

Floristic inventories in the Mercantour National Park

Presentation of the flora inventory protocol and its application to preserve patrimonial species

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Berardia subacaulis



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Carex bicolor

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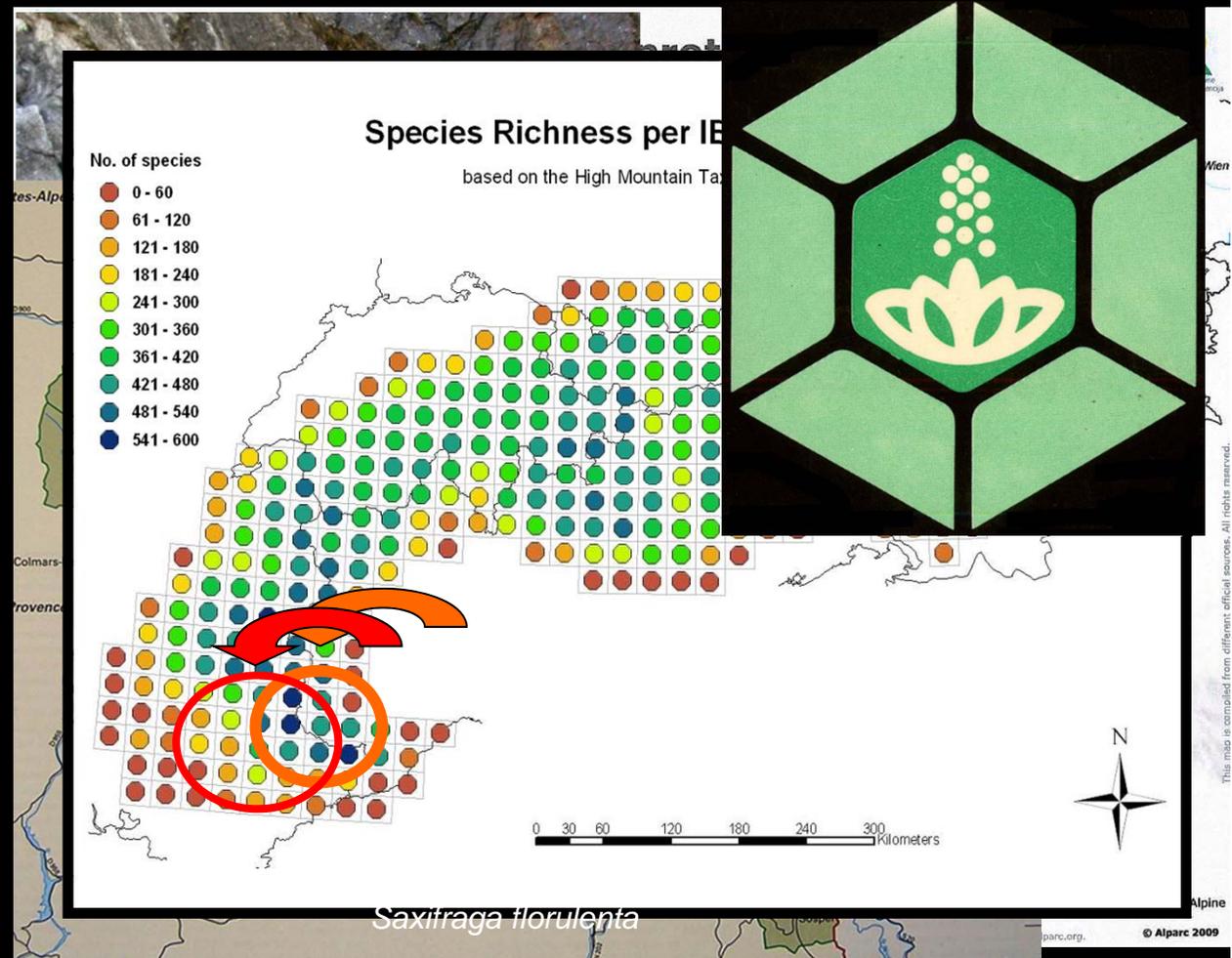
1 – Floristic context

Considerable floristic diversity : approximately **2000 identified plant species**.

