Installation for disperseR on hopper

https://github.com/HAQ-Lab/disperseR\_on\_hopper/wiki/2.-disperseR-from-the-command-line

**First load the modules for the required dependencies:**

module load r/4.0.3-hx libxml2/2.9.10-ej doxygen/1.8.20-g6 proj/7.1.0-7x netcdf-cxx4/4.3.1 libjpeg/9d-re gdal/3.2.2-ai geos/3.7.2-2a udunits/2.2.28-mc libiconv/1.16-y3 pcre/8.44-hy libgeotiff/1.6.0-sx libpng/1.6.37-3x curl/7.74.0-4t ffmpeg/4.2.2-ey

**Next run R and install with:**

> devtools::install\_github("Xiaorong-Shan/disperseR@dev-sherry", args = c('--library="~/R"'), force = TRUE, build\_vignettes = FALSE)

Run disperseR on hopper

cd HAQ\_LAB/xshan2/disperseR\_sherry/

srun -p normal --mem 30g -t 0-04:00 -c 1 -N 1 --pty /bin/bash

module load gnu10/10.3.0

module load openmpi

module load netcdf-c netcdf-fortran parallel-netcdf

module load r/4.1.2-dx

R

library(disperseR)

disperseR::create\_dirs('/projects/HAQ\_LAB/xshan2/disperseR\_sherry')

disperseR::create\_dirs('/projects/HAQ\_LAB/xshan2/disperseR\_Lucas')

proc\_dir <- '/scratch/xshan2/disperseR\_sherry/main/process'

dir.create(proc\_dir)

disperseR on Linux

export R\_LIBS\_USER=~/R/empty

export R\_LIBS\_USER=~/R/local-disperseR-packages

module load gnu9

module load r-disperseR/0.1.0

disperseR::create\_dirs('/projects/HAQ\_LAB/xshan2/disperseR\_Linux')

proc\_dir <- '/scratch/xshan2/disperseR\_Linux/main/process'

module list

install.packages("USAboundaries", repos = "http://packages.ropensci.org", type = "source")