load a specific package/version, type: `ml modulename/versionnumber`. The 2020.1 release of the Intel Compilers is:

```
ml intel/2020.1
```

To see which modules are currently loaded:

```
ml
```

If you wish to make your settings default for all login sessions and jobs, place your ml commands in ~/.bashrc. If you want to use them just in a specific job, add them to the job script.

Some pieces of software may be installed to `/sopt` on the cluster (shared opt) and not be configured in modules. Other packages that were modules previously may now be provided by the OS.

Note: it is highly recommended to a have `ml purge` at the beginning of the job execution portion of your slurm submission script. This clears out any accidental environments picked up from your login shell.