

# ALE – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

# ANG – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1966 1990 1993 1995 1997 2000 2001 2004 2006 2008 2009 2010 2011 2012 2013

Land cover



Agriculture



Dense forest



Sparse forest



Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1966 1990 1993 1995 1997 2000 2001 2004 2006 2008 2009 2010 2011 2012 2013

# ARU – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

# BAR – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1966 1990 1993 1994 1996 2000 2003 2004 2006 2008 2009 2010 2011 2012 2013

Land cover

Agriculture  
Bare soil  
Dense forest  
Sparse forest  
Infrastructures  
Shrubs, herbs  
Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1966 1990 1993 1994 1996 2000 2003 2004 2006 2008 2009 2010 2011 2012 2013

# BOS – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1988 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

Land cover

Agriculture

Dense forest

Sparse forest

Shrubs, herbs

Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1988 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

# CAB – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1966 1990 1993 1994 1996 2000 2003 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Bare soil Dense forest Sparse forest Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1966 1990 1993 1994 1996 2000 2003 2004 2006 2008 2009 2010 2011 2012 2013

# CAY – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1996 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest Shrubs, herbs Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1996 2000 2004 2006 2008 2009 2010 2011 2012 2013

# COC – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1987 1990 1993 1996 1997 2000 2002 2004 2006 2008 2009 2010 2011 2012 2013

Land cover

Agriculture

Sparse forest

Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1987 1990 1993 1996 1997 2000 2002 2004 2006 2008 2009 2010 2011 2012 2013



# ELB – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

# ESC – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

# HOR – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1996 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1996 2000 2004 2006 2008 2009 2010 2011 2012 2013

# LLE – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1997 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest Infrastructures Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1997 2004 2006 2008 2009 2010 2011 2012 2013

# MAT – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover

Agriculture

Dense forest

Sparse forest

Shrubs, herbs

Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

# MAY – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1966 1990 1993 1996 1997 2000 2001 2004 2006 2008 2009 2010 2011 2012 2013

Land cover

Agriculture

Dense forest

Sparse forest

Infrastructures

Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1966 1990 1993 1996 1997 2000 2001 2004 2006 2008 2009 2010 2011 2012 2013

# MOE – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover



Agriculture



Bare soil



Dense forest



Sparse forest

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

# MOF – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

Land cover



Agriculture



Dense forest



Sparse forest



Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013



# MUI – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1987 1990 1993 1994 1996 2000 2003 2004 2006 2008 2009 2010 2011 2012 2013

Land cover

Agriculture  
Dense forest  
Sparse forest  
Infrastructures  
Shrubs, herbs  
Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1987 1990 1993 1994 1996 2000 2003 2004 2006 2008 2009 2010 2011 2012 2013

# MUR – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover

Bare soil

Dense forest

Sparse forest

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

# PAD – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1995 1996 1998 2001 2002 2005 2007 2008 2009 2010 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1995 1996 1998 2001 2002 2005 2007 2008 2009 2010 2011 2012 2013

# PAL – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

# PIN – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1996 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1996 2000 2004 2006 2008 2009 2010 2011 2012 2013

# POB – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1983 1990 1993 1995 1996 2001 2002 2005 2007 2008 2009 2010 2011 2012 2013

Land cover



Agriculture



Dense forest



Sparse forest



Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1983 1990 1993 1995 1996 2001 2002 2005 2007 2008 2009 2010 2011 2012 2013

# PRU – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2003 2005 2007 2008 2009 2011 2012 2013

Land cover

Agriculture

Dense forest

Sparse forest

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2003 2005 2007 2008 2009 2011 2012 2013

# RAB – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1989 1990 1993 1996 1997 2002 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Agriculture Sparse forest Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1989 1990 1993 1996 1997 2002 2004 2006 2008 2009 2010 2011 2012 2013



# RIA – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1988 1990 1993 1997 2002 2005 2007 2008 2009 2010

Land cover

Agriculture

Dense forest

Sparse forest

Shrubs, herbs

Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1988 1990 1993 1997 2002 2005 2007 2008 2009 2010

# SAL – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1991 1993 1996 1997 2000 2001 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Agriculture Bare soil Dense forest Sparse forest Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1991 1993 1996 1997 2000 2001 2004 2006 2008 2009 2010 2011 2012 2013

