

# Strategy (2016-2020) for regulation of public use in Collserola Park (Barcelona): a permanent and constant challenge

Consorci del Parc Natural de la Serra de Collserola



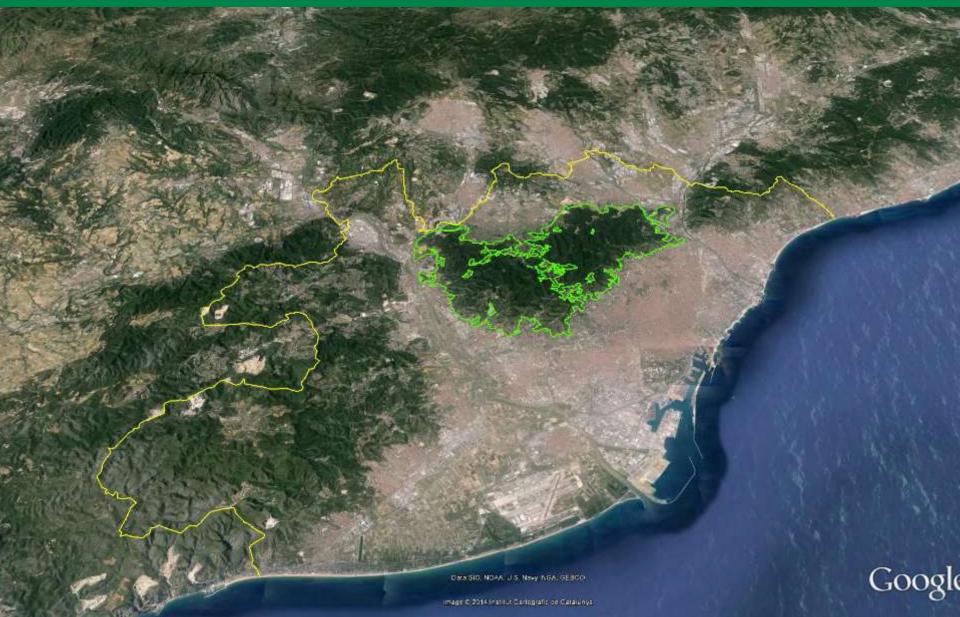




BCN Metropolitana Area: 636 Km<sup>2</sup>

36 municipalities and 3.240.000 inhabitants

Collserola Natural Park: 81 Km<sup>2</sup> (8.100 ha) - N2000 network from 2006



### Situation



# Great diversity of landscapes and habitats

More than 10 million trees More than 1,000 species of plants















# A great biodiversity



# Provider of ecosystem services



# Cultural ecosystem services











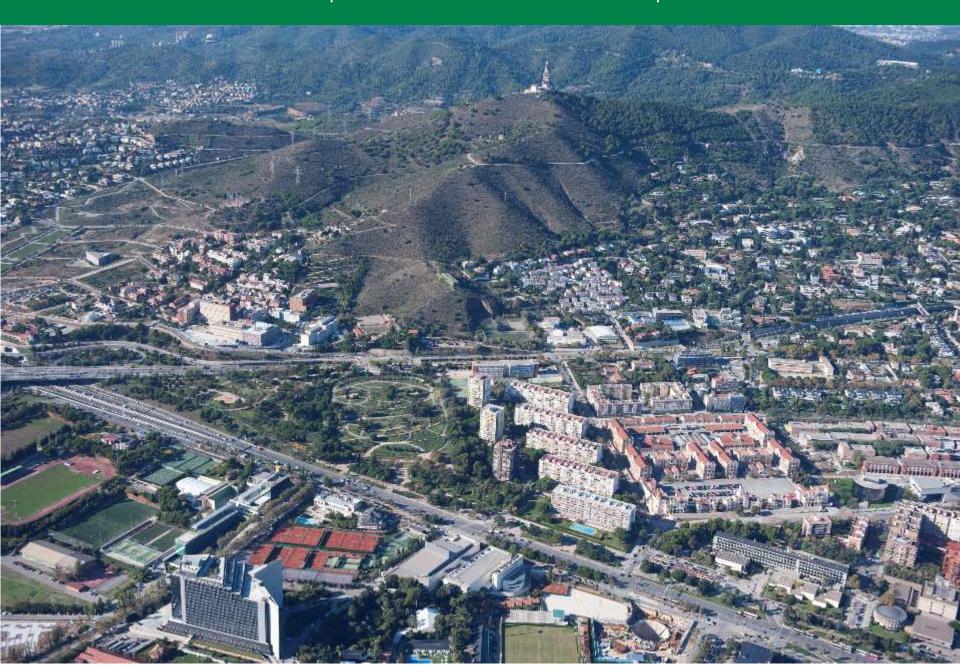


Reception area for the enjoyment of nature, leisure and health

# Great demographic concentration around means ...



# ...Great pressure on the landscape and habitats



# Challenges of present and future

Uses and leisure activities

















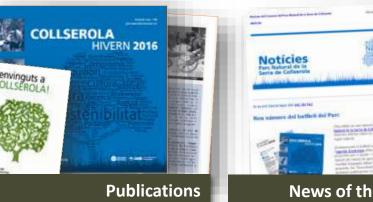
# Communication campaign 2013

With a motto "Collserola takes care of you.

Take care of Collserola!"... To show the ecological and health benefits that represents live near a natural area and the importance of doing

