







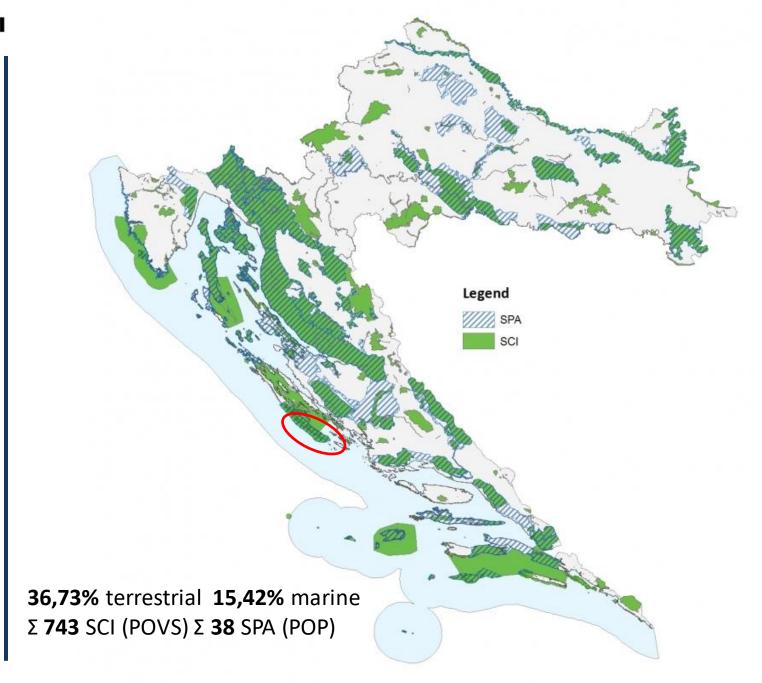
Kornati Archipelago – the densiest archipelago in Mediterranean (147 land units; 320 km²)

- Kornati National Park established in 1980.
- 216 km² = 89 islands, isles and reefs (Land 49,67km² / Sea 167,11km²)
- Length of coast 238 km
- Highest point 237 m
- Lowest point 125 m
- Number of "inhabited" coves 24
- Number of inhabitants 25
- Privately owned 99,99 % (620)





Facts and Figures

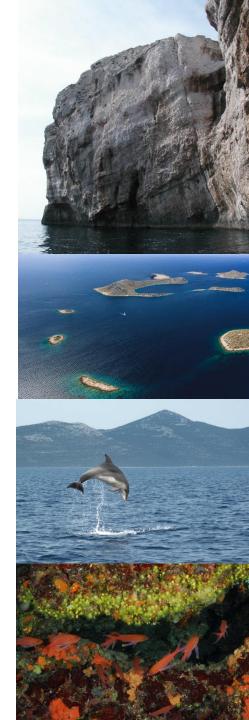






Why national park?

- exceptional geographic & geomorphological features ("crowns")
- anthropogenic terrestrial vegetation (*rocky* pastures)
- rich marine biodiversity and oceanographic specificities
 - + cultural and traditional heritage









• 21 PERMANENT + up to 20 temporary (seasonal) staffing

- Annual budget = cca 1.000.000€
- National budget (50%)
- Fees collected from Kornati NP users (entrance fees, SCUBA diving permits, ...)
- Other sources (donations, funds, ...)









Natural Heritage Terrestrial species and habitats

"High" terrestrial biodiversity

- Important terrestrial habitats: coastal limestone cliff vegetation, tree spurge stands, and the forest community of myrtle and holm oak (Myrto-Quercetum ilicis)
- more than 650 plant species (so far) important plant species: Dubrovnik Knapweed (Centaurea ragusina), Adriatic Iris (Iris adriatica), Illyrian Iris (Iris illyrica), orchids (Orchidaceae)...
- Important bird species: Common Shag (Phalacrocorax aristotelis desmaresti), Alpine Swift (Apus melba), Common Swift (Apus apus), and Pallid Swift (Apus pallidus), Peregrine Falcon (Falco peregrinus), Eagle Owl (Bubo bubo)
- butterflies 18 species, beetles 101 species, ants
 35 species
- 1 amphibian species, 7 reptile species and 3 mammal species







Natura2000 Terrestrial species and habitats

HR4000001 Kornati National Park (SCI)

English name of the species / English name of the habitat	Scientific name of the species / Habitat type code
Pseudo-steppe with grasses and annuals of the Thero-Brachypodietea	6220*
Thermo-Mediterranean (steno- Mediter.) scrub formations with Euphorbia dendroides	5330
Eastern sub-Mediterranean dry grasslands (<i>Scorzoneretalia villosae</i>)	62A0
Vegetated sea cliffs of the Mediterranean coasts with endemic <i>Limonium</i> spp.	1240
Olea and Ceratonia forests (forests of wild olive and carob trees)	9320

