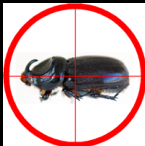


# Visualization of Trap Catch Data

Aubrey Moore

Guam Coconut Rhinoceros Beetle Eradication Project



Generated 2014-01-08 20:23:57

Path: C:/Documents and Settings/Administrator/My Documents/CRB monthly surveillance reports/map dev

R script: makeMaps.R

Brew file: makeBeamer.txt

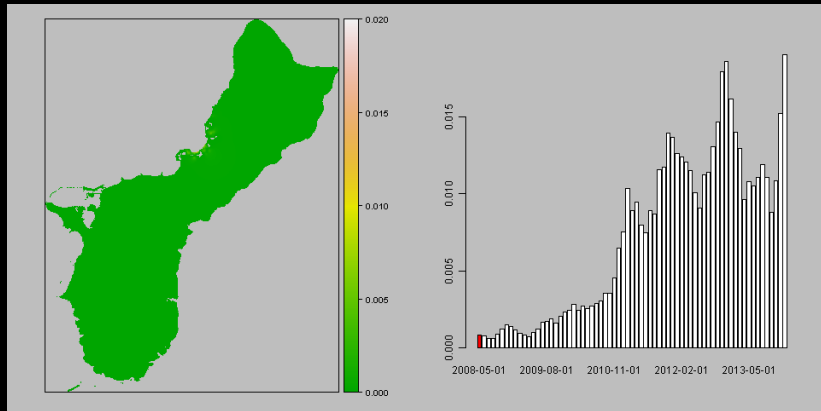
# Introduction

- ▶ The following frames show spatial-temporal changes in numbers of CRB adults caught in pheromone traps.
- ▶ Note that trap catches on Guam are very low: the scale runs from 0 to only 0.02 beetles per trap day, a trap rate of only one beetle every 50 days.

# Methods

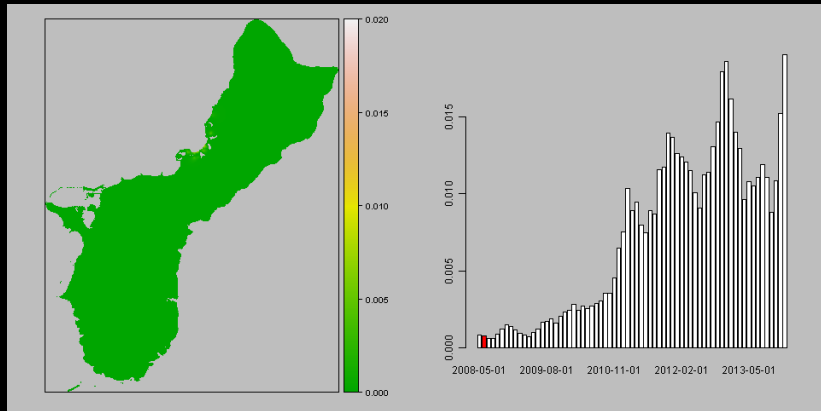
- ▶ Interpolated raster maps were made using an R script which:
  1. Accesses georeferenced data stored in the CRB project's online MySQL database.
  2. Processes the data using the GRASS6 GIS
  3. Writes the  $\text{\LaTeX}$  code which generated this PDF document.

# 90 day trapping period ending on 01 May 2008



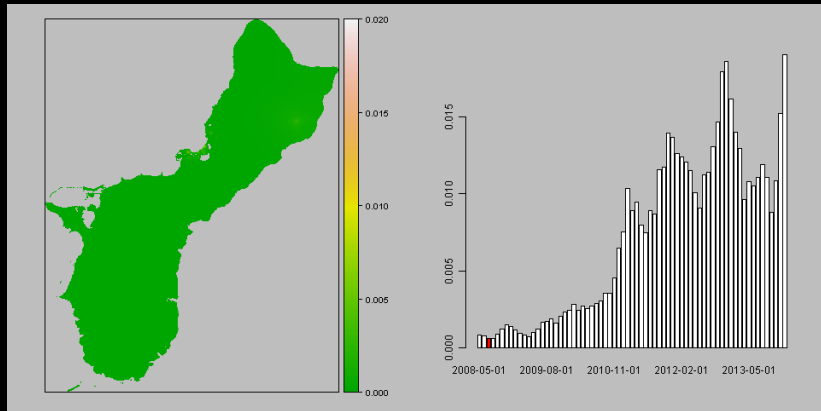
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jun 2008



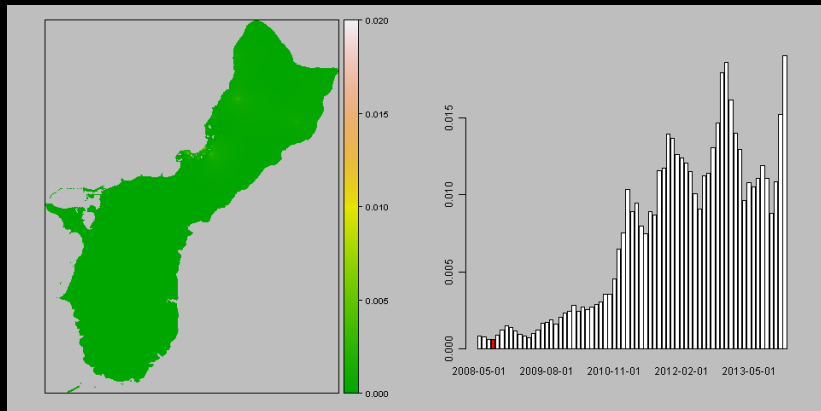
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jul 2008



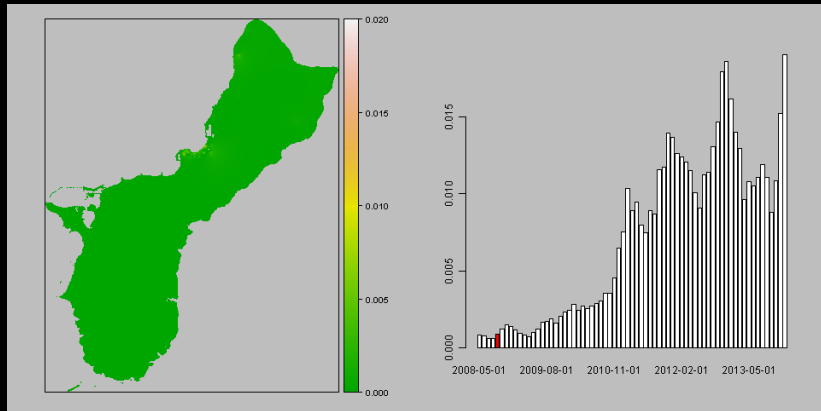
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Aug 2008



Mean number of beetles caught per trap-day

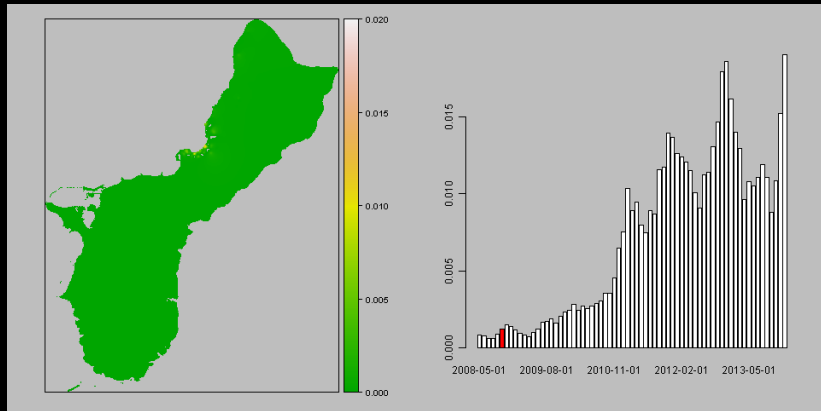
# 90 day trapping period ending on 01 Sep 2008



Mean number of beetles caught per trap-day

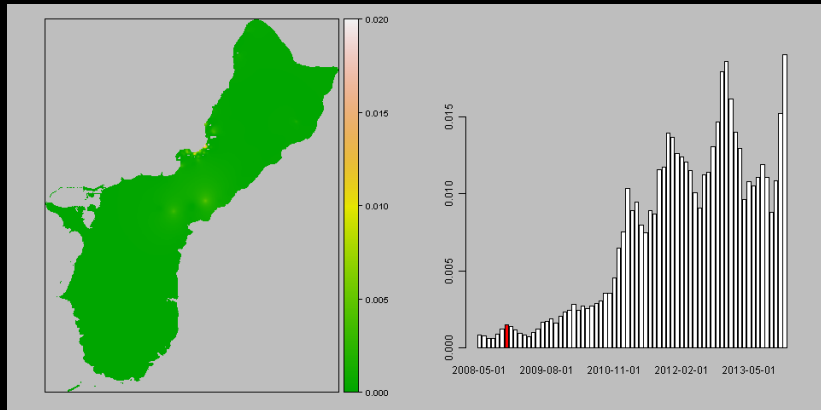


# 90 day trapping period ending on 01 Oct 2008



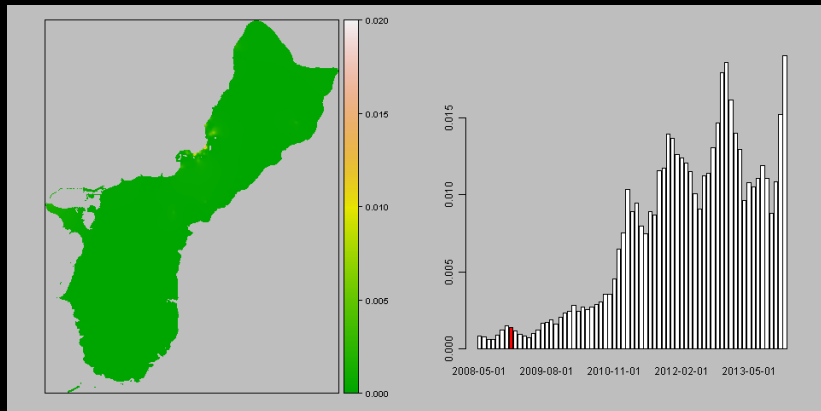
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Nov 2008