# SEN – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1988 1993 1996 1997 2003 2005 2007 2008 2009 2011 2012 2013

Land cover

Agriculture  
Bare soil  
Dense forest  
Sparse forest  
Shrubs, herbs  
Water

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1988 1993 1996 1997 2003 2005 2007 2008 2009 2011 2012 2013

# SFB – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover Dense forest Sparse forest

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1997 2000 2004 2006 2008 2009 2010 2011 2012 2013

# SPM – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00

0.75

0.50

0.25

0.00

1945

1956

1986

1990

1993

1994

1996

2000

2004

2006

2008

2009

2010

2011

2012

2013

Land cover



Agriculture



Dense forest



Urban



Bare soil



Sparse forest



Water

1.00

0.75

0.50

0.25

0.00

1945

1956

1986

1990

1993

1994

1996

2000

2004

2006

2008

2009

2010

2011

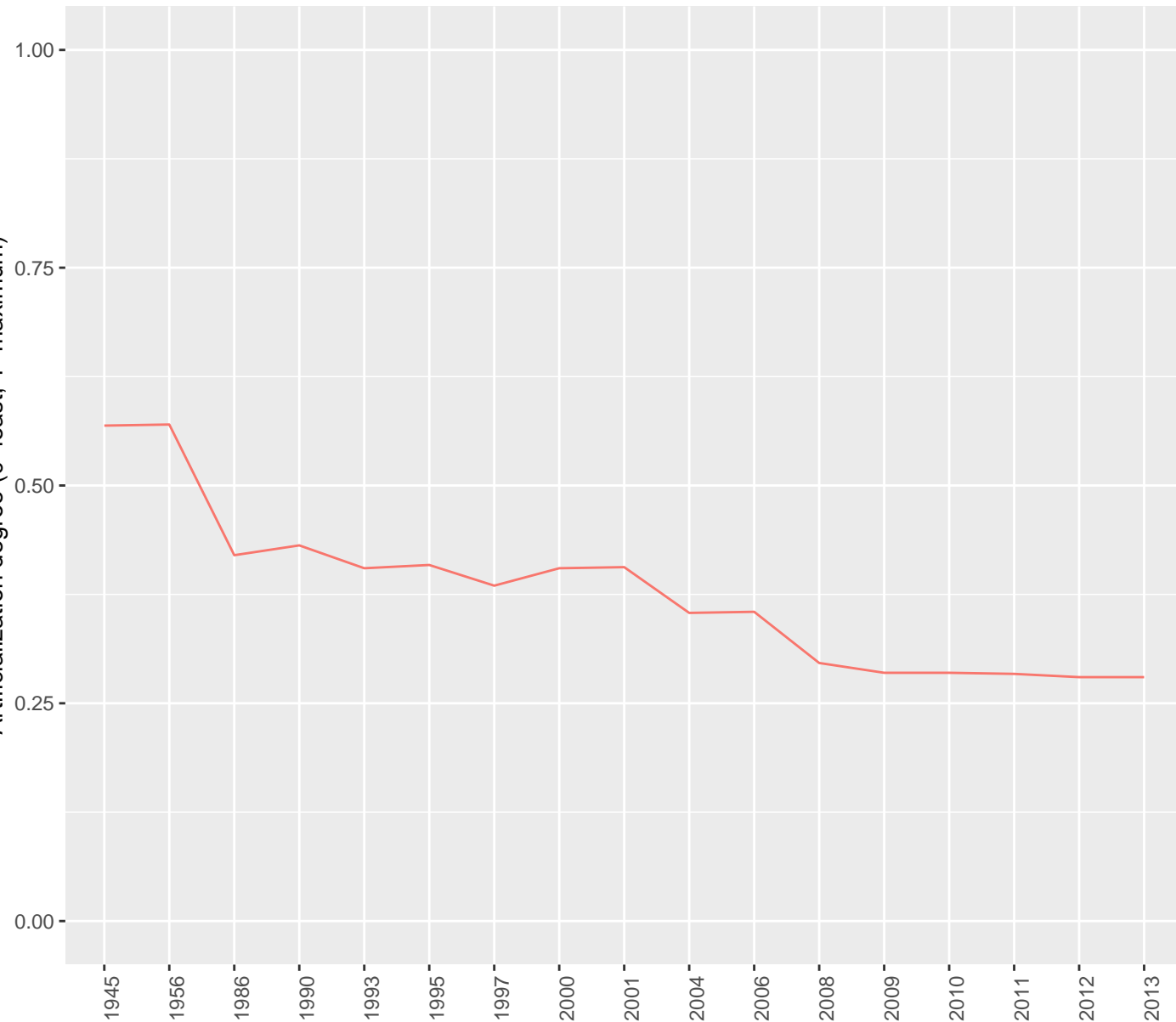
2012

2013

# TAR – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)



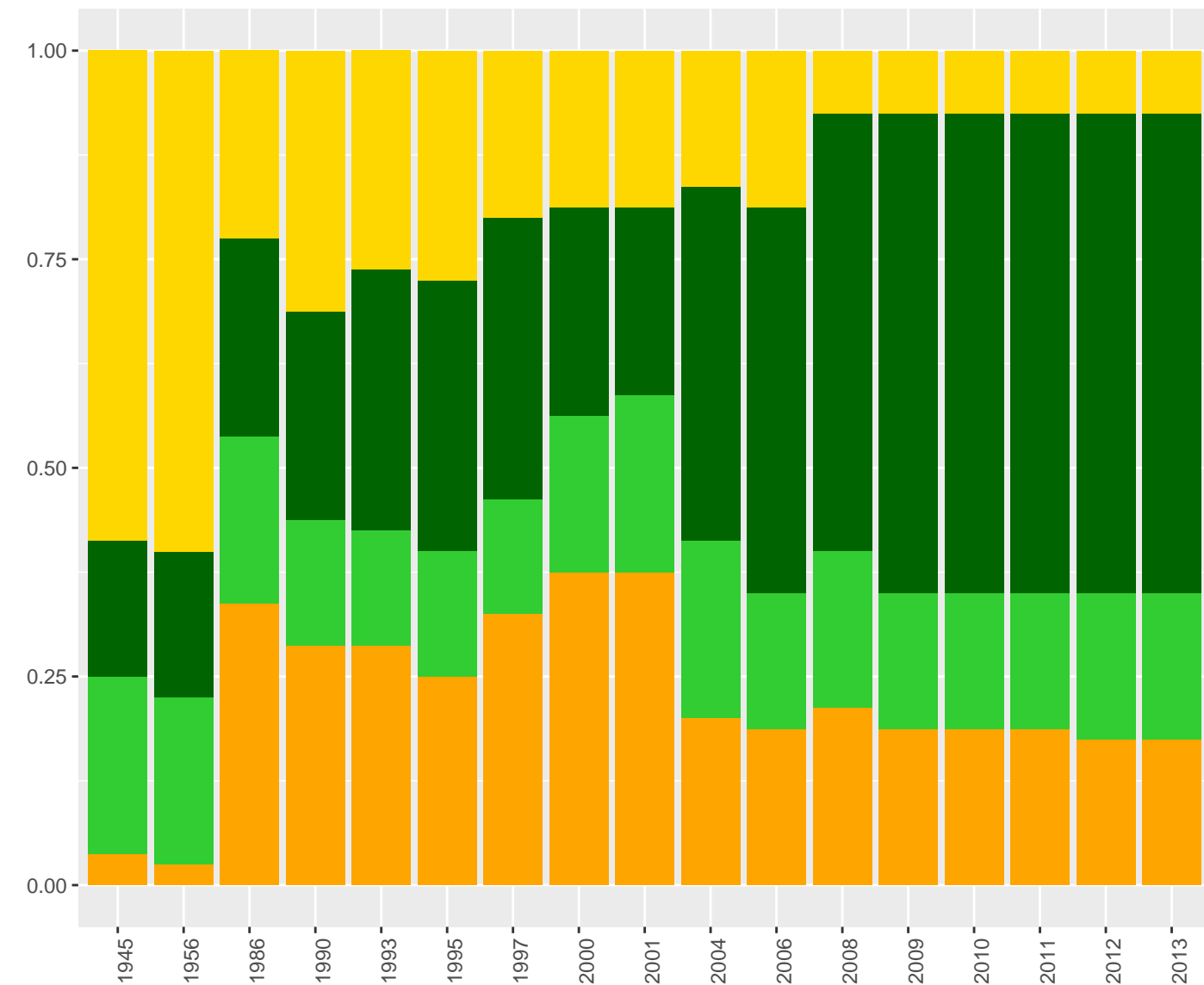
Land cover

Agriculture

Dense forest

Sparse forest

Shrubs, herbs



# TAU – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

Land cover Agriculture Dense forest Sparse forest Shrubs, herbs

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1990 1993 1996 1997 2001 2003 2005 2007 2008 2009 2011 2012 2013