good practices







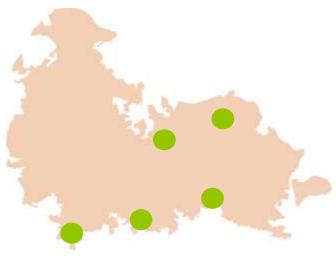






### **Regulation and monitoring of activities**

#### Monitoring of public use from eco-counters









Estimated visitors from data eco-counters

2015

3.350.000

3.500.000

Regulation of authorized activities







### **GOAL**

**Consensus on strategic lines and actions for the planning of Public Use** 



### Permanent table for public use



**Public administrations** 

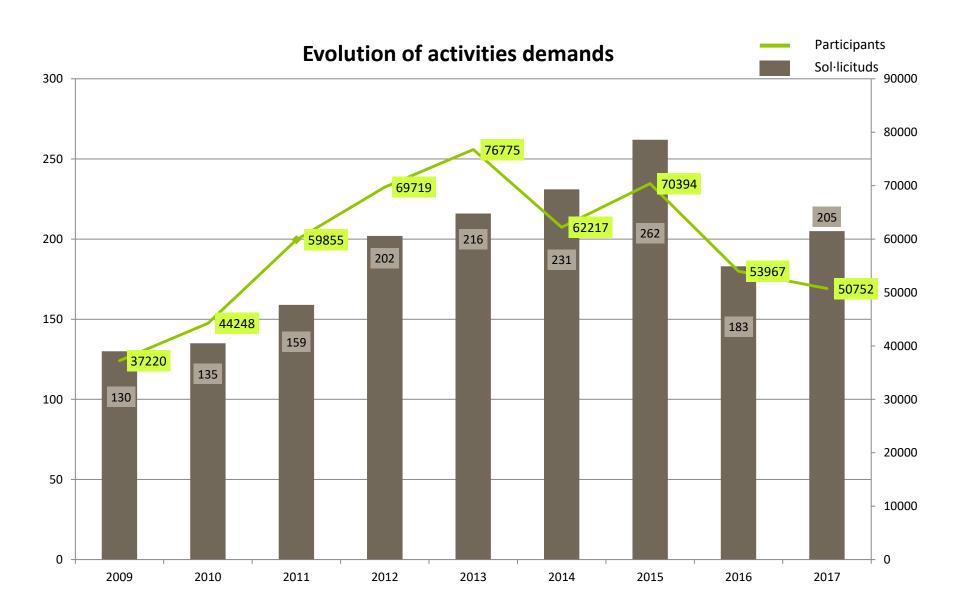


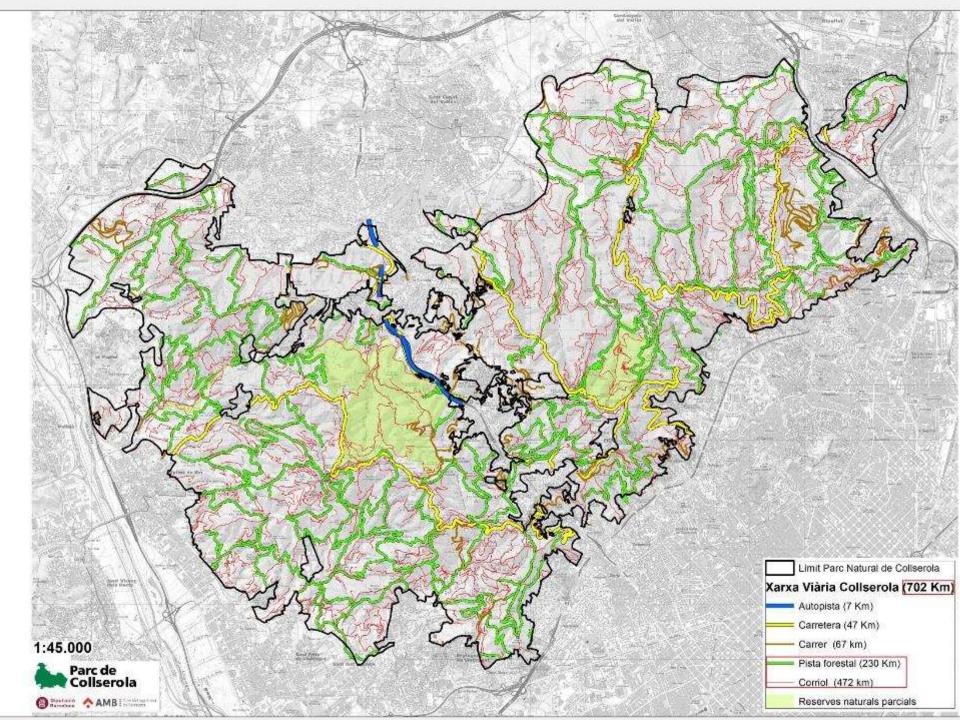
