

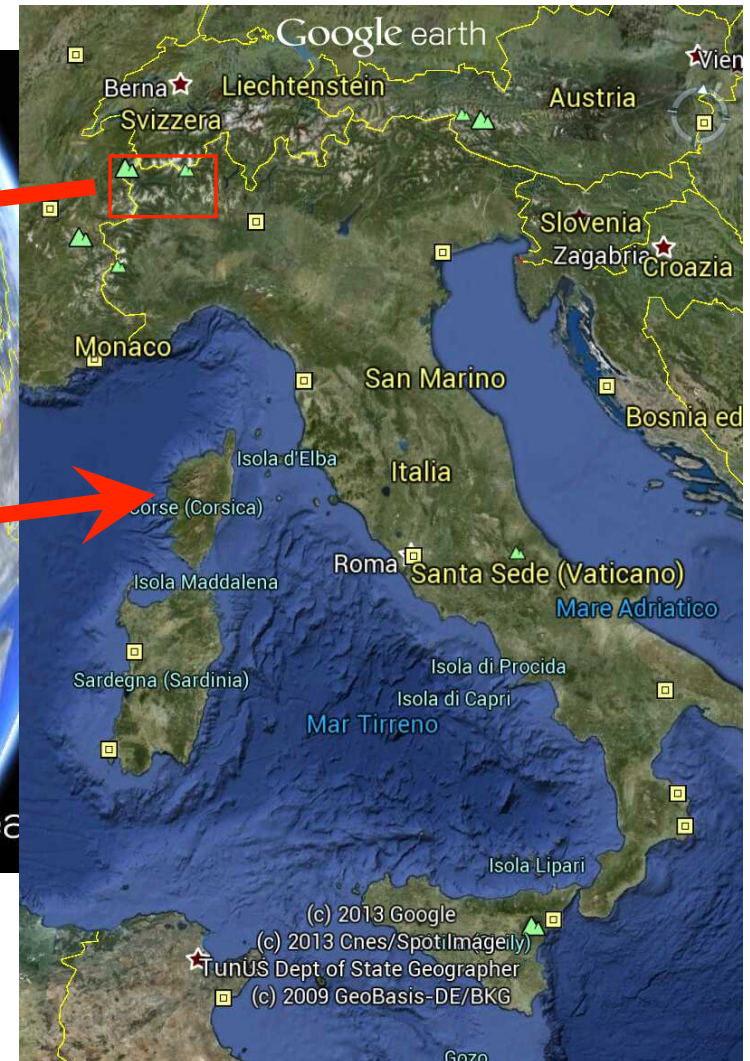
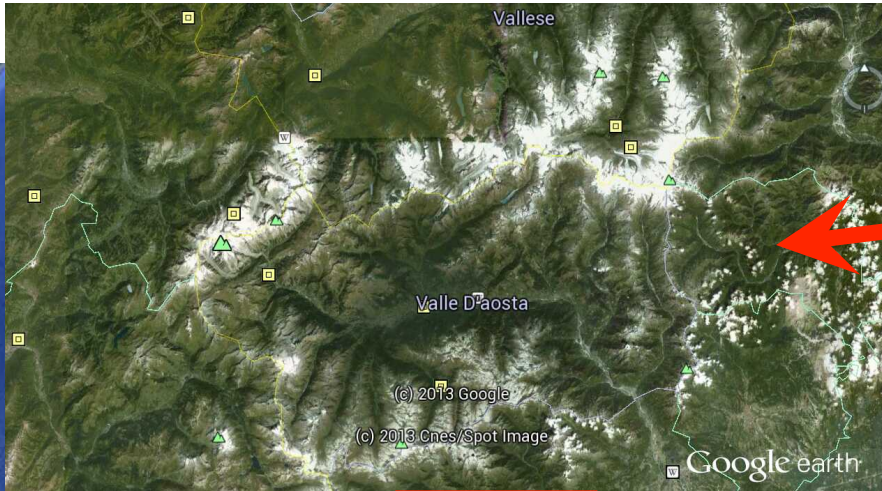


Nature Conservation in Aosta Valley

07/14/2016

Santa TUTINO

Regione Autonoma Valle d'Aosta
Assessorato Agricoltura e Risorse naturali
Aree protette



Aosta Valley

Surface: 3.263 Km²

Inhabitants: 128.230 (al 1/1/2011)

Density: 39 ab/Km²

Altitude min: 340 m (Pont-Saint-Martin)