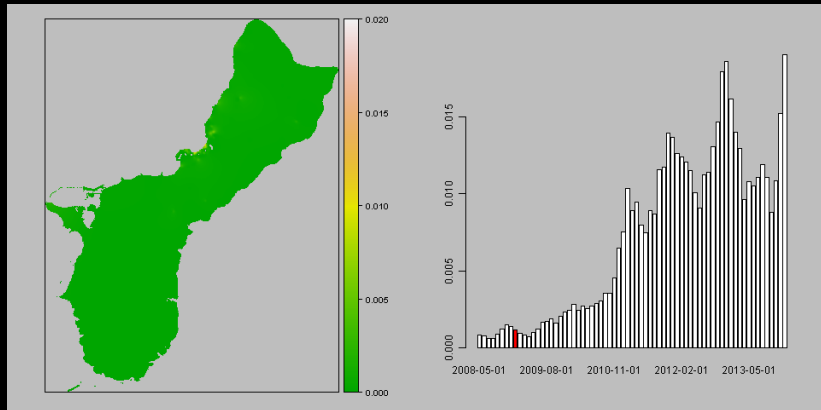
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Dec 2008



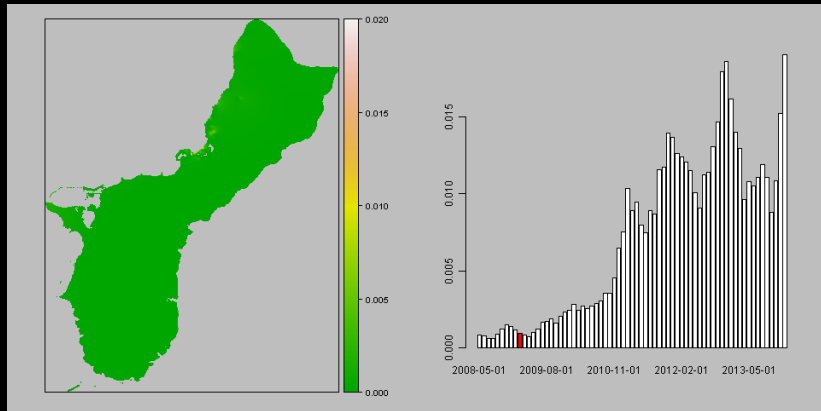
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jan 2009



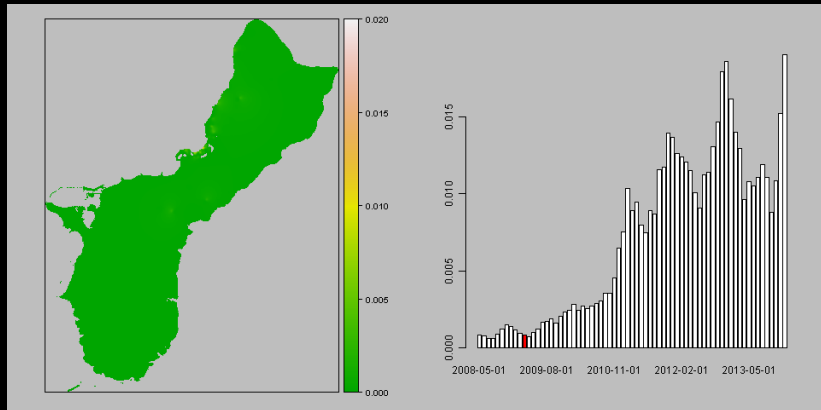
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Feb 2009



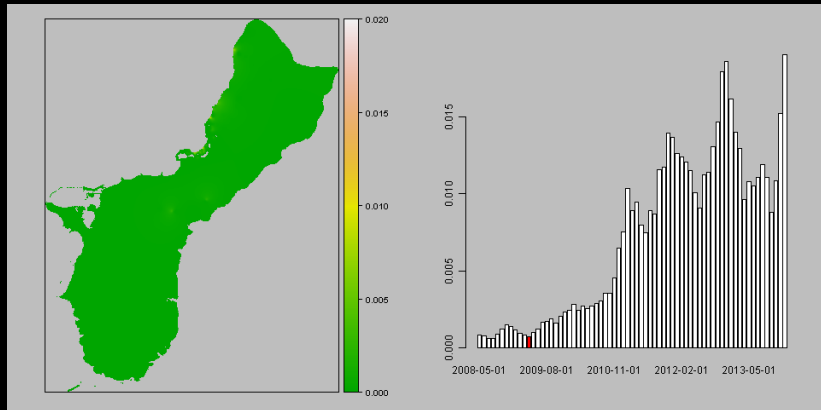
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Mar 2009



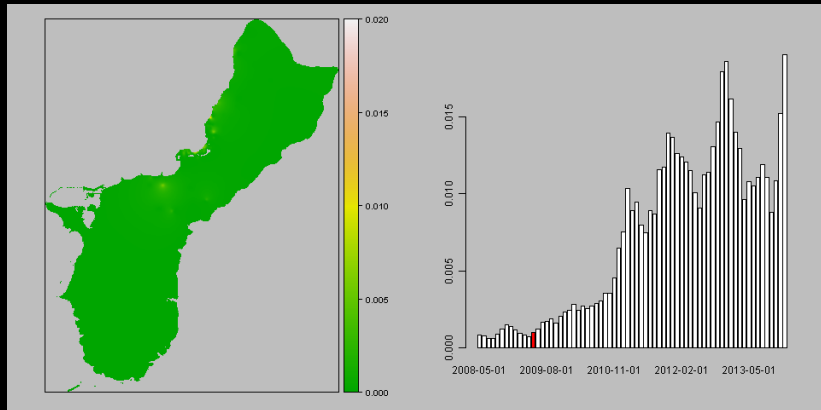
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Apr 2009



Mean number of beetles caught per trap-day

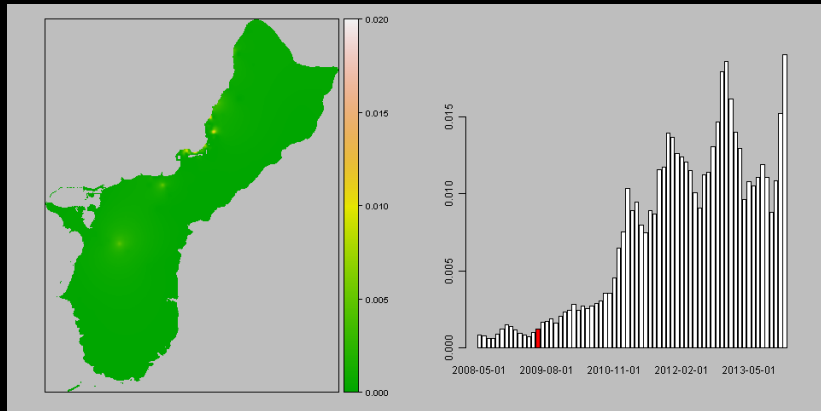
# 90 day trapping period ending on 01 May 2009



Mean number of beetles caught per trap-day

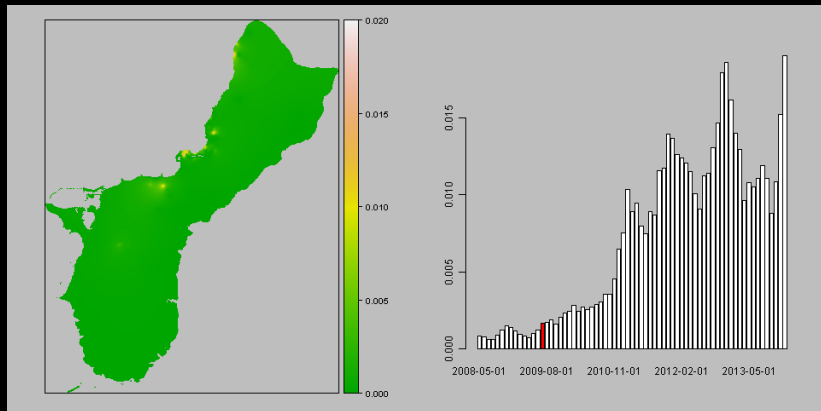


# 90 day trapping period ending on 01 Jun 2009



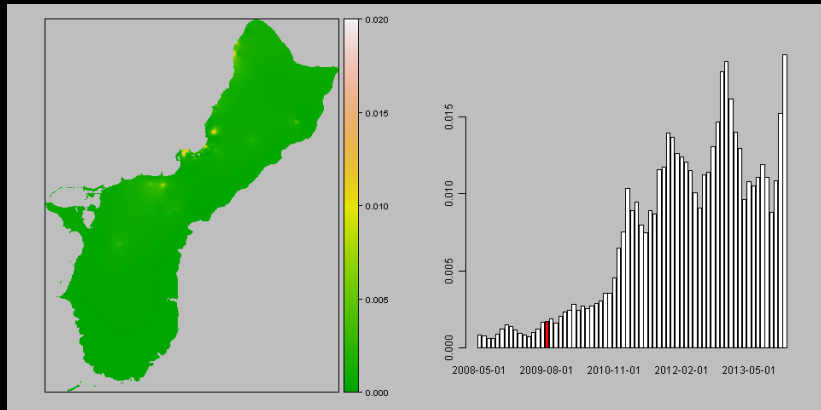
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jul 2009



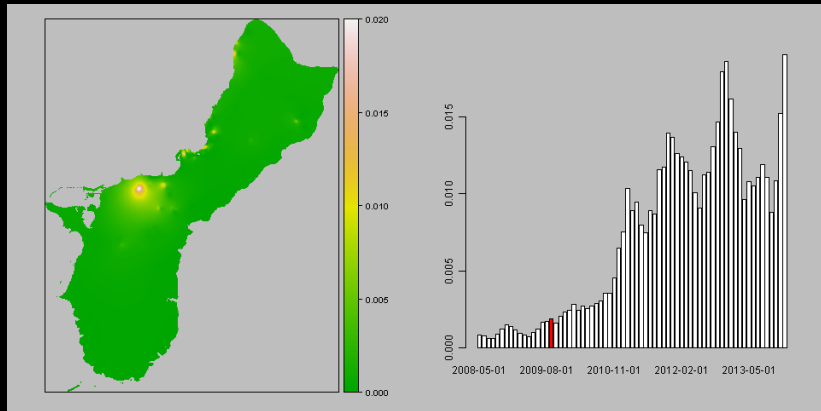
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Aug 2009



