

# Nature Conference

## EU Biodiversity Strategy Implementation

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# Assessment of ecosystems and green infrastructure following the Charter of Rome



MINISTERO DELL'AMBIENTE  
E DELLA TUTELA DEL TERRITORIO E DEL MARE

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SOCIETÀ BOTANICA ITALIANA

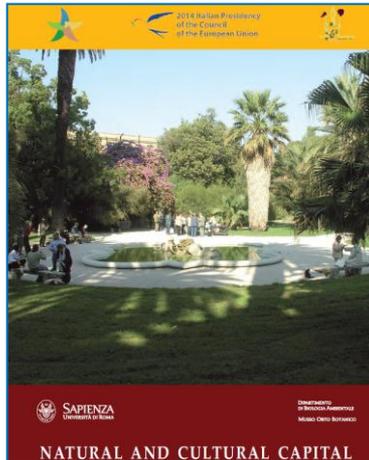


UNIONCAMERE

CAMERE DI COMMERCIO D'ITALIA

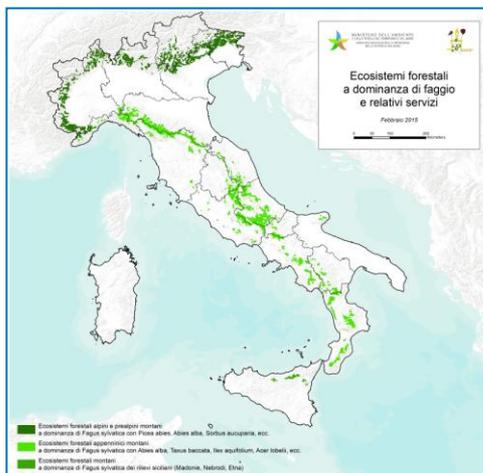
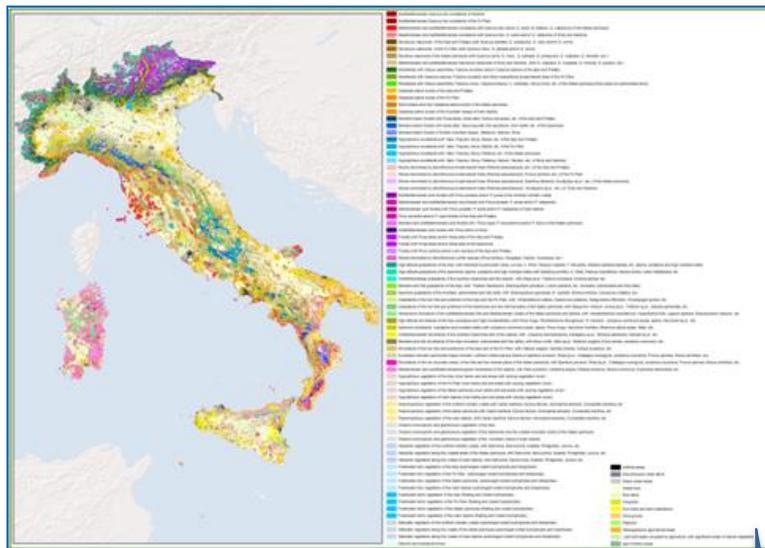
# Charter of Rome on Natural and Cultural Capital

The “Charter of Rome on Natural and Cultural Capital” is aimed at increasing awareness of the **synergies** between Natural and Cultural Capitals in Europe, as well as at enhancing the **integration** of biodiversity concerns into sectoral policies, also in order to develop a **greener economy**.



1. Improve the knowledge of Natural Capital
2. Invest in Natural Capital
3. Secure the functionality of natural and healthy ecosystems
4. Link Natural and Cultural Capitals
5. Create synergies among green infrastructure, urban and rural areas

# The MAES process in Italy



Beech forests (3 ecosystem types)



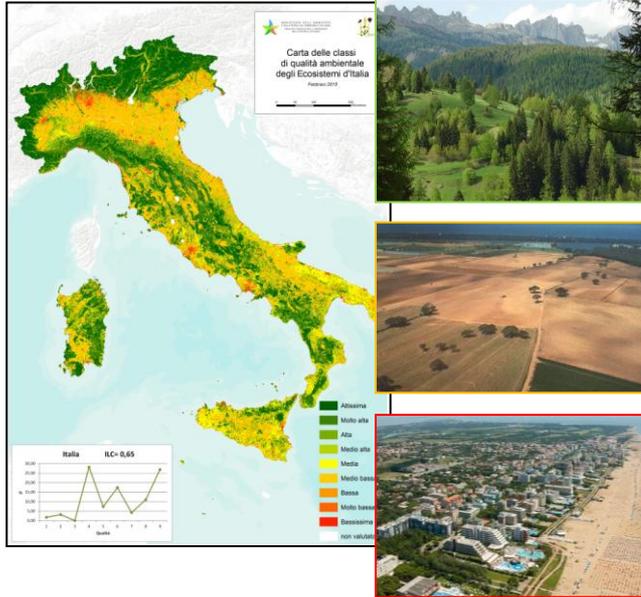
## The Ecosystem Map of Italy

- whole national territory
- 1:100 000 scale
- 91 legend classes

## Maps of Ecosystem Services

- 5 pilot Ecosystems: beech forests, urban forests, olive groves, lakes, Posidonia beds
- selected services: provisioning, regulation and maintenance, cultural

