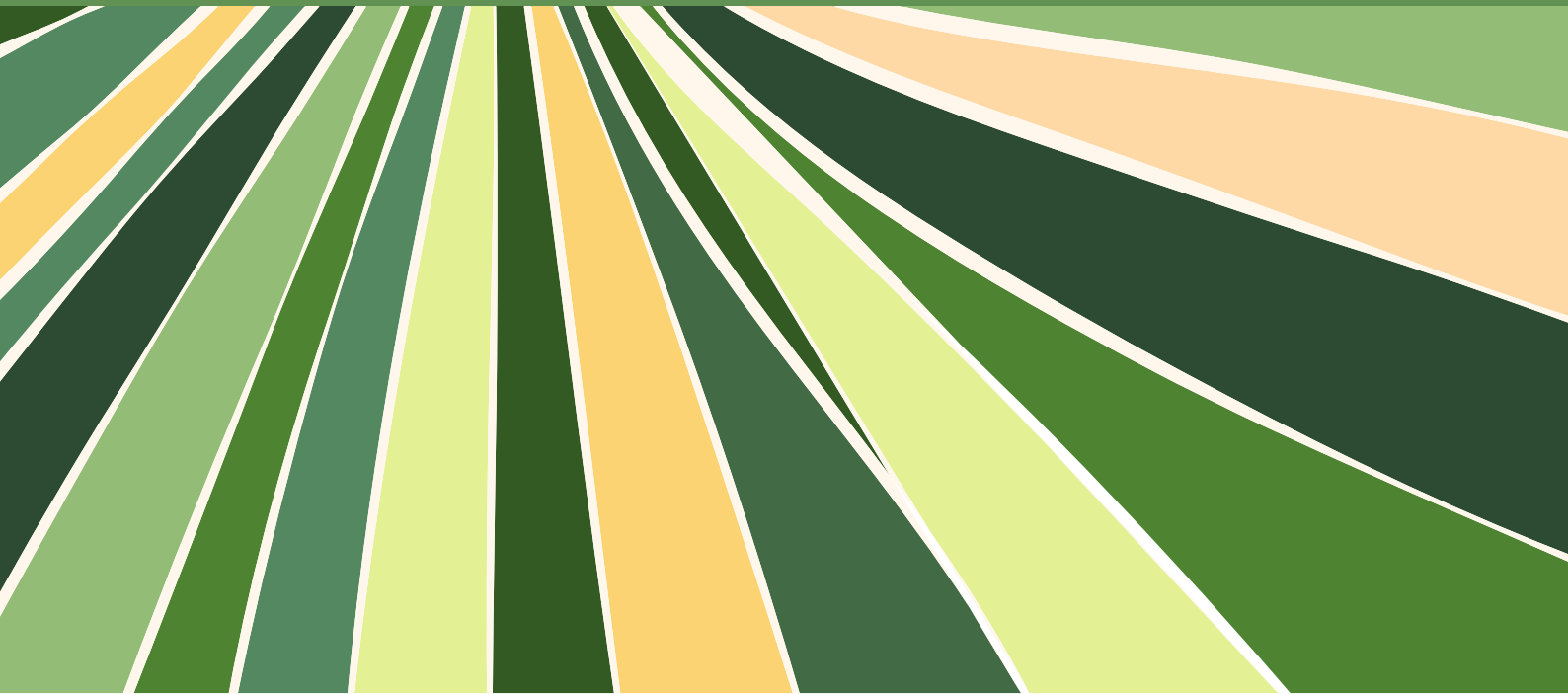


Climate change adaptation and mitigation in rice ecosystems

Visit of Resilience India project to the rice-growing district of northern Italy


4th - 7th September 2023



**RETERURALE
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RESILIENCE




With 787 million tonnes produced globally in 2021 (FAO), rice is the world's third-most produced cereal behind maize and wheat, cultivated in more than 100 countries across the world, with about 90% of production concentrated in Asia.

In India rice is grown under widely varying conditions of altitude and climate: in eastern and southern regions of the country, the mean temperature is found favourable for rice cultivation throughout the year while in northern and western parts of the country, where rainfall is high and winter temperature is low, only one crop of rice is grown during the month from May to November.