An original flora :
32 endemic species



The massif of Mercantour :
**A Biodiversity
« hot spot »**



2- Definition of the project

« **Identify and look for the remarkable species in the national park.** »

It is also about setting up an **assessment tool for the floristic patrimony** which will enable us to answer the following questions :

- «*how many protected species are there in the National Park ?* »
- «*Where are the species listed in the annex IV.b of the Habitats Directive for the implementation of Natura 2000 to be found?*»
- «*Where are the conservation issues of a national Park ?*»



Lilium bulbiferum var. croceum

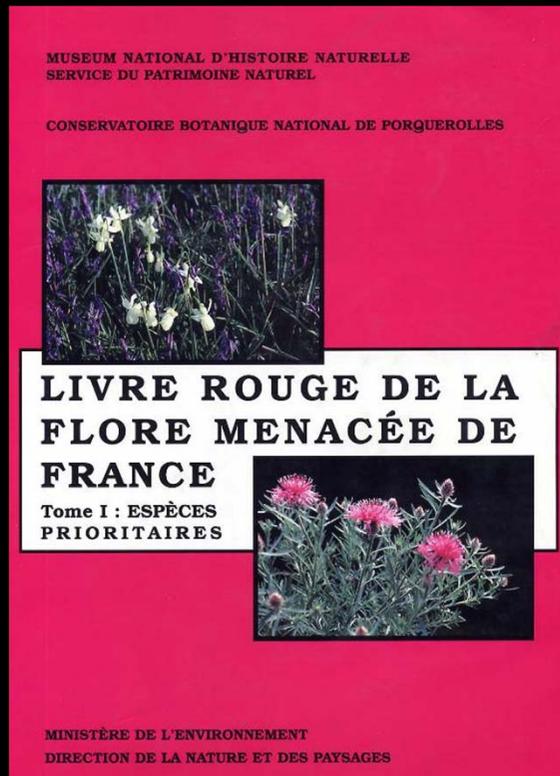
3 - Methodology ^{1/2}



Adonis pyrenaica

The choice of species to search for

Species identified by one or more of these factors were taken into account :



- **protection** :

International, national or regional regulation

- **rarity with conservation issues** :

The Red Book of the threatened flora of France.

- **recommendations of experts** :

Recognition of strong specificities : strict endemism, area limits...

