



PASTINNOVA



Socioeconomic performance of pastoral systems: A lost cause or an example?



Dimitrios Skordos



Alexandros Theodoridis



Athanasios Ragkos



Georgia Koutouzidou



Pastinnova Website



The PRIMA programme is supported under Horizon 2020, the European Union's Framework Programme for Research and Innovation



Project Identity

- PRIMA Call 2021 Section1 Farming Systems
- Innovation Action
- 20 Partners from 12 Mediterranean countries
- 43 Supporting Organizations
- *Total requested budget 2.750.000€*
- *Project duration 1 May 2022 – 30 April 2025 (36 months)*



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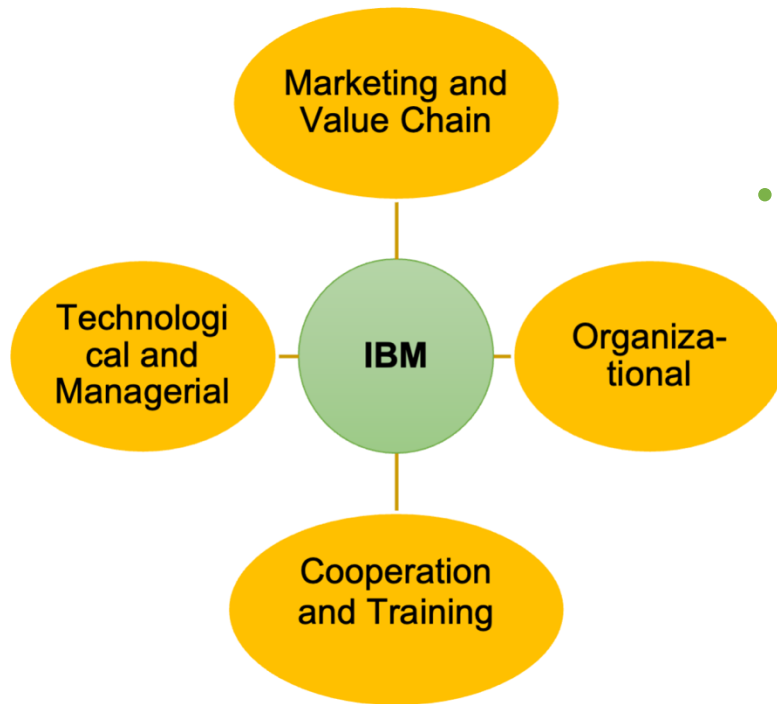
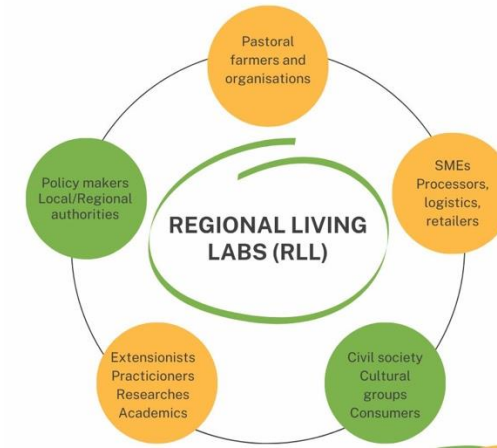
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PASTINNOVA - How we approach pastoral systems?

Common network on “Pastoral actors and VCP”

The mission of this common network will be to *pool existing pastoral resources with different levels of maturity* and to *re-adapt, replicate (at higher TRL) and transfer* the ones with high potential across Mediterranean Regions



- A participatory inclusive approach **based on Living Laboratories**
 - **Four Regional Living Labs (RLLs)**
 - Co-creation, co-design, implement, assess, characterize **Innovations and Business Models (IBM)**

- We already have ~100 IBM from all partners
- IBM were “shortlisted” by relevant partners
 - A pool of more than 35 IBM

Survey identity and outcomes

Toolkit of sustainability indicators and forecast analysis of future Scenarios

- Design a **farm typology** for pastoral sheep farms per country (based on local/national experience and particularities – Consultation with stakeholders)
- Farm **survey** to collect data from **representative sheep farms** per country
- Questionnaire prepared and sent to partners
 - Collection of detailed technical and economic data
 - A guide with data from a Greek sheep farm was provided
- **Technical and economic analysis per farm type for each country**

