

Livestock farming on mountains

San Giorgio Dairy and other OG active on Apennines

Maria Teresa Pacchioli – *CRPA S.p.A.*

Meeting

Make innovation in agriculture.
The experiences of the EIP Operational
Groups in Emilia-Romagna
April 11, 2018 - Bruxelles

PARTICIPATING IN



funded by   European Commission

Divulgazione a cura di Centro Ricerche Produzioni Animali - C.R.P.A. S.p.a.
Autorità di Gestione: Direzione Agricoltura, caccia e pesca della Regione Emilia-Romagna
Iniziativa realizzata nell'ambito del Programma regionale di sviluppo rurale 2014-2020 — Tipo di operazione 16.1.01
Gruppi operativi del partenariato europeo per l'innovazione: "produttività e sostenibilità dell'agricoltura" — Focus Area



L'Europa investe nelle zone rurali



Sustainability of livestock on mountain

- Economic
 - ✓ specialisation in high quality products, animal breeds, forage self-sufficiency
- Social
 - ✓ age of farmers, intergenerational succession, professional training and technical assistance
- Environmental
 - ✓ biodiversity, soil erosion, GHG emission & carbon sequestration





The Dairy



- San Giorgio is a cooperative located in Casina (RE - Italy) .
- The dairy produces Parmigiano Reggiano cheese since 1947.
- 8 farms provide the dairy with about 3,500 tons of milk a year, then transformed into about 6,000 wheels of cheese.



Parmigiano Reggiano mountain product



- Parmigiano Reggiano produced entirely in mountain areas
 - ✓ 100% of milk from cows reared in mountain areas
 - ✓ cows fed with more than 60% of dry matter coming from sources grown in mountain area
 - ✓ cheese making and ripening for up to 12 months minimum in mountain area
 - ✓ 24-month qualitative selection of cheeses by the Consortium experts: as wheel with percussion hammer; sensory evaluation; chemical composition.

OG San Giorgio Dairy

Improvement of forage systems in support of the production of PDO Parmigiano Reggiano cheese "Product of the Mountain" in the valleys of Tassobbio River



Coop Agricola
Santa Lucia

Azienda Agricola
STRADA S.S.