In Italy, the first producer in Europe, rice is normally cultivated under flooding conditions. This agroecosystem is similar to other rice growing regions, where several environmental problems can be found due to high use of fertilisers and agrochemicals, leading not only to pollution of soil and water, but also to greenhouse gases emissions. Moreover, Climate Change further increases the vulnerability of these specialized farming systems due to the rise in water shortage, new pests and diseases and, in coastal regions, soil salinity.

This event organized by CREA and NIBIO is the occasion to share knowledge about rice farming systems and climate adaptation and mitigation practices in Italy (Piedmont Region) and in India with focus on water supply, irrigation and landscape management and strategic policy.



Program

- 04/09 Visiting scientists' arrival and welcome in Torino
- 05/09 Water supply, irrigation and landscape management in the Vercelli rice district (visit to hydraulic infrastructures and farms)
- 06/09 Rice farming systems and climate adaptation and mitigation practices (visit to rice farms)
- 07/09 Knowledge exchange on rice ecosystems, Climate change and related research activities (workshop and visit to CREA research farm "Cascina Boraso")

ResilienceIndia partners: National Rice Research Institute, Odisha University of Agriculture and Technology, Rice Research Institute Titabar, Assam Agriculture University, UN-CGIAR, NIBIO

Organising Committee: Stefano Monaco, Patrizia Borsotto, Patrizia Vaccino (CREA), Udaya Sekhar Nagothu (NIBIO), Enrico Rivella (Arpa Piemonte)

Technical Secretariat: Maria Giglio, Anna Lapoli (CREA)

Editorial Manager: Anna Lapoli (CREA)

Detail program

Tuesday 5th September 2023

Water supply, irrigation and landscape management in the Vercelli rice district

- 09.15-10.15 "Preso Canale Cavour" hydraulic infrastructure visit guided by Consorzio Ovest Sesia Chivasso TO
- 11.00-11.30 "Cavo Lucca" hydraulic infrastructure visit guided by Consorzio Ovest Sesia - Livorno Ferraris VC
- 12.00-12.30 "Campanile Abbazia di Lucedio" tower visit - Trino VC
- 13.00-14.00 *Lunch*
- 14.30-15.45 "Cascina Oschiena" rice farm visit - Crova VC
- 16.00-16.15 "Fontanile di Crova" fountain visit - Crova VC
- 16.30-17.30 Return to the hotel in Torino

Wednesday 6th September 2023

Rice farming systems and climate adaptation and mitigation practices

- 09.30-10.45 "Azienda Agricola Una Garlanda" rice farm visit - Rovasenda VC
- 11.15-12.30 "Azienda Agricola Musso" rice farm visit - Carisio VC
- 12.45-13.45 *Lunch*
- 14.15-15.15 "Azienda Agricola Vecco" rice farm visit - Trino VC
- 15.30-16.30 "Azienda Agricola Cascina Loreto" hazelnut production and processing - Piagera AL
- 16.30-17.30 Return to the hotel in Torino

Workshop

Knowledge exchange on rice ecosystems, Climate change and related research activities

CREA-CI (Vercelli)
Thursday 7th September 2023

10.00-10.15	Welcome and introduction to the visit
10.15-11.00	CREA Vercelli research farm visit and field experiments
11.00-11.30	<i>Coffee break</i>
11.30-12.00	<ul style="list-style-type: none">• Cereals and rice research at CREA (CREA-CI)• Economy, policy and value chain at farm level (CREA-PB)• Climate change and cropping systems research (CREA-IT)
12.00-12.45	<ul style="list-style-type: none">• Resilience India and visiting institutions (NIBIO)• Project presentation (Assam team)• Project presentation (Odisha team)
12.45-13.00	Q&A
13.00-14.00	<i>Lunch</i>
14.00-14.30	Rice research projects (DISAFA, ENR)
14.30-15.00	Regional Strategy on Climate Change adaptation (Regione Piemonte, ARPA Piemonte)
15.00-16.00	Final discussion

RETE RURALE NAZIONALE

Autorità di gestione:

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nell'ambito del Programma Rete Rurale Nazionale 2014-2022 - Piano di azione biennale 2021-23
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