Altitude max: 4.810 m (Mont Blanc)

Altitude medium: 2.100 m circa



Protected areas Service: activities



- Protected natural areas, european ecological network Natura 2000, alpine gardens:
planning, management and control
- Research and monitoring on biodiversity
- Information and environmental education to promote knowledge and heritage protection
- Enhancement:
plan, design and implement projects
- Nature tourism

Natural heritage



- Protected areas :**13.7 %**
- Natura 2000 european ecological network : **30,4 %**
- alpine botanic gardens



Aosta Valley, a region with high beauty content

Protected natural areas

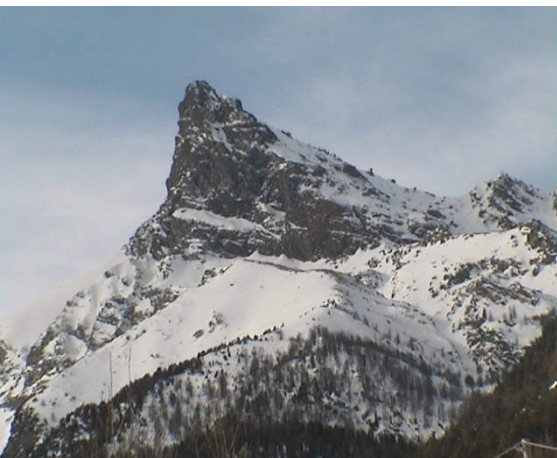


- Gran Paradiso National Park
- Mont Avic Natural Park
- 10 Nature Reserves

The Park's scope

Sustainable management of the territory, preserving environment, landscape and biodiversity, creating the conditions for orienting local systems towards forms of sustainable development





Gran Paradiso National Park

Created in: 1922

Surface area : tot. 70,000 ha,
(37,078.4 ha in Aosta Valley)

Municipalities: Cogne, Valsavarenche, Rhêmes
N.D., Rhêmes S.G., Introd,
Aymavilles, Villeneuve

Mont Avic Natural Park

Created in: 1989

Surface area: 5.747 ha

Municipalities: Champdepraz, Champorcher

Regional Nature Reserves

- Côte de Gargantua
 - Lago di Lolair
 - Lago di Villa
 - Les Iles
 - Marais di Morgex e La Salle
 - Stagno di Holay
 - Stagno di Lozon
 - Tsatelet

 - Mont Mars
 - Montagnayes
- small surfaces
 - glacial lakes, wetlands, pounds, bogs, drylands, plants and animals of great value
 - protected by regional law n. 30/1991



Protected areas system





Région Autonome
Vallée d'Aoste
Regione Autonoma
Valle d'Aosta

VIVA
Valle d'Aosta
unica per natura



RÉSERVE NATURELLE
MONTAGNAYES

Montagnayes Natural Reserve





Région Autonome
Vallée d'Aoste
Regione Autonoma
Valle d'Aosta



Montagnayes Natural Reserve

Created by a regional act in 2013 to preserve:

- **habitats and alpine ecosystems,**
- **rich fauna populations, an example of regional wilderness areas**



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Région Autonome
Vallée d'Aoste
Regione Autonoma
Valle d'Aosta



Montagnayes nature reserve



Surface: 1.170 ha

Alt. min: 1.505 m

Alt. max: 3.321 m

Municipality: Bionaz

Land cover:

- cliffs and screes: 69%
- Forests: 20%
- Meadows and pastures: 9%
- heaths and scrubland: 2%



Région Autonome
Vallée d'Aoste
Regione Autonoma
Valle d'Aosta



Fauna 13 species of mammals

<i>Marmota marmota</i>	Marmot
<i>Sciurus vulgaris</i>	Red Squirrel
<i>Vulpes vulpes</i>	Fox
<i>Mustela erminia</i>	Stoat
<i>Martes foina</i>	Weasel
<i>Martes martes</i>	Marten
<i>Capreolus capreolus</i>	Roe deer





Région Autonome
Valle d'Aosta
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Valle d'Aosta



Birds

- 47 species
- 9 species listed in Annex 1 Directive 2009/147/EEC



© Roberto Andrighetto

<i>Lagopus muta</i>	Partridge
<i>Tetrao tetrix</i>	Grouse
<i>Aquila chrysaetos</i>	Golden Eagles
<i>Glauclidium passerinum</i>	Pygmy Owl
<i>Aegolius funereus</i>	Boreal Owl
<i>Dryocopus martius</i>	Black woodpecker
<i>Pyrhocorax pyrrhocorax</i>	Chough



