



# Pesticides residues in food

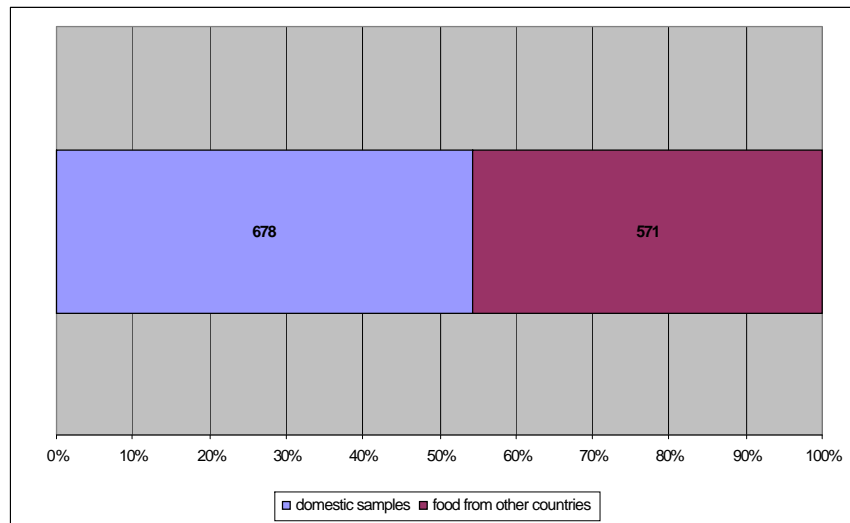
## Report for Slovenia (2004)

Presentation prepared by ECHO



# Background

- The report on pesticide residues in food was prepared by the “Institute of health protection” in 2004
- The samples were taken at different places in Slovenia
- The analysis was done for domestic products as well as products from other countries (46% of all samples)



Origin of food samples



# Methodology

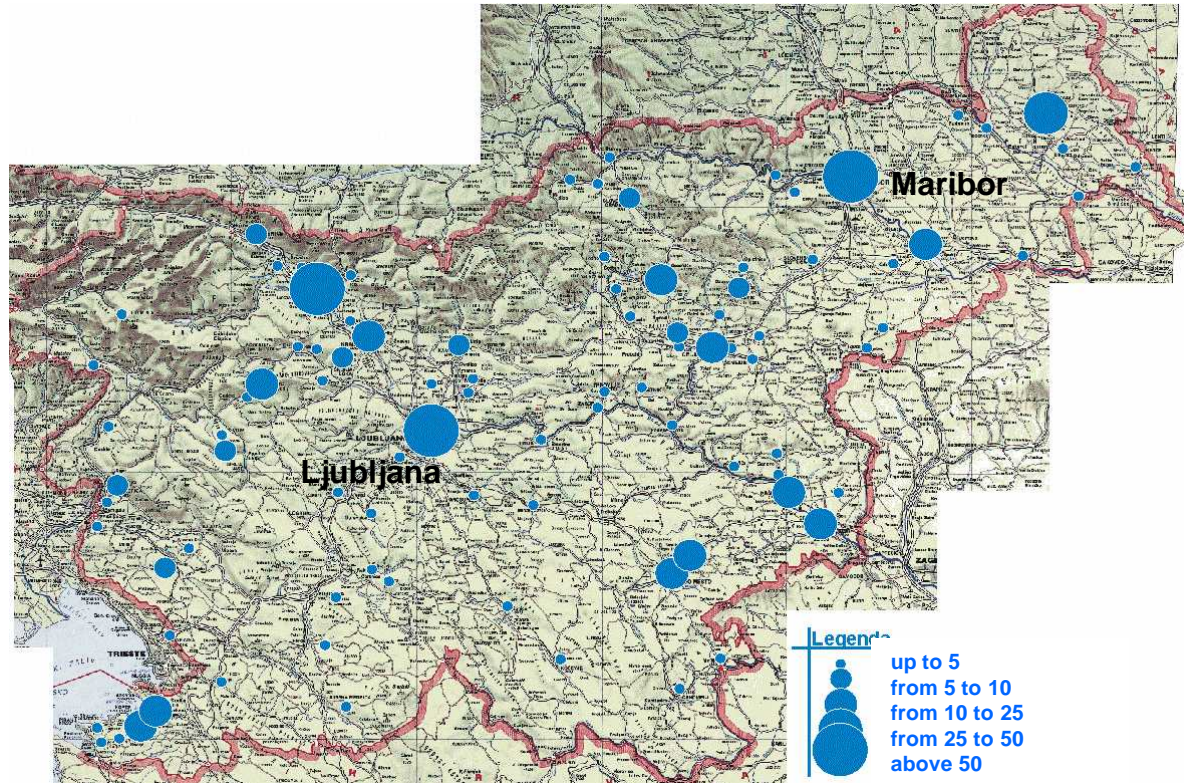
Food	Year	February	March	April	May	June	July	August	September	October
Potato	2004				O				O	
Apples	2004						O		O	
Peaches	2004							O		
Strawberries	2004			O		O				
Salad	2004			O		O	O			
Paprika	2004							O		
Tomato	2004						O			
Spinach, mangold	2004					O				
Cabbage, cauliflower, kail	2004					O				O
Legumes (dry)- bean, peas, lentil	2004	O				O				
Oil, pumpkin oil, olive oil, sunflower oil	2004				O					
Vegetables in jars	2004	O								
Legumes (fresh)- bean, peas	2004					O				
Cereals- wheat, rice, buckwheat, millet	2004					O		O	O	
Milk	2004		O							
Butter	2004		O							
Cheese with more that 25% fat	2004			O	O					
Apple juice	2004						O		O	
Orange juice	2004		O							



