

The Emilia-Romagna Region: Can policy influence innovation?

Slaven Tadić, Federica Rossi, Camilla Chieco

National Council of Research
Institute for Bioeconomy
(CNR – IBE)
Via P. Gobetti 101
Bologna 40129
Italy

CLIMATE SMART AGRICULTURE

SUSTAINABLY INCREASES



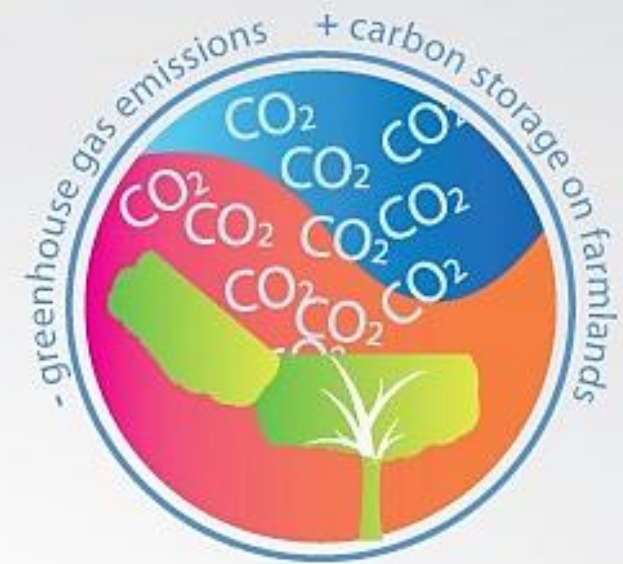
LOCAL
INSTITUTIONAL
EFFECTIVENESS

STRENGTHENS RESILIENCE



COHERENCE BETWEEN
CLIMATE AND
AGRICULTURAL POLICIES

REDUCES AGRICULTURE'S
CONTRIBUTION TO CLIMATE CHANGE

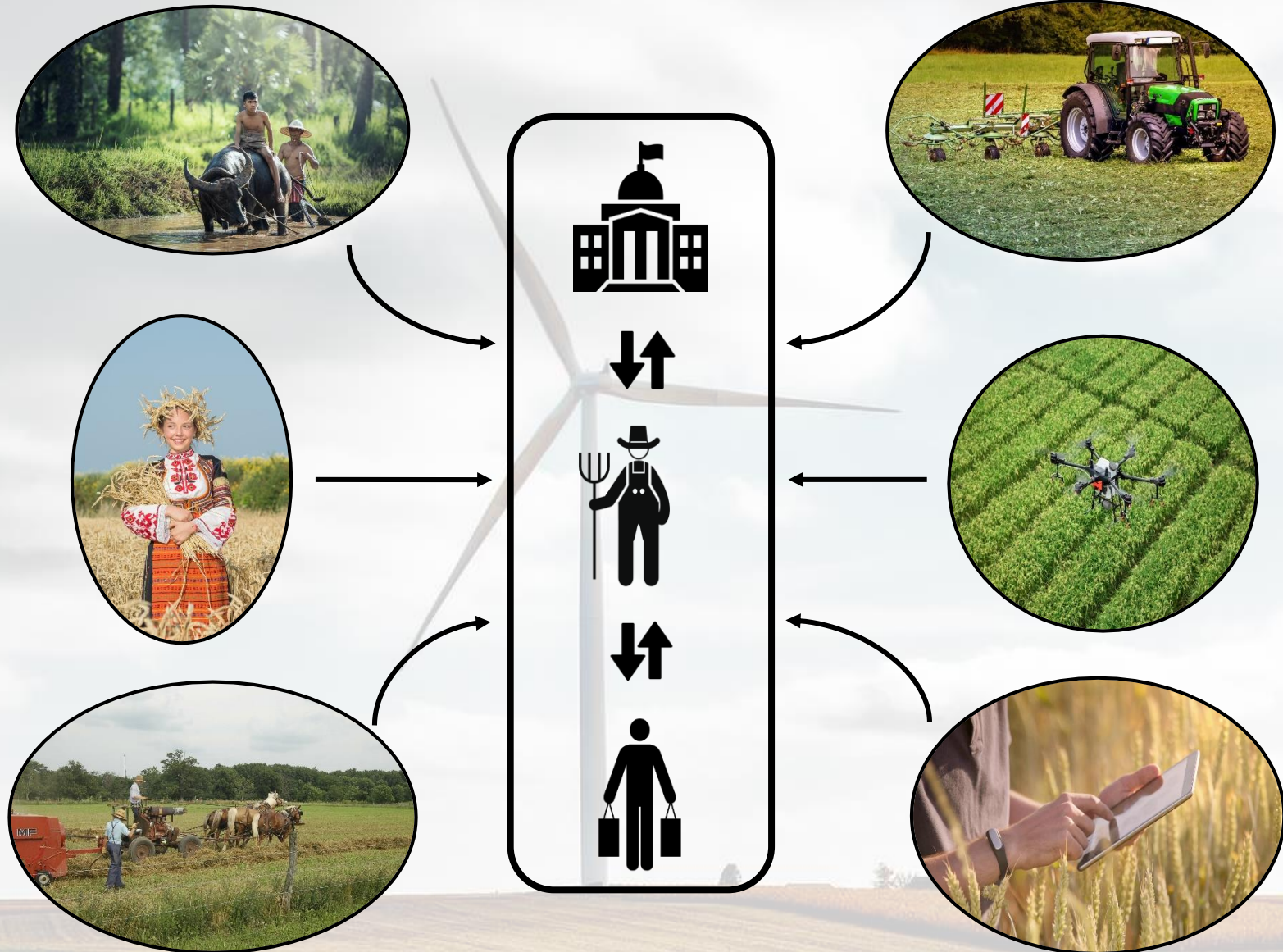


LINK CLIMATE AND
AGRICULTURAL
FINANCING

Translating knowledge into operation in order to find solutions that support production processes, involving the whole **value chain** through a **multi-actor approach** (co-creation) and instructing the operators meanwhile sensitising the general public.

COMMUNITY

from farmers to technology providers to politicians to consumers



POLICY ENGAGEMENT

Regional Ministry of Agriculture of Emilia

Romagna: mapping the main projects oriented towards the adoption of innovation along the entire supply chain that have been funded by the Region

- ❑ Emilia Romagna Region's efforts towards a less impactful and more resilient Agriculture
