

in terms of environment, economics and social criteria – worldwide

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Switzerland - is this the system for the future?

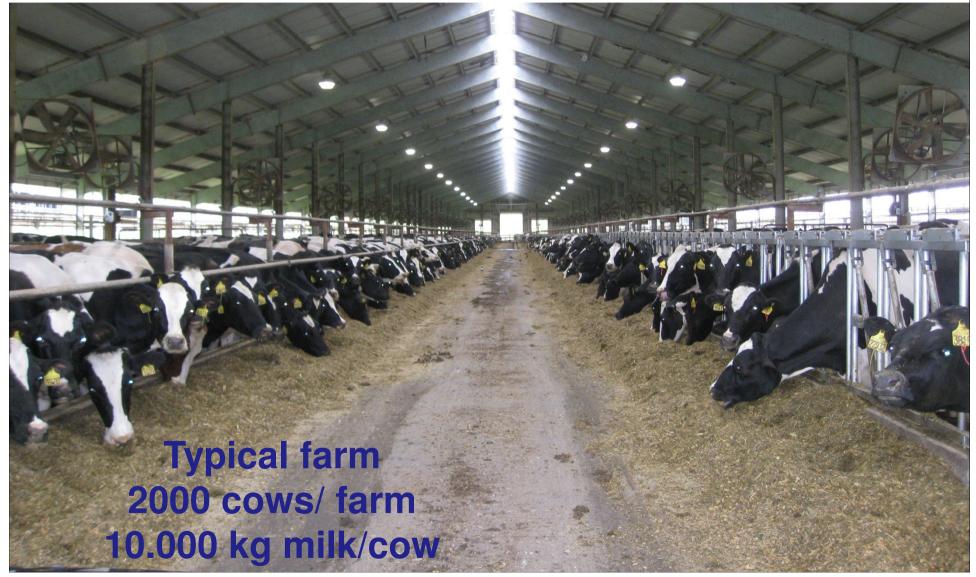
+ landscape and rural culture preserving,

- extremely high in costs (1 US\$/kg milk)
- highly depended on policy (tariffs + direct payments)



USA - is this the system for the future?

+ High yield, + low CO2 emissions
- high in costs especially once grain price rise (0,4\$/kg milk)
- the dairy cow a competitor for human food?



Bangladesh - is this the system for the future?

- very low yield - very high CO2 emissions

+ The dairy cow a converter of straw into milk, + very low costs (0,25\$/kg)

