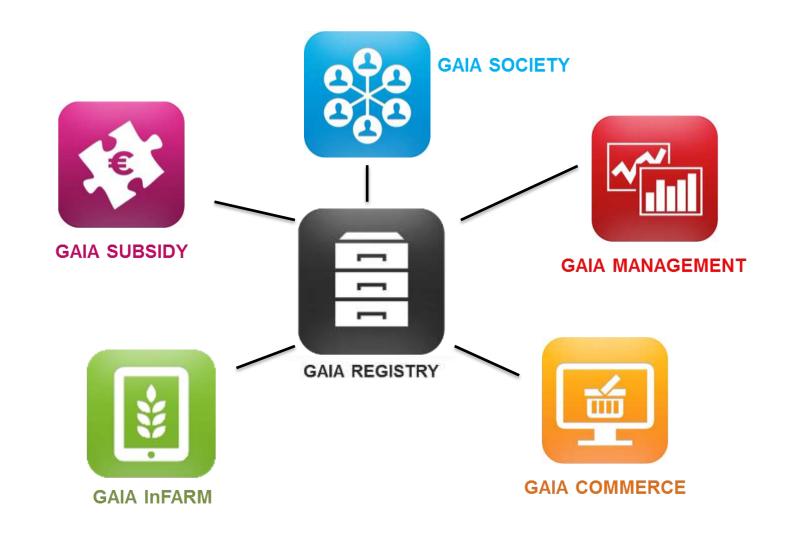
holistic management tool for livestock farming

Fotis Chatzipapadopoulos











# Problems of ruminants farms in Greece

high costs feedstuff, energy, capital costs

low productivity feedstuff, breeds, stables

**risks** animal health, inputs costs, market risks

product quality safety, quality, value, storage, transfer

capital raising





# Some causes responsible of the problems

- High costs Small farms
- Low productivity
  - Risks
  - Product quality
    - Capital raising

- Heavy use of purchased feedstuff
- Low accessibility to experts knowledge
- Lack of genetic improvement of animal breeds
- Control and monitoring of animal diseases
- Low investment on means for quality production
- Low credibility of small farms





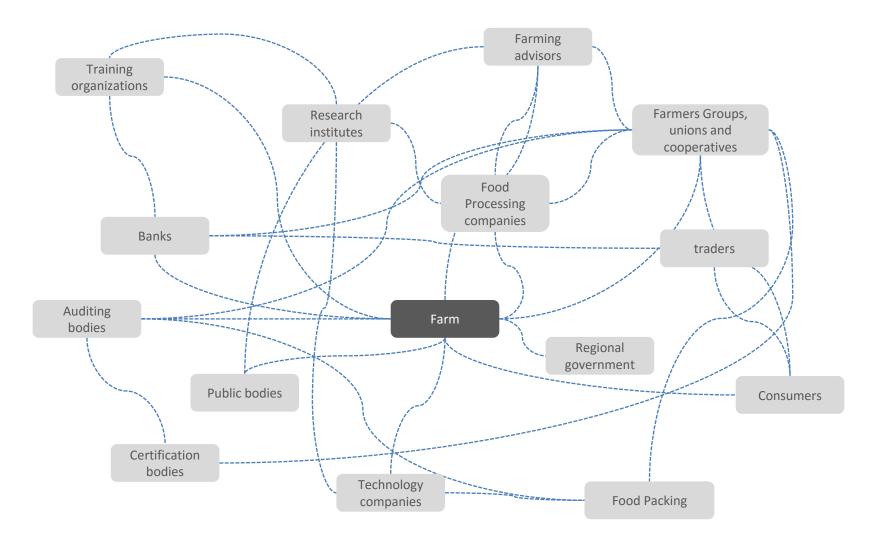
## How can one deal with the problems?