# VAG – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1996 2000 2004 2006 2008 2009 2010 2011 2012 2013

Land cover

Agriculture

Dense forest

Sparse forest

Shrubs, herbs

Urban

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1986 1990 1993 1994 1996 2000 2004 2006 2008 2009 2010 2011 2012 2013



# VDM – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)

1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1988 1990 1993 1996 1997 2003 2005 2007 2008 2009 2011 2012 2013

Land cover

Agriculture

Bare soil

Dense forest

Sparse forest

Shrubs, herbs

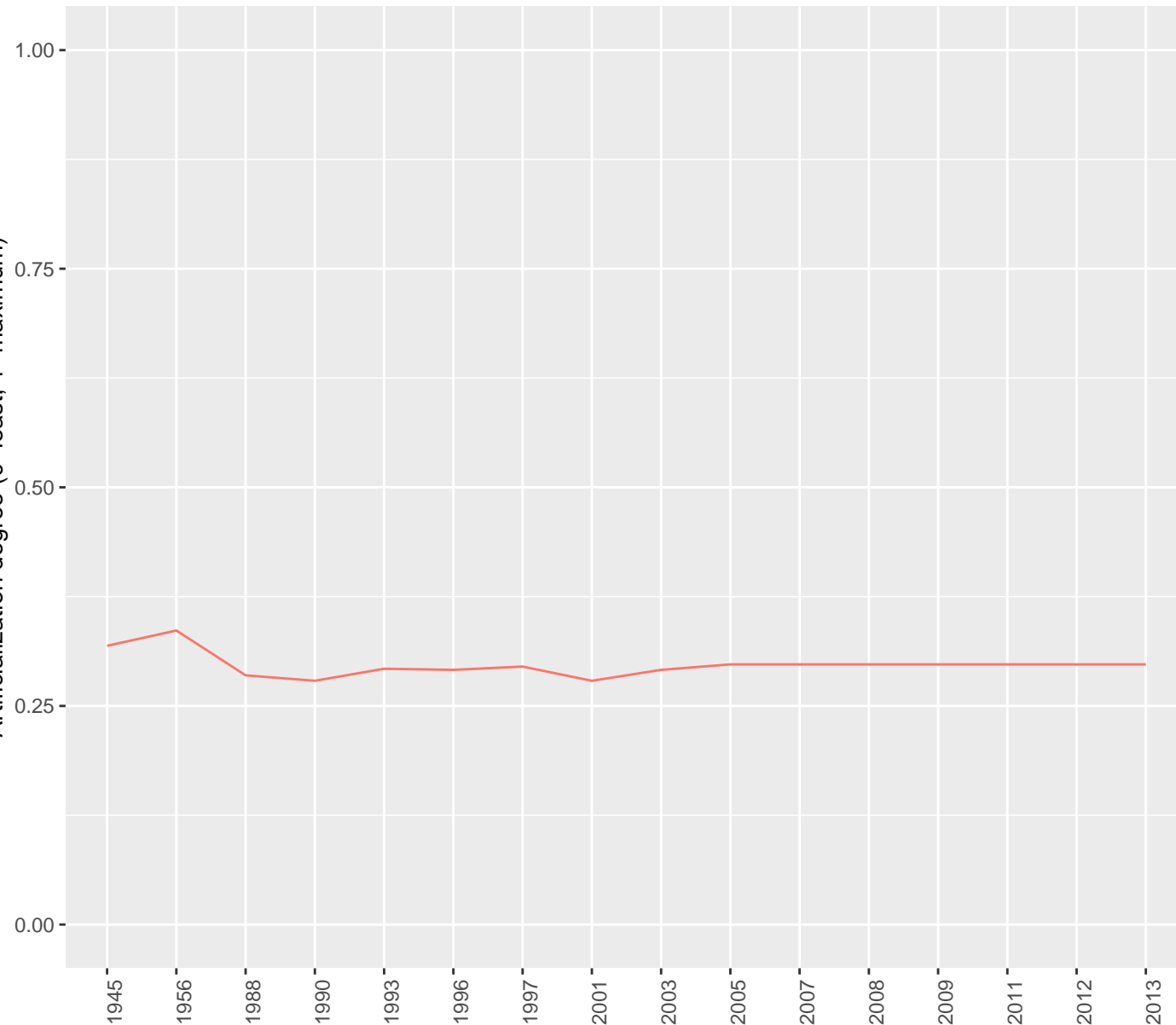
1.00  
0.75  
0.50  
0.25  
0.00

1945 1956 1988 1990 1993 1996 1997 2003 2005 2007 2008 2009 2011 2012 2013

# VIE – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)



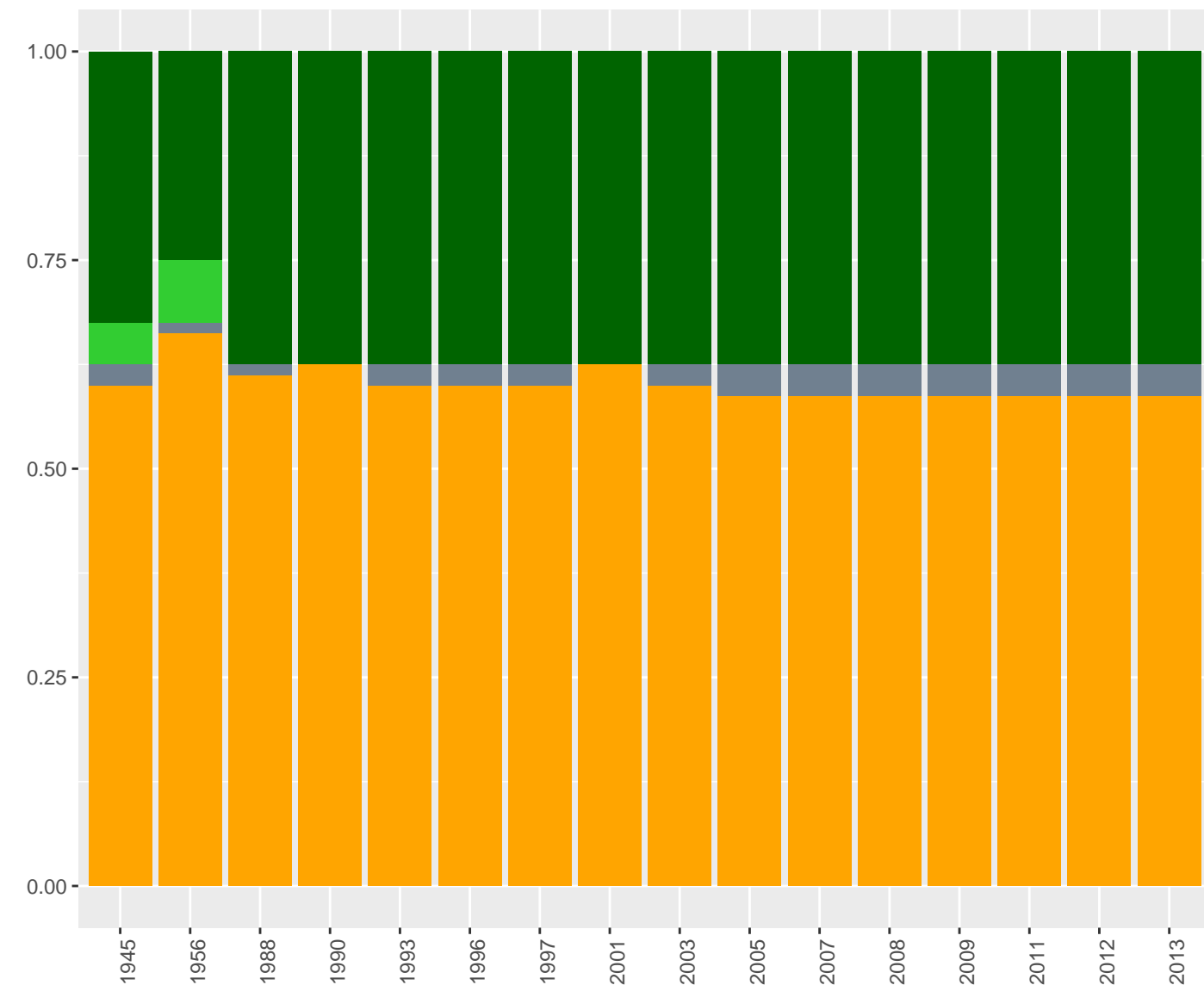