7 countries involved: Italy (CNR and UNIVPM), Cyprus (CIRRD), Turkey (CUNI), Algeria (INRAA), Croatia (UZ), Greece (ELGO-AUTH), France (INRAE) – **76 farms in total**

Descriptive technical and economic analysis

- Crop/Livestock demands in physical and economic units – Descriptive analysis
 - Presentation by input, by task etc
 - Permits to pinpoint the most demanding tasks and/or the most scarce inputs
 - Good for initial comparisons between crops and farms
- Calculation of financial results – Indicators of economic performance

Some questions..... Are there responses?

“These farms are small and unproductive”

“Pastoral farmers live off subsidies”

“Higher feed costs are a disaster”

“It is not possible to live off livestock pastoralism”

“Who needs salaried shepherds?”

MYTHBUSTERS



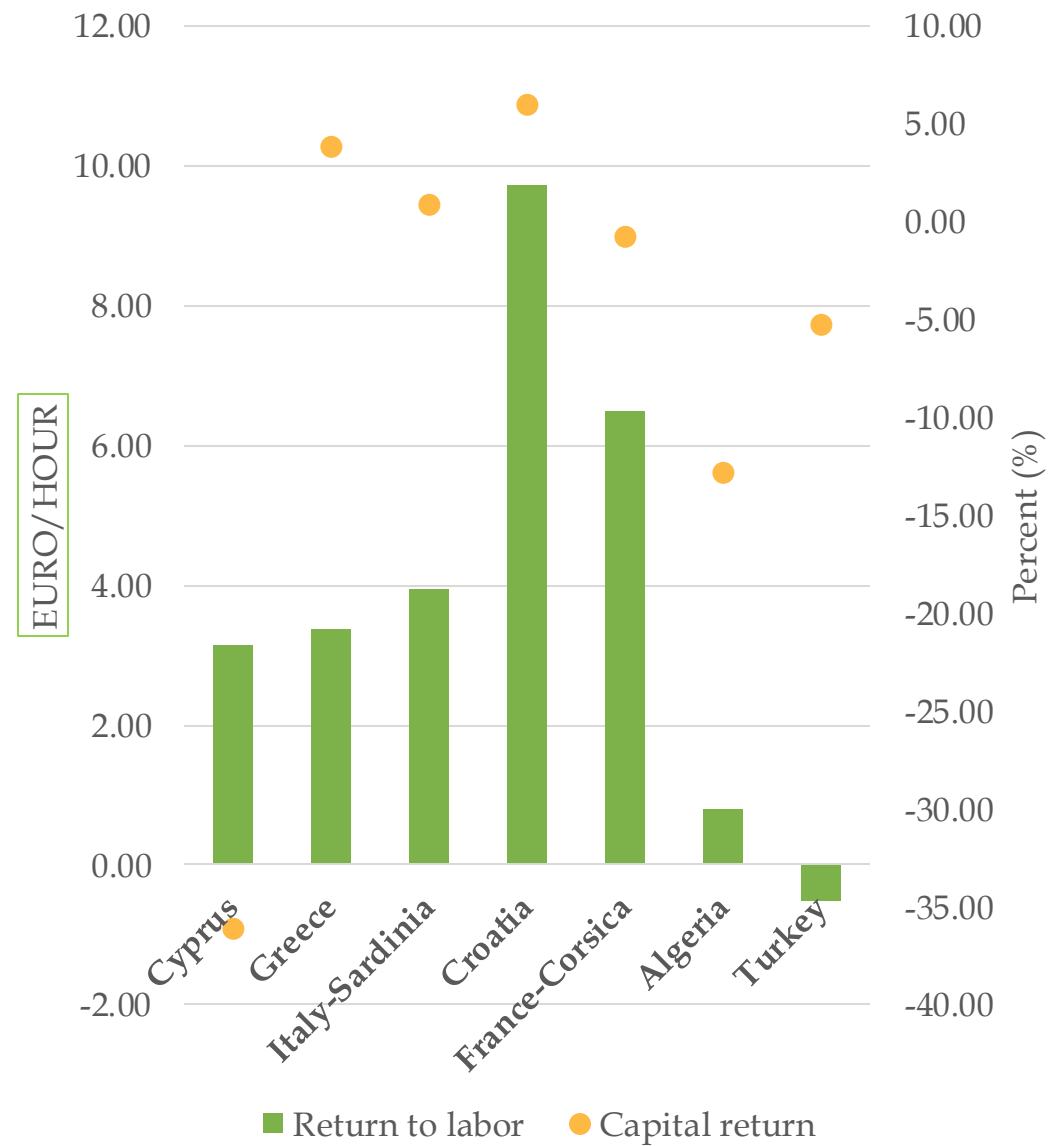
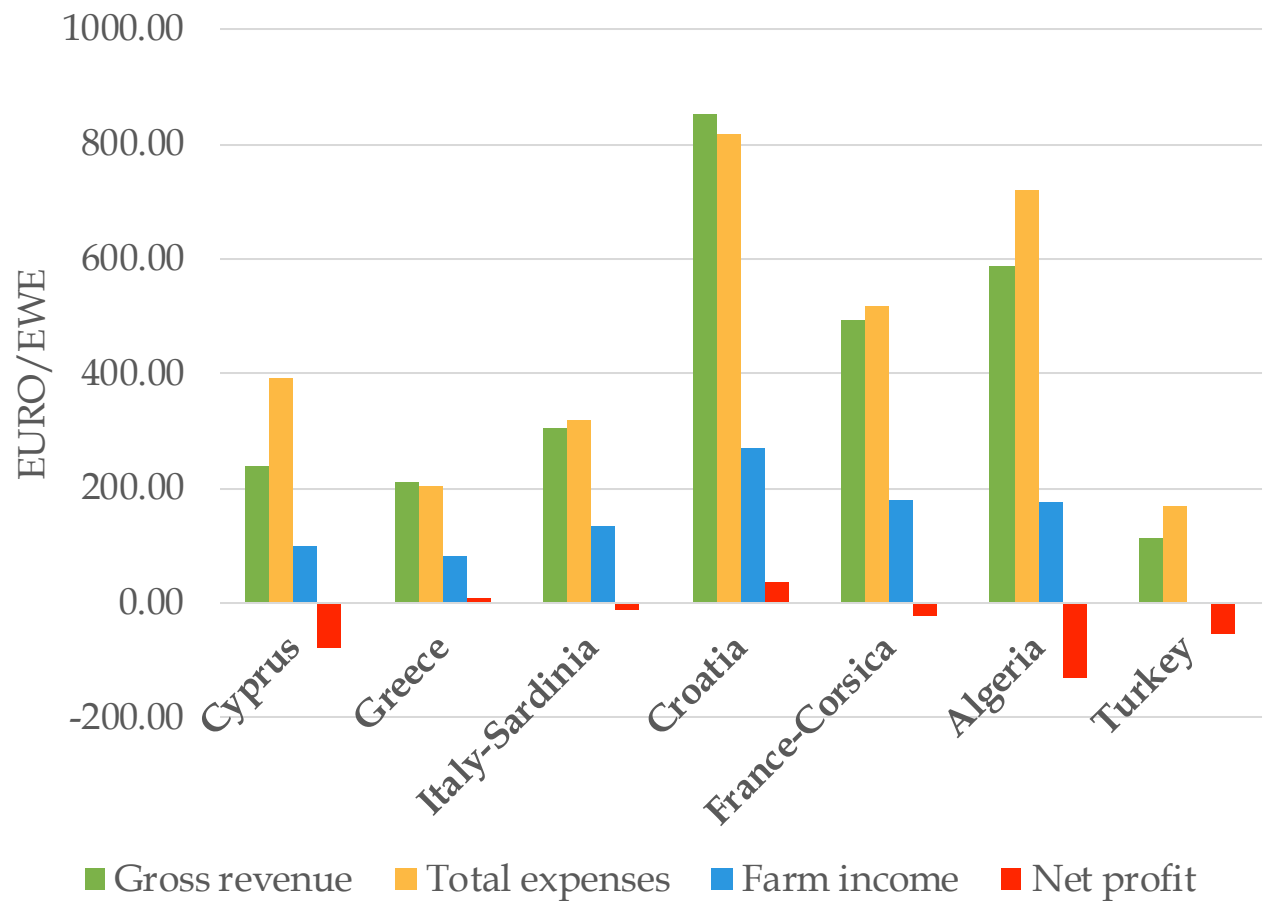
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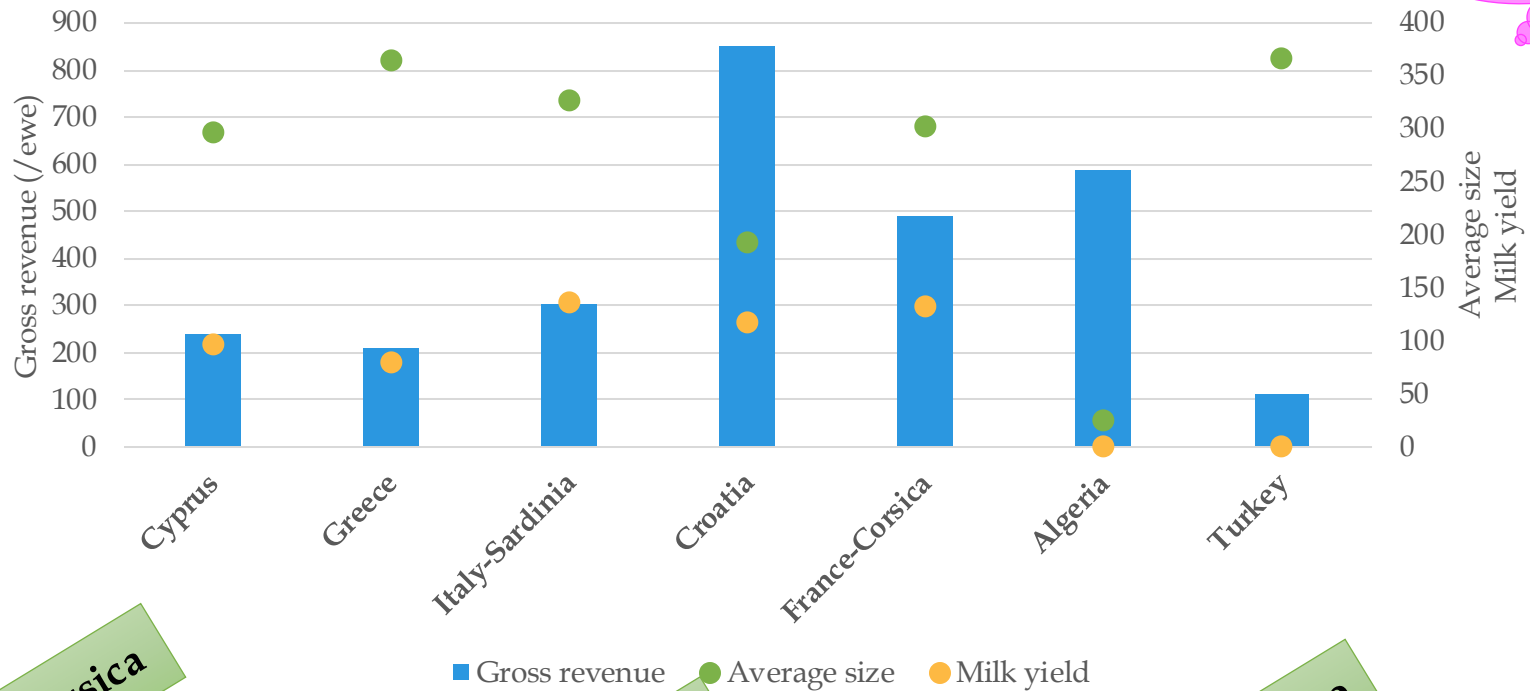