**Associations-Entities-Citizenship** 

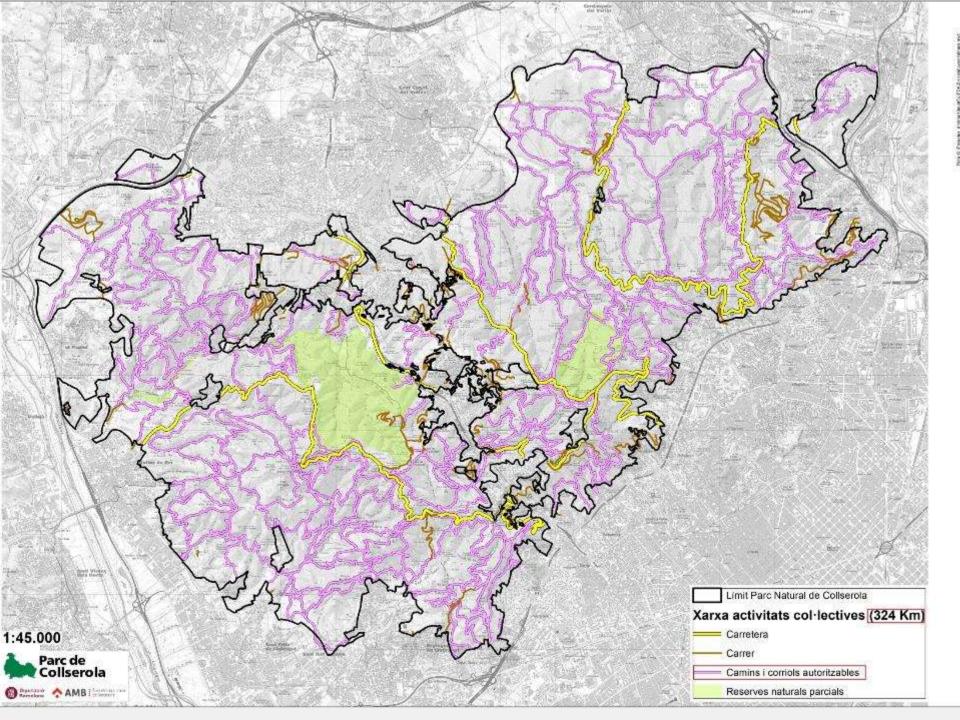


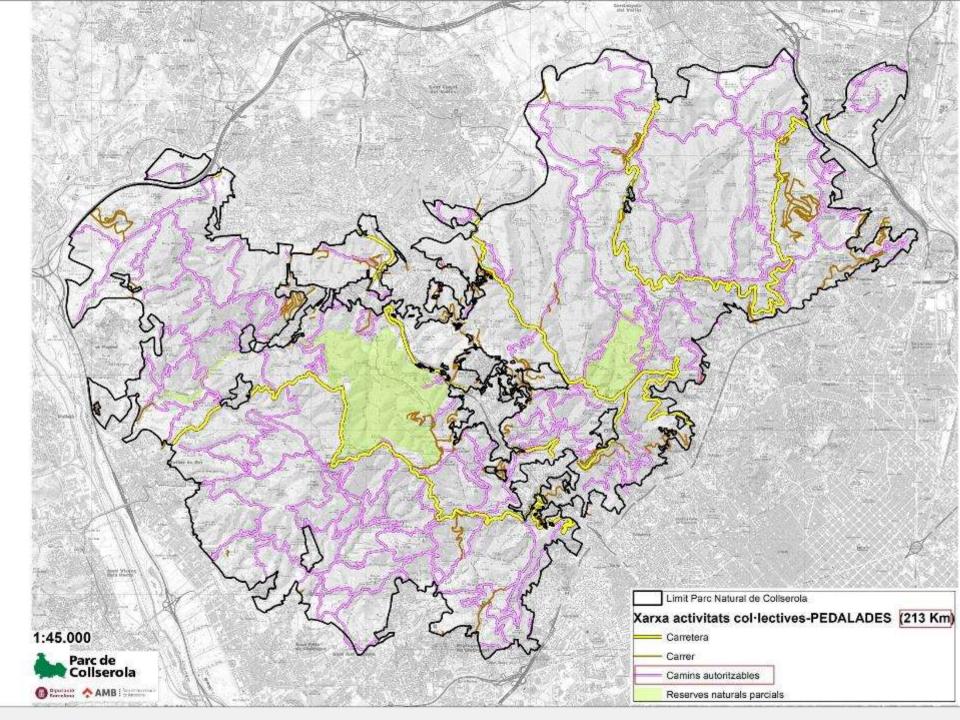
### First action: regulation of the activities

	Max. number per year	Max. number of participants	
0000	15 bike-races	200	
<b>汽汽</b>	1 ultra-trail 2 marathons 20 races <20 km	500	
方方方	50 walks < 10km	500	
次大学	20 orienteering races	200	









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Campaign materials: posters, brochures, panels at Train stations, web banners and social networks.