# Methodology

Food	Year	February	March	April	May	June	July	August	September	October
Flour	2004	O			O					
Food for babies up to three years (on cereal basis)	2004		O							
Baby food-milk food for newborns	2004								O	
Food for babies up to three years (on fruit, vegetable basis)	2004							O		O
Meat-beef-packed	2004		O						O	
Chicken meat-packed	2004		O	O						
Fish products-in cans, deep frozen products	2004		O	O		O		O	O	
Snacks on cereal, flour and potato basis	2004				O					
Leek	2004				O					
Cherries	2004				O	O				
Dandelion	2004					O				
Dry fruits	2004				O					

# Methodology



*Places in Slovenia where samples were taken (the size of the cycle represents the rough number of samples) in 2004*



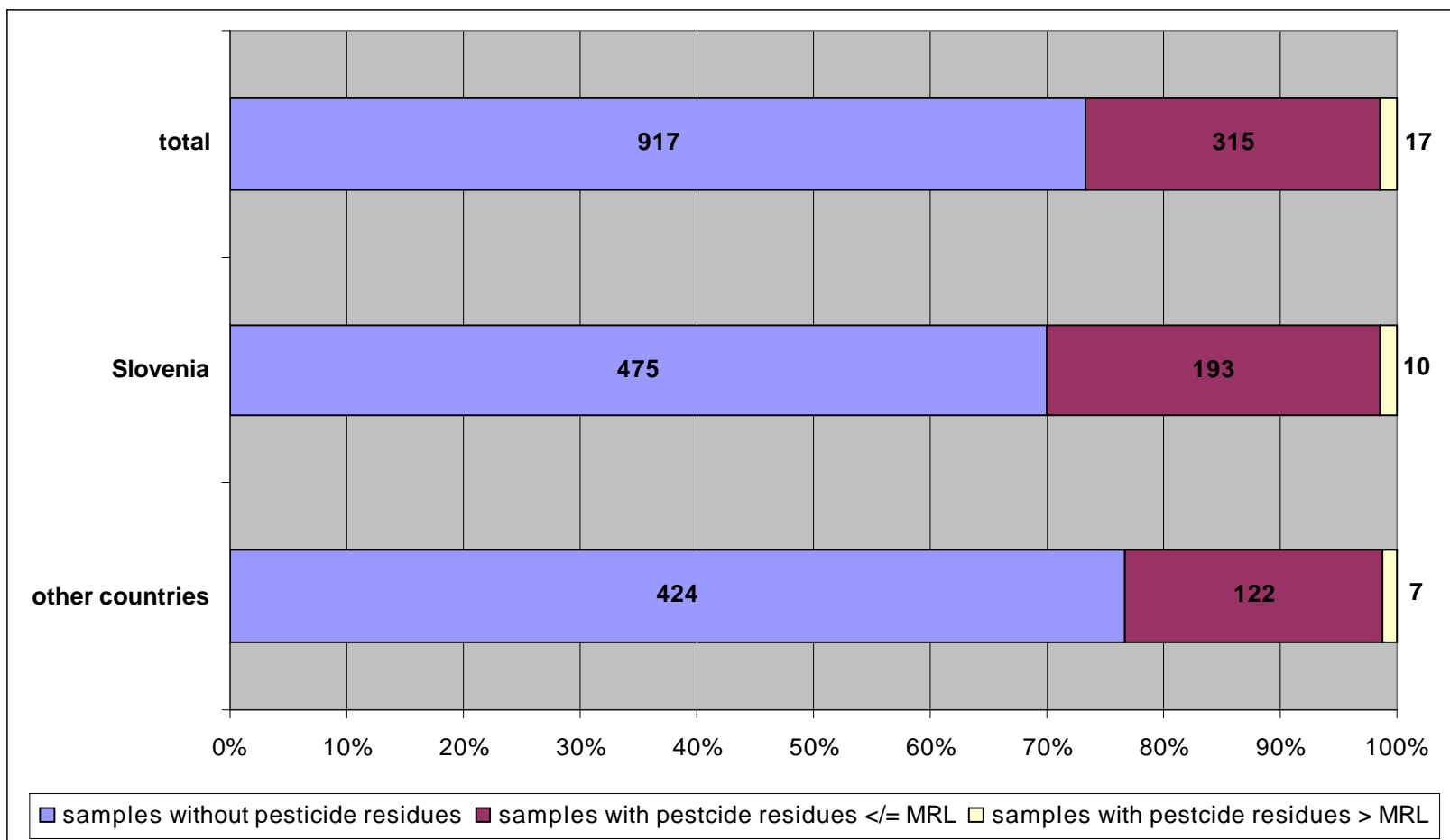
# Methodology

Number of samples tested to number of pesticides:

<b>Food</b>	<b>Number of pesticides tested</b>	<b>Number of combinations pesticide/food</b>
Fruits, vegetables and fruit/vegetable products	102	44.000
Cereals, flour and baked products	71	6.000
Milk and milk products	22	4.000
Meat	Organochlorine pesticides	60
Fish products	Organochlorine pesticides	127
Fats and oils	Organochlorine pesticides	26
Food for special nourishing purposes	93	14.000
Snacks of cereals, flour and potato basis	71	1.400



# Overall results





# Frequency of presence of pesticide

frequency of presence of pesticide in food	pesticide
1	Dithiocharbamates
2	Diazinon
3	Captan
4	Cyprodinil
5	Prosymidon
6	Carbendazim
7	Phosalon
8	Fenhexamid
9	Diphenylamin
10	Pyrimethanyl
11	Azoxystrobin