- Small farms
- Heavy use of purchased feedstuff
- Low accessibility to experts knowledge
- Lack of genetic improvement of animal breeds
- Control and monitoring of animal diseases
- Low investment on means for quality production
- Low credibility of small farms

- Cooperation
- Pastures, Cooperating with Producers, Innovation
- Proactive consulting, Experts network, Monitoring
- Monitoring, Central Planning, Proactive consulting
- Timely notification, Central Planning, Proactive consulting
- Funding, Proactive consulting, Proper exploitation of incentives
- Observability, Rational management

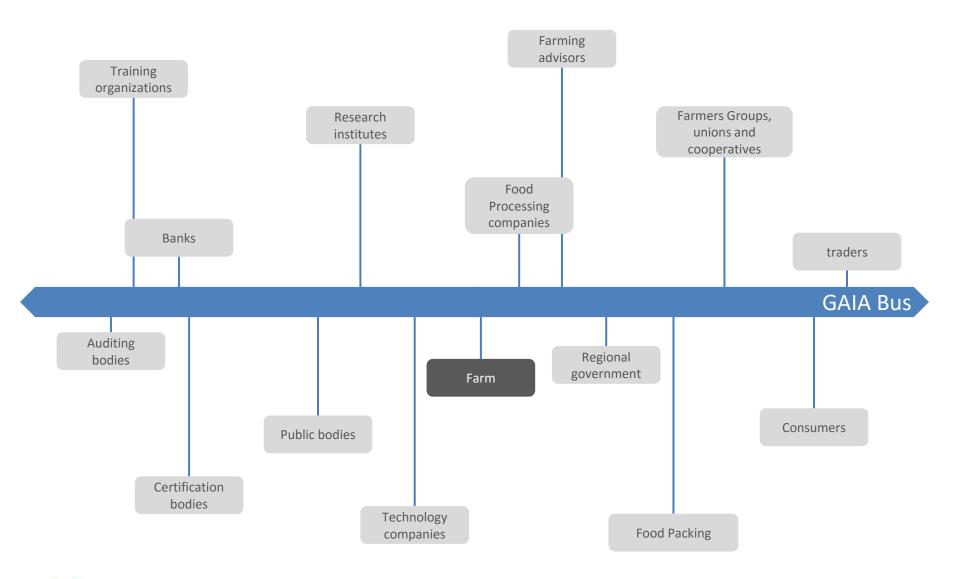






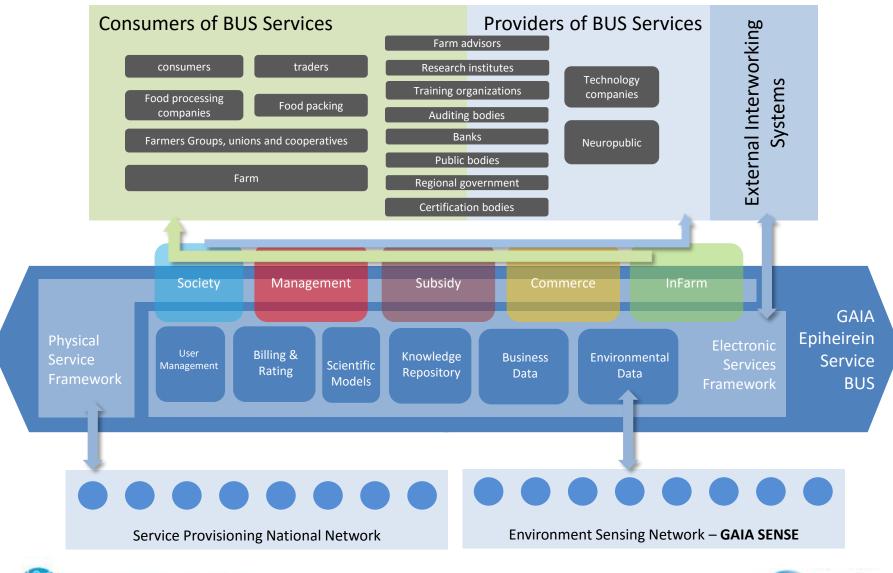






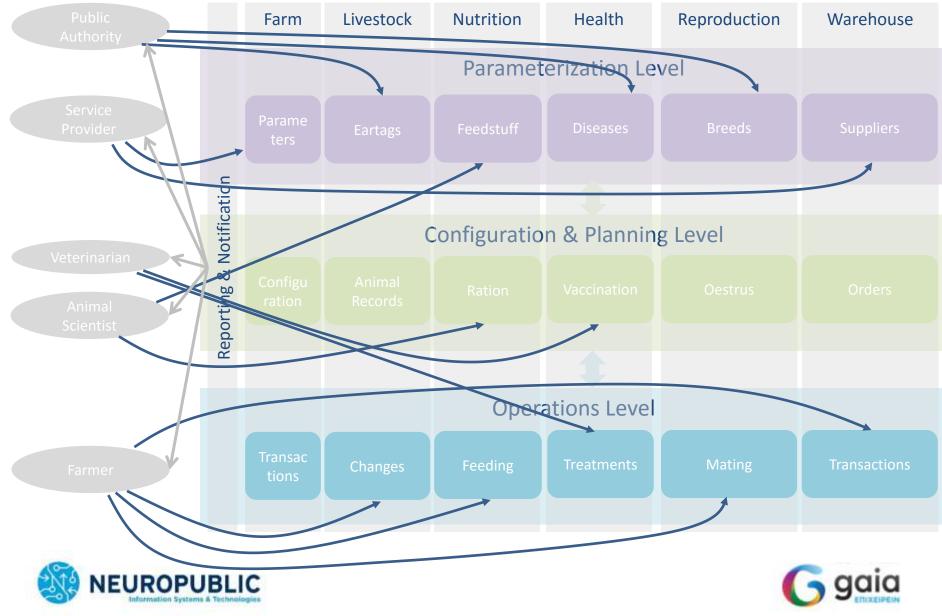












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### Health management

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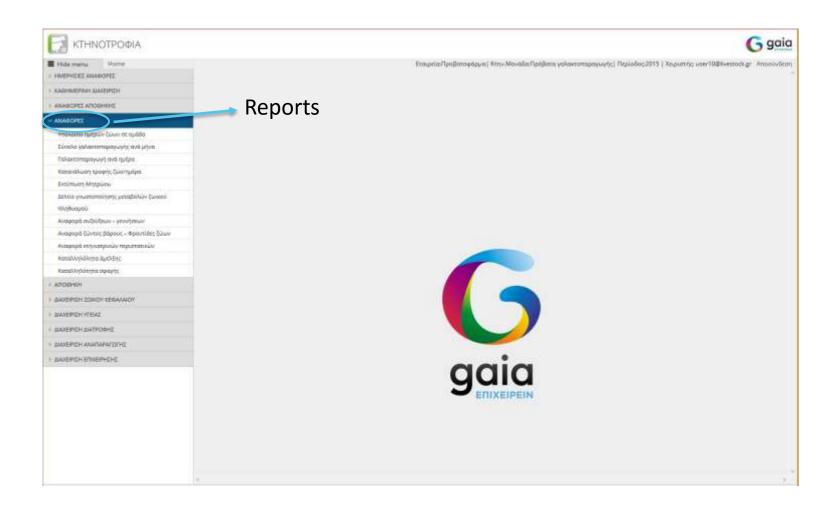


