Patrizia Colangeli, R. Lelli. Development of an expert information system for the management of animal diseases epidemics
Istituto Zooprofilattico Sperimentale dell’Abruzzo e del Molise “Giuseppe Caporale”, 64100 Teramo, Italy

In the last ten years, the risk of introduction and spread of several major viral epidemics of list A diseases has been constantly increasing worldwide. Italy, due both to its geographical position, in the middle of the Mediterranean basin, and to it being one of the world’s largest importing countries of live animals and commodities of animal origin, is particularly at risk. Another important predisposing factor is the complete susceptibility of Italian animal populations.

All the available evidence shows that speed is vital in handling outbreaks of infectious diseases. This necessitates planning of a high order and an executive empowered by a wide acceptance of the strategies to be adopted.

This project aims to improve the managing skills of Veterinary Services in the event of an exotic disease outbreak, developing an integrated management system, of which one of the main sections is an information system able to guide and coordinate the services’ activities while containing the outbreak.

The system has been initially tested in 4 Italian regions, markedly different as far as geographical features and farming practices are concerned: this has allowed us to develop a system better fitting the remarkably uneven nature of Italian territory and livestock rearing. Presently, the system is in the adaptation stage to the entire national territory; new functions are being introduced, especially where report activities are concerned.

The following objectives have been achieved:
1. Contingency plans for list A diseases
2. Collection of relevant legislation
3. Development of a geographical information system (GIS), linked with the National Animal Identification System
4. Link with the European System for Animal Movements (ANIMO)
5. Implementation of a telematic system to support epidemics management
6. Training of personnel

This system provides the NHS with an information system for the management of disease epidemics; the system can be used as a decision tool by every level of the NHS: central (Ministry of Health), regional (Regional Veterinary Agencies) and local (Veterinary Services operating locally). It will be possible to introduce the new version in the EU.

Martha de Jager. How information beats iron or knowledge management enables Strasser hoofcare
Knowledge Management, Deloitte & Touche, Pretoria, SA.

The nailing of iron shoes to horses’ hooves is an established tradition. The discovery that this practice is not in the interest of horses, in fact, that it can be detrimental to their hooves and health in general, was quite revolutionary and is to this day a controversial topic. At present, however, the idea of barefoot horses is gaining in popularity worldwide, as excellent results have been achieved, particularly with the Strasser method of hoofcare.

Strasser Hoofcare Professionals are trained by specialists at practical sessions, in addition to distance education. Trainees are introduced to a comprehensive list of conventionally published material and have the added advantage of a wealth of information on a number of Web sites and through online discussion groups. Once qualified, Hoofcare Professionals continuously share their knowledge. They attend annual recertification meetings and support each other by participating in discussions on the Internet. Digital technology is used extensively.

Peter Senge, an authority on learning organisations, contends that learning organisations require leaders who are designers, stewards and teachers.

The leader of this barefoot movement is Dr Hiltrud Strasser of Germany. According to her “The dissemination of knowledge is one of the most important tasks of the Hoofcare Professional, because the goal is not just to rehabilitate lame horses, one after the other; it is to further the understanding of the horse’s biological needs in the equestrian community on a global scale. Only through education can we lay the foundation for a lifetime of soundness for horses worldwide.”

Peter Drucker, a management specialist, among others, argues that, in the emerging economy, knowledge is the primary resource for individuals and for the economy overall; land, labour, and capital do not disappear, but they become secondary.

Owners of horses, once they have been fully informed about the condition of a horse and the cure, are also encouraged to participate in the rehabilitation process and have access to many of the sources of information mentioned.

The Strasser method harnesses the technical possibilities available today for the capturing, dissemination, sharing and use of knowledge, under the leadership of experts. In this way, many horses that are in a bad state, especially as far as their hooves are concerned, are being rehabilitated, as can be evidenced by case studies.