3 - Methodology 2/2

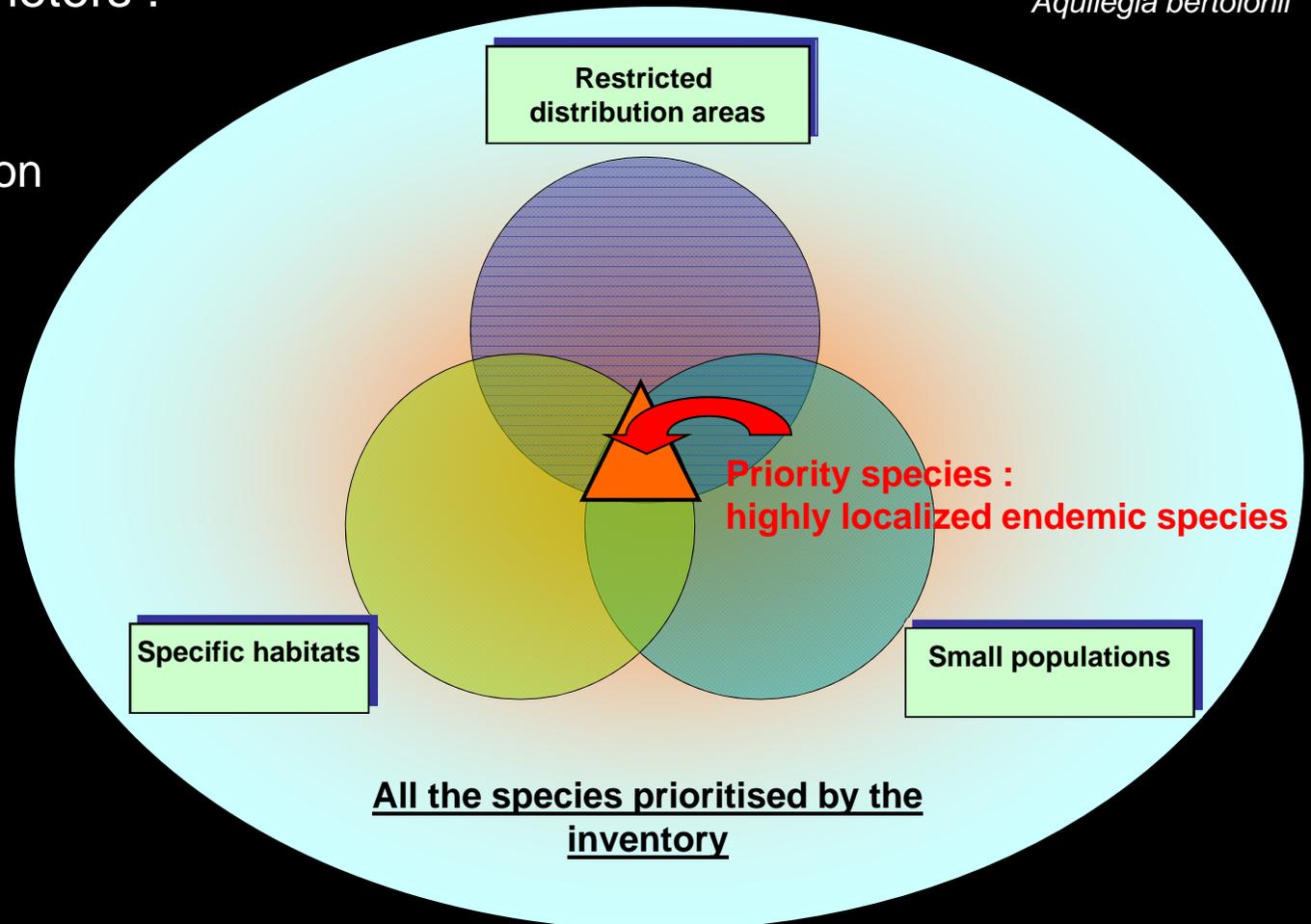


Aquilegia bertolonii

Definition of inventory priorities

Recognition of 3 parameters :

- the size of the distribution area.
- the habitat specificity.
- the population size.



4 –Protocol implementation

There were around **2000** species **identified** in the national park.

Of those, **230** species are **considered by the inventory protocol** of which **36** are prioritised.

For each of the **36** **priority** species in the national park, It was required to : :