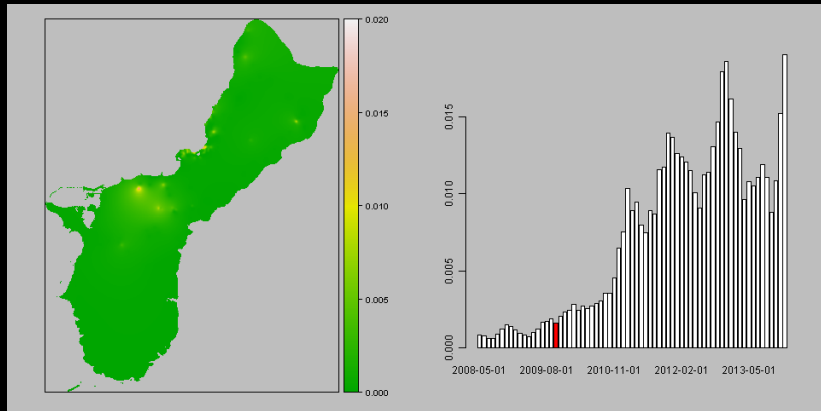
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Sep 2009



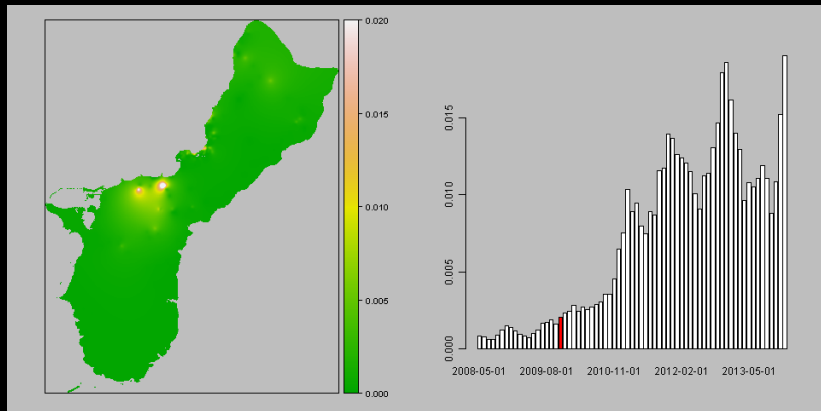
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Oct 2009



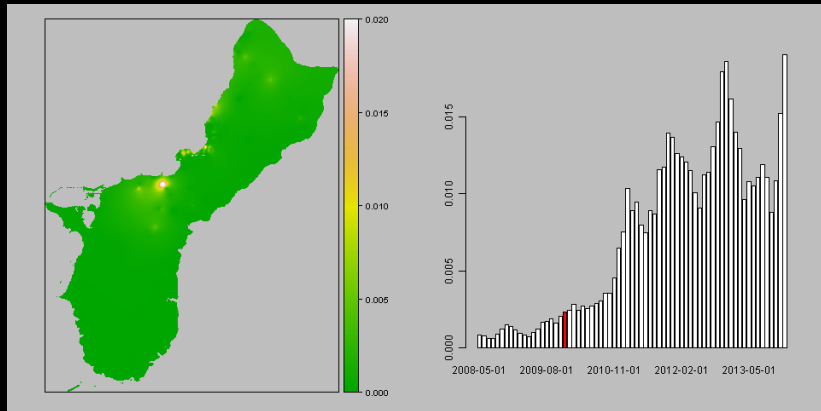
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Nov 2009



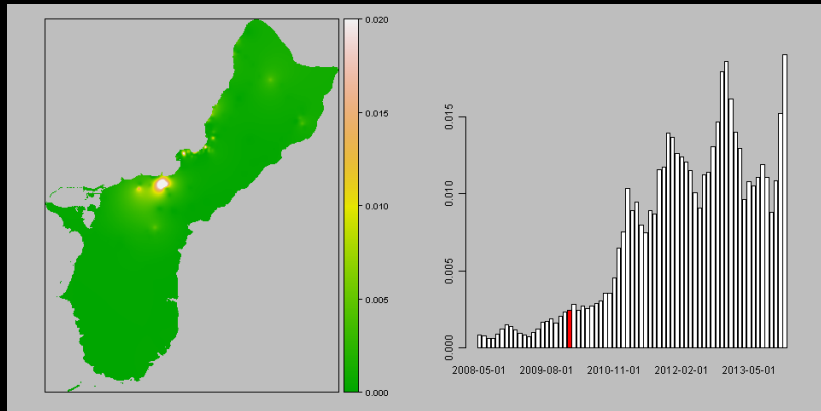
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Dec 2009



Mean number of beetles caught per trap-day

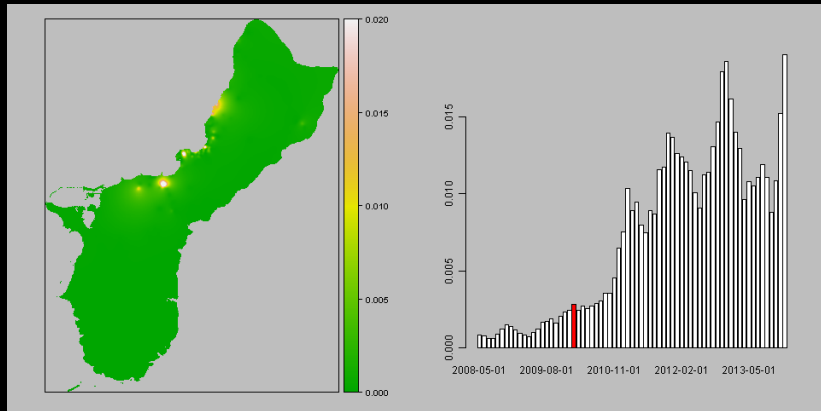
# 90 day trapping period ending on 01 Jan 2010



Mean number of beetles caught per trap-day

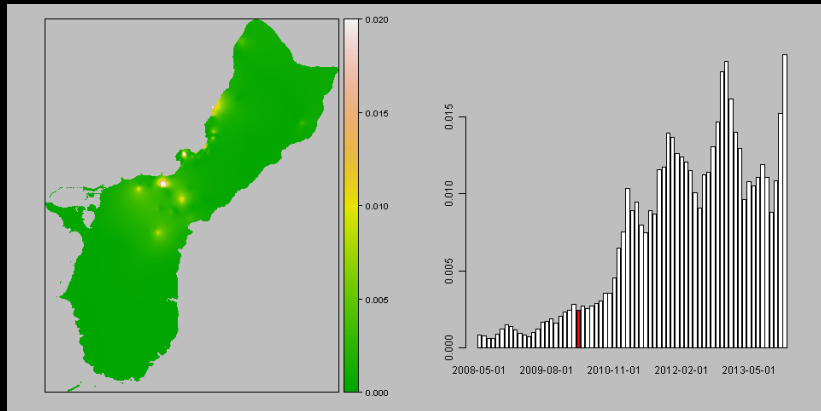


# 90 day trapping period ending on 01 Feb 2010



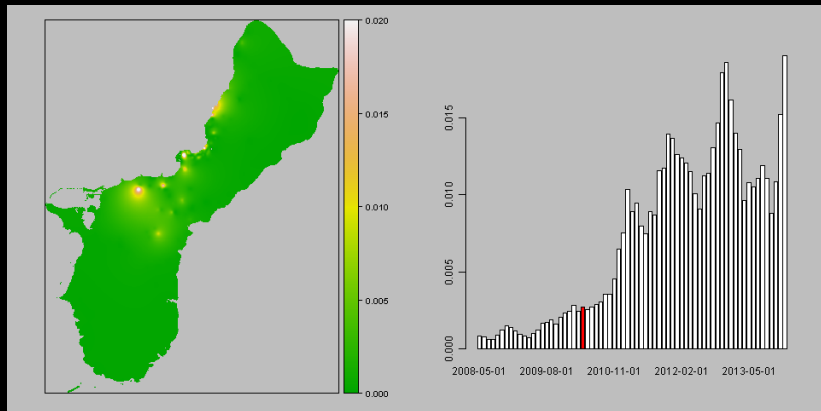
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Mar 2010



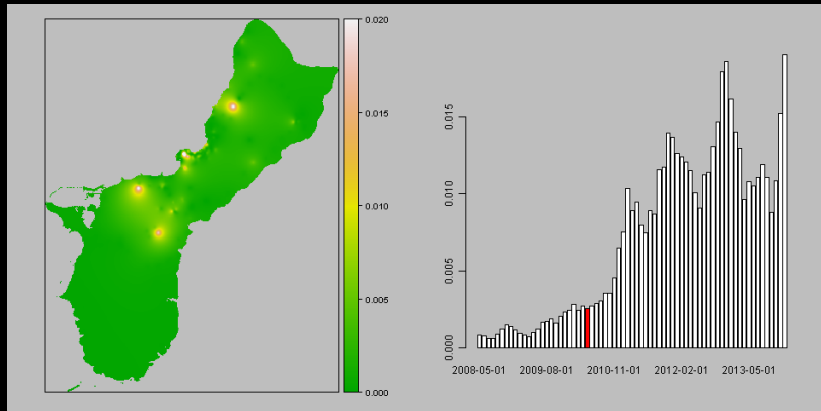
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Apr 2010