### Farm management

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<ol> <li>Χαμκρινή διαμονή: ΔΗΜΟΣ ΚΩΔΙΚΟΣ ΑΓΡΟΤΕΜΑΧΙΟΥ ΕΚΜΕΤΑΛΛΕΥ</li> </ol>	ΤΟΠΟΘΕΣΙΑ Ή ΘΕ ΓΕΩΓΡΑΦΙΚΟ ΜΗ	MEPO	σ. Γ. (Καταγ	ροφή-μεταξ	Ιαλές ζωικού	ոληθυσμα	ύ με ατ	оржо к	ယစ်းလ် ဝနား									
NEO XAPTOIPAΦΕΚΟ ΥΠΟΒΑΘΡΟ		-	-	-	- T				-		EIEOAOE		-	-	EEOVOE	-	-	
2. Θερινή διαμοχής ΔΗΜΟΣ ΚΩΔΙΚΟΣ ΑΓΡΟΤΕΜΑΧΙΟΥ ΕΚΜΕΤΑΛΛΕΥ ΝΕΟ ΧΑΡΤΟΓΡΑΦΙΚΟ ΥΠΟΒΑΒΡΟ		A/A	ремент	204014V		ZHNRWDI 345 XCMM	(U)VUV	EN/NB	FONDTYTERS (00v 80va yeekming)	IBMPCORINGA TEMMETER	EINDOY	EXMET AVXE V2H TROEAEY2H2	HIRIER CONNEN	DAMATCURO DAMATC	RANTEOV BONETAVLEYEN RPDORENOV	METAROPEAL KAI METAROPHO HEDO	Z456/T/AA VTIOFPADHI VTIOFPADHI	INTERNATION INTERNATION
EYETEFAZOMENEZ EKMETAANEYZEIZ:			-	3	_	4			7						772.0			-
	2.3.	49	2		19912	4	5	6 Xiou	7		9	10	11	12	13	14	15	16
	นกระจะการจะสะไปของการสะบาง	50	18/12/2014				11	Xinu	+ +		-		05/2015	11	3203	-	-	-
	<b>STOIXEIA KATOXOY 'H YITE</b>	51	18/12/2014				11	Xiou					05/2015	n	3263	-	-	
Επωνυμία/Επώνυμο	Όνομα Πατρώνυμο	52	18/12/2014	EL0136253	27310		п	Klau					05/2015	11	3293			
A.Φ.M.	Α.Δ.Τ	53	18/12/2014				8	Klou					05/2015	- N	3203			
		54	58/12/2014	Conceptual and date			п	xlau			_		85/2015	n	3263	-	-	
		55	38/12/2014				1	Kigu	-				05/2015	n n	3203	-	-	-
		57	57712/2014	and the second division of the second divisio	and the second se		п	Xlov	+ +		_		05/2015	n	3203	-	-	
		38	36/32/2014				n n	Xiou	+ +				05/2015	n	3203	-	-	
		19	16/12/2014	and the second se	A REAL PROPERTY AND A REAL			Xiou	-		_		05/2015	0	3203	-	-	
		60	16/12/2014				n	Xiau					85/2015	n	1303		-	
		61	54/12/2014	EL0136253	27252		п	Xiou					05/2015	n	3203	-	_	
		62	14/12/2014	81.0136253	27291		n	Xlou					05/2015	n	1203			
		63	11/12/2014	EL0136253	27250		n	Klau					05/2015	n. –	3203			
		64	25/12/2014	EL0136253	27249		n	Klou					05/2015	n	3203	-		
		88	25/12/2014	EL0136253	27482		n.	Kiau					05/2015	n	3203			
		66	25/12/2014	EL0136253	27481 1	A0056	п	Kiau					\$5/2015	π	3203			
		67	26/12/2014				п.	Xidu					05/2015	n	3253	-	-	
		68	26/12/2014				п	Nov					\$5/2013	n:	3203			
		60	26/12/2014			_	п	Xiou	-		_		65/2015	n.	3203		-	-
		70	26/12/2014				11	Xiou		-	-		45/2015	. 11	3203		-	
		21	26/12/2014	the set of all set of the set of the	which are in the second		11	Kou	-		_		05/2015	n	3203		-	
		72	26/12/2014	EL0136253	27476		n .	Nou	1 march	ف السميدية			05/2015	_ n _	3263			

Ο κάτομος ή ο υπολίωνος της ακματάλλευσης έχει την ευθώνη συμπλήρωσης του συνάλευ των ατηλών με εξείρεση τις ατήλες 15 και 18

Στις στήλες 8, 9 και 11 σωμπληρώγανται ο μηγιας και τα έτος.

