

## Current monolithic ICON structure

### ICON

#### Dycore

```
#ifdef OpenMP
! Specifically optimized code for CPU
#endif
#ifdef OpenACC
! Specifically optimized code for GPU
#endif
#ifdef NEC
! Specifically optimized code for NEC Aurora
...

```

#### Radiation

```
#ifdef OpenMP
! Specifically optimized code for CPU
#endif
#ifdef OpenACC
! Specifically optimized code for GPU
#endif
#ifdef NEC
! Specifically optimized code for NEC Aurora
...
...

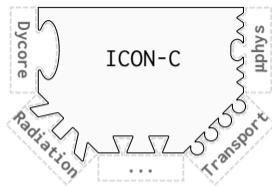
```

## Envisioned modular ICON-C design

### Dycore modules



### Radiation modules



### Transport modules



### μphys modules