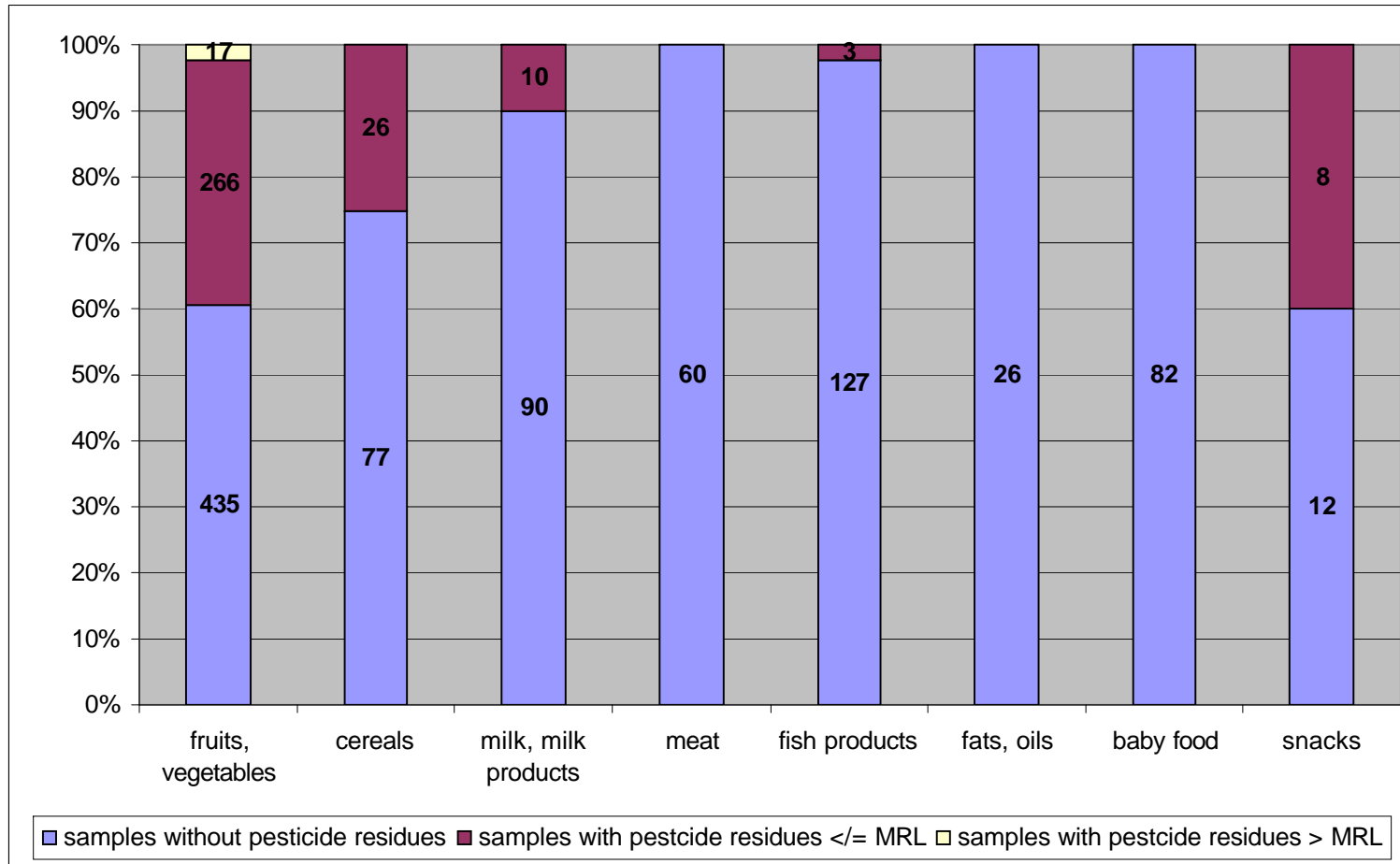
frequency of presence of pesticide in food	pesticide
12	Chlorpropham
13	Tolyfluanid
14	Chlorpyriphos-ethyl
15	Dichlofluanid
16	Bromopropylate
17	Phosmet
18	Penkonazol
19	Chlorothalonil
20	Dicofol
21	Deltamethrin
22	DDT and derivatives