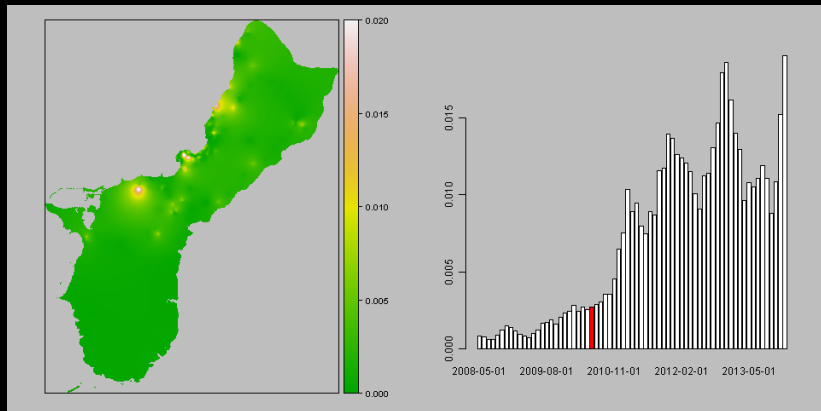
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 May 2010

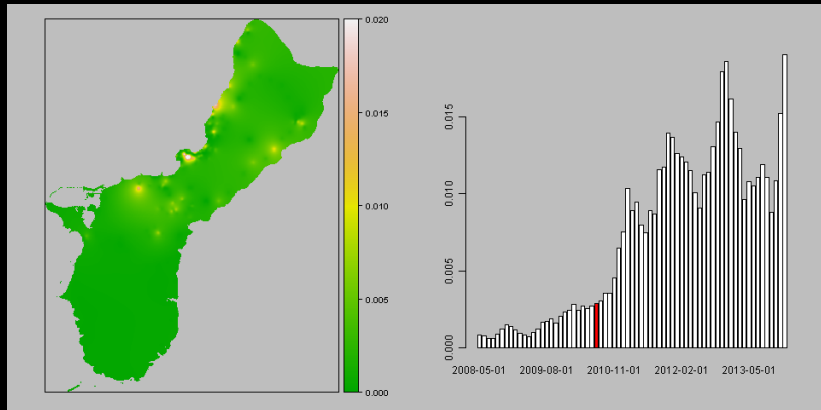


Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jun 2010

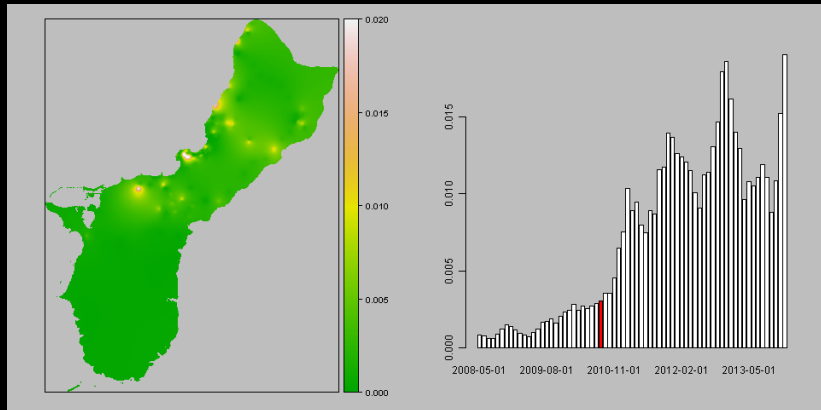


# 90 day trapping period ending on 01 Jul 2010



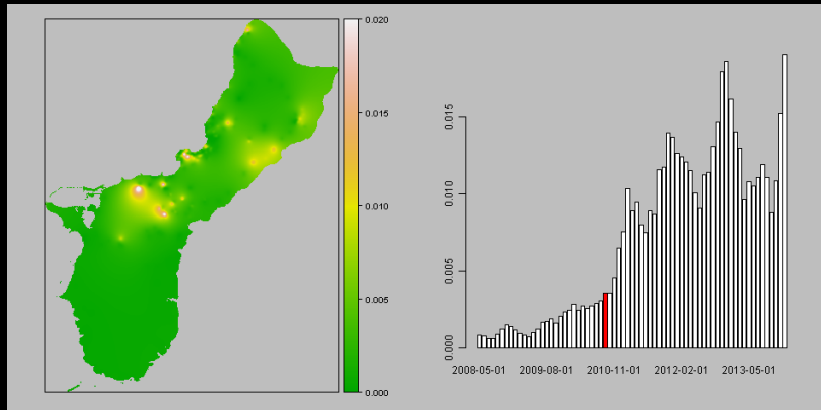
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Aug 2010



Mean number of beetles caught per trap-day

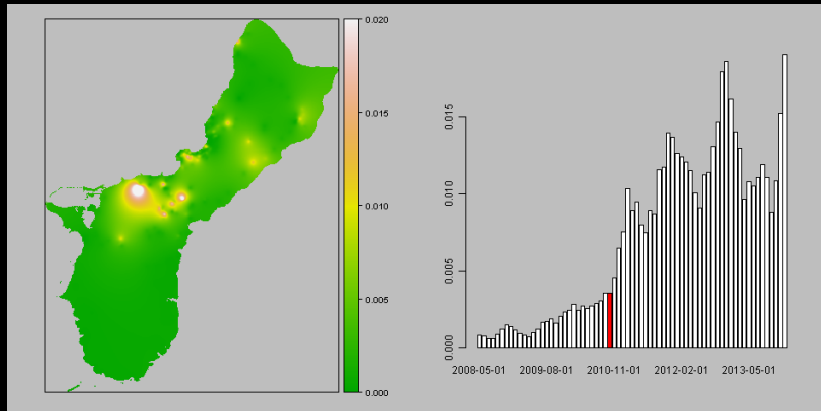
# 90 day trapping period ending on 01 Sep 2010



Mean number of beetles caught per trap-day

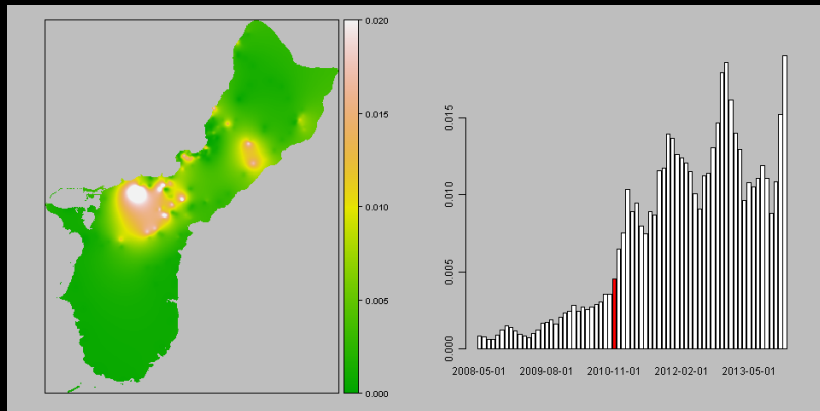


# 90 day trapping period ending on 01 Oct 2010



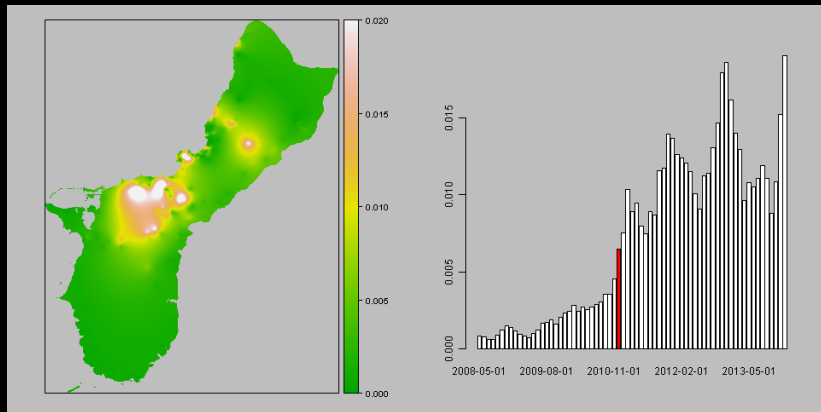
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Nov 2010



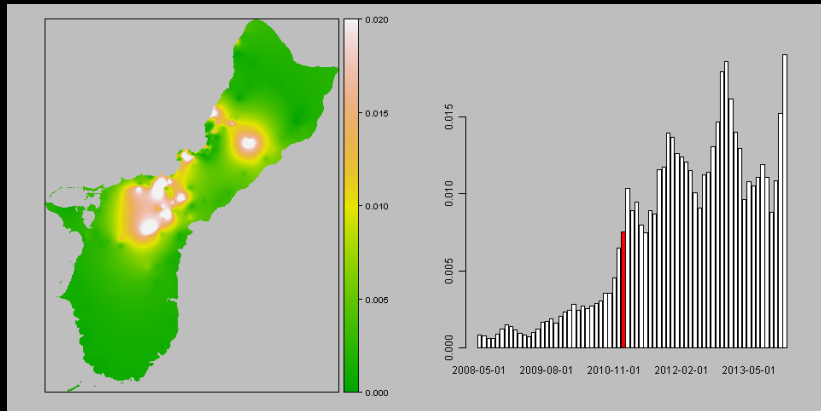
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Dec 2010



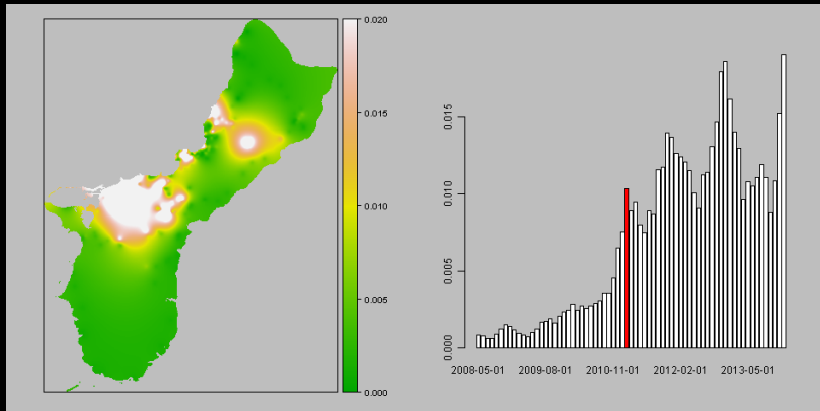
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jan 2011