- confirm the known location
- describe the stations
- search for new stations

The inventories began in 2000

Rangers are regularly trained to identify plant species



Iberis auroserica



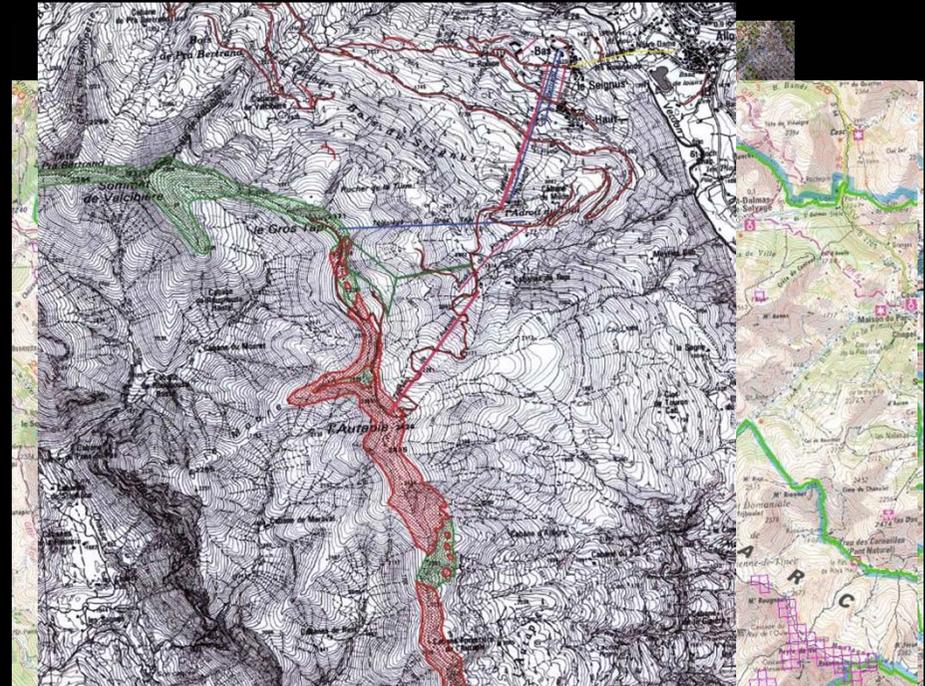
5 - Results, season 2010 -

Number of identification: **3600**

Improved knowledge of the patrimonial species localisation

We are now able to provide, whenever the national park advice is requested :

- A definition of management procedures
- Works Authorisations



Localisation de *Saxifraga florulenta*

Carte de répartition de *Ceranium argenteum*



Localisation d'*Androsace helvetica*



6 – An example of application

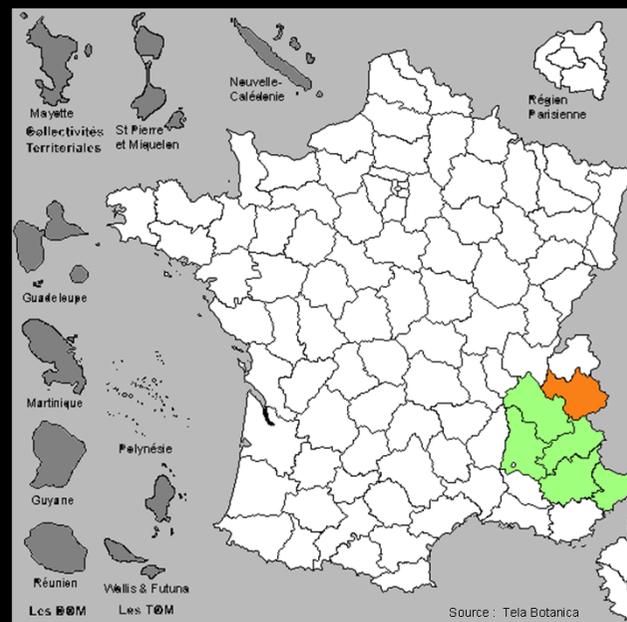
Compensatory measures during the construction of a new chairlift on the ski resort of La Foux d'Allos



