



# Agrarian biodiversity

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# Title

Agrarian biodiversity

## Preface

ITAS “Bocchialini” (Parma) has chosen to work on Agronomic Biodiversity within the area of environmental ethic as this topic concerns our learning and our school safeguards biodiversity thanks to our orchard in Podere Stuard.



## Aim

The study of biodiversity through non-conventional methods.

## Process

This project has involved 2<sup>^</sup>C class and it has started in the 2013-14 school year; here are its steps:

- 1) Viewing of the film “The age of stupid”.
- 2) Questionnaire about the film.

- 3) Analysis of the topic through some classes, several videos, various lessons in Azienda Stuard and in Riserva Naturale della Parma Morta, the participation in a conference on agrarian biodiversity.
- 4) Working group by means of several surveys on the internet and the creation of Power point documents about various topics within agrarian biodiversity: agrobiodiversity, typical products, niche products, farmers guardian, safeguarding authorities, climate change impacts.
- 5) Presentation of working groups.
- 6) Survey of the phenological phases of the apple trees within the catalogue of Podere Stuard during the flowering.

In the 2014-15 school year this project has continued in the following way:

- 7) Sharing the work with other students (as 2<sup>C</sup> class' students were sorted in 3<sup>A</sup> class and in 3<sup>B</sup> class, the work has been developed in these classes)
- 8) Survey of the phenological phases of the apple trees of Podere Stuard during the bearing fruit.
- 9) Thanks to the surveys' facts and the experts' help, a starting agronomic evaluation as well as an opening variety's selection were carried out. The resistance to pathogens and the fruits' preservation were taken into consideration, but productivity wasn't because the fruits are appropriated for a niche market.
- 10) Further selection through a tasting test
- 11) Choice of an apple variety to promote and add value to.

## **Means/instruments**

Films, a questionnaire, various Power Point presentations, several meetings with experts, some visits in fields, a tasting test.



**Frutto**

**Dimensione** piccola

**Forma** conico-oblunga

**Lunghezza del peduncolo** corta

**Spessore del peduncolo** spesso

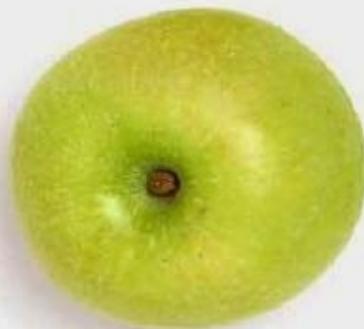
**Profondità della cavità calicina** poco profonda

**Profondità della cavità peduncolare** profonda

**Colore della buccia** giallo-verde

**Sovraccoloro della buccia** assente

**Epoca di raccolta** terza decade di ottobre



## Results

The starting selection designed three apple's varieties and the students took the tasting test.

The variety that got the best score was Decio apple, which is a Slow Food safeguard in Veneto.



### **Difficulties**

Sharing the work with students that would belong to different classes.  
Discontinuity in learning and working.

## Bibliography and links

- Catalogue *Frutti e buoi* on the Provincia di Parma website.
- [www.freshplaza.it/CRPV](http://www.freshplaza.it/CRPV) Technical meeting on fruit biodiversity in Emilia Romagna.
- [www.pomonaitaliana.it](http://www.pomonaitaliana.it)
- [www.biodiversità.provincia.vicenza.it](http://www.biodiversità.provincia.vicenza.it)
- [www.fondazione-slofood.it/presidi](http://www.fondazione-slofood.it/presidi) d' Italia/mela decio di Belfiore
- Melegari – *La frutta antica della campagna parmense* – Accademia italiana della Cucina
- Melegari – *Come realizzare il frutteto familiare con varietà rustiche*