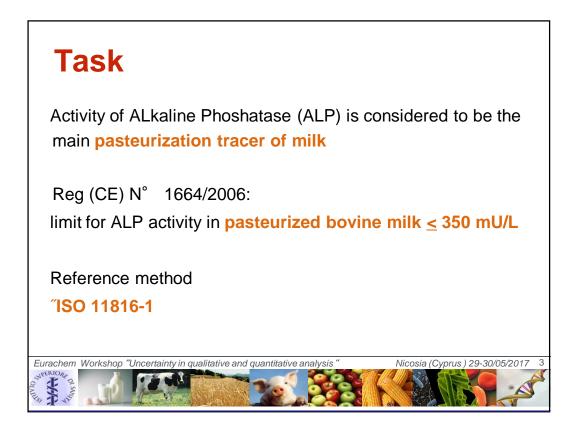


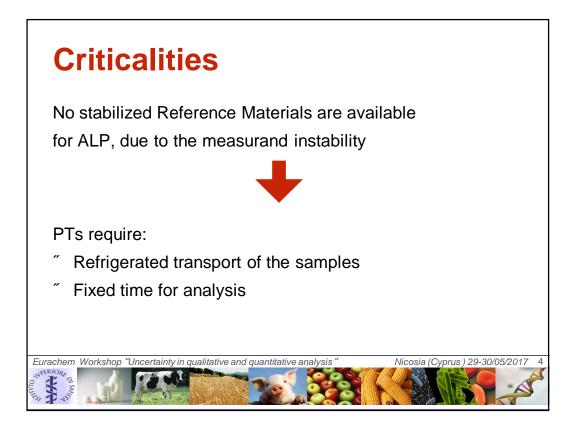
Roles

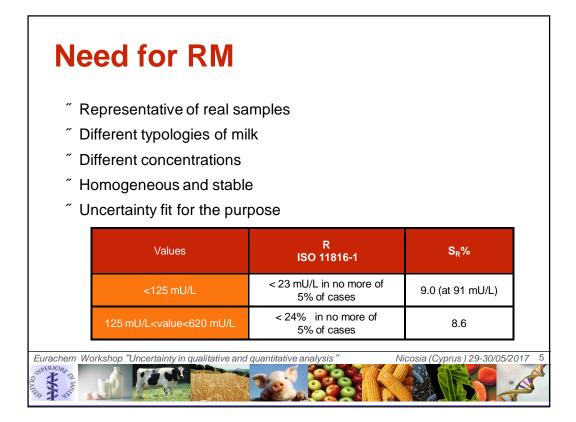
National Reference Centre for bovine milk was designed by the national legislation D.M. 08.05.2002. It is mainly focused on qualitative improvement of milk, profilaxis of mastitis, payment system for milk quality and production and validation of RMs for quality controls in milk and milk products analyses

National Reference Laboratory for Milk and Milk Products

was designated in 1997 by the national legislation DPR n.54 and reconfirmed by Reg (CE)882/2004. It operates at national level according to art 33: basically, collaboration with the EURL-MMP, coordination of the official laboratories activities and PT organization in dairy sector

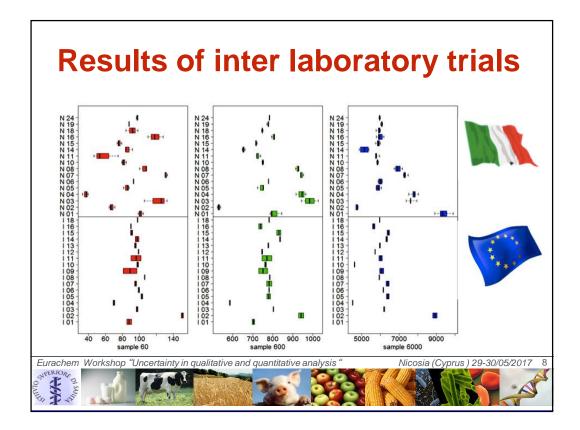






	Samples preparation					
	Semi skimmed milk treatment	Expected concentration	Sample Cod			
	pasterization 63 °C -30 '	< 350 mU/L	sample "60"			
	thermization 63 °C-15'	800 mU/L	sample "600"			
	dil 1:1000 with ALP free milk	< 7000 mU/L	sample "6000"			
Eurac	hem Workshop "Uncertainty in qualitative and quantita	ntive analysis * Ni	cosia (Cyprus) 29-30/05/2017			

Ch	a	racteri	zation
20'	13	IZS-LER	Homogeneity and stability studies of the samples
207	14	1° trial	Consensus value and robust SD from participants in a national PT round(18 labs and EURL-MMP) using the same method samples analyzed in triplicate
20'	15	2° trial	Consensus value and robust SD from participants in a european PT round (17 NRLs and EURL-MMP) using the same method samples analyzed in duplicate
Eurachem Wo	orksho	p "Uncertainty in qua	litative and quantitative analysis "Nicosia (Cyprus) 29-30/05/2017 7



Assigned values from PTs							
		2014 PT		2015 PT			
Samples	n	Assigned value (mU/L)	u _x (%)	n	Assigned value (mU/L)	u _x (%)	
60	48	91	8.2	34	96	2.0	
600	48	793	4.7	34	776	1.7	
6000	96	6297	5.3	32	6041	2.1	
Eurachem Workshop "Uncertainty in qualitative and quantitative analysis "Nicosia (Cyprus) 29-30/05/2017							
Eurachem Worksh							

2014 Italian trial 2015 European trial										
Sample	Outliers/ #Observations	value (mU/L)	U (p95, k=2)	U%	u _x %	Outliers/ #Observations	value	U (p95, k=2)	U%	u _x %
60	12/48	91	9	9.9	4.9	8/34	97	5	5.4	2.
600	9/48	760	65	8.6	4.3	4/34	775	34	4.4	2.:
6000	12/96	6267	568	9.1	4.5	6/32	6088	375	6.2	3.