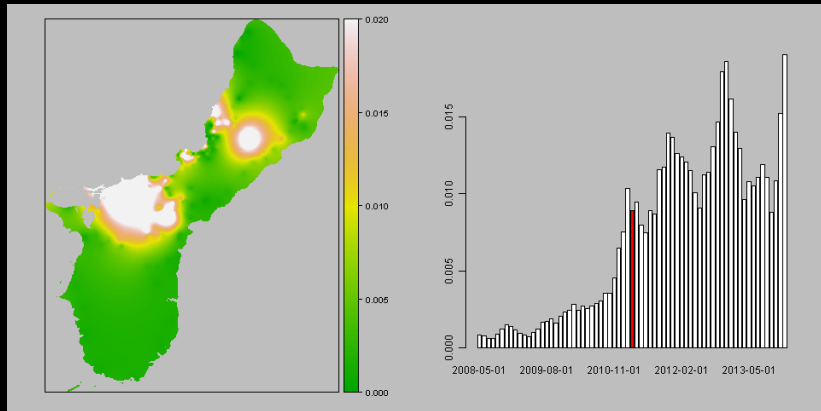
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Feb 2011



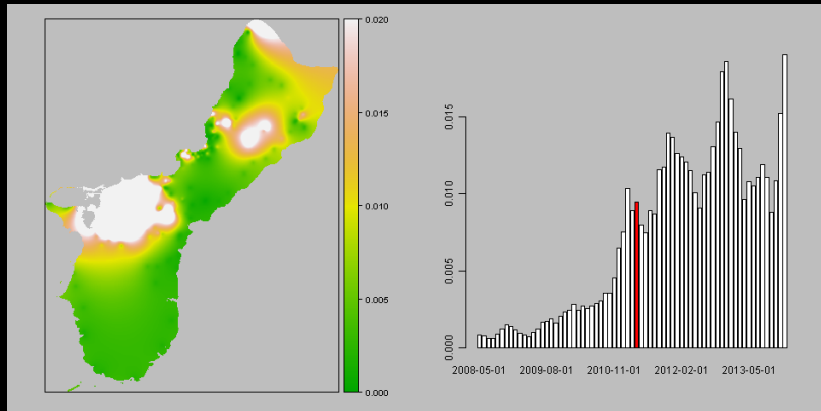
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Mar 2011



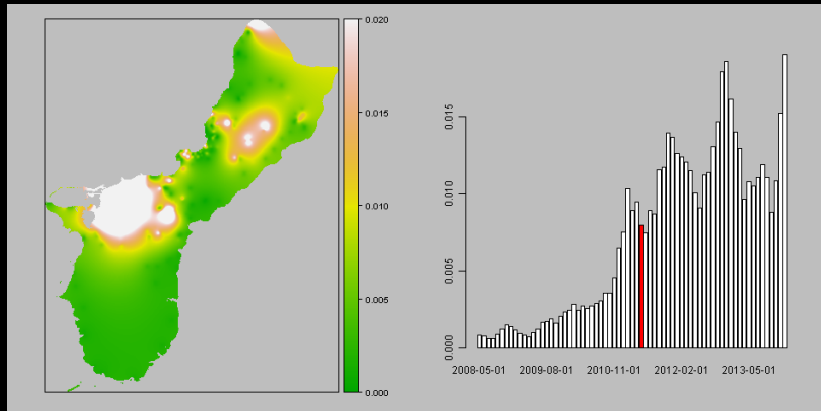
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Apr 2011



Mean number of beetles caught per trap-day

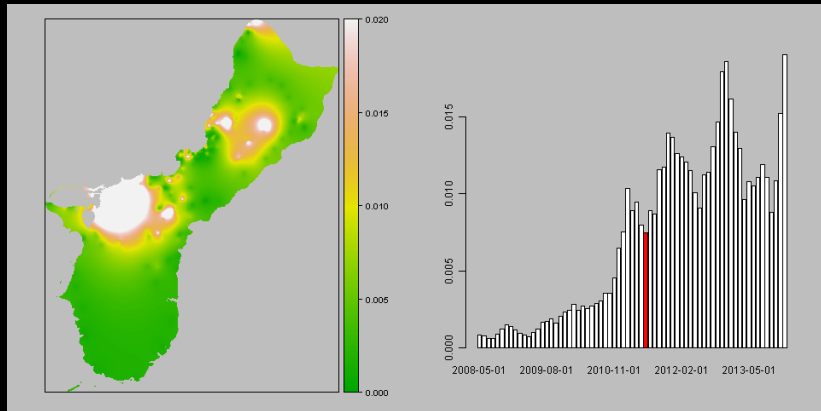
# 90 day trapping period ending on 01 May 2011



Mean number of beetles caught per trap-day

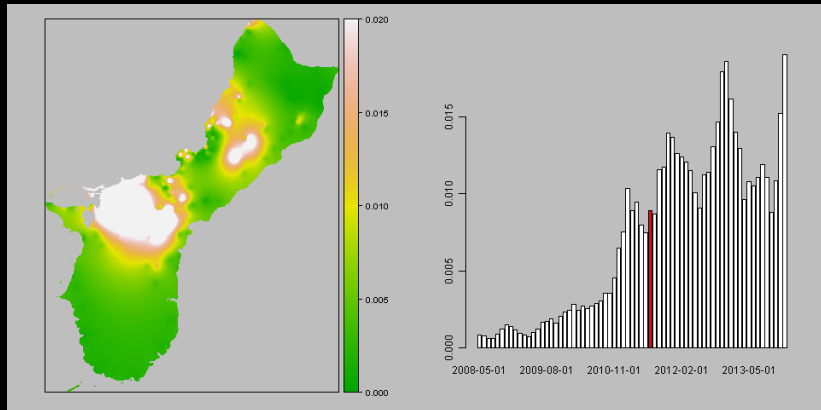


# 90 day trapping period ending on 01 Jun 2011



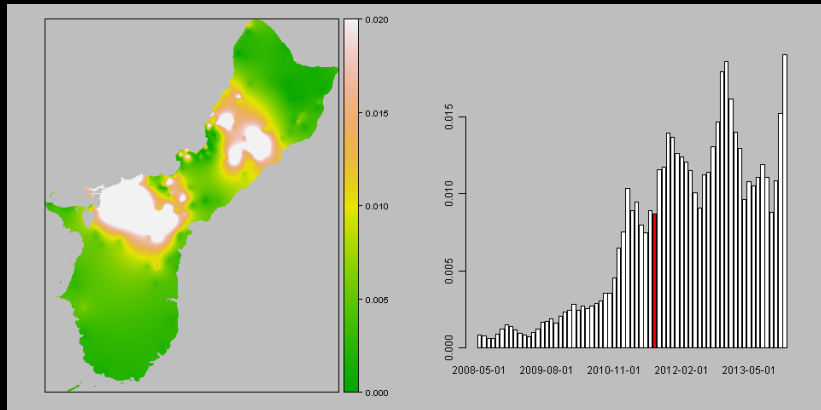
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jul 2011



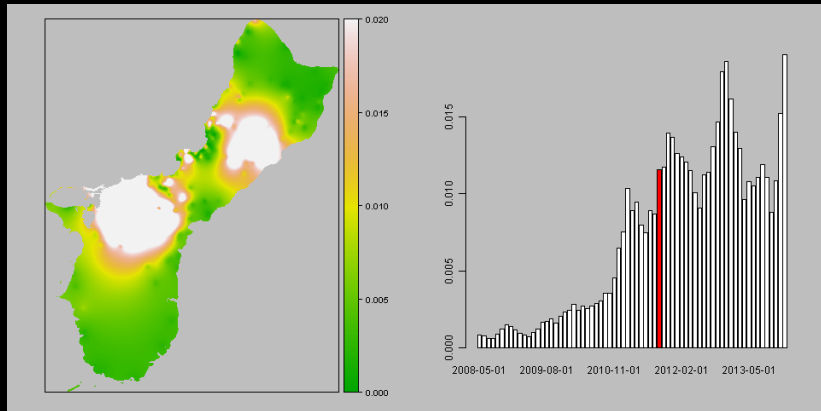
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Aug 2011



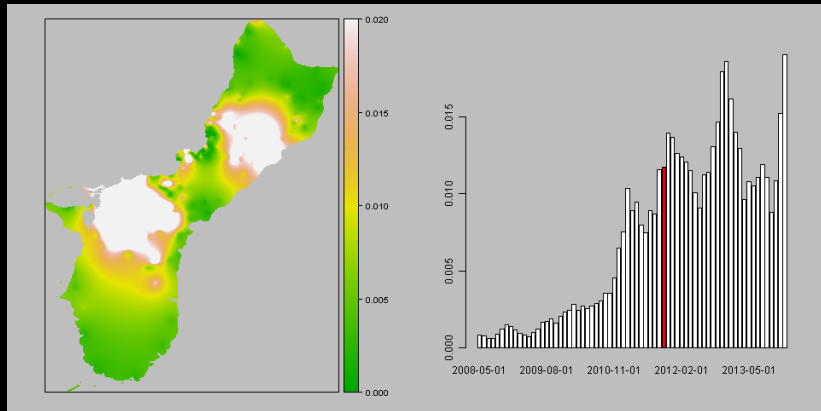
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Sep 2011



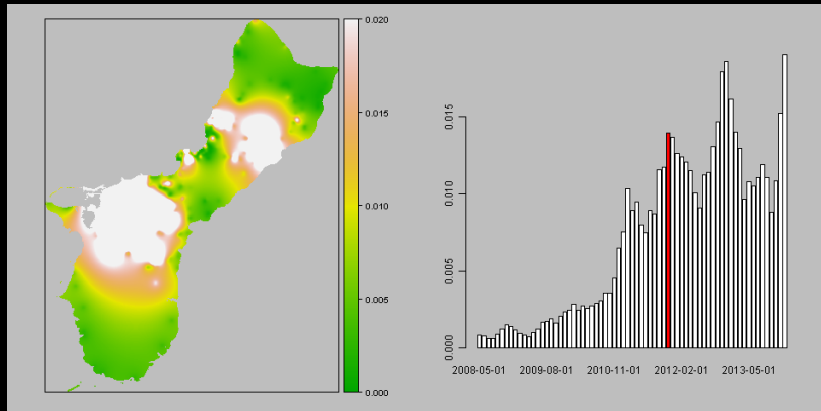
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Oct 2011