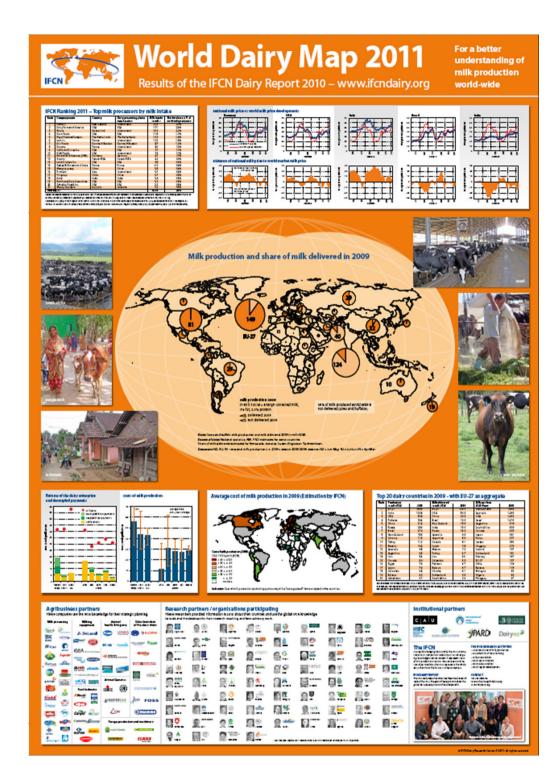


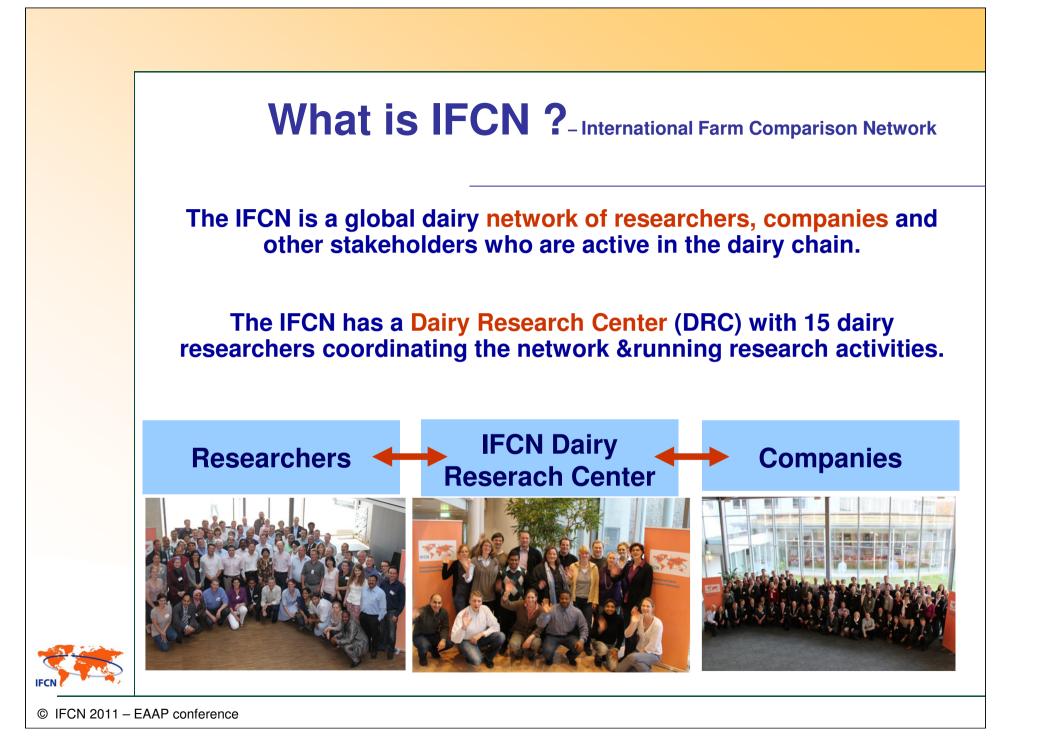
Outline

- **1. Introduction**
- 2. IFCN method & Status quo analysis
- 3. Ideas for the future

