



Bluetongue seroconversion case in Cyprus

Serological monitoring

(Commission Regulation (EC) No 1266/2007)

- **Surveillance programme based on the serological examination of sentinel animals. Sentinel animals (cattle, sheep and goats) are tested on a monthly basis from 17 farms**
- **The selected flocks are spread evenly in the area under the effective control of the Government of the Republic of Cyprus**
- **From each of 17 farms, 10 sentinel animals are tested monthly by c-ELISA for the present of antibodies against bluetongue virus**

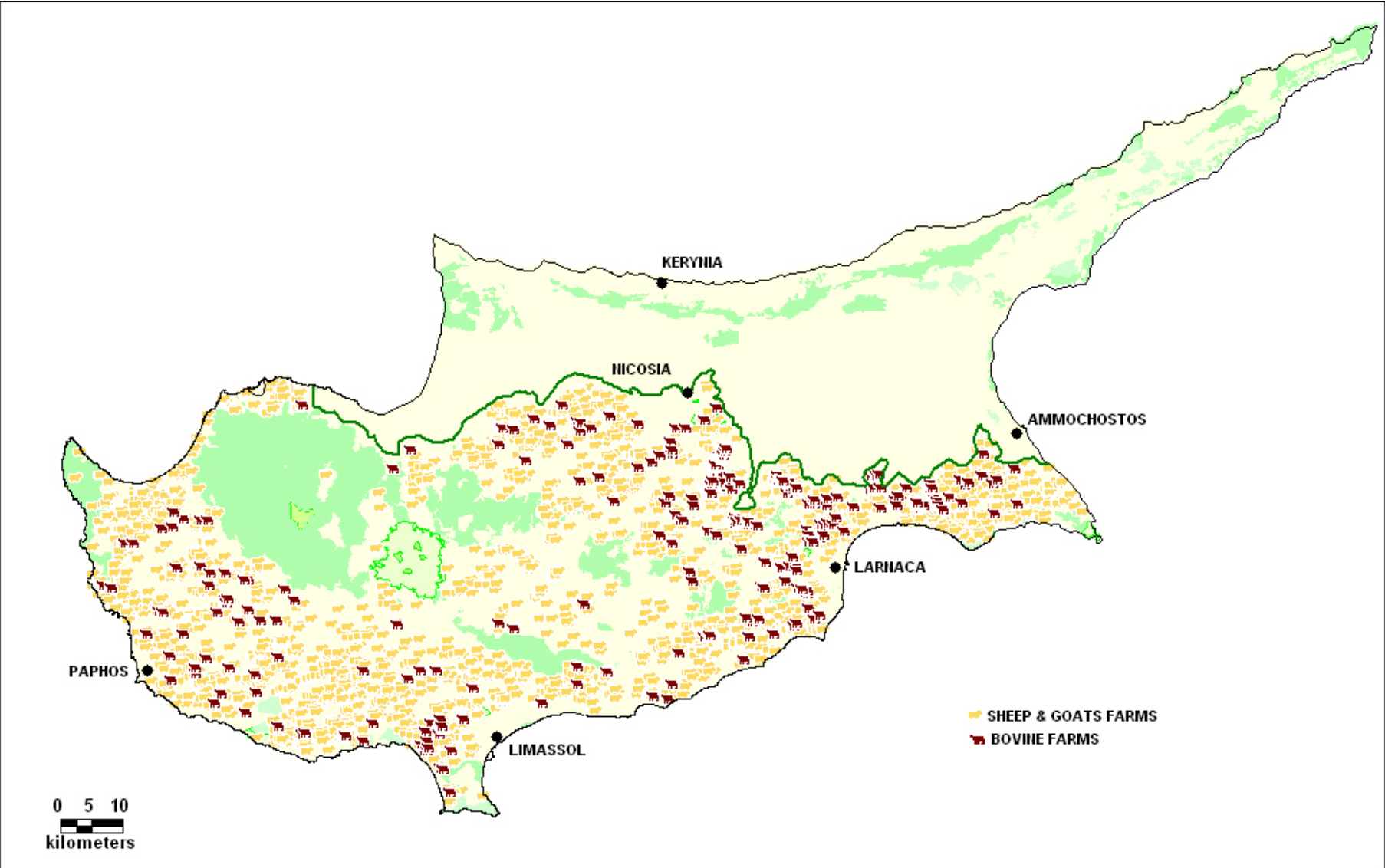


Entomological monitoring

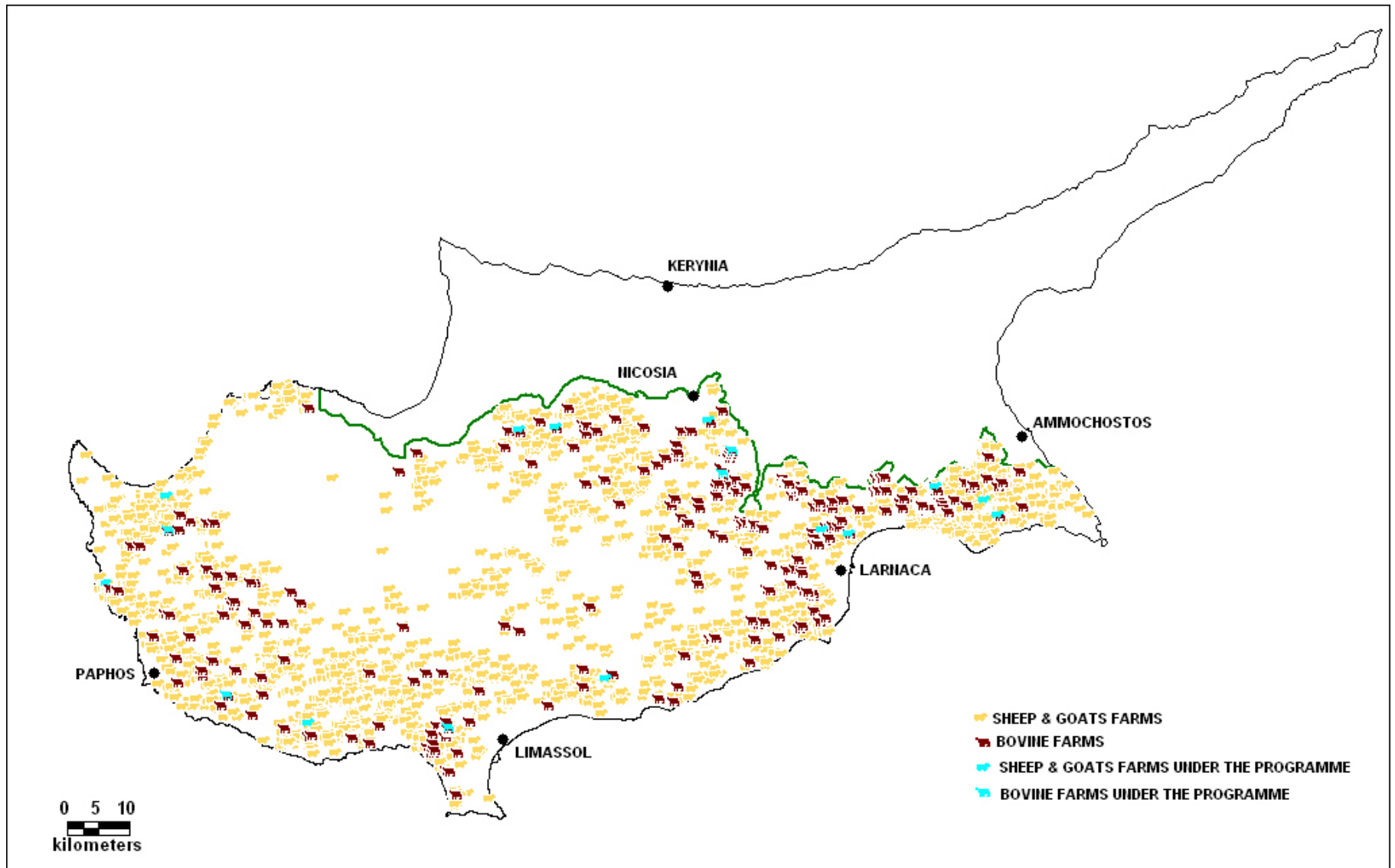
(Commission Regulation (EC) No 1266/2007)

- **Collection of insects, using the Onderstepoort Light Trap, is carried out as part of the surveillance programme**
- **Light traps are installed in the farms, where serological surveillance is carried out**
- **The collection of insects is carried out on a weekly basis**