- Στη στήλη 14 συμπληρόνονται ο κυδικός του μεταφορές και ο ομιξεκρισης του σχήμετος μεταφορός (δικυς καταφορέριστοι στα έγγροφοι κυκλοφορίος)





#### Ημερήσιες Εργασίες

#### Τάισμα Πρωί

#### Συνολικές ποσότητες τροφών

	Ζωο	προφή	Ποσότητο	Υπόλοιπο				
Ενσίρωμα Αραβοα	υστου		274,0	3.274,00	00			
Καλαμπόκι Μίγμα αμνών Μίγμα προβάτωι	Τάισμα Αι Συνολικές Ι	πόγευμα ποσότητες τροφών						
Μίγμα προβάτων		Ζωοτρ	οφή	Ποσότητο	Υπόλοιπο	1		
Τριφύλλι	Ενσίρωμα	Αραβοσίτου		274,00	3.000,000			
όρτο Μηδικής	Καλαμπόκ			7,15	20.559,900			
Ιοσόπητες τροφ	Μίγμα αμν	ώv		7,15	13.480,500			
Σιτη	Μίγμα προ	βάτων υψ <mark>η</mark> λής γαλακ	τοπαραγωγής	30,00	3.622,600			
ειτηρέσιο αμνών	Μίγμα πρα	βότων χαμηλής γαλαι	κτοπαραγωγής	39,80	12.118,800			
	Τριφύλλι			498,25	50 12.254,500			
	Χόρτο Μη	δικής		21,45	16.804,700			
Σιτηρέσιο προβά γαλακτοπαραγω	Ποσότητες	τροφών ανά Κελί / Ο	μάδα	10 72				
-	· · · · · ·	Σιτηρέσιο	Κελί		Ομάδα	Ζωοτροφή	Ποσότητα	M.M
	Σιτηρέσιο	αμνών	Γ Αμνοί - αρσενικά	Αμνοί - αρσ	ενικά	Καλαμπόκι	7,150	
						Μίγμα αμνών	7,150	Kg
Ειτηρέσιο προβά (αλακτοπαραγω	Σιτηρέσια	Ζώα ακατάλληλα πρ	ος άμελξη					
found to report to	γαλακτοι	Ομάδα	Ενώτιο					
	81820003500	Αμέλξεις Ζώων ανά	Ομάδα					
		Ομόδο	Αριθμός Ζώα	ων Ώρες				
	Σιτηρέσια γαλακτοι	Πρόβατα χαμηλής γαλακτοποραγωγής	102	2,55				
		Πρόβατα υψηλής γαλακτοπαραγωγής	68	1,70				

Ημερομηνία	Κατηγορία Συμβάντος	Περιγροφή Συμβάντος	Ενώτιο Ζώου	Διάγνωση	Ημερομηνία Έναρξης	Έκβαση	Χρόνος Αναμονής	Δοσολογία	Χρόνος Θεραπείας	Φάρμακο
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- Cloud architecture as exploited by GAIA Livestock enables :
  - Experts to monitor the farm and aid planning and daily operations
  - Government authorities to extract and monitor statistical data concerning animals, breeds, health, productivity, traceability and intervene in planning
  - Researchers to extract useful data and try new models in decision support system for farms
  - Farmers to simplify their access and use of a modern management tool at low cost
  - Farmers to compare their farm efficiency to the statistics of similar farms
  - Farmer groups to have better management and control to their members efficiency
- Close integration of service provisioning and cloud application enables:
  - Farmers to focus on operating and decision making and not in keeping the logistics
  - Farmers easy access to experts knowledge
  - Farmers easier access to funding and capital raising
  - Farmers to cooperate and create groups
  - Improve the efficiency and competitiveness of their farm





# Thank you

### Fotis Chatzipapadopoulos