# Detailed results

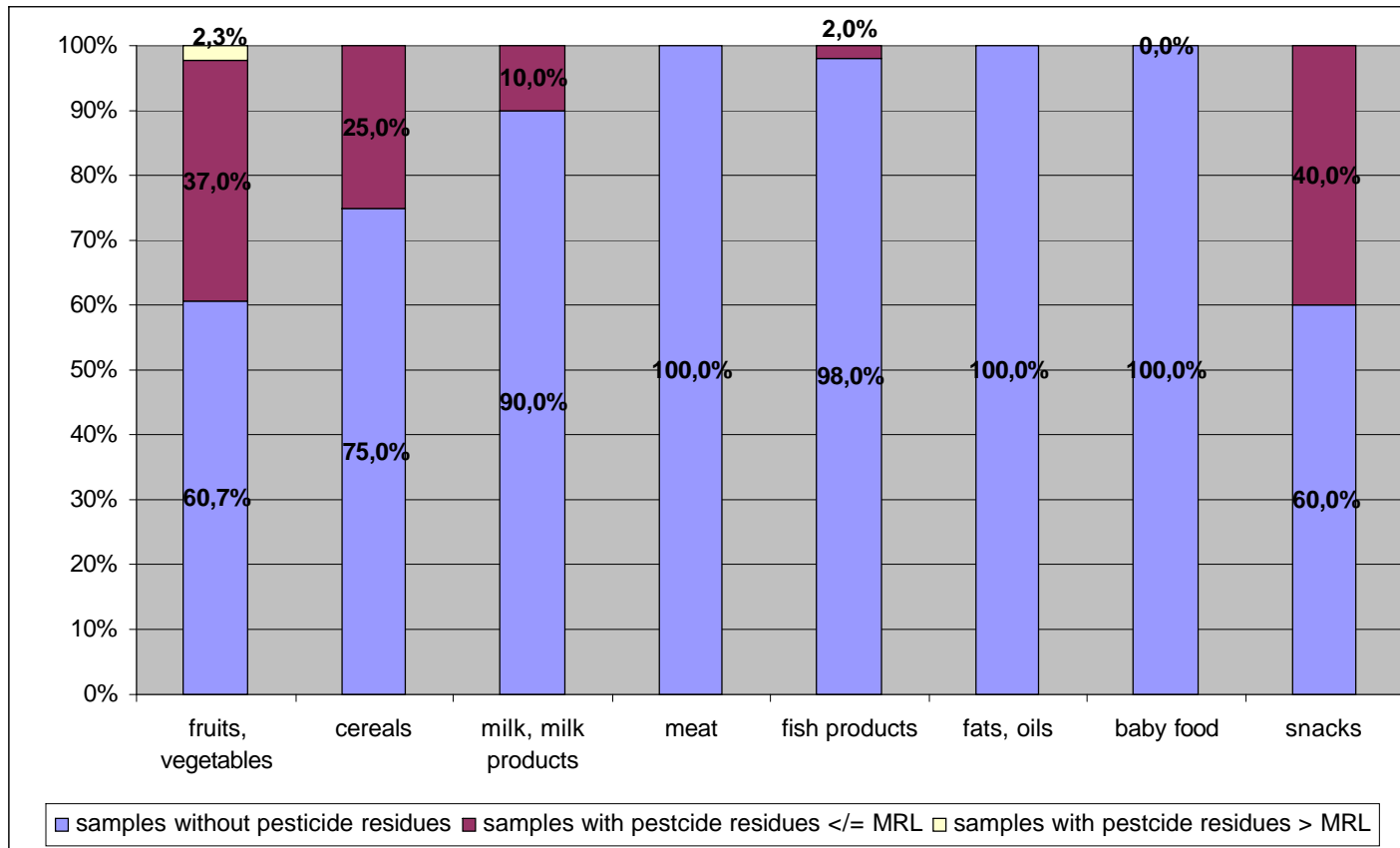
Number of samples:





# Detailed results

Percentage of samples:





## Conclusion from the report

On the basis of the results we can conclude that:

- the level of pesticide food contamination of plant and animal origin which is daily available for consumers in Slovenia is low,
- and in the frame of 2,4% variance to MRL typical for European and other developed countries (up to 5%).