- ❑ Existing gaps regarding climate change in agriculture
- ❑ What needs to be addressed in the future regional agricultural policy program




POLICY ENGAGEMENT

EU – Financing provider for State members in agriculture through CAP policies.

RDP Sub-Measure 16.1 – *Operational Groups projects of the European Partnership for Agricultural Productivity and Sustainability* (900 EU total):

 **93 projects**

 **66 CSA projects** – 70 % of projects financed by RER

Emilia Romagna financed the equivalent of 12% of the total European financing for Measure 16.1



INNOVATION PROJECTS





INNOVATION PROJECTS


EMILIA ROMAGNA



PROTOTYPE TO REDUCE AMMONIA EMISSIONS FROM PIGS HOUSES WITH RECOVERY AS FERTILIZERS


EMILIA ROMAGNA



PERFORMANCE TRIALING OF A DYNAMIC, AUTOMATED CHERRY-ORCHARD COVER SYSTEM TO PROTECT CROP AGAINST RAIN, HAIL AND PESTS


EMILIA ROMAGNA



IRRIGATION SYSTEM OPTIMIZATION IN FRUIT FARMING FOR ADAPTATION TO CLIMATE CHANGE - SISTEMI IRRIGUI


EMILIA ROMAGNA



FARM CO₂ SINK: C SEQUESTRATION AND GHG EMISSIONS REDUCTION AT FARM LEVEL


EMILIA ROMAGNA



COMPOST BARN FOR DAIRY COWS IN THE PARMIGIANO-REGGIANO DISTRICT: AN INNOVATIVE AND SUSTAINABLE HOUSING SYSTEM AND AN ALTERNATIVE TO CUBICLES


