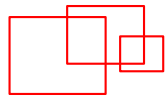


Task / Module

Intermediate output layer

Final output layer

1st phase



Irregular Tiling System (ITS)



Regular Tiling System (RTS)

flow accumulation / r.watershed
stream segment extraction / r.stream.extract
basin delineation / r.stream.basins (a)

flow accumulation
stream segments
basins

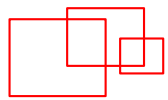
remove truncated basins (b)
remove truncated flow accumulation

entire basins
entire flow accumulation

merge entire flow accumulation (c)

global flow accumulation

2nd phase



ITS

streams segment extraction / r.stream.extract
basin & sub-catchment delineation / r.stream.basins (d)

stream segments & flow direction
basins & sub-catchments

remove truncated basins & sub-catchments (e)
remove truncated stream segments
remove truncated flow direction

entire basins & sub-catchments
entire stream segments
entire flow direction

reclassify basins from 1 to n (f)

reclassified basins

mosaic flow direction (g)
mosaic reclassified basins
mosaic stream segments
mosaic sub-catchments

global flow direction

global reclassified basins
global stream segments
global sub-catchments

reclassify basins from 1 to n (h)
reclassify stream segments from 1 to n
reclassify sub-catchments from 1 to n

global unique basins
global unique stream segments
global unique sub-catchments



RTS