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BUTTERFLIES

Parnassius apollo



*Euphydryas
glaciegenita
(syn. E. aurinia)*



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 RÉSERVE NATURELLE
MONTAGNAYES



Flora : 197 species of plants

Orchidea sambucina



Genziana acaule



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Habitats

Alpine and Boreal heaths

Siliceous alpine and boreal grasslands

Acidophilous Picea forests of the montane to alpine levels

Alpine Larix decidua and/or Pinus cembra forests

Siliceous scree of the montane to snow levels

Calcareous rocky slopes with chasmophytic vegetation



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Behavioral Norms

In natural reserve, it's forbidden:

- depositing waste or materials of any kind;
- exercise hunting;
- withdraw fauna and collect any specimen of flora,

European ecological network NATURA 2000

Habitats Directive: a Community legislative instrument in the field of nature conservation that established a common framework for the conservation of wild animal and plant species and natural habitats of European importance



Natura 2000:

A network of special areas of conservation (SAC) to “ maintain and restore, at favourable conservation status, natural habitats and species of wild fauna and flora of Community interest”



SACs (special areas of conservation):

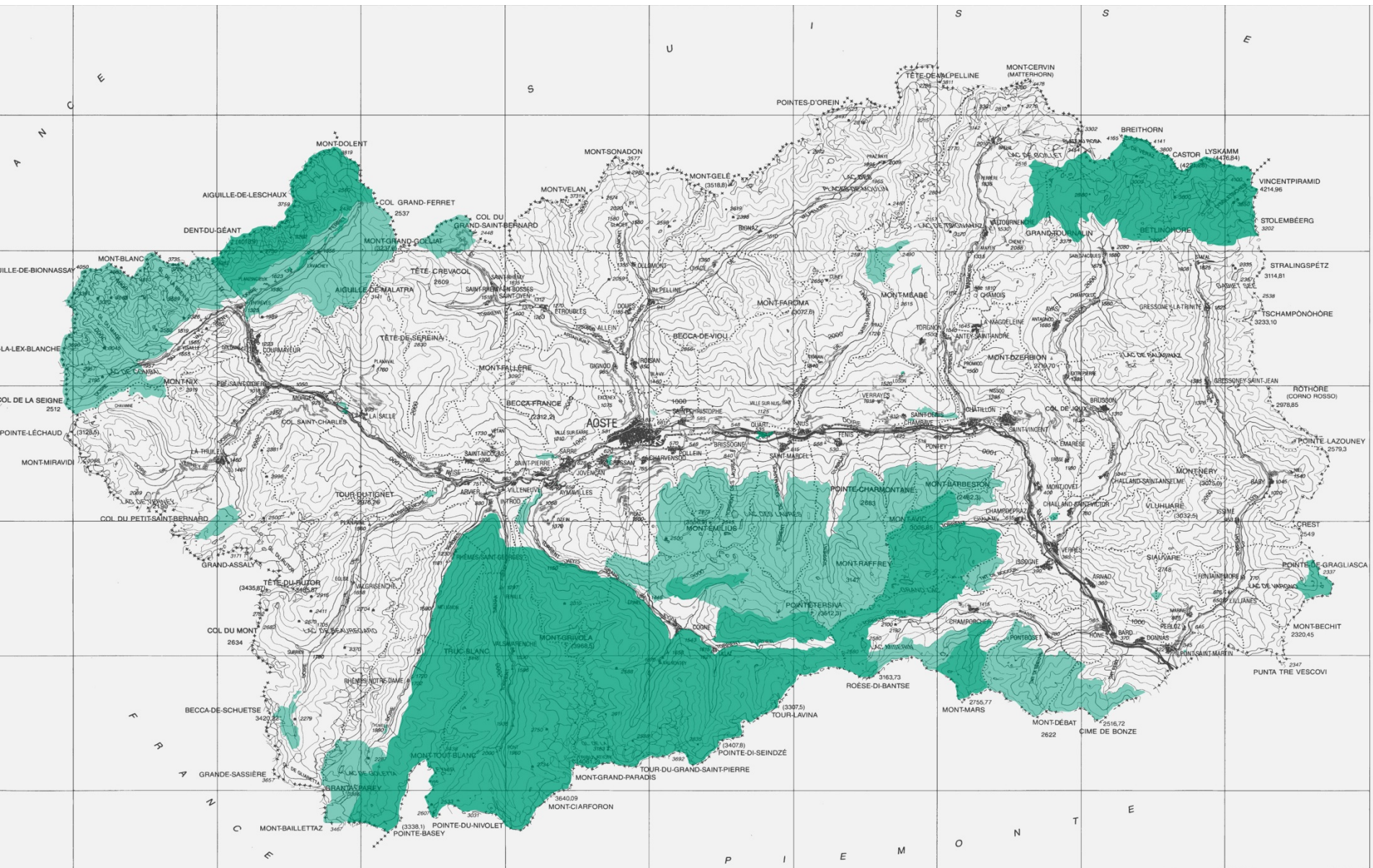
natural habitats and species of wild fauna and flora listed in annex Habitats Directive (92/43/ECC)

