PLINY Project
Value to Ireland

The onset of the semantic web will require well-trained personnel in the areas of information retrieval from multi-modal corpora of texts, images, sounds, and time varying data emerging from interactions in the market, from laboratories and many other places yet to be identified. Financial transaction systems and health care systems will be the main beneficiaries here and there will be innovations. The R&D and training initiatives within Ireland are largely on uni-modal systems.

The PLINY project will be a fore-runner for a well grounded framework for building, deploying and testing such cross-modal systems where end-users work alongside innovators in ICT, neurosciences, critical care, and fuzzy logic and fuzzy set theory. We already have collaborations with universities in the EU and the USA. This project is a result of a large scale feasibility study (June 2006-Dec 2008) that has involved Trinity College's School of Business, School of Medicine/St James Hospital, and the School of Computer Science. We have a PhD programme in these areas and a number of peer-reviewed research papers have been published. The prototype systems for image annotation system are being used to annotate images for Irish Customs and the National Gallery of Ireland. The sentiment analysis system has been developed in conjunction with the Irish Stock Exchange and there are organisations that are negotiating licensing arrangements for the technology developed thus far.