interimR Documentation

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CHAPTER 1

Installation

1.1 Before we start

interimR requires

- a python3 environment:

```
conda create -n forcing
source activate forcing
conda install numpy netcdf4 configparser
```

- the ECMWF python API. You need to register and put obtained key in $HOME/.ecmwfapirc (see howto_access_dataset). Then install API with pip (check for updated version):

```
pip install https://software.ecmwf.int/wiki/download/attachments/56664858/ecmwf-
↪api-client-python.tgz
```

- cdo (available with most package managers)

1.2 Install interimR

Clone from github and run the install script:

```
git clone https://github.com/raphaeldussin/interimR.git
python setup.py install
```

CHAPTER 2

Usage

2.1 Setting up your interimR

interimR is installing configuration files into $HOME/.interimR

Open the user.opts and add a new entry corresponding to your setup. You can add as many entry as you need.

2.2 Commands

- **get forcing files for the chosen period in your entry::** interimR-get-ERAinterim <your-entry>
- **get land/sea mask::** interimR-get-maskERAinterim <your-entry>
- **process ERAinterim::** interimR-process-ERAinterim <your-entry>
- **process DFS 5.2::** interimR-process-DFS52 <your-entry>

CHAPTER 3

Indices and tables

- genindex
- modindex
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