SPAs (special areas of protection):

wild birds listed in Annex Birds Directive (2009/147/EEC)



European ecological network NATURA 2000



Equidistanza fra le curve di livello :250m
Equidistance des courbes de niveau :250m

Priority habitat types in Aosta Valley

6110	Rupicolous calcareous or basophilic grasslands of the <i>Alyso-Sedion albi</i>
6230	Species-rich <i>Nardus</i> grasslands, on siliceous substrates in mountain areas
7110	Active raised bogs
7210	Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>
7240	Alpine pioneer formations of <i>Caricion bicoloris-atrofuscae</i>
8240	Limestone pavements
9180	<i>Tilio-Acerion</i> forest of slopes, screes and ravines
91E0	Alluvional forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)
9430	Subalpine and mountain <i>Pinus uncinata</i> forests (* su substrato gessoso o calcareo)

Management activities on protected areas : Iles di Saint-Marcel



The wetland of Les Iles is the most important site in the region for migratory birds to stop and feed

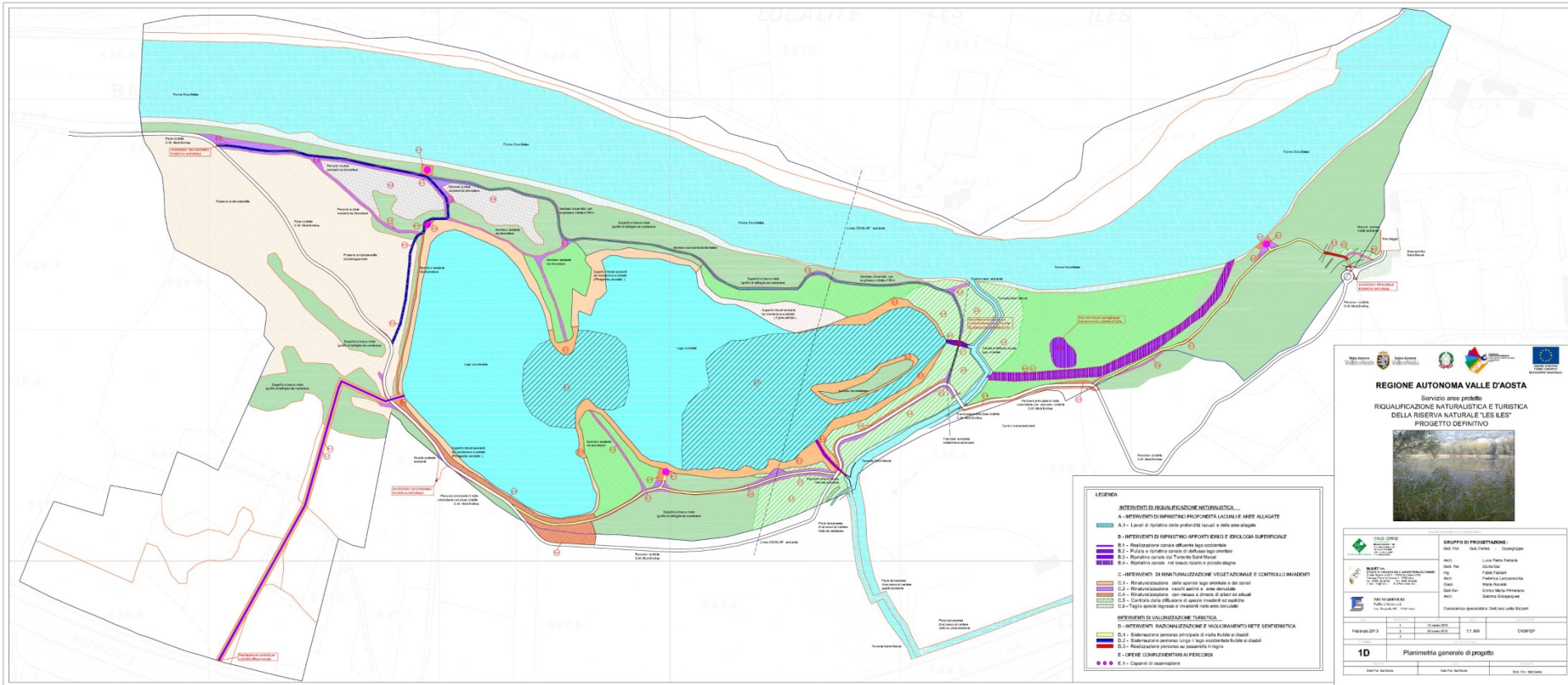


Regional project of natural and tourist redevelopment with European funds of SCA Les Iles Saint-Marcel

- to restore environmental conditions suitable for the conservation of natural components and for the tourist development of the site
- a precise zoning has identified areas for visitors, also equipped for persons with disabilities, and those foreclosed to the public.
- A new integral nature reserve for birds conservation



Restoration SCA Les Iles di Saint-Marcel



- LEGENDA**
- INTERVENTI DI RIQUALIFICAZIONE NATURALISTICA**
- A - INTERVENTI DI RIPRESTO PROPRITÀ LOCALI E AREE ALLIGATE**
- A.1 - Lavori di ripristino delle proprietà locali in aree allagate
- B - INTERVENTI DI RIPRESTO AFFIDUCIARIO E IDROLOGIA SUPERFICIALE**
- B.1 - Realizzazione canali affluenti lago Valsarona
 - B.2 - Pulizia e riordino canali e deflussi lago Valsarona