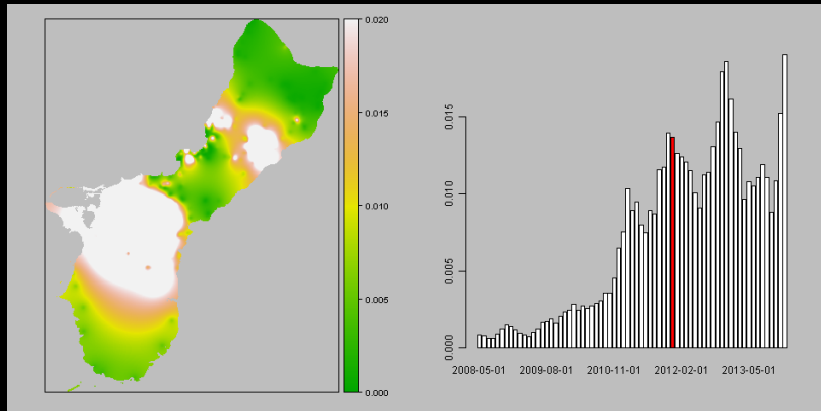
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Nov 2011



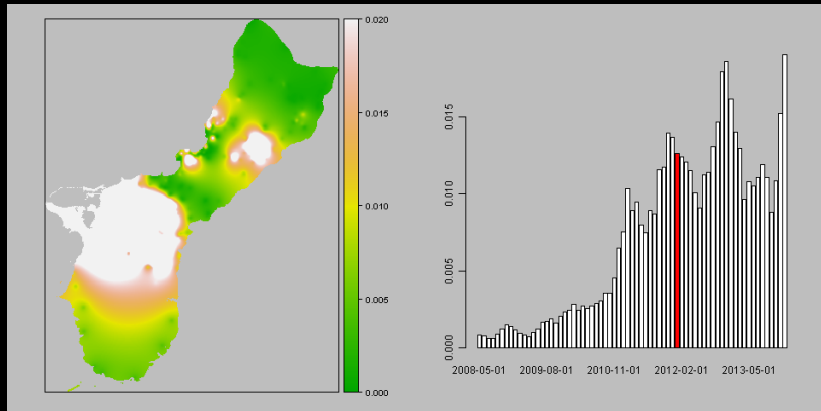
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Dec 2011



Mean number of beetles caught per trap-day

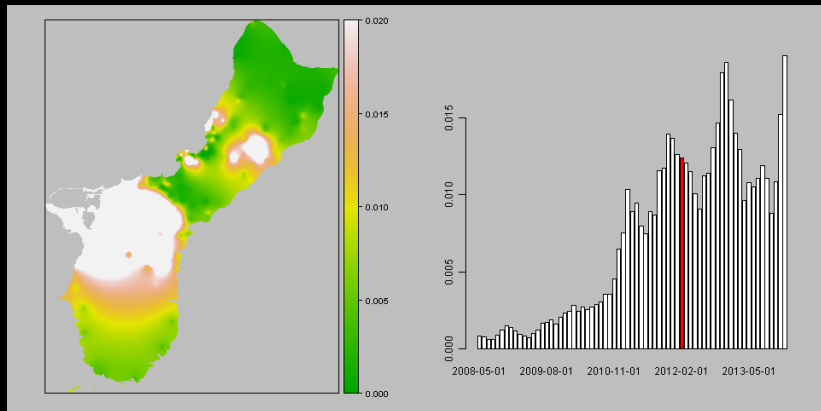
# 90 day trapping period ending on 01 Jan 2012



Mean number of beetles caught per trap-day

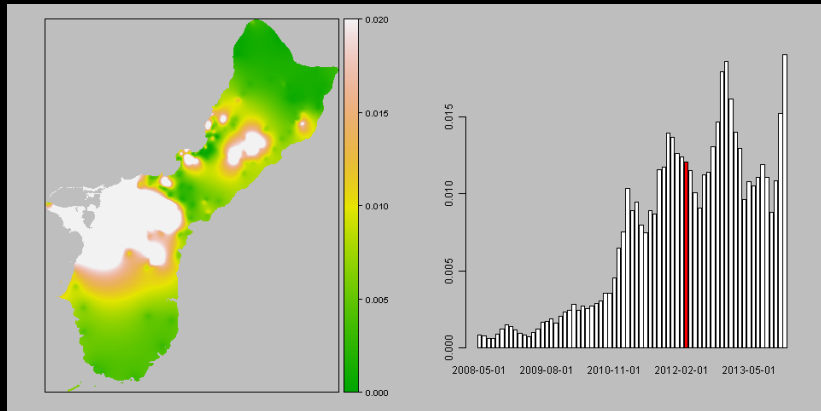


# 90 day trapping period ending on 01 Feb 2012



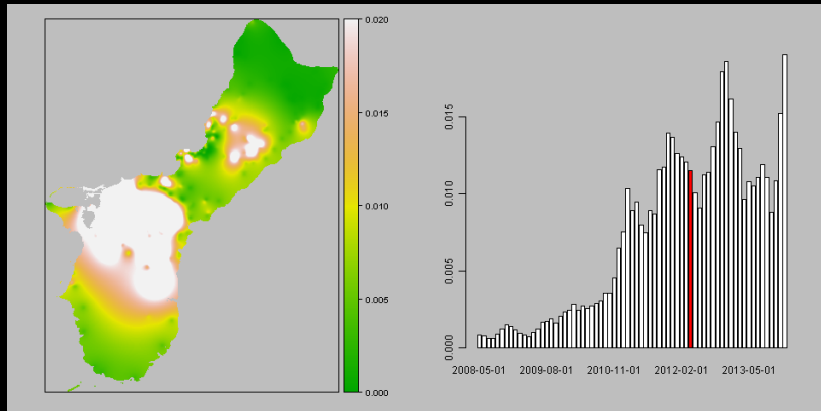
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Mar 2012



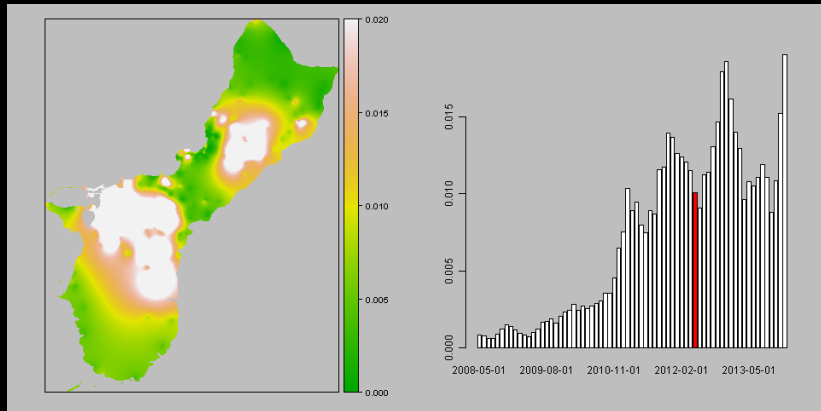
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Apr 2012



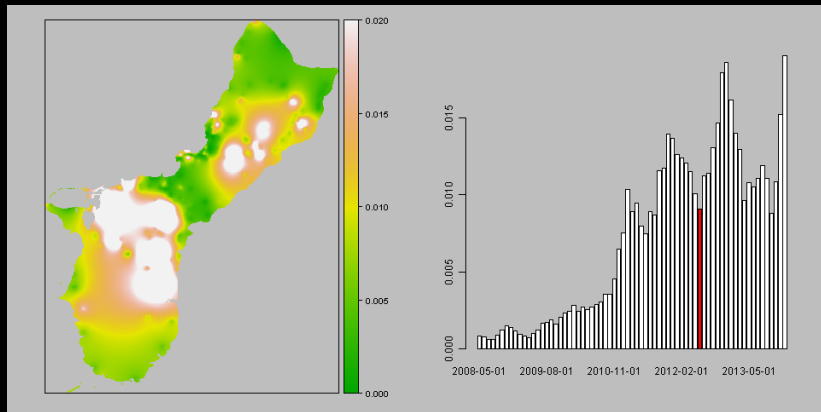
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 May 2012



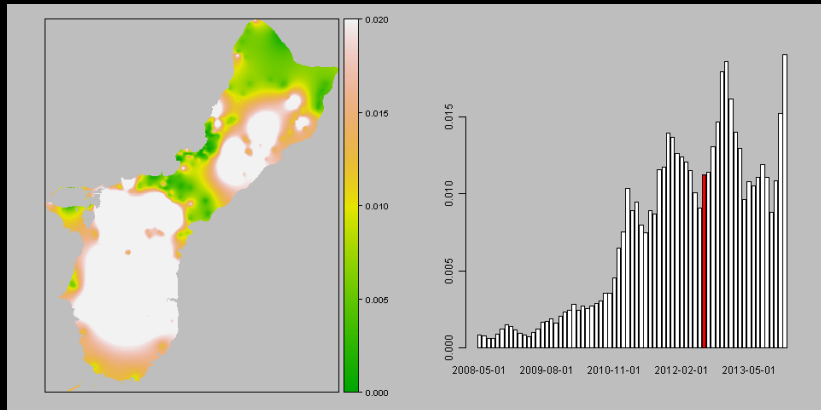
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jun 2012



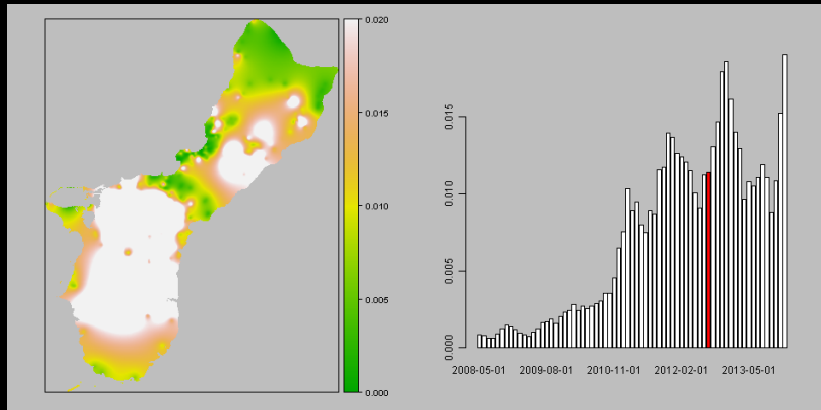
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jul 2012



