

BIODIVERSITY

The Biodiversity is a measure of the variety of organisms present in different ecosystems. This variety can be divided into:

- Genetic variation
- Species variation
- Ecosystem variation.

THE PROJECT

The planning idea is to assess the evaluation, conservation and protection of biodiversity, through an investigation centred on the local flora and the study of the following factors:

- **Plant morphology**
- **Pollination and pollinators**
- **Ecosystem and ecological networks.**

This investigation is conducted through the:

- A. Consulting a phlogistic list**
- B. Compilation of a herbarium**
- C. Formulation of a proposal of intervention.**

CONSULTING A LIST OF FLORA



A floristic list is a document that includes all the species which grow wild in a specific environment, or rather autochthonous species.



COMPILING A HERBARIUM



It consists in the collection of the vegetable samples dried (process of drying) in the following ways:

- Dehydrating the collected plants using newspapers;
- Pressing the samples
- Organizing the samples
- Filling a label containing the scientific binomial

THE FORMULATION OF A PROPOSAL FOR INTERVENTION

With this proposal for intervention, we propose to realise ecological corridors which may help to facilitate the re-establishment of autochthonous plant species.





ACTIVITIES

- acquisition of data about the flora of study area;
- analysis of the sampling methodologies;
- hints of plants morphology; reproduction in plants;
- description of the main taxonomic groups;
- botanical classification and herbarium techniques;
- floristic survey; processing date; wild flowers project development

Calendar field surveys											
✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	
January	February	March	April	May	June	July	August	September	October	November	December
✓ : survey											

CLASSIFICATION

For the scientific classification the species of plants have to be divided into classes.

During the first stage of the investigation we have observed some characteristic that helped us with an initial differentiation:

- plants with flowers, (reproduction by seeds)
 - flowers with standard function
 - not standard flowers
- plants without flowers

CLASSIFICATION

CLASSIFICATION OF FLOWERS

- Flowers without perianth
- Flowers with perianth

CLASSIFICATION OF LEAVES

- Penninerved leaves
- Parallel-nerved leaves

THE DESCRIPTION



L.C. "B. RUSSELL"

Progetto ERASMUS+

"Assessing, conserving and protecting European biodiversity: a citizen science project"

DATA: 17/11/2015

COGNOME : CALABRESE

NOME: Virginia

CLASSE: 3S

COGNOME : FEDERICI

NOME: Leonardo

CLASSE: 3H

Precise location (street, schoolyard, etc.): Via Cesare Baronio

If a street was surveyed indicate the house numbers: 54 - 122

Data collection:

	Tree beds	Walls	Green areas	Flower beds and window boxes	Macadam, cracks, cobbled area	Under hedges and shrubs	Earth path and gravel paths	Miscellaneous (describe)
Edera comune <i>Hedera helix</i> L.					X			
Dente di Leone <i>Taraxacum officinale</i> Weber ex F.H.Wigg	X							
Borsa del pastore <i>Capsella bursa-pastoris</i> (L.) Medik.	X							
Platano comune <i>Platanus x hybrida</i> Brot.								tree
Malva <i>Malva sylvestris</i> L.	X							
Farinello <i>Chenopodium spp.</i>								soil
Ligustro <i>Ligustrum lucidum</i> W.T.Aiton								soil
Lunaria selvatica <i>Alliaria petiolata</i> (M.Bieb.)Cavara.&Grande			X					
Centocchio <i>Stellaria media</i> (L.) Vill.					X			





PARTICIPANTS

Students

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Scientific collaboration

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