HR1000035 Kornati National Park and Telašćica Nature Park (SPA)

Scientific name	English name	Status of the species
Alectoris graeca	rock partridge	breeding
Anthus campestris	tawny pipit	breeding
Bubo bubo	Eurasian eagle-owl	breeding
Caprimulgus europaeus	European nightjar	breeding
Circaetus gallicus	short-toed snake eagle	breeding
Circus cyaneus	hen harrier	wintering
Falco columbarius	merlin	wintering
Falco peregrinus	peregrine falcon	breeding
Gavia arctica	black-throated loon	wintering
Lanius collurio	red-backed shrike	breeding
Lanius minor	lesser grey shrike	breeding
Phalacrocorax		
aristotelis desmarestii	European shag	breeding







Marine species and habitats Natural Heritage

High marine biodiversity

- Neptune Grass (Posidonia oceanica) covering the coastal seabed of the Kornati down to the depth of 25
 30 m (assumption 40 50% coverage)
- corallingeneous habitat (reefs) formed by red algae
- ≥ 1 455 species (so far) assumption up to 3 000
- Bottlenose Dolphin (Tursiops truncatus) 150 individuals
- Loggerhead Turtle (Caretta caretta) a frequent visitor

HR4000001 Kornati National Park (SCI)

English name of the species / English name of the habitat	Scientific name of the species / Habitat type code
Submerged or partially submerged sea caves	8330
Caves not open to the public	8310
Posidonia beds (<i>Posidonia oceanicae</i>)	1120*
Reefs	1170
Large shallow inlets and bays	1160

HR3000419 J. Molat - Kornat - Murter - Pasman - Ugljan - Rivanj - Sestrunj - Molat (SCI)

English name of the species / English name of the habitat	Scientific name of the species / Habitat type
IIdDItdt	code
Common bottlenose dolphin	Tursiops truncatus



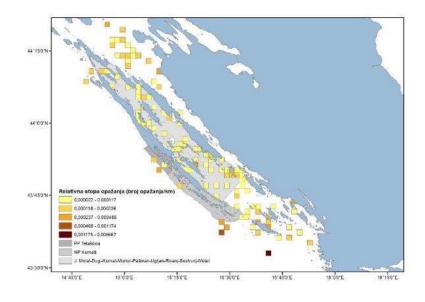


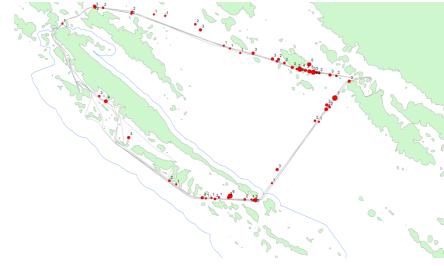


Natural Heritage Marine species and habitats

Bottle-nosed dolphin (*Tursiops truncatus***)**

2010 +; ≥ 150 specimen









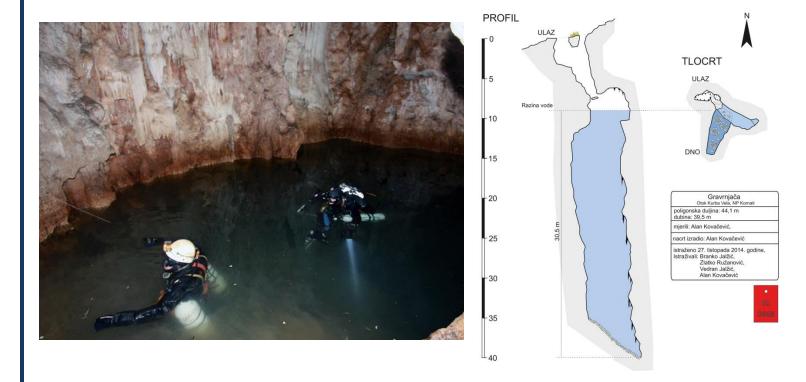


species and habitats Natural Heritage Marine species a

Submerged or partially submerged sea caves 8330

- 2003 +: 10 caves; mapping and profiling, water chemistry, T, species,...

