

Il ruolo dell'educazione nella Transizione Ecologica

Festival dello Sviluppo Sostenibile 2022

**Educating younger generations to growth
citizens and workforces for a sustainable
tomorrow: the Italian pilot on Bioeconomy
as part of the National Plan "School
Regeneration" of Ministry of Education**

Barbara Floridia

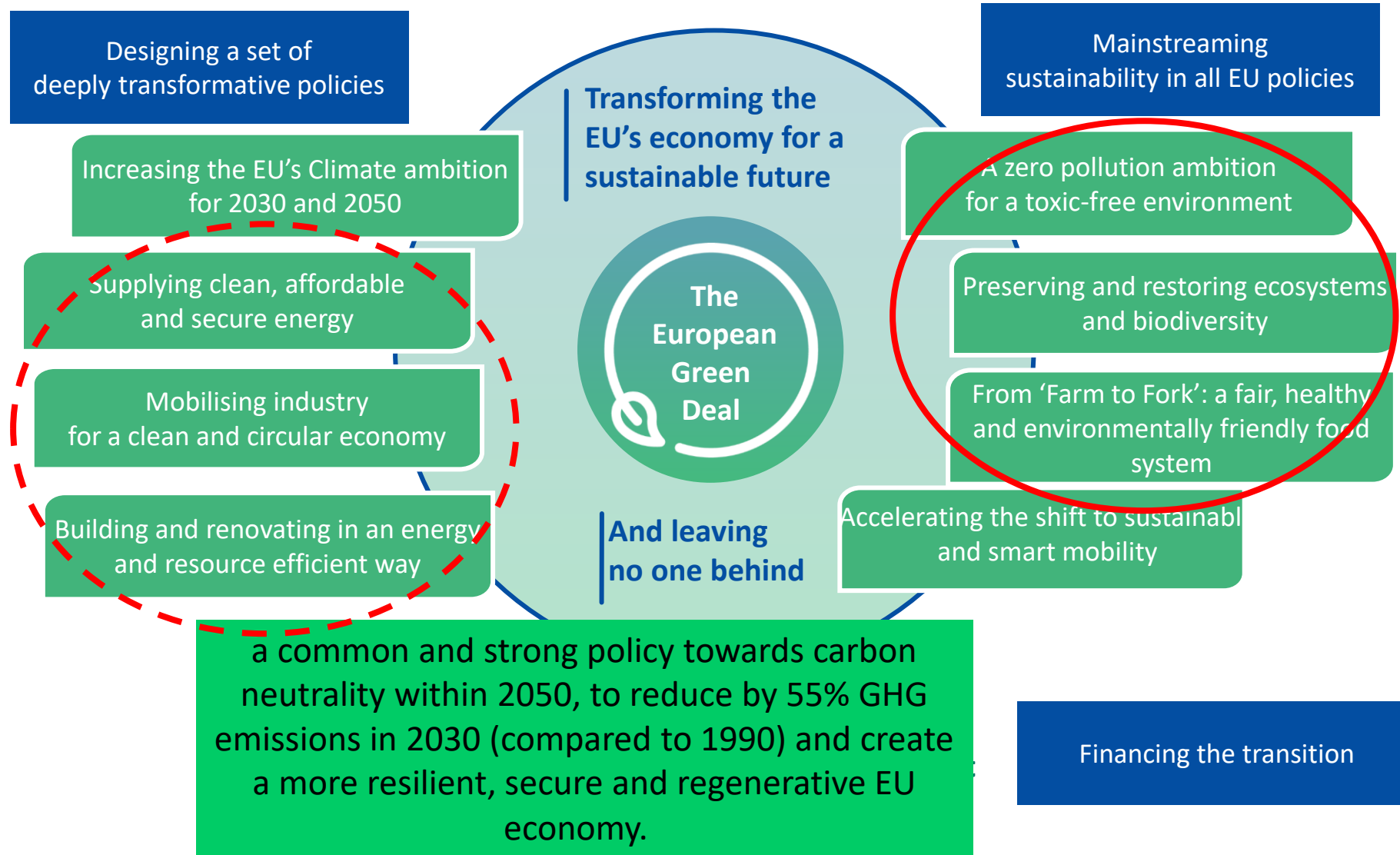
Senator & Under-Secretary of State, Ministry of Education, Italy