EMILIA ROMAGNA



EVALUATION OF INNOVATIVE ADAPTATION STRATEGIES IN VINEYARD AND WINERY TO THE CLIMATE CHANGE - VINSACLIMA


EMILIA ROMAGNA



INNOVATIVE PROCESSES FOR THE MANAGEMENT OF LIVESTOCK WASTE. PROZOO


EMILIA ROMAGNA



INTEGRATION OF IRRINET WITH A FERTIGATION SOFTWARE PROGRAM - FERT-IRRINET

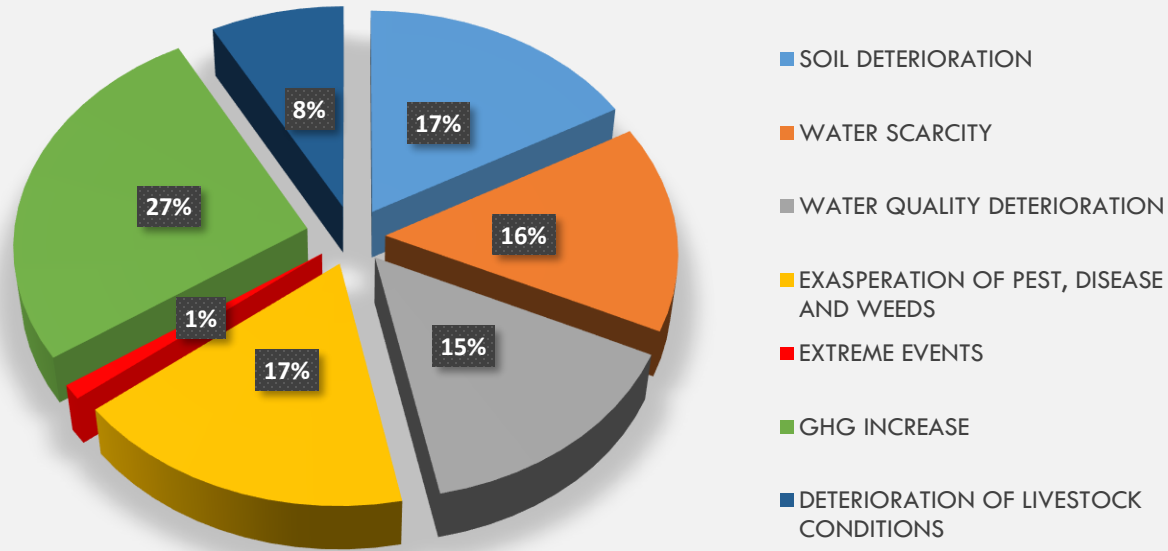

EMILIA ROMAGNA



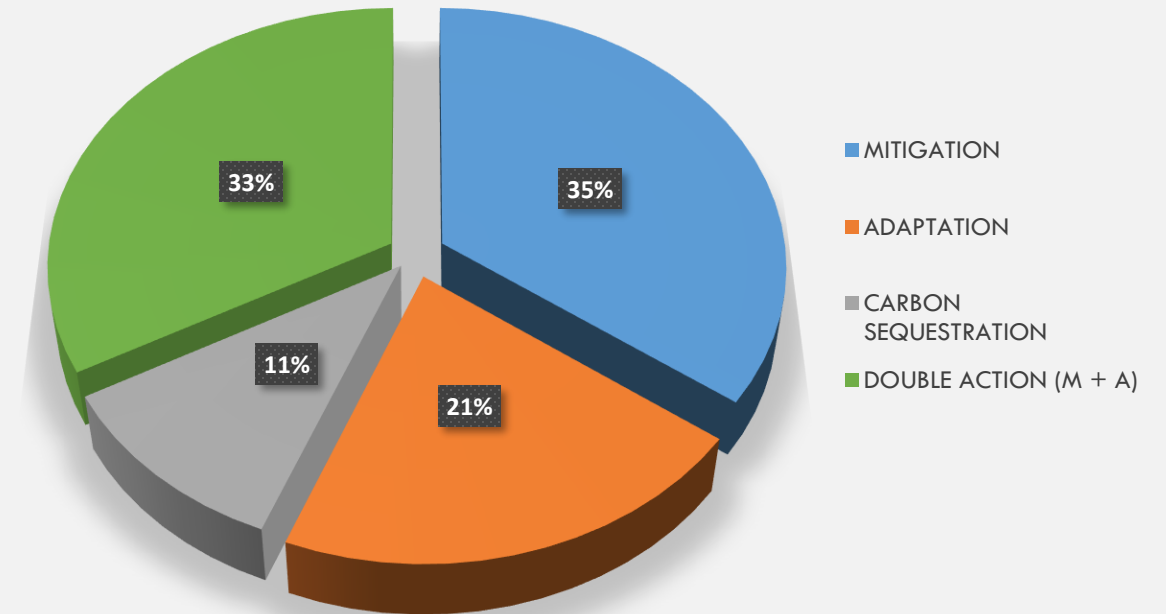
INNOVATIVE MODELS IN MECHANIZED AND SUSTAINABLE VINEYARD MANAGEMENT - IN.MO.ME.VI

