choose blocks



choose_blocks are what in programming languages is known as a select case or switch statements

Fortran

```
SELECT CASE (<selector>)
    CASE (<pattern-1>)
        statements-1
    CASE (<pattern-2>)
        statements-2
END SELECT
```

Bash

esac

```
case <expression>
    case <pattern-1>)
        statements-1
    case <pattern-2>)
        statements-2
```

Matlab

```
switch <selector>
  case <pattern-1>
     statements-1
  statements-2
end
```

ESM-Tools

```
choose <selector>:
     \langle case-1 \rangle:
          statements-1
          statements-2
```

choose_ blocks

Use

• in any yaml file, but normally in the configuration files

Purpose

allows to control a full set of configurations under one single selector variable

Example

```
fesom-2.1.yaml
choose_icb_code:
    True:
    add_namelist_changes:
        namelist.config:
        icebergs:
        use_icebergs: "${use_icebergs}"
        use_icesheet_coupling: "${use_icesheet_coupling}"
        steps_per_ib_step: 8
```

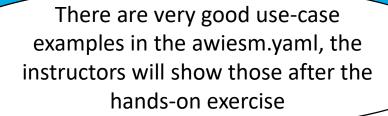
your_runscript.yaml

fesom:

icb code: True

choose_ blocks

Syntax





Allows for selecting a case based on variables in a different section

general computer <model name> (i.e. echam, fesom, ...)

• Allows to set an statement if the value does not match a case

- if the selector variable does not match any case, use the statement indented under "*"
- optional