

Journal of Biological Research

Bollettino della Società Italiana di Biologia Sperimentale



**91th SIBS Congress on the role of
the Italian Society for Experimental
Biology in the Italian research**

Ancona, Italy, 9-10 November 2018

ABSTRACT BOOK

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THE AGRICULTURAL ECOSYSTEM SERVICES: RESILIENCE AND ECOSYSTEM TIMELINE

Sara Sozzo^{1*}, Edoardo Cecconello², Marcello Valente³, Paola Maria Chiavazza⁴

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Resilience is one of the most fascinating concepts regarding sustainability, and mainly in the study of ecosystem services. Resilience in the study of ecosystem services requires a very crosscutting approach, because it concerns complex systems such as ecosystems and human social systems. Agricultural areas are fundamental components of sustainability; ecosystem services can provide links to integrate management and governance practices in the search for transitions towards greater sustainability in rural areas. The study concerns a micro-area in the province of Asti, using some typical tools of resilience and ecosystem services, trying to find a new methodological approach. Without any better interconnection among research and related policy, technology might not have an impact on the real-world practical application. Indeed, every time the researchers will begin their search without focusing on how the data may be used, the final evaluation it fails to develop a new policy, which might be adapted to the new challenges. Whilst in the real politics, the under-estimation of the ecological studies leads to a significant environmental decline. A common approach should measure the ecosystem condition, according to a natural status comparable threshold values, in other words, on the basis of its similarity to a man-made environment least-impacted. However, Pristine agro-ecosystem concept is not credible nor does it provide an appropriate frame. Concerns that the pristine agro-ecosystem concept is not credible or that information provided is dubious may also dissuade the use. This article, is intentionally written in simple language, because the complexity can be explained only simply.