```
BaseDomain
   # old arid
   # current grid
   # null aridpt
   # t start
   # t end
   # dt
   # num times
   # num grid_1
   # num grid 2
   # current time index
   # PATH
   + BaseDomain()
   + BaseDomain()
   + get t start()
   + get t end()
   + get dt()
   + get_num times()
   + get num grid 1()
   + get num grid 2()
   + get null gridpt()
   + at()
   and 14 more...
    RectangularDomain
+ potential grid
- x start
x end
y_start
y end
+ RectangularDomain()
+ RectangularDomain()
+ get x start()
+ get_y_start()
+ get x end()
+ get y end()
+ generate_single_txt file()
+ update time()
+ reset()
+ ~RectangularDomain()
```