Land cover

Dense forest

Sparse forest

Infrastructures

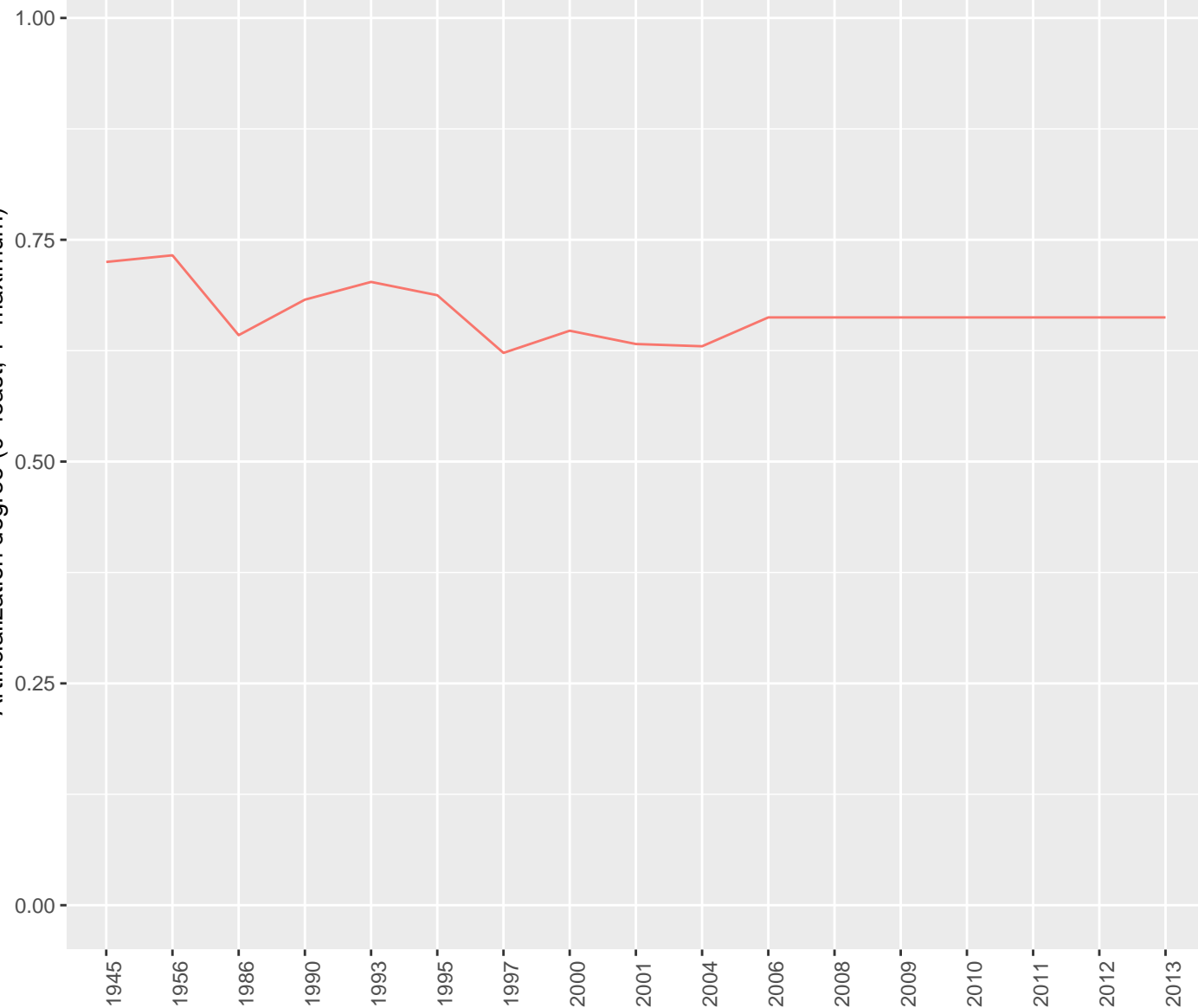
Shrubs, herbs



# VIR – CATALONIA

weights: Fd: 1, Fd+: 2, B: 1, B+: 2, Fs: 3, Fs+: 4, S: 3, S+: 4, W: 5, D: 6, D+: 7, A: 7, A+: 8, I: 9, U:10

Artificialization degree (0=least, 1=maximum)



Land cover

Agriculture

Dense forest

Sparse forest

Shrubs, herbs

Urban