INNOVATION PROJECTS

Percentage of fund allocation



Grouping based on climate action



ENABLING ENVIRONMENT

One of the main innovations introduced by the Programming Period 2014-2020, in the framework of the European Innovation Partnership for Agricultural Productivity and Sustainability (EIP-AGRI), was the launching of measures aimed at developing cooperation between farmers and the innovation system. Emilia-Romagna region has accepted this challenge and, in response, allocated 50 million Euro earmarked in setting up and running Operational Groups (OGs) to find proper solutions in different areas like climate change, water efficiency, precision agriculture, soil quality, organic farming and animal welfare, antibiotic-free farms and recovery of organic waste.

Innovation in agriculture remains our top priority and it is no coincidence that the amount allocated in supporting these actions is the highest among Italian and European regions, confirming our leading role in promoting innovation projects in the agri-food sector.

We invest in OGs because we consider strategic the alliance between the agricultural world and the research system. The significant amount of 93 OGs only in Emilia-Romagna of a total of 900 currently active at European level, gives the measure of the Region's commitment in this field, to which it has been added the will to simplify procedures and fully recognize the activities carried out by the actors involved in the OGs.



EIP AGRI OPERATIONAL GROUPS
THE EMILIA-ROMAGNA PROJECTS



I GRUPPI OPERATIVI DEL PEI AGRI
I PROGETTI DELL'EMILIA-ROMAGNA



2018
Programma Rete Rurale Nazionale 2014-2020

ENABLING ENVIRONMENT



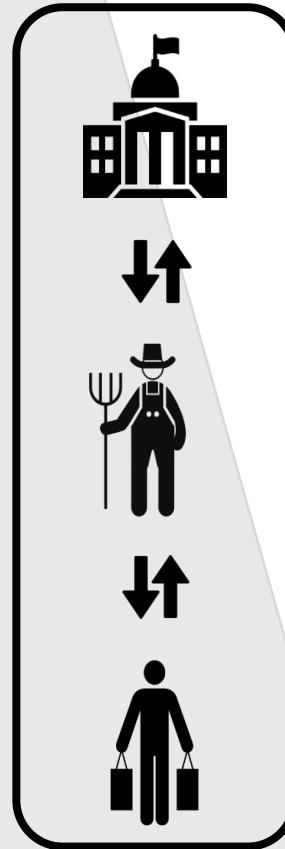
Simona Caselli
Regional Minister of
Agriculture, Hunting and
Fishing of Emilia-Romagna



Mario Montanari
Head of the Dept. for
Innovation, Quality
Promotion and
Internationalization of the
Agri-food System