“It is not possible to live off livestock pastoralism”



“These farms are small and unproductive”

Is productivity really the catch?



Croatia



Corsica



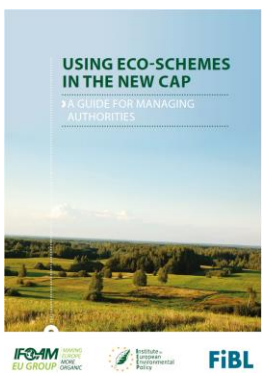
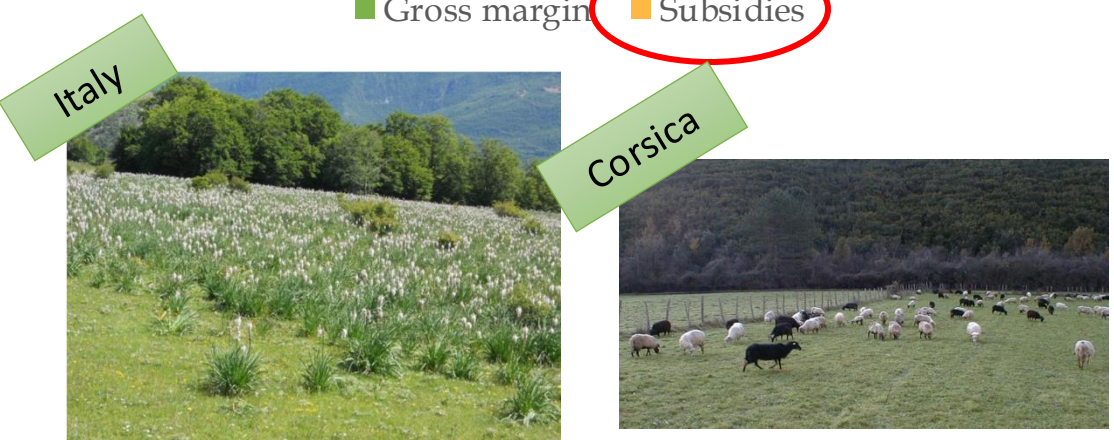
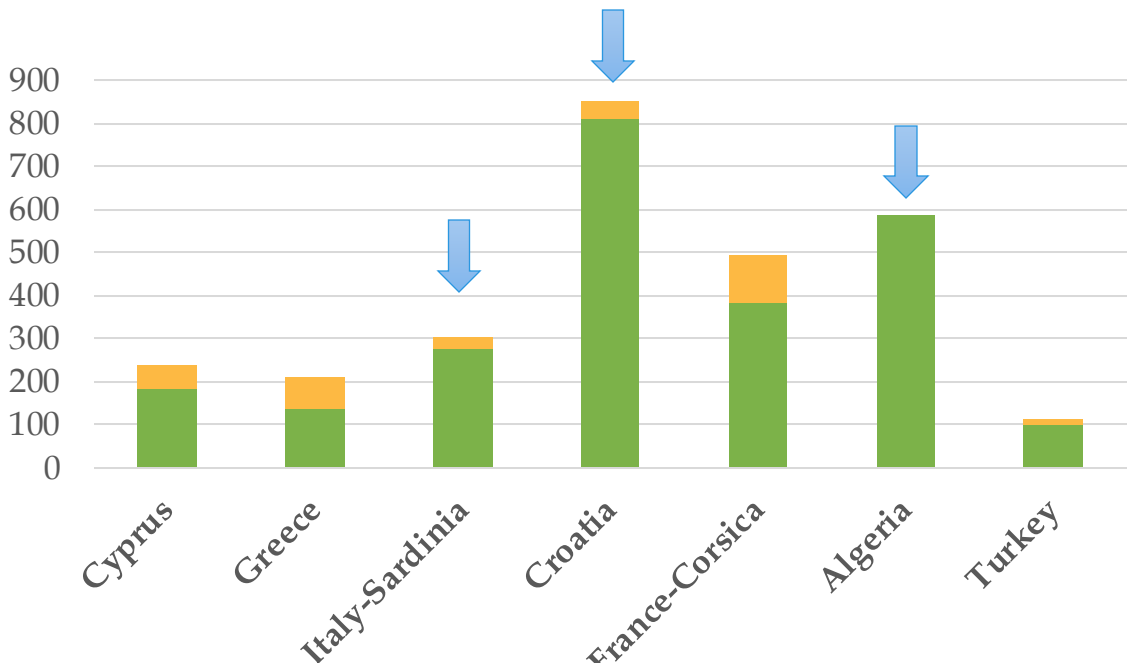
Cyprus