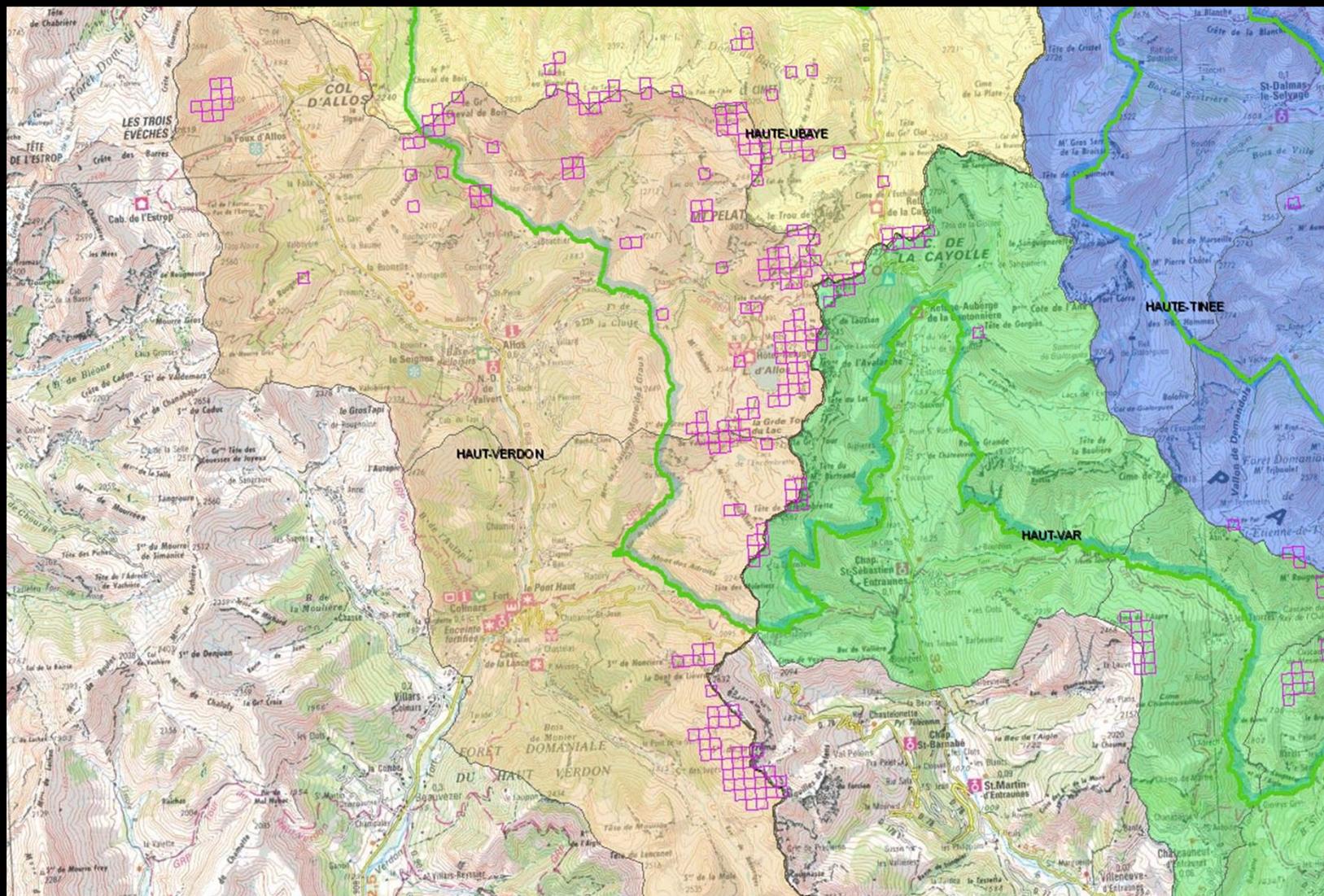
6 - Berardia Subacaulis in Haut Verdon 1/3