4. Summing up

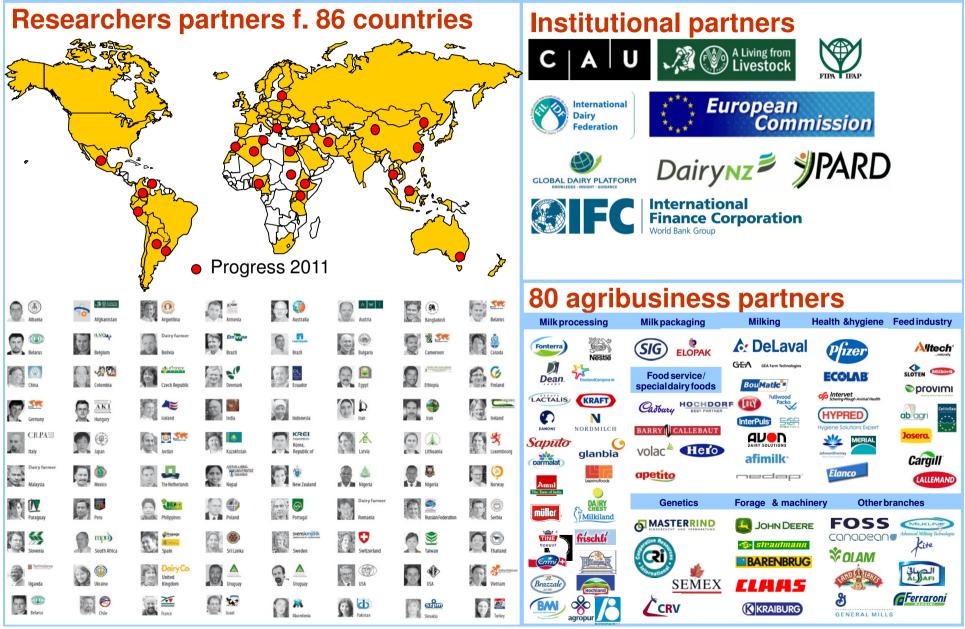


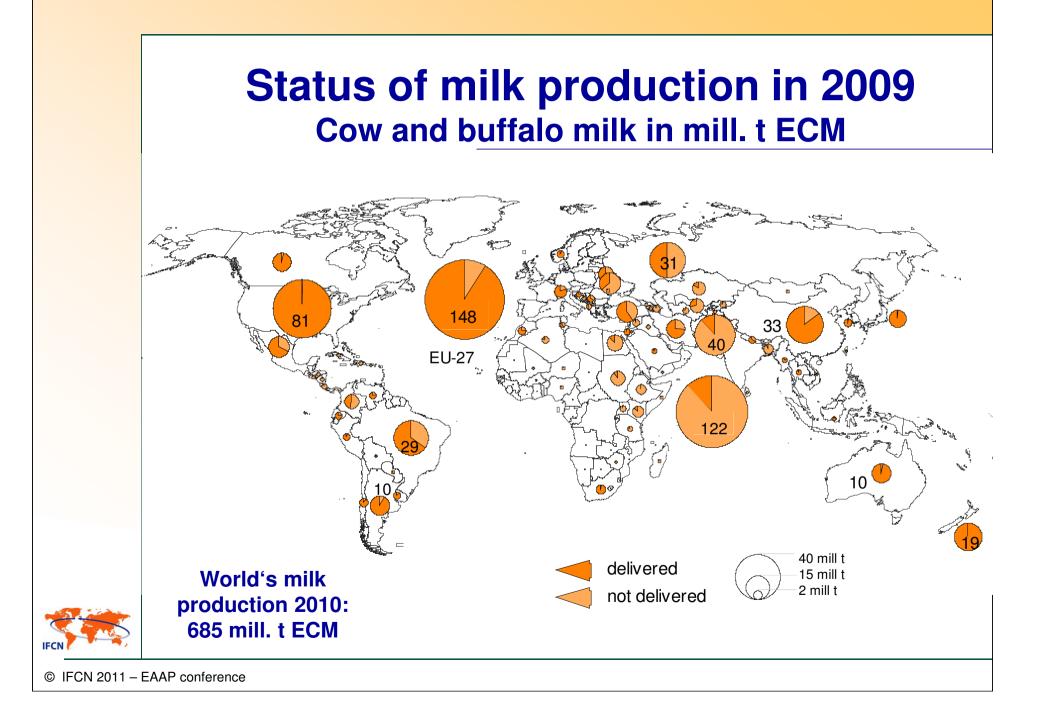


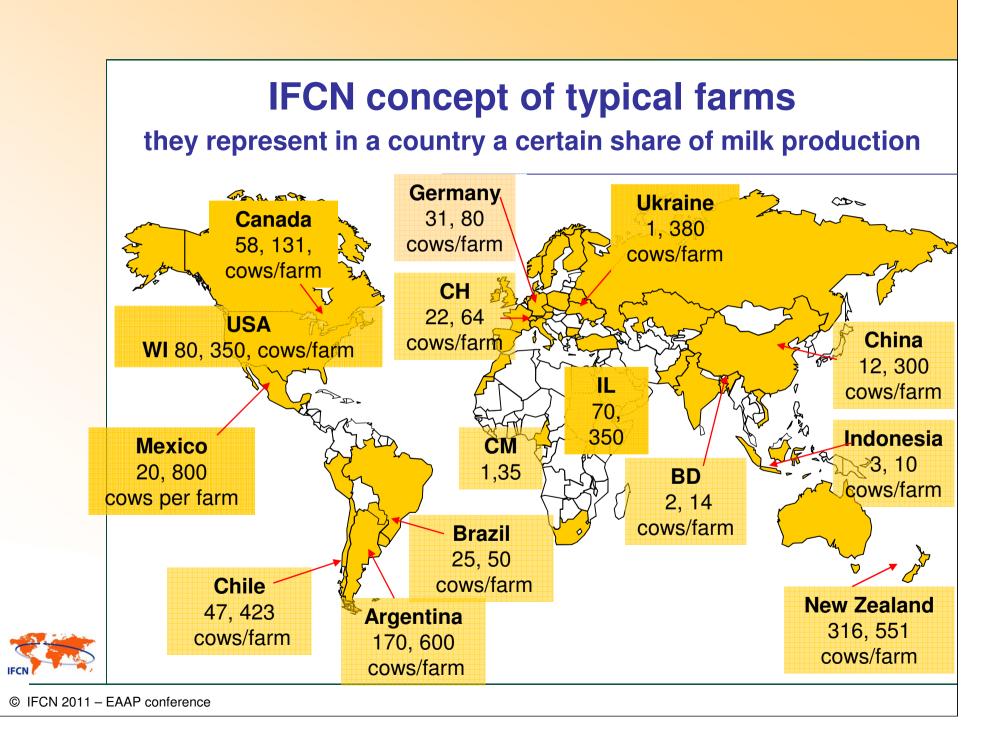




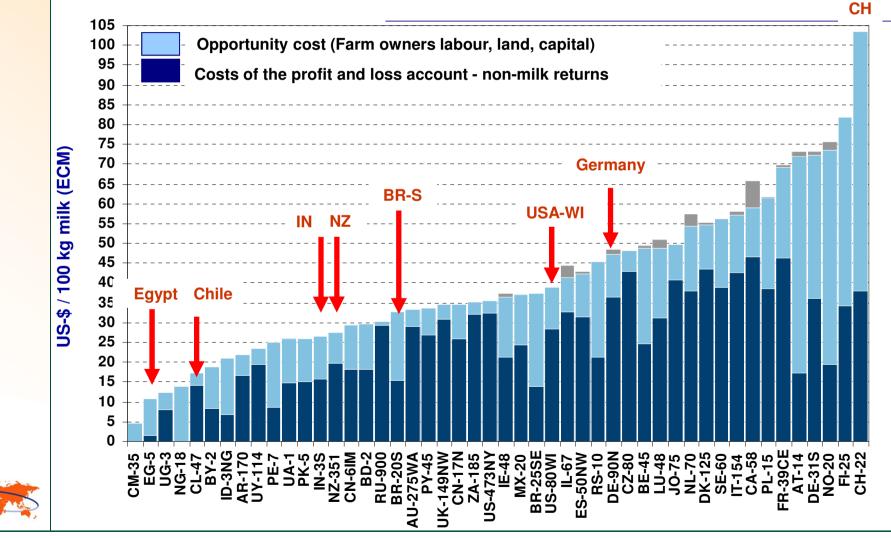
Status of the IFCN Network in 2011