### **Communication campaign: Vital Territory**



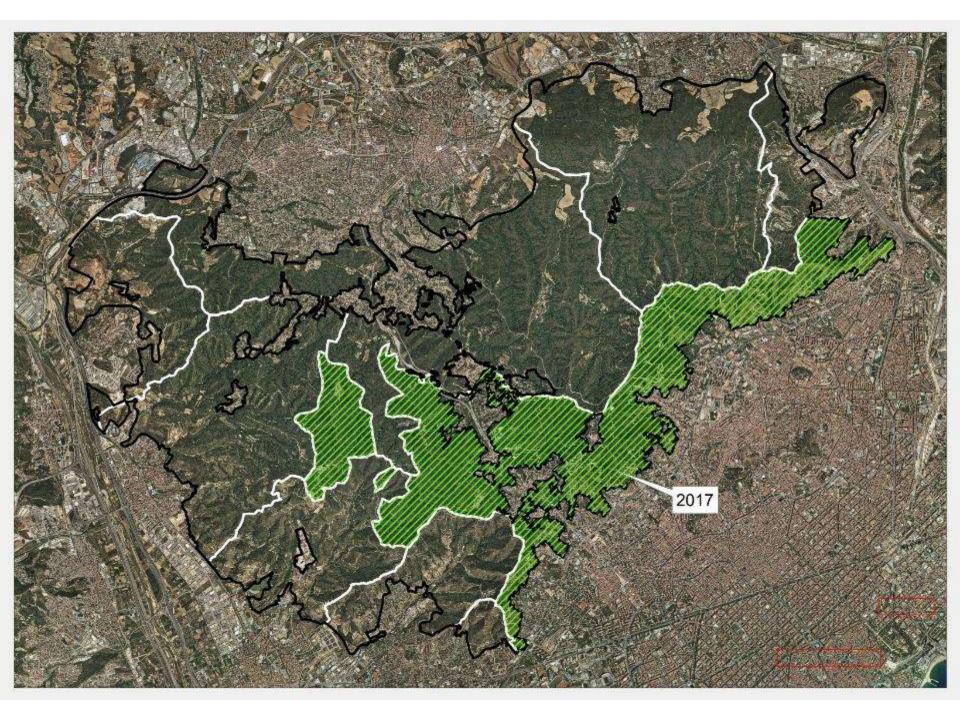


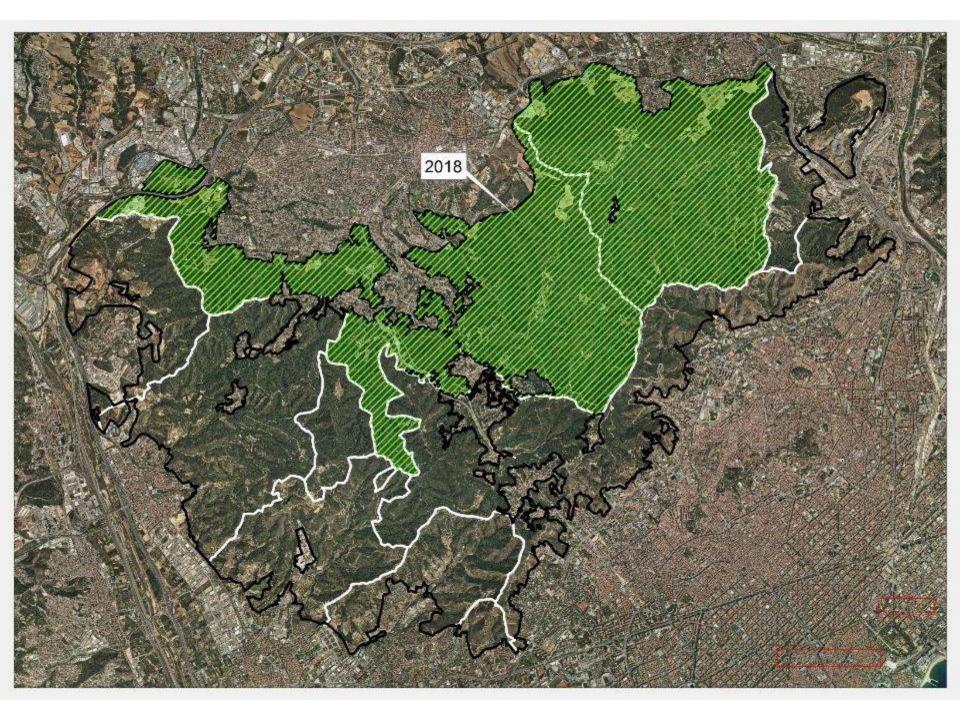
Mobile informational points of the Park and campaign informants on the ground



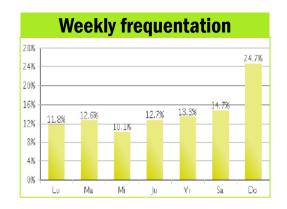


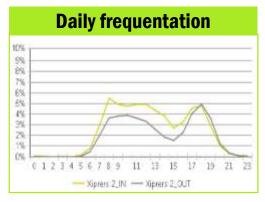






### Frequentation and characterization of users 2017





Surveys of motivation, uses and preferences Municipal district of Barcelona, 2017			
Study RACC	778		
Study INEF	842		
Park informants	384		
TOTAL	1.226		



Activities	Uses/visits	Users/visitors	Average use/visit
Walking, stroll	1.217.643	272.263	4,47
Hiking	724.341	137.881	5,25
Running	867.961	75.398	11,51
Mountain Bike	1.504.875	108.255	13,9
Bicicle high speed descent	38.835	1.011	38,4
Others	139.704	24.444	
Total	4.493.359	619.252	7,2