Fabio Fava

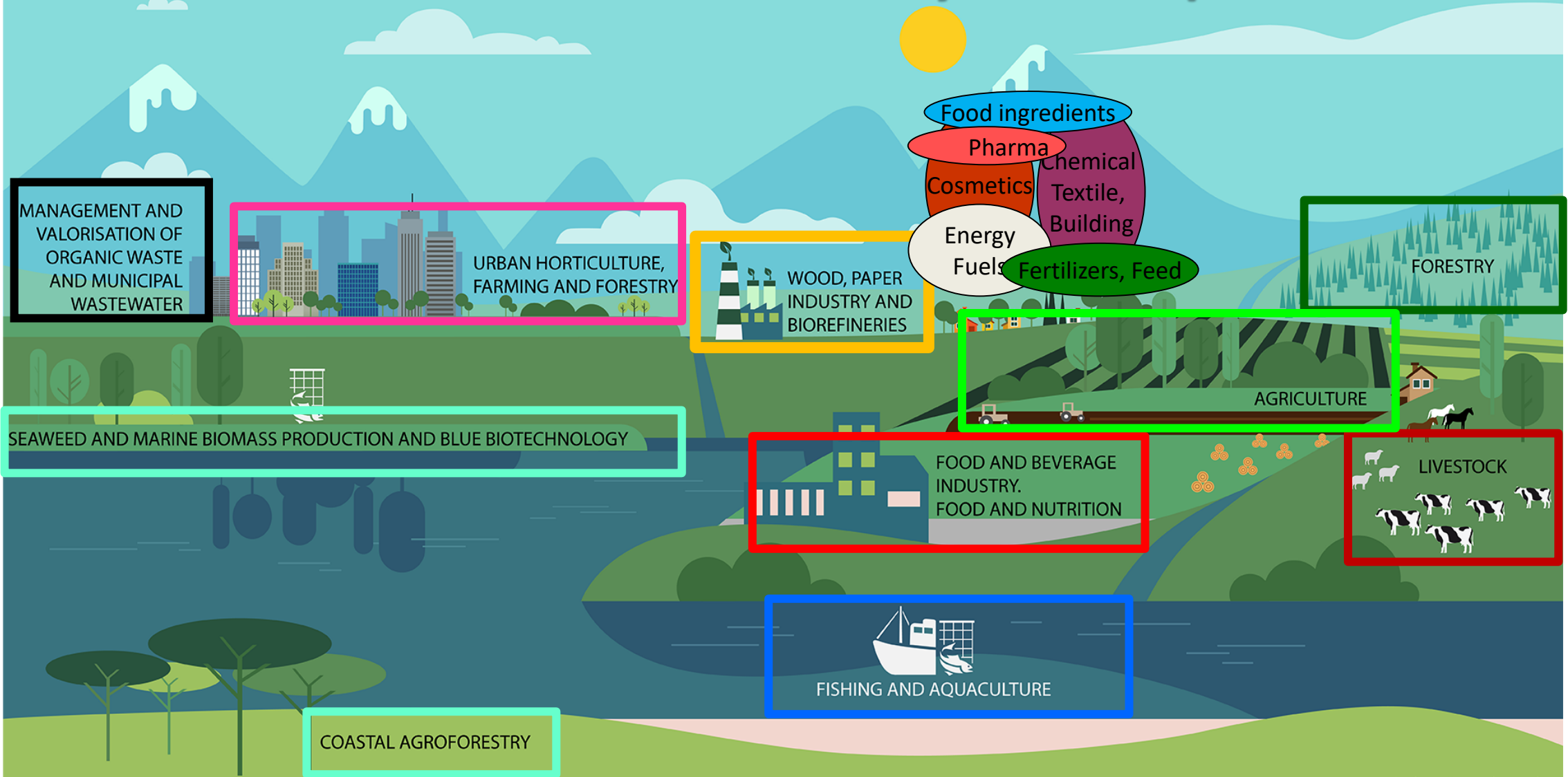
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The key role of Bioeconomy in the European Green Deal