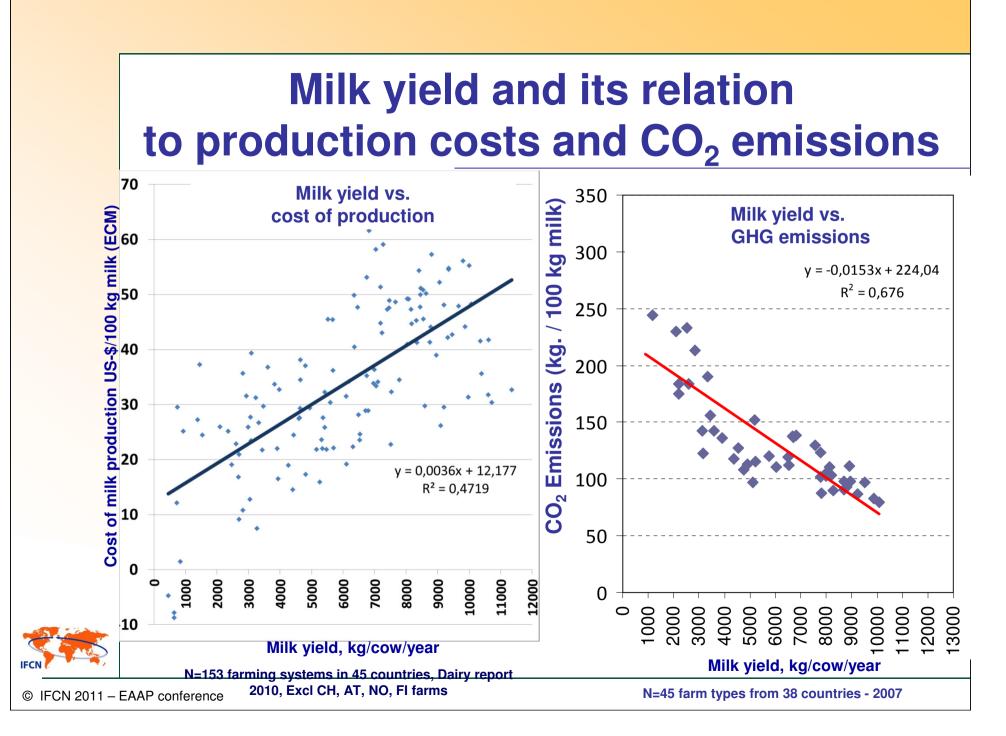


IFCN comparison of "Ø size" farm types Cost of milk production only in 2009



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Method: Farms sorted by costs of milk production (excl. quota costs)