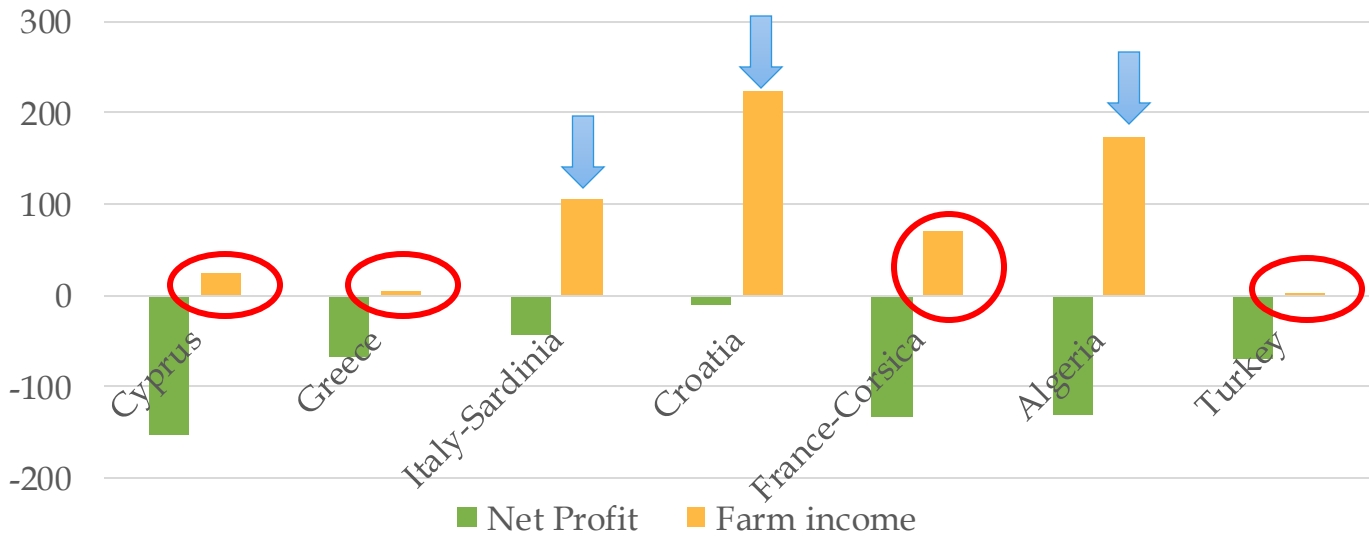
Greece



“Pastoral farmers live off subsidies”