The Italian Bioeconomy landscape

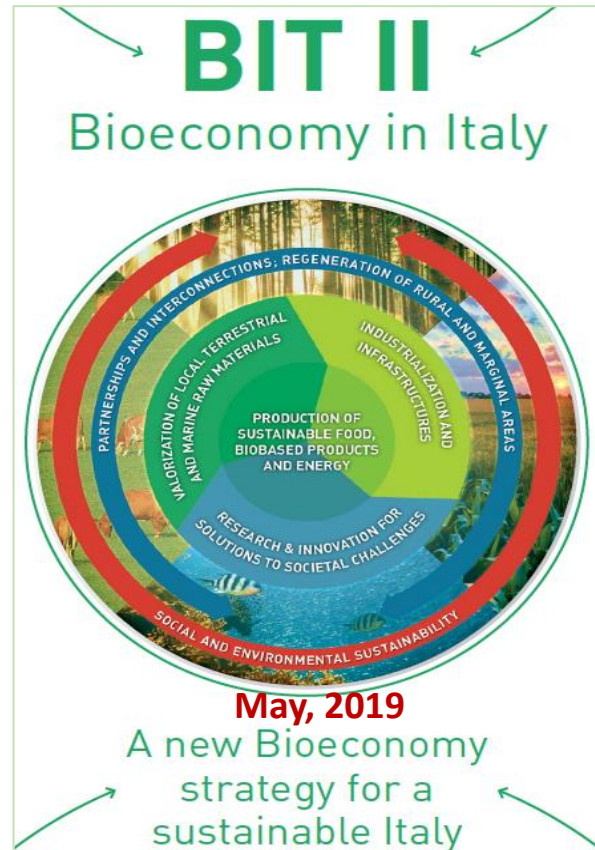


~ 365 Bil €/y; 2.1 Mil of jobs (2021)(after Banca Intesa Report, 2022)

In EU: 3rd turnover/jobs, often 2nd as presence in H2020SC2 & BBIJU funded projects, 1st in Biodiversity richness and number of quality products on the market (DOP, IGP, etc)

Italian Bioeconomy Strategy (BIT II, 2019) & related Implementation Action Plan (2021)

"National Bioeconomy Coordination Board"(NBCB) CNBBSV, Presidency Council of Ministers, Rome



http://cnbbsv.palazzochigi.it/media/1774/bit_en_2019_02.pdf

Composition:

- Ministry Agriculture, Food, Forestry Policies;
- Ministry University & Research;
- Ministry Economical Dev;
- Ministry Ecological Transition;
- Ministry Education.
- X and XI Conferences of Regions & autonomous Provinces;
- Italian Agency territorial cohesion;
- SVIMEZ;
- Institute for Environmental Protection and Research;
- Italian Technology Clusters: Circular Bioeconomy (SPRING), AgriFood (CLAN), BlueGrowth (BIG).

IMPLEMENTATION ACTION PLAN (2020-2025) FOR THE ITALIAN BIOECONOMY STRATEGY BIT II



January, 2021

Presidenza del Consiglio dei Ministri
CNBBSV

<http://cnbbsv.palazzochigi.it/en/areas-of-work/bioeconomy/strategies-and-implementation-action-plan/>

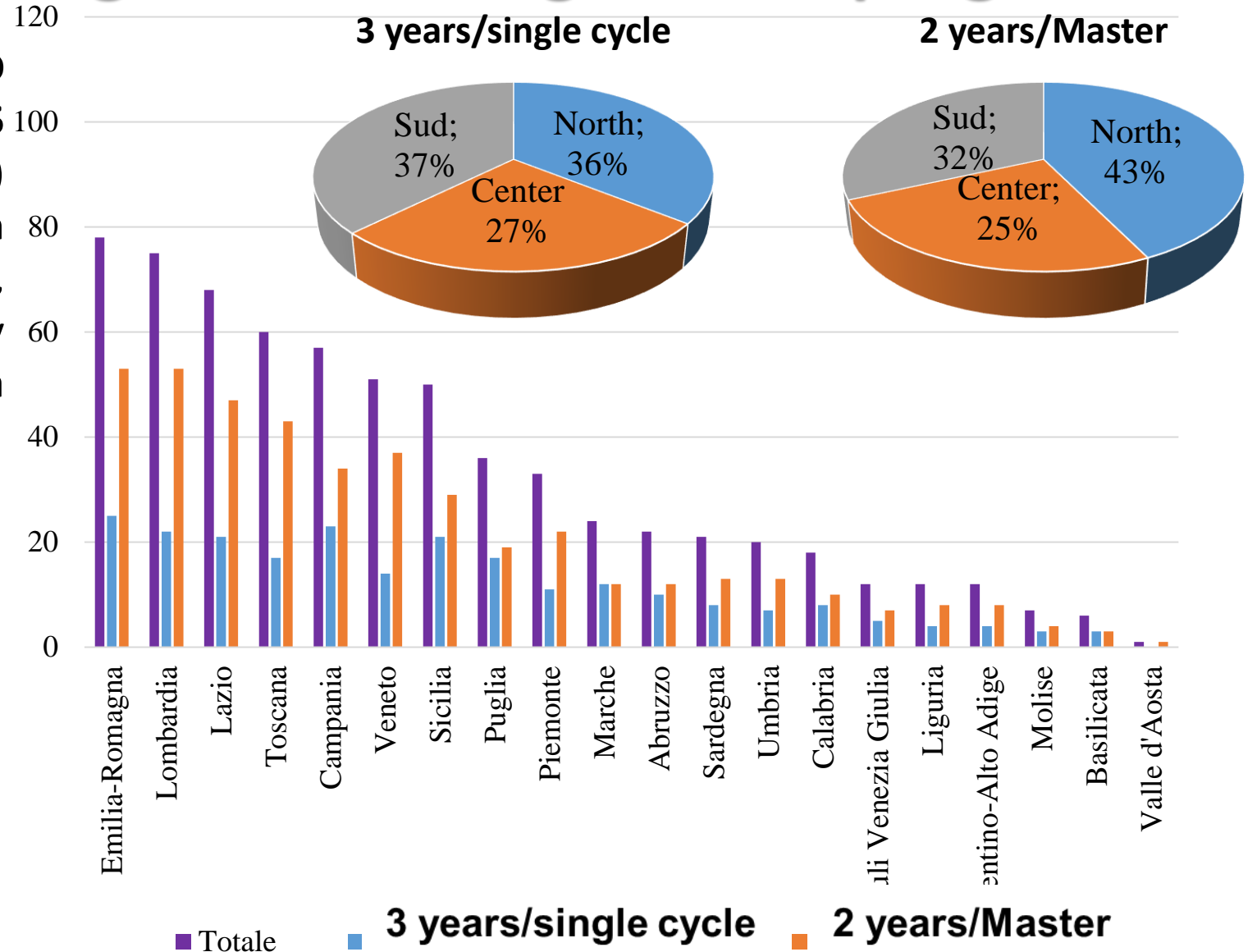
<http://cnbbsv.palazzochigi.it/en/areas-of-work/bioeconomy/>

