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FOSS4G 2006 - Free And Open Source Software

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ANIMAL HEALTH GEOGRAPHIC TRACER

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Agribusiness is a prominent sector in Brazilian economy, with a big potential. However, to maintain such a position, it is necessary to invest in technologies and new productive practices, together with the cares and influence the external market requires and has, mainly, upon animal production. Monitoring and controlling illnesses such as Newcastle, avian influenza and foot-and-mouth disease are some of the steps countries willing to take part in the international market need to take. Known as animal health control, this process aims to reduce the risk of diseases, minimizing the economic impact of an epidemic. In 2004, to answer the Brazilian Agricultural Ministry demands related to mapping of production establishments, SEARA Alimentos S.A., in a partnership with G10 - Laboratório de Computação Aplicada da Universidade do Vale do Itajaí, developed the Animal Health Geographic Tracer. The system was conceived under the perspective of access distribution via Internet, geospatial anchoring of the information and maps visualization through MapServer. After almost two years working, the system proved itself during the recent foot-and-mouth disease crisis, being used by the company to avoid, within its transport routes, quarantine areas defined by the government.

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