



INNOVATION ON FARMS

PARTICIPATORY APPROACH METHOD & THE ISAGE EXPERIENCE

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Research strategies which emphasize participation are increasingly common



PRIMA initiative is based on an extensive participatory process that will target a critical mass of key players at international level and all relevant stakeholders of the food and water sectors.



- Stakeholders have different knowledge and skills that complement each other.
- Working together might get better results.
- Constraints and limitations of one group compensate strength of the other.



iSAGE is a fully participative project

Stakeholder type	Description	Number
Farmer/ breeder groups	Co-operative that assists and works with farmers or breeders directly i.e. manages breeding program, records data and advisors farm management	10
Farm	Commercial farms or breeders that work with research institutions	3
Industry	Large organisation that represents the commercial interest of farmers, including promotion, marketing and dissemination	4
University	Research group from a University that specialises in sheep and goats	5
Public research	Research group from a public organisation that specialises in sheep and goats	5
Farmer research	Non-profit, non-governmental research organization funded by farmer levies	3



• Test selected innovations in case studies...

... to increase sustainability and viability of sheep and goat farming

- Innovations are selected in a participatory process
- Get feedback on effectiveness and implementation constrains



• It is not just technology, but...

"The implementation of a new or significantly improved product (good or service), or process, a new marketing method, or a new organizational method in business practices, workplace organization or external relations which can be new to the firm, new to the market and new to the world" (OECD)

• The definition of an innovation depends on the system/situation analyzed



- 31 case studies
- Selection depended on:
 - Resources available
 - Organizational constrains
 - Interest and expertise
 - Challenges considered critical for each case





Innovation case studies

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Туре	Innovation case study	Country
Breeding & genetics	1) Evaluation of reproductive performance of crossbreeds of Romanov and Turkish Native Breed	Turkey
	2) Potential, drivers and constraints of genomic selection in sheep and goat sector	Spain, France and Greece
	3) Analysis of farmers perception of the drivers and constrains for the uptake of a new selection index for ewe productivity	Finland
	4) Assessing parasitic resistance of UK local and newly introduced sheep breeds in organic/low input and conventional farms.	United Kingdom
	5) Assessment of ROA GENE effect on Rasa Aragonesa breed productivity	Spain
	6) A new longevity breeding goal for Lleyn sheep	United Kingdom
Feeding	7) Better utilisation of farm forage– reduce reliance on imported concentrates and forages on the farm	France
	8) Assessment of feeding alternatives in sheep and goat farms in Turkey	Turkey
	9) Grazing in arable rotations	United Kingdom



Innovation case studies

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Туре	Innovation case study	Country
IT technologies and individual recording	10) Extension activities for individual recording	Greece
	11) Mobile flock management of intensive sheep farm	Turkey
	12) Reproductive performance recording in intensive dairy goat farming	Turkey
	13) Assessment of Eskardillo: a platform based on individual data collection to improve decision making and management in dairy goat	Spain
	farms.	
	14) Individual data collected from RFID for several purposes	France
	15) Training and implementation of farm management application (AWIN)	Greece
Environment	16) Ecological knowledge transfer and sharing expertise from Transhumance	Turkey
	17) Carbon efficiency and footprint comparison for various farming systems	Turkey
	18) Small ruminant farmers' perception on climate change impact and assessment of adaptation innovations	Turkey
	19) Holistic Management and Farm Sustainability Assessment Tools	United Kingdom



Innovation case studies

Products and marketing	20) Participatory Guarantee System for Brogna sheep Association in	Italy
	Lessinia	
	21) Functional food production from goat milk and lamb meat	Turkey
	22) Marketing innovations for transhumance dairy products	Greece
цо	23) Testing of a new sheep and goat AI speculum	Spain, France and Greece
	24) Controlling reproduction in sheep and goats and developing	Turkey
	easycare breeds	
acti	25) Testing assisted reproduction tecnologies in dairy goats and maternal	Turkey
lpo	sheep	
Reproduction	26) Drivers and farmers perception on hormonal control uptake in	Turkey
N N	extensive farms in Turkey	
Farmer training	27) Assesment of Ambassador programme	United Kingdom
	28) Assessment of Flock Health Programme	United Kingdom
Others	29) Controlled weaning in organic goat rearing	Italy and Greece
	30) Managing Haemonchus burden in lambs using a copper oxide bolus	United Kingdom
	31) Portable milking machine in different farming systems	Turkey
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- Multi-stakeholders participative work is far from easy
- Who participates influence the type, focus and usefulness of the research outcomes
- Control over the research is rarely devolved completely onto the "stakeholders"...

...nor do 'stakeholders" always want it



Stakeholders involvement (in time and energy) in the project...

...depends on the perceived direct benefit

• Farmers (and researchers) have to weigh their input or time investment with the expected output



Participative research implies

a sharing of aims

between stakeholders



Innovation for Sustainable Sheep and Goat Production in Europe



THANK YOU

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