 - B.3 - Riordino canale del Torrente Saint-Marcel
 - B.4 - Riordino canale nel basso ripetto a monte saggio
- C - INTERVENTI DI RINATURALIZZAZIONE VEGETAZIONALE E CONTROLLO INVAJENTI**
- C.1 - Rinnaturalizzazione delle sponde lago Valsarona e dei canali
 - C.2 - Rinnaturalizzazione sponde saggia e aree allagate
 - C.3 - Rinnaturalizzazione con messa a dimora di alberi di canale
 - C.4 - Controllo della diffusione di specie invasive nel canale
 - C.5 - Trapianto di specie native e controllo delle specie invasive
- INTERVENTI DI VALORIZZAZIONE TURISTICA**
- D - INTERVENTI DI RINATURALIZZAZIONE E MIGLIORAMENTO RETE SENTINELLA**
- D.1 - Sistemazione percorso principale di visita fluviale ai canali
 - D.2 - Sistemazione percorsi di visita lungo i deflussi fluviali e canali
 - D.3 - Sistemazione percorsi di osservazione di fauna
- E - OPERE COMPLEMENTARI AI PERCORSI**
- E.1 - Coperti di osservazione

REGIONE AUTONOMA VALLE D'AOSTA
 Servizio area protetta
 RIQUALIFICAZIONE NATURALISTICA E TURISTICA
 DELLA RISERVA NATURALE "LES ILES"
 PROGETTO DEFINITIVO

GRUPPO DI PROGETTAZIONE

Dir. Art. **Roberto** - **Stanzione**

Arch. **Luca Paolo Farnetti**

Dir. Agr. **Giuseppe**

Ing. **Fabio Pagan**

Arch. **Francesca Lancia**

Geom. **Maria Nappi**

Dir. Agr. **Enrico Motta**

Arch. **Sabrina Cordero**

Consulenza specialistica: **Dati del Lago Report**

Fascicolo: 30/3	1	12 marzo 2011	11.000	Chiusura
	2	20 marzo 2011		

ID Planimetria generale di progetto

Scale: 1:5000, 1:10000, 1:20000

Management and promotion activities



Marais nature reserve



Management and promotion activities



Research activity



The implementation of scientific knowledge, the monitoring of natural resources

Research activity



The biotech lab
In the lab, a genetic analyzer mainly focused on DNA analysis to support research projects concerning studies on biodiversity conservation

THANKS FOR YOUR ATTENTION