Location of cattle, sheep and goat farms in Cyprus



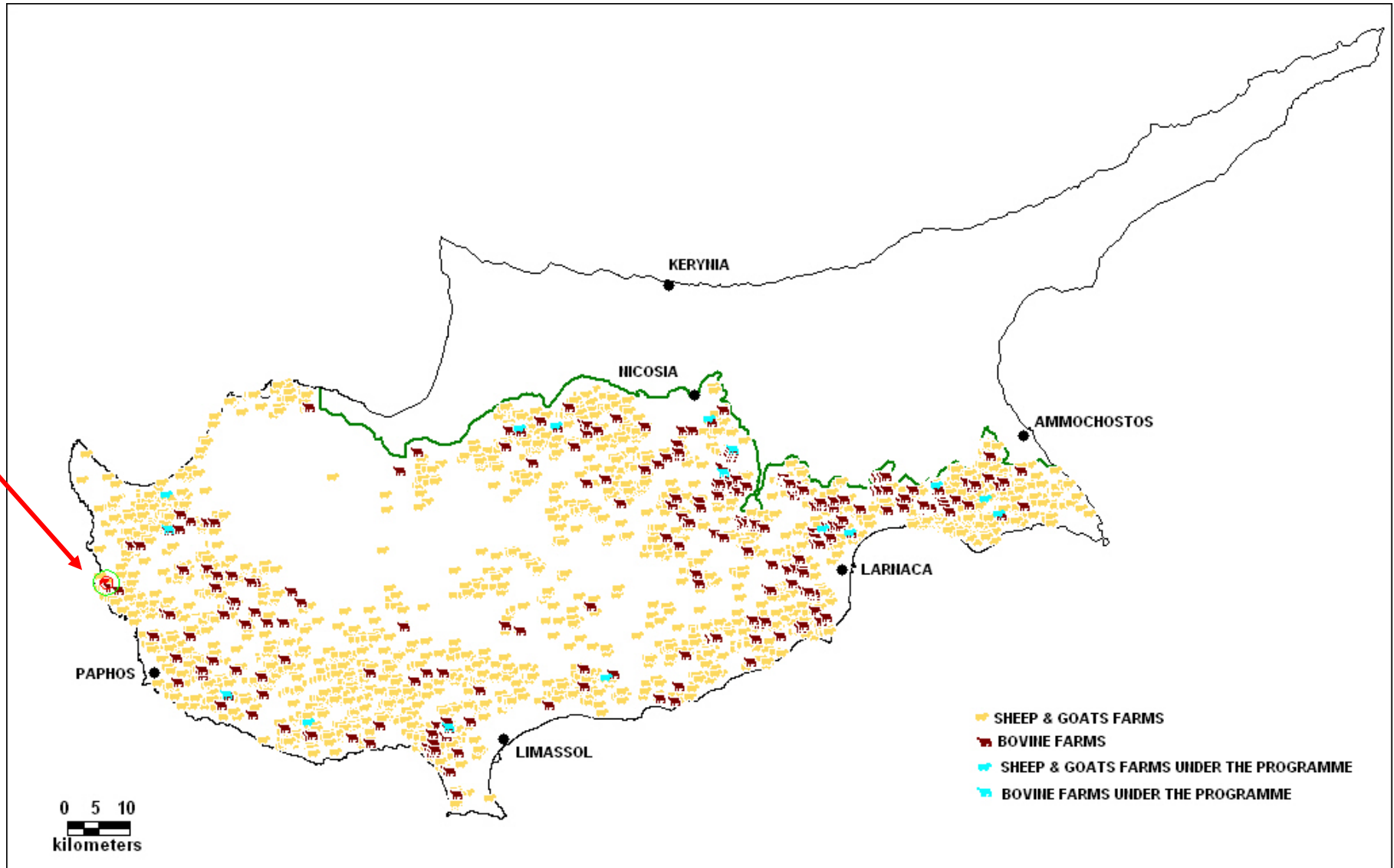
Serological monitoring with sentinel animals



Serological examination of sentinel animals in October

- **7/10 sheep from a flock (294 sheep, 28 goats) located at Pegeia village in the district of PAPHOS on 22nd October reacted positively to bluetongue virus (seroconverted)**
- **6 out the 7 sentinel animals reacted positively by RRT-PCR**
- **None animal showed clinical sign**
- **Samples were sent to the Community Reference Laboratory (Pirbright) for virus confirmation and typing (results pending)**