# The MAES process in Italy



## Assessment of Ecosystem conservation status

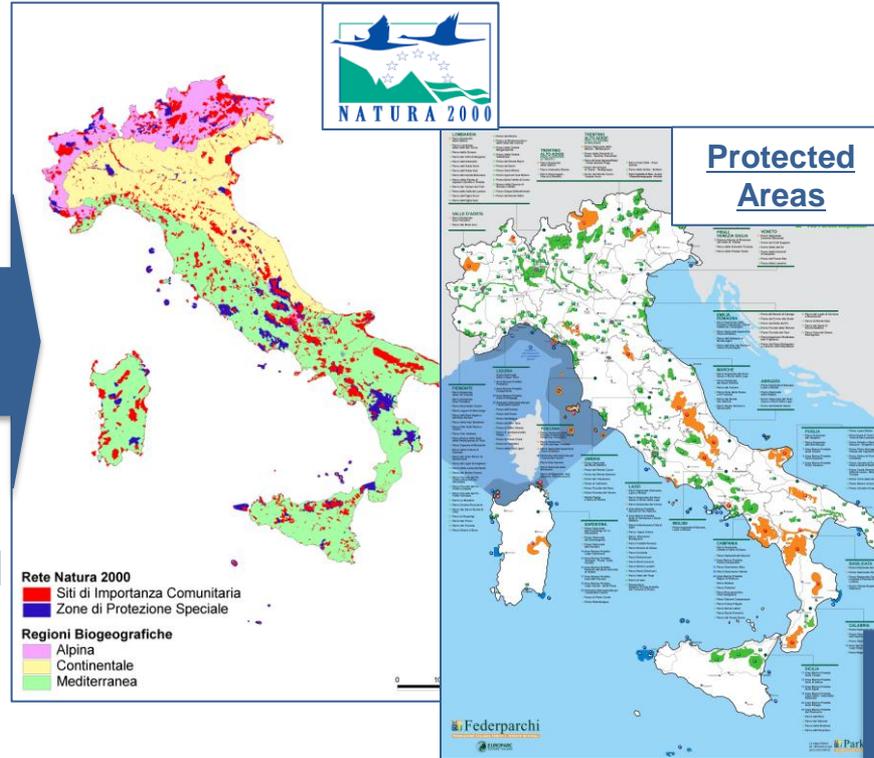
- for mature ecosystems (mainly forests)
- based on both condition and spatial pattern of the ecosystem types

LANDSCAPE CONSERVATION STATUS	SPATIAL CONFIGURATION				
	LOW FRAGMENTATION		HIGH FRAGMENTATION		
	Ecosystem extent $\geq 60\%$ within reference land unit, with few and very wide patches	Ecosystem extent $\sim 60\%$ within reference land unit, with few medium wide and relatively close patches	Few, medium wide and medium distant ecosystem patches within medium wide land units	Few, little and very distant ecosystem patches within narrow land units	Many, little and close <u>ecosystem patches</u> within very wide land units
GOOD	<b>VERY LOW PRIORITY</b>	<b>LOW PRIORITY</b>			
MEDIUM			<b>MEDIUM PRIORITY</b>	<b>HIGH PRIORITY</b>	
BAD					<b>VERY HIGH PRIORITY</b>

Support for the identification of restoration priorities and the development and maintenance of Green Infrastructure

# Building a Green Infrastructure

The results of the MAES process, as well as mapping of the Natural and Cultural Capital support the development of a Green Infrastructure based on Protected Areas and Natura 2000 Network



Sustainable development has a positive effect on the economy of these areas

# Green jobs: Stock, Flows and Added value



more than  
3 million  
green jobs  
in the Italian  
economic system:  
13,3% of total  
occupation

50,700 **green jobs**  
created by Italian  
enterprises in 2014  
(13,2%).  
183,300 “hybrid”  
professions (47,6%)

101 billion euro  
of added value  
produced by green  
jobs in 2013  
(10,2% of total,  
excluding shadow  
economy)