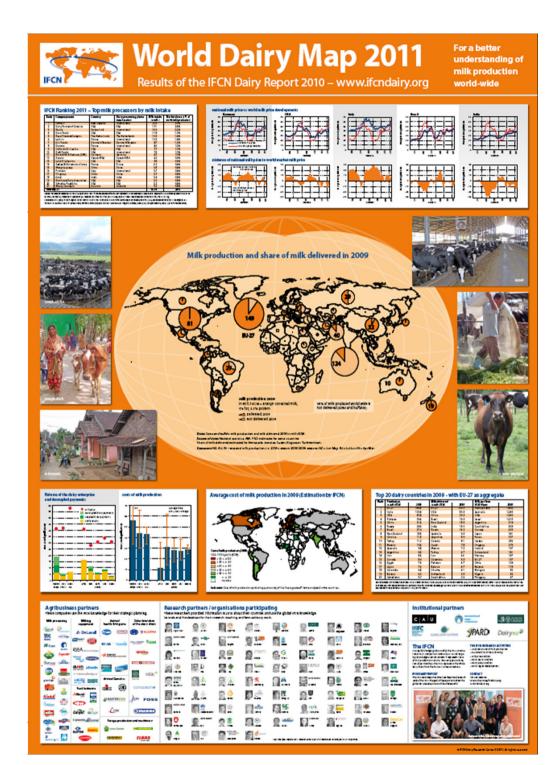


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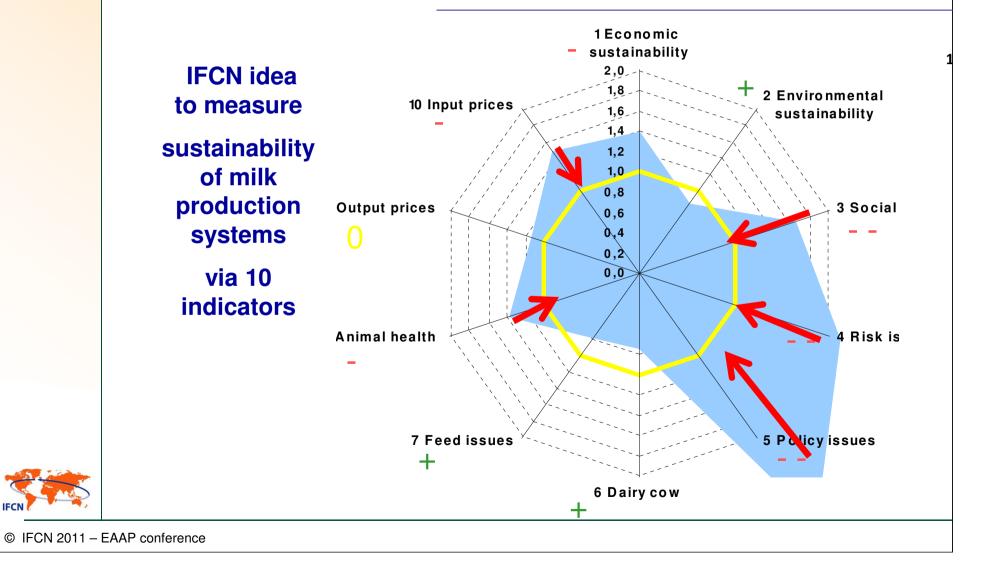
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The future dairy farming systems has to match various criteria to be sustainable



Comparing 3 countries farming systems a very simple approach – global scope

	Switzerland	USA	Bangladesh
Economic indicator costs of production		0	+
Socially indicator employment/kg milk	+	-	++
Environmental ind. carbon footprints/kg milk	+	+	
Sum Ranking	2	2	1

Sum up: The best dairy cow system

- **1. Management view:** The best system is the one you the dairy farmer can manage.
- 2. Regional perspective: Every farming system has significant possibilities to improve.
- 3. System perspective: Dairy farming is a complex system. Improving one item is easy – but what is needed is to find a solution on the future sustainable system.

Question 1: Where is the multidisciplinary research team -working with progressive farmerscoming together to develop the future system? May be this picture can inspire us?