Nicola Dall'Olio
Head of the Cabinet



Federica Rossi
Sr. Researcher
CNR-IBE



Camilla Chieco
Sr. Researcher
CNR-IBE



Slaven Tadić
Jr. Researcher
CNR-IBE



POLICY

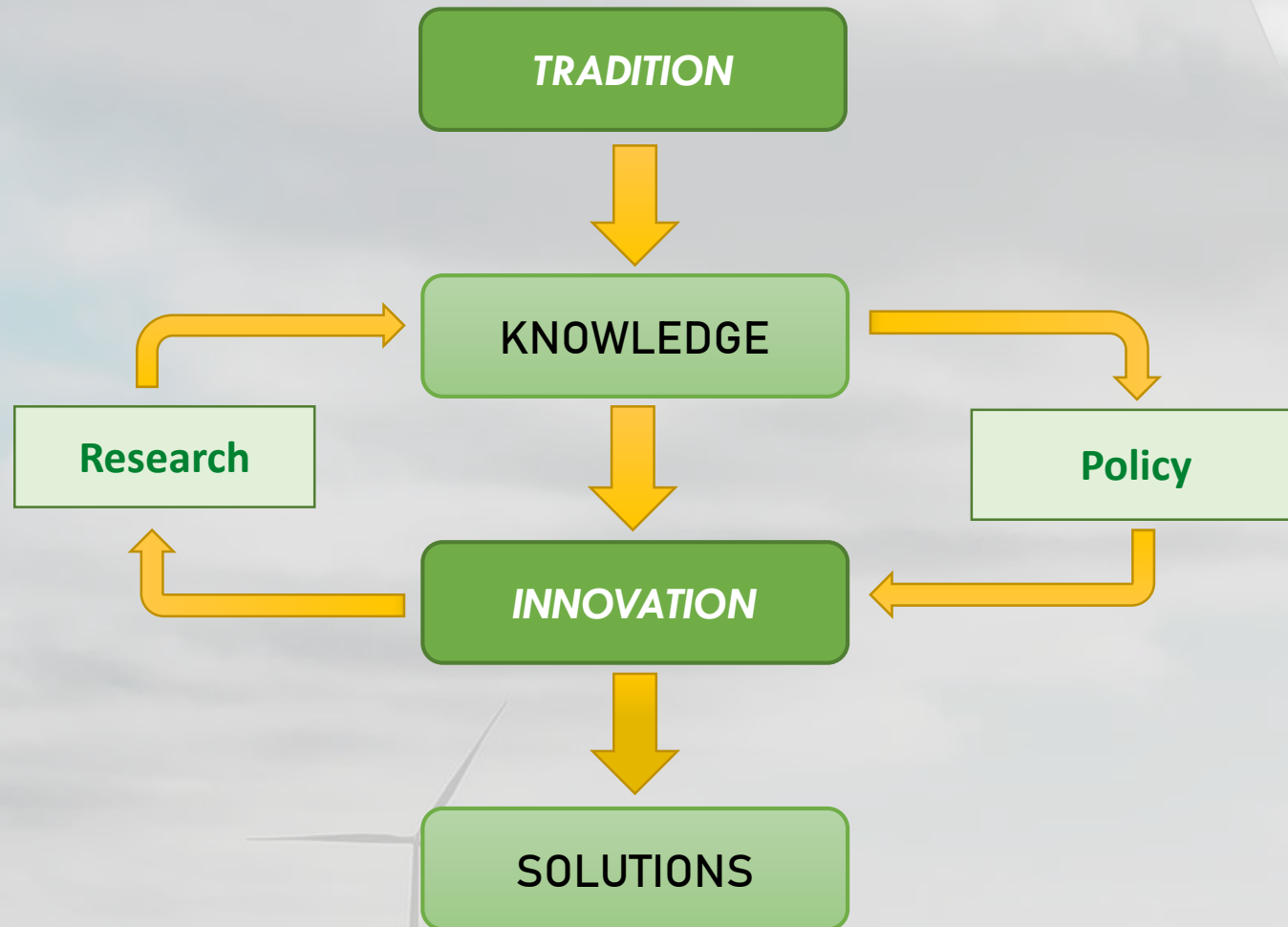
RESEARCH

LINK CLIMATE AND
AGRICULTURAL FINANCING

COHERENCE BETWEEN CLIMATE
AND AGRICULTURAL POLICIES

LOCAL INSTITUTIONAL
EFFECTIVENESS

ENABLING ENVIRONMENT



CLIMATE SMART SEARCH ENGINE (CSSE)

Strengthen the value chain of CSA by uniting research, activity and policies with a network of Climate experts through matchmaking opportunities and structured CS data collection and presentation

The Emilia-Romagna Region: Can policy influence innovation?

Slaven Tadić, Federica Rossi, Camilla Chieco

s.tadic@ibimet.cnr.it

+39 051 639 9013

National Council of Research

Institute for Bioeconomy

(CNR – IBE)

Via P. Gobetti 101

Bologna 40129

Italy