# The real economy of National Parks: a model contrasting the crisis

Gross Domestic  
Product variation  
2011-2013

ITALY  
-1.8%



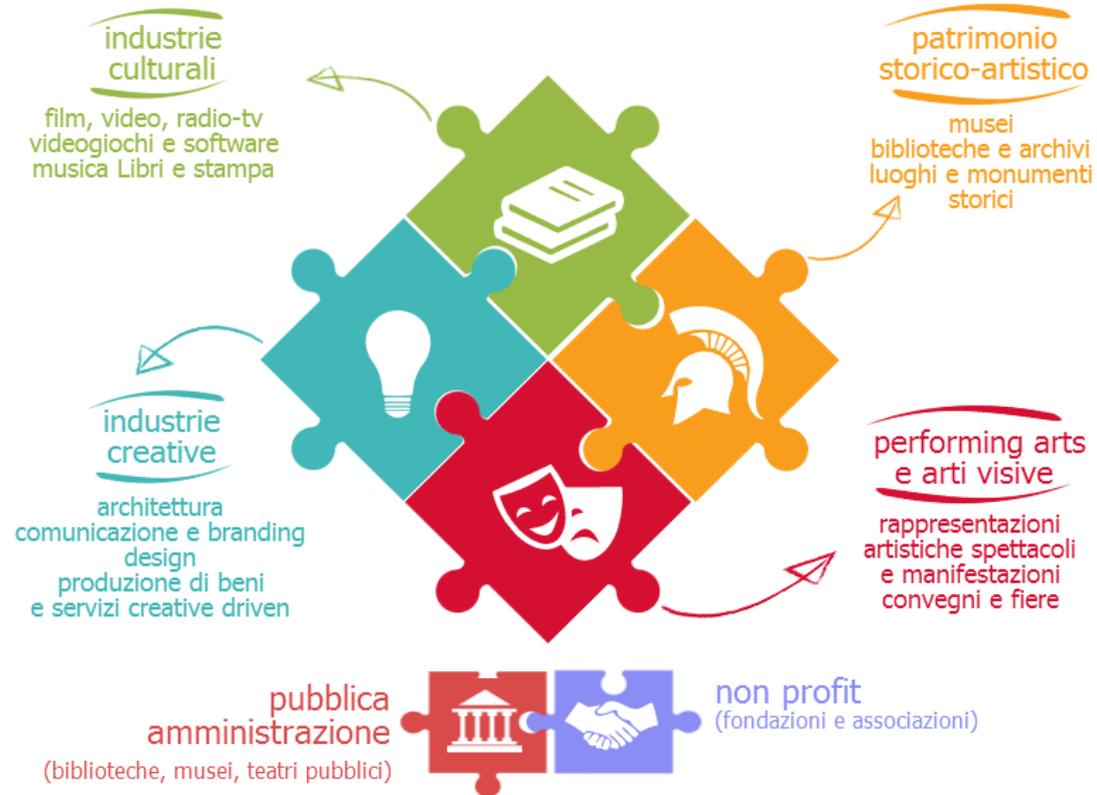
National  
Parks  
-0.6%



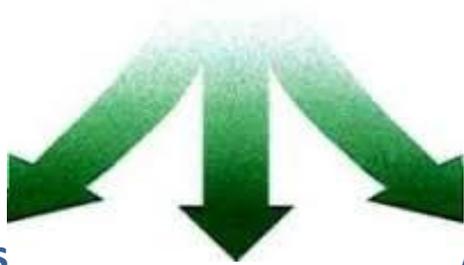
# Cultural Productive System in Italy

Surveys of Unioncamere and Symbola have pointed out the important contribution of the Cultural Productive System to national economy.

The categories include the more strictly cultural activities such as historical and artistic heritage and performing and visual arts (Orange and Red puzzle parts) and the more industrial ones such as cultural and creative industries, including *creative driven* for *food, fashion furniture* (Green and Blue puzzle parts).



# The Cultural Productive System contribution in the Natura 2000 Network and National Protected Areas



## Enterprises

More than 19,000  
6.5%

## Employees

Around 59,000  
4.9%

## Added Value

3 billions euro  
4.6%

In National Parks there are more than 3,000 business units focused on the typical items of the Cultural Productive System.

The companies of the Cultural Productive System within the Natura 2000 Network show better performances than those outside.

# Biodiversity and Protected Areas



“ We are aware that one of the greatest challenges to humanity is that of feeding a constantly growing population without harming the environment, so as to preserve resources for future generations. ”

# Events Calendar

<http://www.expo2015.org/en/explore/thematic-areas/biodiversity-park>

22 MAY	International Day for Biological Diversity: Biodiversity, Food and Sustainable development
12 and 20 JUNE	"Mediterranean experience of eco-tourism" project UNESCO World Natural Heritage and Italian Man and the Biosphere sites (MAB)
4 JULY	IUCN GREEN LIST an assessment tool for biodiversity conservation effectiveness Biodiversity: Natural capital for a new economy
28 AUGUST	Sustainable fishery in Europe and in the world, experiences and prospects for co-management of marine resources
4, 9, 23, 28 SEPTEMBER	Mediterranean mountains European charter for sustainable tourism in protected areas, a tool for nature conservation and land development certification The spacemen diet and planet nutrition A PDO (Protected Designation of Origin) sea
2, 16, 23 OCTOBER	APE: Apennine European Park Mediterranean diet, landscape and sustainable tourism Parks: quality, authenticity and biodiversity

*Thanks for your attention!*