Azienda Agricola
IL PONTE

Azienda Agricola
NASI



UNIONE EUROPEA
Fondo Europeo Agricolo
per lo Sviluppo Rurale



Regione Emilia-Romagna

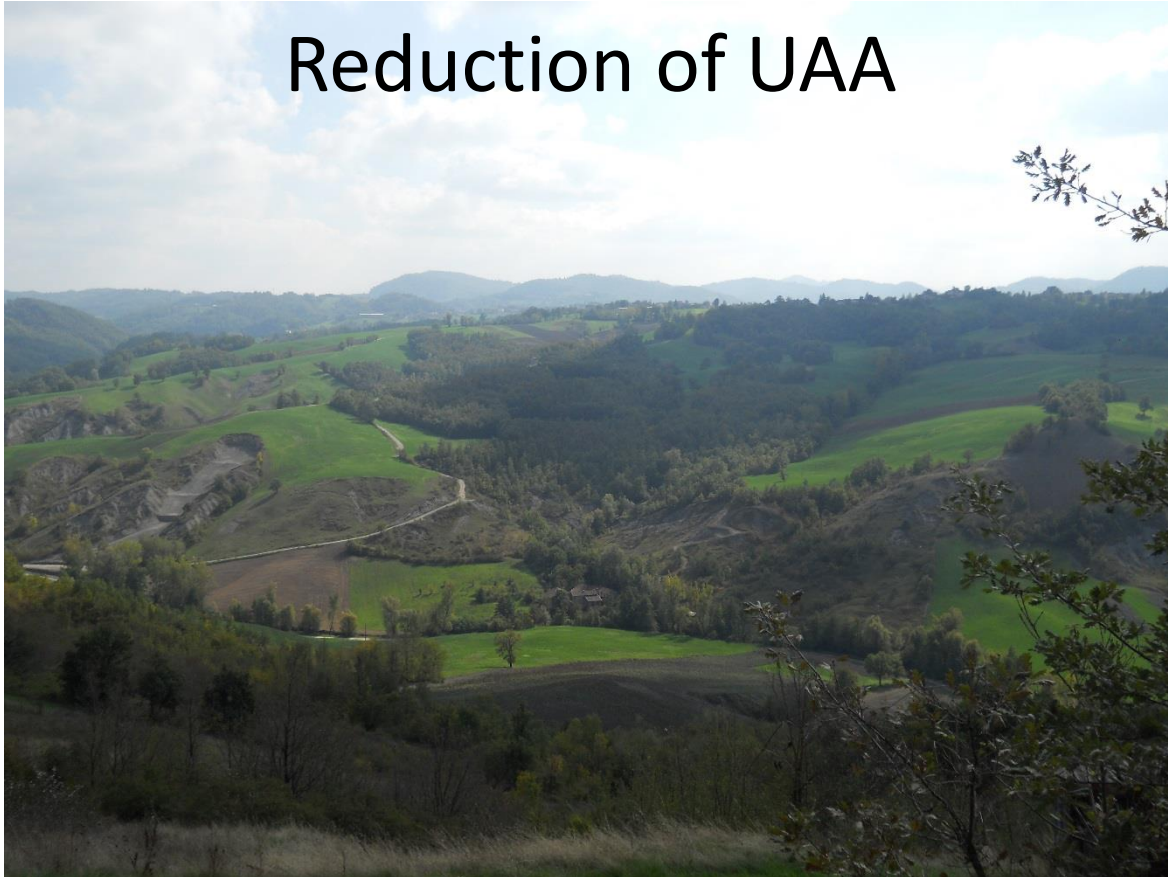
L'Europa investe nelle zone rurali

Erosion loss of soil and organic carbon



Low production

Reduction of UAA



Poor swards

Alfalfa and fodder cereals more productive in mountain



Improving self-supply of local forages



Forage evaluation for nutritive value and digestibility



Proteine (% SS)	NDF (% SS)	uNDF 240 (% SS)	ENL (Kgcal/Kg SS)
16.1	52.6	25.3	1187
16.6	52.0	26.6	1169
16.3	54.6	23.8	1225
15.0	59.5	17.5	1274
16.1	49.7	27.5	1116
18.3	41.6	26.3	1221
18.0	43.6	25.6	1189
20.8	41.5	25.0	1194
16.0	43.5	25.5	1190
16.8	49.5	25.3	1194



March 2018

Customised legume species mix in order to

- limit the prevalence of spontaneous grasses
- get more protein

3 other Operational groups for mountain

- **The contribution of dairy livestock in mountain to the conservation and the sequestration of carbon**
 - ✓ CRPA + 3 dairy farms + territory management body + FCSR – 3 years from October 2017
- **Valorisation of dairy products of local breeds**
 - ✓ CRPA + a consortium of dairy farms + Parma University + Coop.Alleanza 3.0 – 3 years from December 2017
- **Development of a livestock model of agroforestry biodiversity**
 - ✓ CRPA + 2 dairy farms + Horta srl – 3 years from September 2017





Thank you!

latteriasangiorgio.crpa.it

goi.crpa.it

Meeting

Make innovation in agriculture.
The experiences of the EIP Operational
Groups in Emilia-Romagna
April 11, 2018 - Bruxelles

PARTICIPATING IN



funded by  European Commission

Divulgazione a cura di Centro Ricerche Produzioni Animali - C.R.P.A. S.p.a.
Autorità di Gestione: Direzione Agricoltura, caccia e pesca della Regione Emilia-Romagna
Iniziativa realizzata nell'ambito del Programma regionale di sviluppo rurale 2014-2020 — Tipo di operazione 16.1.01
Gruppi operativi del partenariato europeo per l'innovazione: "produttività e sostenibilità dell'agricoltura" — Focus Area