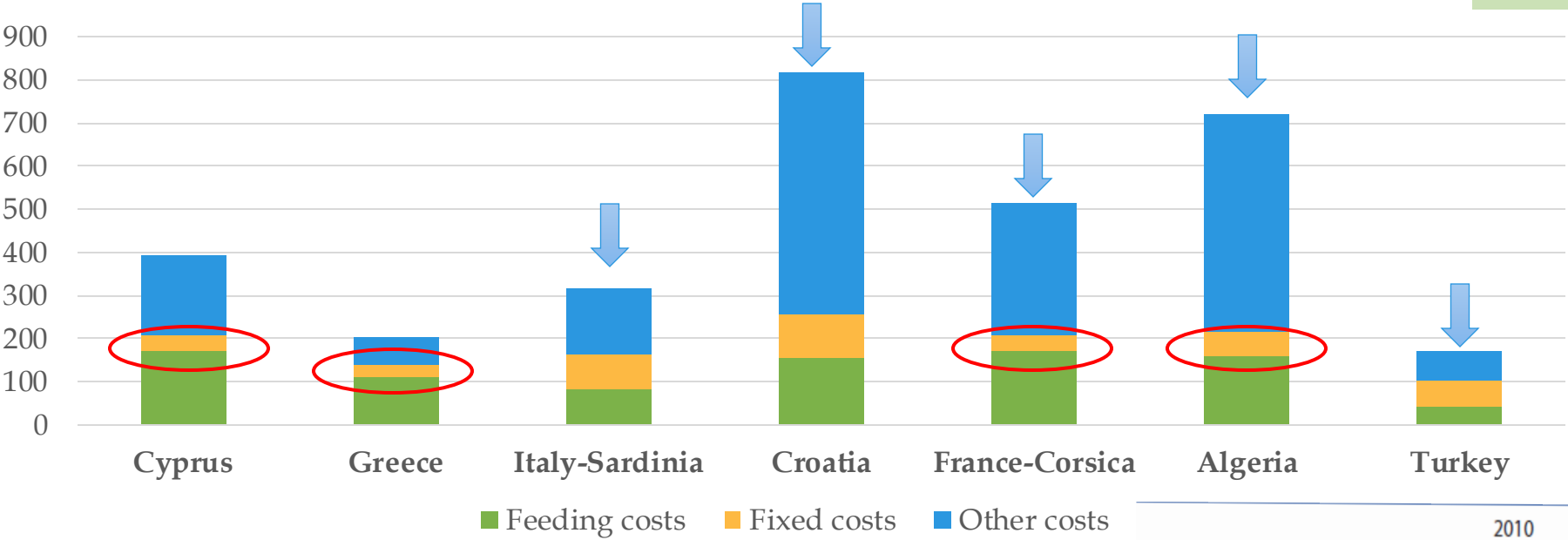


So many policy bottlenecks – NOT THE INCOME SUPPORT



“Higher feed costs are a disaster”

Climate change – Feed autonomy
Rangeland management



15 Collective and individual approaches to pastoral land governance in Greek silvopastoral systems

The case of sheep and goat transhumance

Athanasios Ragkos and Stavriani Koutsou



	2010			2014		
	Expenses per farm(€)	€/ewe	% of total expenses	Expenses per farm(€)	€/ewe	% of total expenses
Land rent	4,947.0	20.3	6.4	3,581.9	16.4	4.7
Labour expenses	18,620.1	76.4*	23.9	18,497.2	84.6*	24.5
Family labour	15,322.9	62.8*	19.7	17,569.2	80.4*	23.3
Hired labour	3,297.2	13.5*	4.2	928.1	4.2*	1.2
Capital expenses	54,199.5	222.3*	69.7	53,344.2	244.0*	70.7
Variable capital	28,891.0	118.5*	37.2	28,035.7	128.2*	37.2
Feedstuff expenses	22,437.8	92.0*	28.9	22,412.4	102.5*	29.7
Other variable expenses	6,453.2	26.5	8.3	5,623.3	25.7	7.5
Fixed capital	25,308.5	103.8	32.5	25,308.5	115.8	33.6
Total production expenses	77,766.6	319.0*	100.0	75,423.3	345.0*	100.0

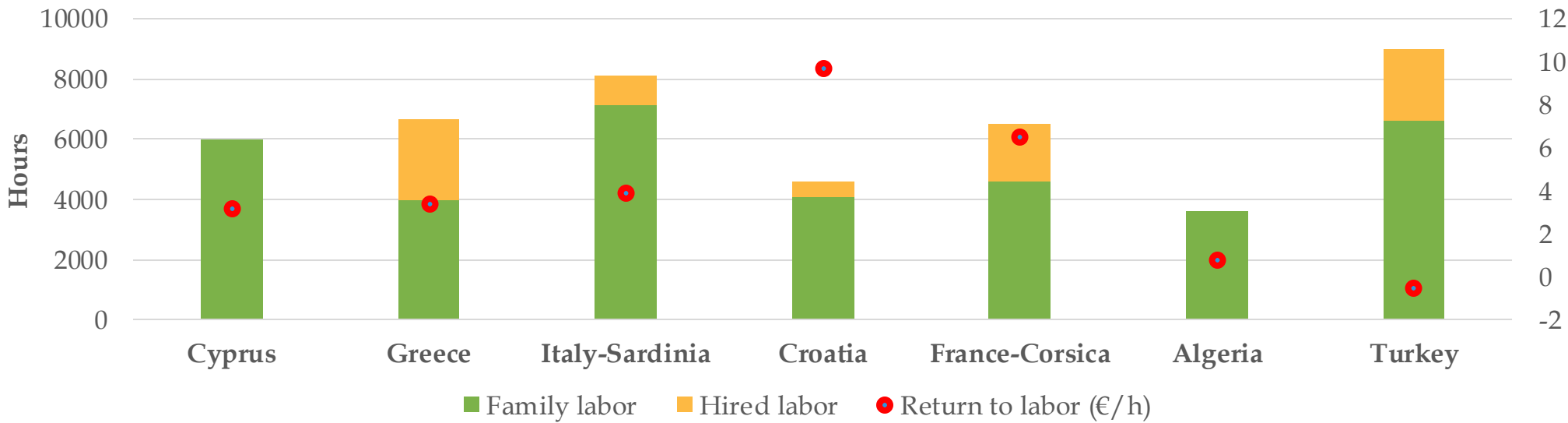
“Who needs salaried shepherds?”