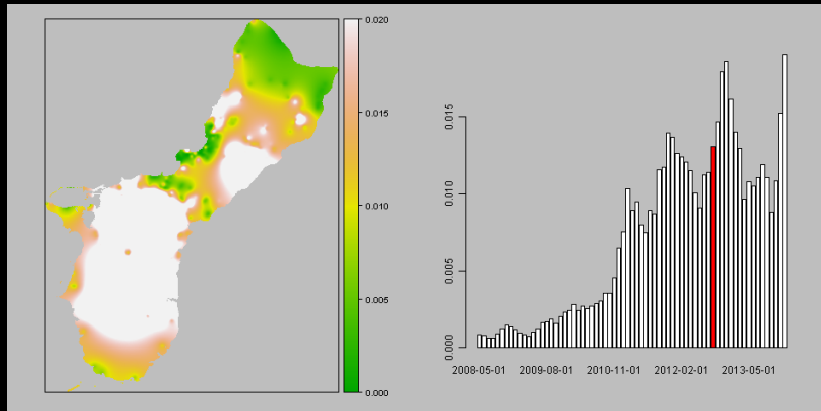
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Aug 2012



Mean number of beetles caught per trap-day

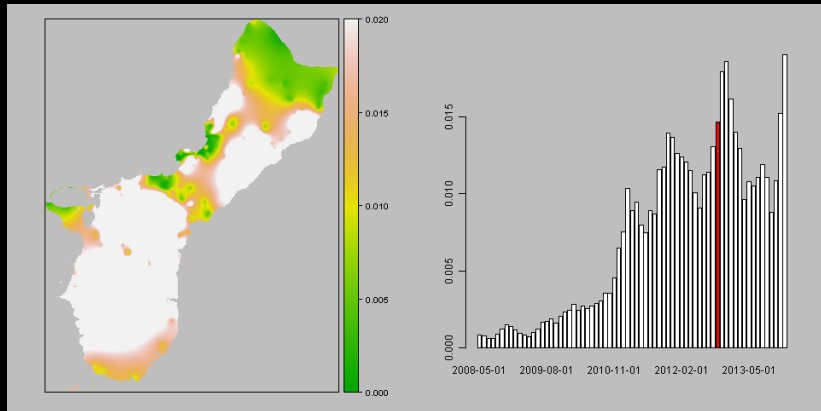
# 90 day trapping period ending on 01 Sep 2012



Mean number of beetles caught per trap-day

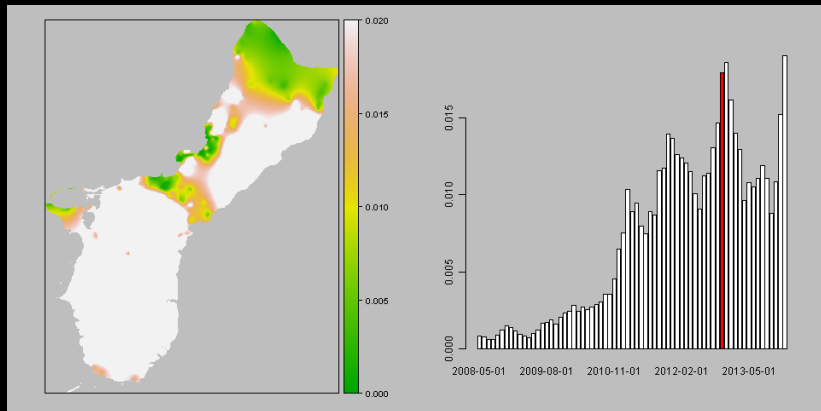


# 90 day trapping period ending on 01 Oct 2012



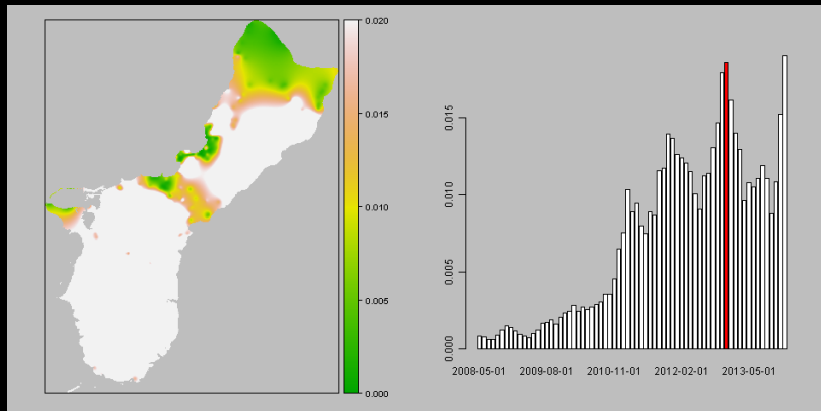
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Nov 2012



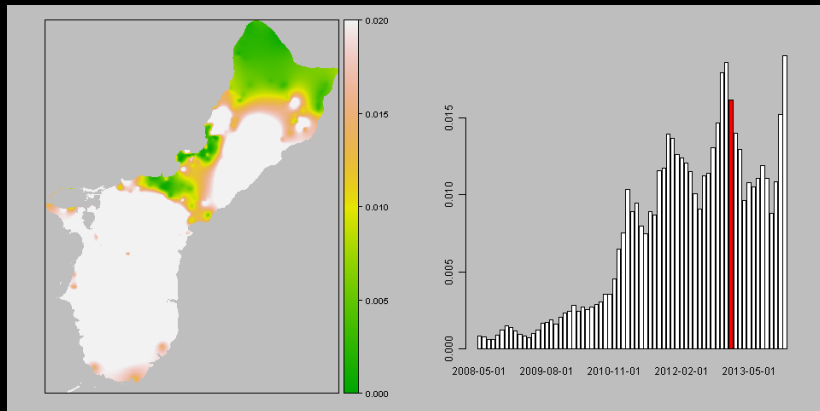
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Dec 2012



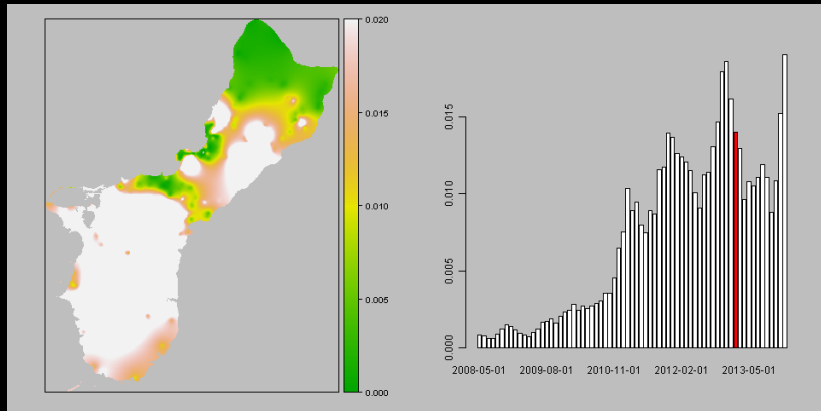
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jan 2013



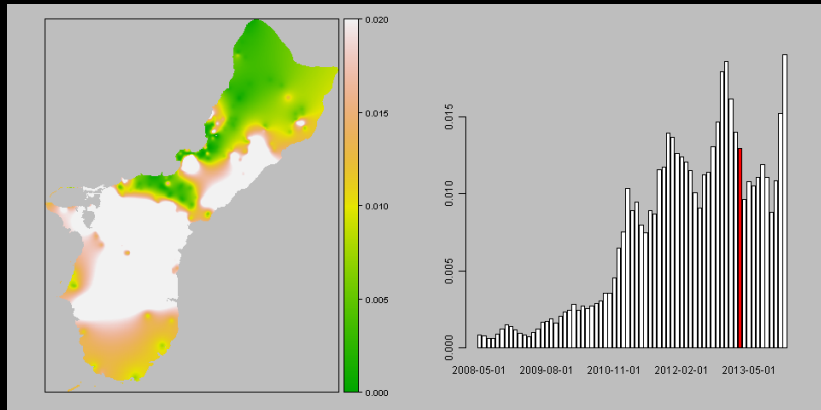
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Feb 2013



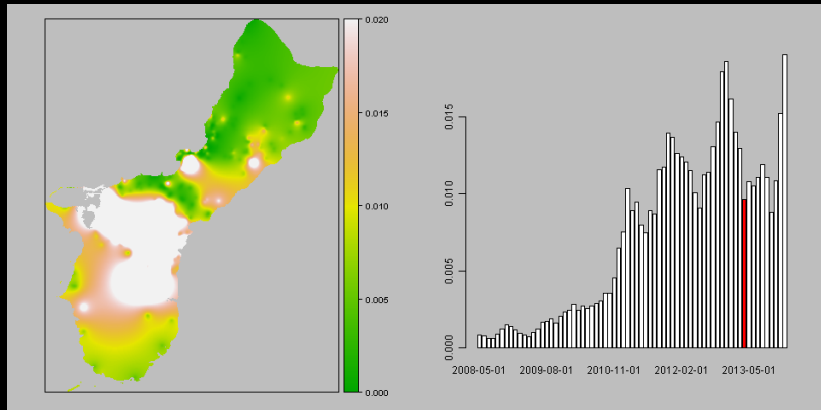
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Mar 2013