Education as a key pillar of the Italian Bioeconomy implementation: undergraduate and graduate programmes

3+2 Programmes and PhD programmes offered by the about 95 Italian Universities (1.8 Mln students) in the Academic Year 2021-2022 on biology and biotech, agriculture, livestock, food and nutrition, forestry and wood, bioenergy, land, earth, sea and bioeconomy:

1st level (3 years):	235
2nd level (2 years):	428
Doctoral program (23cycle)	476
TOTAL	1139

**~ 10% of all 1st and 2nd level students
~ 30% of all PhD students
+ 8% over Academic Year 2019-2020**



Education as a key pillar of the Italian Bioeconomy implementation: elementary and secondary schools (a)

The "Bioeconomy Pilot" is a pilot project of the national educational Plan "School Regeneration" (<https://www.istruzione.it/ri-generazione-scuola/>) launched by the Ministry of Education in 2020 for promoting education on the ecological transition in the about 40,000 private and public national "elementary" and "secondary" schools and attended by about 7,5 Mln of students.

The "Bioeconomy Pilot" counts on about 20 teaching and training initiatives (including field/demo activities) delivered in the sectors of Bioeconomy by private and public entities, formally recognized by the Ministry of Education (as part of the "Green Community"), which are complementing the activities offered by public and private schools. The Pilot activities are involving over than 100,000 students from about 2,000 public and private, elementary and secondary Schools.

The main teaching and training initiatives of the "Bioeconomy Pilot" project are displayed at the web site <https://prgs.fvaweb.eu> (English version).

Education as a key pillar of the Italian Bioeconomy implementation: elementary and secondary schools (b)

“Bioeconomy Pilot” project: planned implementation actions

- a) assess the currently offered teaching and training activities to: a) improve them in terms of contents and protocols and to better align them with the educational programmes offered by the Schools, b) promote complementarities, synergies and cooperation among activities, avoiding duplications and maximizing their impacts, and c) promote the set up and implementation of new teaching and training activities in domains of Bioeconomy currently without them;
- b) use the pilot to test and optimize the synergies between teaching and training activities offered by the private and public actors and the ones offered by the national public and private Schools;
- c) Involve and exploit the “pilot ecosystem” in the frame of EC initiatives on education in Bioeconomy.

“Bioeconomy Pilot ” project: expected impacts

- a) Engage the young generations in the wise implementation of Bioeconomy and in its promotion towards citizens and consumers;
- b) Set up of other pilot educational projects in the broad landscape of the ecological transition and Green Deal, on which the National School “Regeneration Plan” is based.

THANK YOU

Barbara Floridia, Fabio Fava

The contributions to the set up of the project of
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Carmelo D'Agostino, Tiziana Di Stefano, Ministry of Education, Italy
Serena Fabbrini, Chiara Pocaterra, APRE, Italy
Susanna Albertini, Louis Ferrini, Selenia Marinelli, FVA, Italy
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