Shepherd Schools



Make pastoralism attractive for family members



Why stay in the family farm?

Some responses.....

**"These farms
are old and
unproductive"**

**High quality
products for
creative marketing
ideas**

**"Pastoral
farmers live off
subsidies"**

**Need for enabling
frameworks and
equal opportunities**

**"Higher feed
costs are a
disaster"**

**Emphasize local
solutions – Big cost
savings show the
way to others**

**"It is not
possible to live
off livestock
pastoralism"**

**Accept and promote
new activities, new
products, more
species....**

**"Who needs
salaried
shepherds?"**

**Passionate, happy,
experienced people
– New roles in
inclusive societies**



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PRIMA
IN THE MEDITERRANEAN AREA

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Realization that pastoralism is evolving, adapting

"Pastoral photos are always black and white"



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And what?

- Need for informed, evidence-based opinions
- Stronger and rational voices in the policy debate
- Need for information flows – Deeper understanding

Huge diversity of farm types, species, products, practices, activities.....



Context-related analysis and specific solutions



PASTINNOVA Economic analysis – Our group

Algeria (INRAA) - Khaled Abbas, Rachida Amri

Cyprus (CIRRD) - Sokratis Sokratous

Corsica (INRAE – SELMET) - Jean-Paul Dubeuf

Croatia (UNIZG) - Ante Ivankovic

Greece (ELGO, AUTH) – Alexandros Theodoridis, Dimitris Skordos, Georgia Koutouziou, Athanasios Ragkos

Italy - Sardinia (CNR, Rete APPIA) - Antonio Franca, Pasquale Arca, Giovanni Altana

Italy – Marche (UNIVPM) – Paride d’ Ottavio, Matteo Francioni, Marco Bianchini

Turkey (CUNI) - Nazan Koluman



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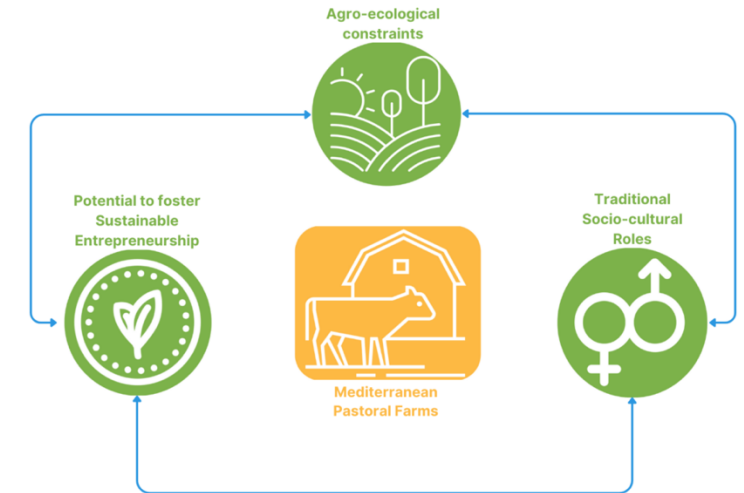
Concept - Pastoralism

A pastoral system is a complex structure emerging from interactions of raising livestock and utilizing natural resources, in which breeders share production purposes, traditions and cultural values

Extensive grazing is substantial but includes

- A gradient of **intensification** in the use of rangelands
- Diverse **species** and local **breeds**
- Livestock **movements** (sedentary, transhumance)
- Use of salaried **labour** and fixed/variable **capital** at different degrees

PASTINNOVA focuses specifically on **smallholders maintaining 'pastoral identities'**



- ☐ Social role
- ☐ Environmental role
- ☐ Cultural role