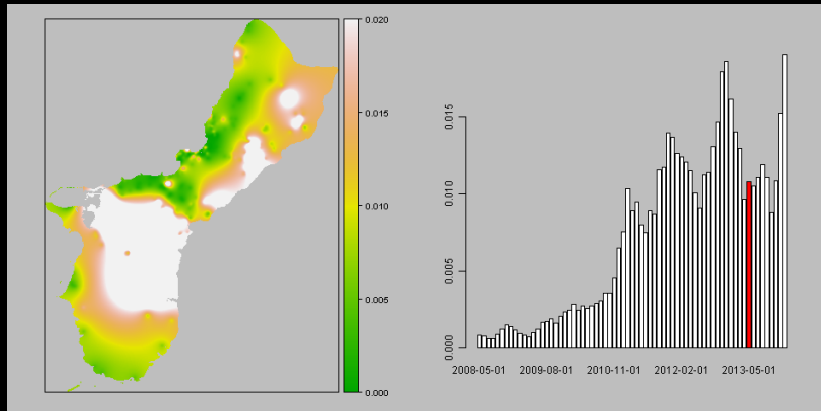
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Apr 2013



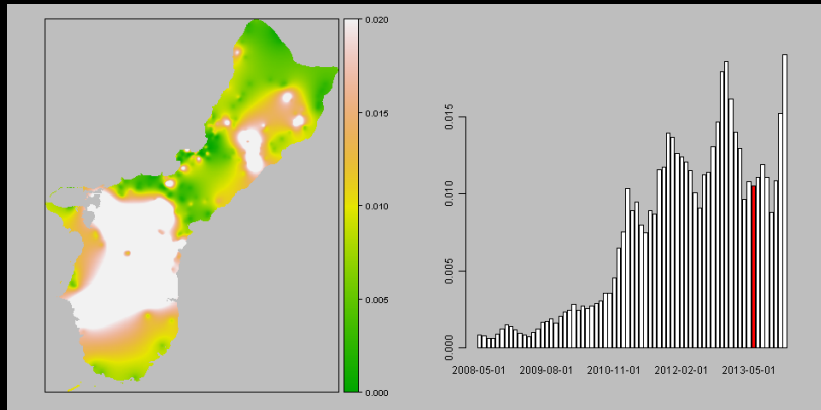
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 May 2013



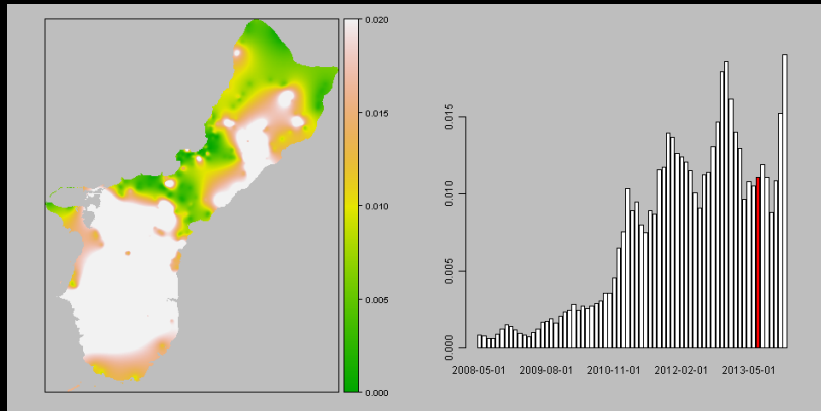


# 90 day trapping period ending on 01 Jun 2013



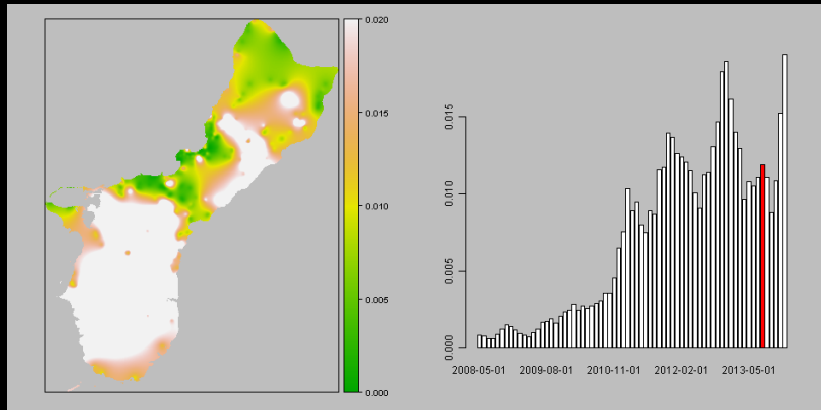
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Jul 2013



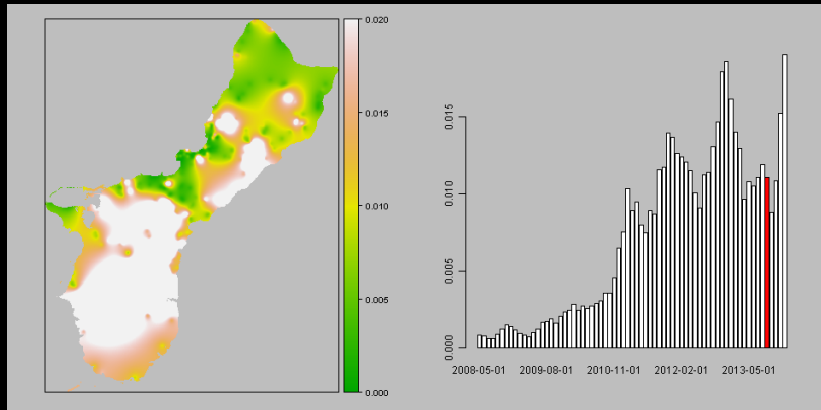
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Aug 2013



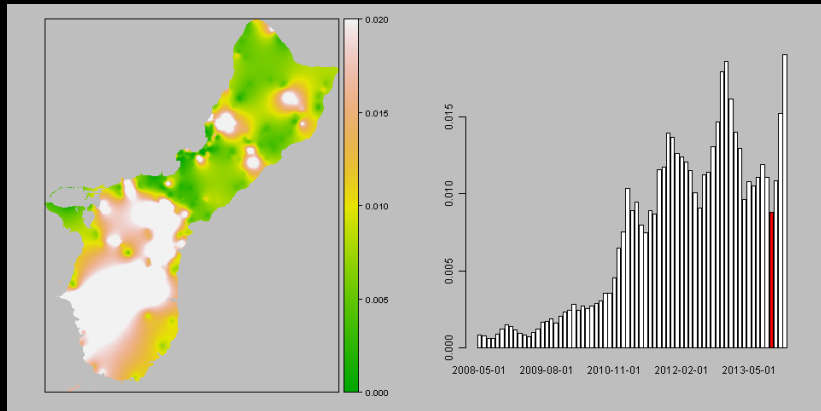
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Sep 2013



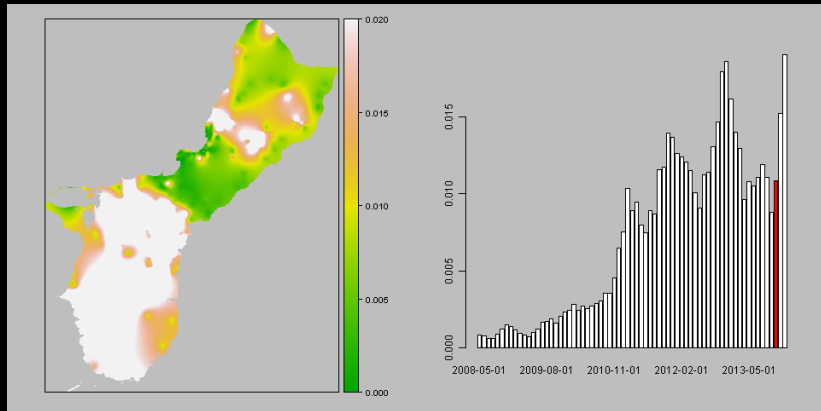
Mean number of beetles caught per trap-day

# 90 day trapping period ending on 01 Oct 2013

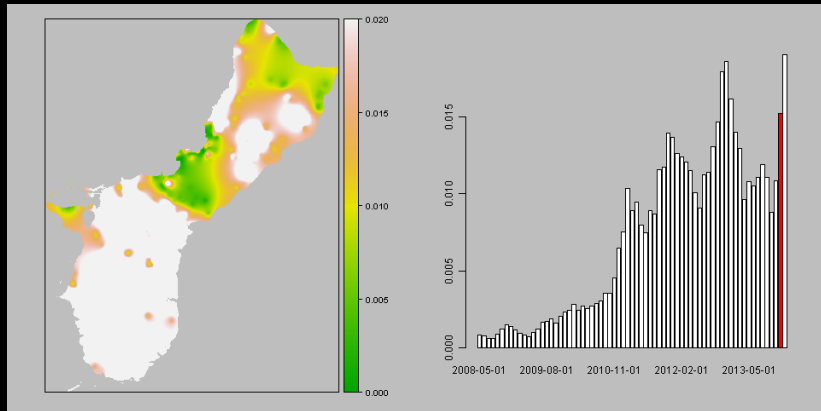


Mean number of beetles caught per trap-day

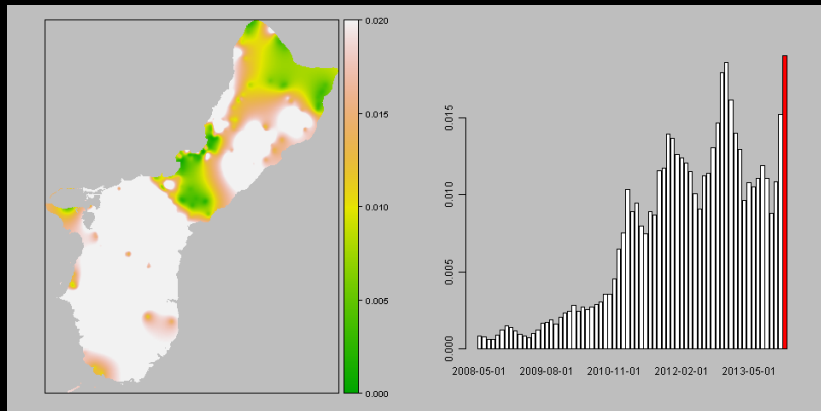
# 90 day trapping period ending on 01 Nov 2013



# 90 day trapping period ending on 01 Dec 2013



# 90 day trapping period ending on 01 Jan 2014



Mean number of beetles caught per trap-day