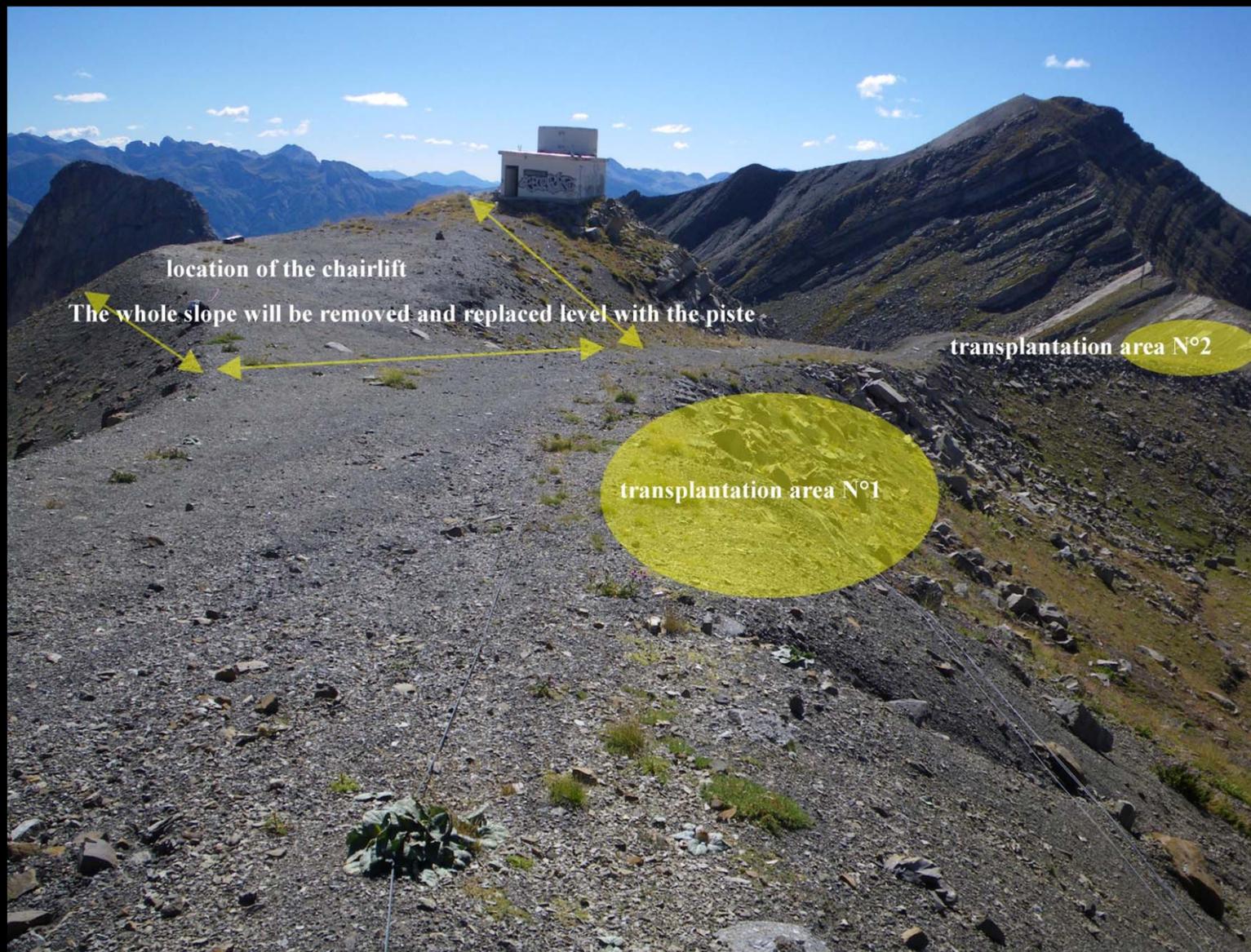
6 - *Berardia Subacaulis* in Haut Verdon 2/3



6 - Berardia Subacaulis in Haut Verdon 3/3



6 – Transplantation of *Berardia Subacaulis* 1/3



6 – Transplantation of *Berardia Subacaulis* 3/3



6 - Transplantation of *Bérardie Subacaulis* 3/3





Gymnadenia corneliana



Jovibarba allionii



Fritillaria tubiformis

THANK YOU FOR YOUR ATTENTION !



Veronica allionii



Lilium pomponium



The 16th Danilo Re Memorial – Thematic meeting