Affluence, frequentation and characterization study of users in the municipal district of Barcelona. INEF from Lleida University, 2017





**Second action: regulation bike use** 

### **Actions undertaken in 2017**

- New studies on environmental impacts of public use
- New regulation of bicycle use: approval of a bicycle ordinance with a sanctioning framework



### Follow-up and research 2017

### **Study of soil erosion in paths and trails**

- \* Four out of every ten paths analyzed suffer from a very high or high degradation.
- \* The average floor loss is 44.62 m3 / Km, a high value compared to studies carried out elsewhere.
- \* The drainage of the path defines significantly the loss of soil, is a factor to consider in the measures of improvement.
- \* Visitors' frequentation can become an explanatory variable of soil loss mechanisms.
- \* The paths located in wooded and shrubed areas suffer from erosion higher than those located in areas where the scrub is predominant.





Analysis and assessment of the state of the paths of the municipal district of Barcelona. Guim Ursul Colomé, 2017



### Regulation of the use of the bicycle, 2018

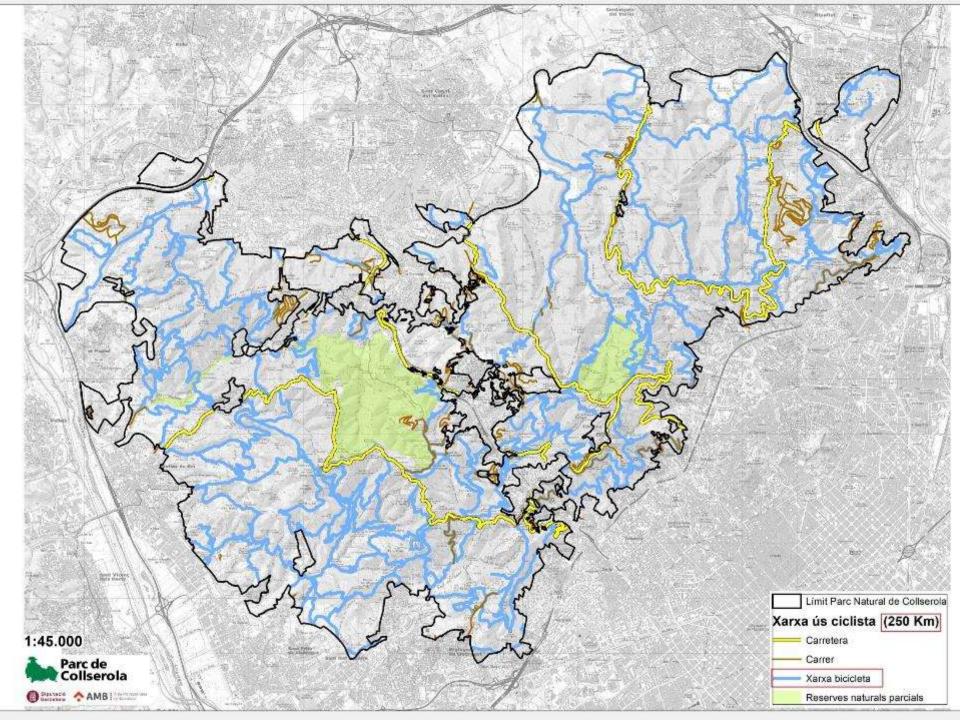






- Approval and publication of the Cyclist Use Map.
- New regulatory ordinances on the use of bicycles with a sanctioning framework.
- Implement a surveillance and security device





# The ordinance that we are processing for its approval proposes, in summary form, the following:

### Minor infractions (Penalty up to € 100):

Do not carry a bell
Do not carry reflective elements or lighting
Do not carry identification

### <u>Serious infractions (Penalty up to € 200):</u> Circular outside the signposted streets Circular on trails, streams or cross-country

Circular at a speed higher than 20 Km / h

### **Very serious infractions (Penalty up to € 500):**

Carry out bicycle races
Circulate through natural reserves

### Municipalities in which the approval of bicycle ordinances is being processed