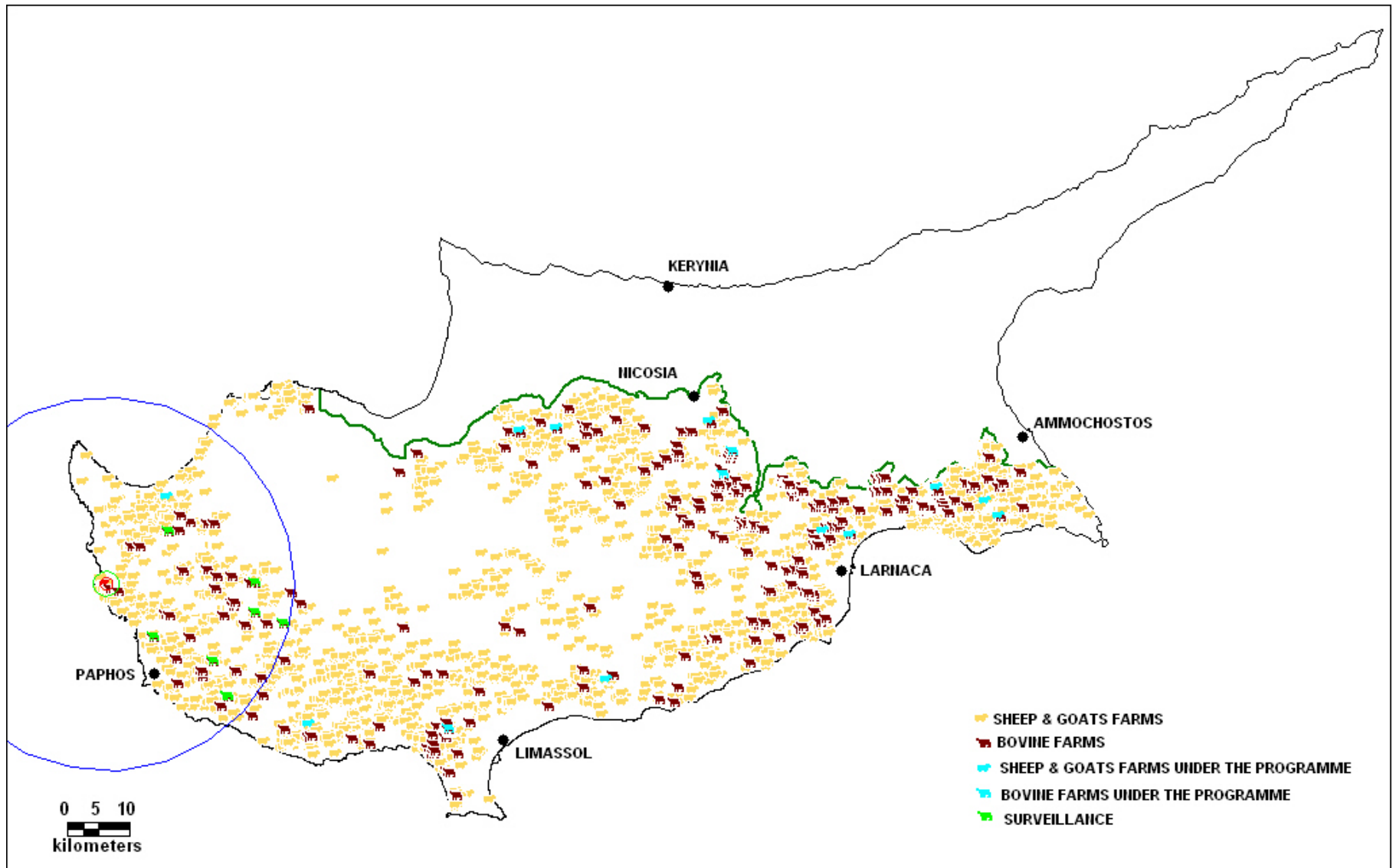
Location of current outbreak



Epidemiology and control measures applied

- **Movements control**
- **Clinical examination**
- **The measures of Directive 2000/75/EC have been put in place**
- **An epidemiological survey has been implemented based on the monitoring of sentinel animals and vector populations in the region**
- **Control of arthropods**

Epidemiological survey in the region



Serological surveillance includes all cattle farms with a population of at least 20 animals, in a radius of 30 Km (results pending)