Gravrnjača NP Kornati



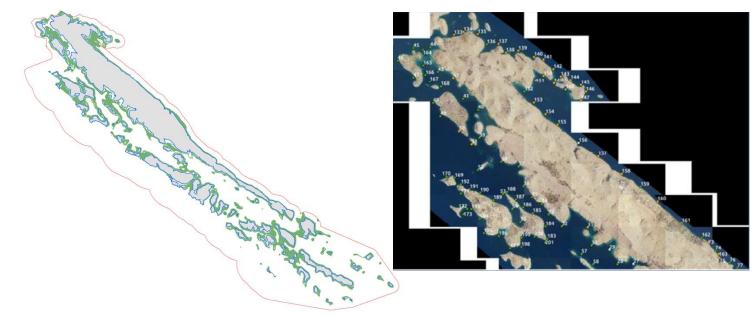




species and habitats Natural Heritage Marine species a

Posidonia beds (*Posidonia oceanicae*) 1120*

- 2009 +; cca 40-50% of infralitoral; mapping and monitoring









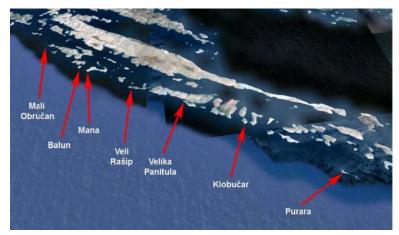


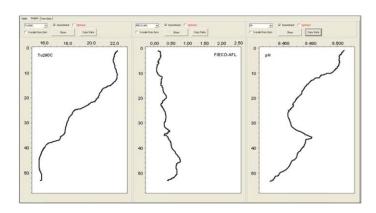


Natural Heritage Marine species and habitats

Reefs 1170

- 2009 +: mapping and monitoring - water physics and chemistry, species,...













and habitats Natural Heritage Terrestrial species

Phalacrocorax aristotelis desmarestii European shag

- Monitoring 2000 +
- 150 pairs breeding population







Natural Heritage Terrestrial species

and habitats

Eastern sub-Mediterranean dry grasslands (Scorzoneretalia villosae) 62A0

- Data (mapping) still missing!!!!
- Invasive species Aleppo pine (*Pinus halepensis*) and Tree of heaven (Ailanthus altissima) due to forbidding controlled fire policy









Long lasting coexistence of man and nature

Traditional activities:

- Sheep-herding
- Olive -growing
- Vineyards (in the past)
- Bee-keeping
- Traditional fishing (forbidden from January 1 2016)







Management plan of Kornati National Park (2014 – 2023)

Goals in long-term sustainable management:

- Preservation of natural and cultural value

 protect and improve biological and landscape
 diversity, cultural heritage and traditional values
 (NATURA2000 species and habitats as priority)
- Visitor education and recreation promote and develop possibilities to understand and enjoy the specific qualities of the Kornati National Park
- Strengthening the local community –
 strengthen the interest of the local population in
 the sustainable usage of natural and cultural
 resources of the Kornati National Park, with the
 aim of better social and economical
 development









Management plan of NATURA2000 sites?

Still in process of preparation – national level!

Phase: Design of guidelines

Management Plan(s) Expected

2019!













Forum for the development of sustainable tourism set up ("**Stakeholder's Forum**")

Sustainable Tourism Development Strategy and Action Plan for the Broader Kornati National *Park Area* (2015 – 2019)

- 40 activities
- 4.000.000 €
- 40 agreements signed









- PRIVATE PROPERTY (and national governance!!!!)
- LACK OF COOPERATION WITH OTHER STAKEHOLDERS (especially land-owners illegal activities—fishing, abandoning traditional activities—controlled fires forbidden)
- No political recognition of "smart governance" (European Charter for Sustainable Tourism)
- HIGH MANAGEMENT COST (not much left for priority activities)
- INADEQUATE LEGISLATION (old physical plan, lack of authority of park rangers, ...)
- LACK OF INFRASTRUCTURE (still no visitor center(s), buoys and pontoons,...)
- ENVIRONMENTAL ISSUES (invasive species Caulerpa racemosa, Pinus halepensis, damages on the sea bottom caused by anchoring, flooding garbage, marine litter, no sewage systems...)







EU Natura 2000 Integration Project – NIP

Loan Agreement with the World Bank

- Visitor's center in Kornati NP reconstruction and conversion of the existing building into the Visitor Center "Vrulje" in NP Kornati
- Visitor's center in Betina (Murter Island) reconstruction and conversion of the existing building into the Visitor Center Kornati NP and Vrana Lake Nature Park

IPA 2011

Supporting CSOs in Development of Partnerships for Sustainable Use of Protected Areas in Croatia, Including Potential NATURA 2000 Sites

- 1. Partnership for sustainable use of common marine resources

 Status: Project partner Total budget: 116 000 €
- 2. Revitalising local traditional practice of sustainable use of natural resources of the island Murter and its Natural region

Status: Associated partner Total budget: 110.000 €



(EU) FUNDING

UNDP - Global Environment Facility (GEF), government, PAs PARCS (2014 – 2018)

Status: Beneficary Total budget: 22.964.116 US\$

ESI Funds

OP Competitiveness and cohesion 2014 – 2020
TO Environmental Protection and Sustainability of Resources
REDIVIVA project

Status: Lead Partner Total budget: 5.900.000 €

INTERREG MED

- ACT4LITTER Status: Associated partner
- **DESTIMED** Status: *Beneficary (40.000 €)*





THANK YOU







Public Institution "Kornati National Park"

Murter – CROATIA www.np-kornati.hr

martina.markov@np-kornati.hr



