

Development of an Active Participation Strategy for IAEA Programs and Its Effective Implementation in the Field of Radioactive Waste Management

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The International Atomic Energy Agency (IAEA), upon its foundation, established and implemented a Coordinated Research Program (CRP) with the objective of addressing many of the problems being faced by its Member States (MS) by integrating various different levels of each country's technical capabilities to identify the areas which need further technology development. To develop an effective strategy for a sincere and active participation in this CRP, and for its implementation, the main features of the current IAEA programs and an overview of its programs for 2008-2009 are evaluated and presented in this paper. As a result of these efforts, it is foreseen that the proposed recommendations such as an analysis of the benefits from a MS's participation in the aforementioned CRP, and the methods on how to expand their participation in this new CRP of the Agency, will provide a substantial basis for establishing a nuclear policy in a MS in the future. In connection with this, an analysis of the issues which are regarded as barriers to an effective and efficient implementation of this new CRP, by analyzing its current status within the MSs of the Agency, will be implemented. From the results of this analysis, it is anticipated that a better understanding of the areas, in which the Agency will presumably focus on, while trying to identify the projects in which Korea is likely to play an essential role during their implementation, can be elucidated, thus hopefully leading to an increase in the acceptance rate of the CRP application proposals from Korea. It is expected that within the Agency's programs for 2008-2009, the Management of Radioactive waste will gain significant attention, particularly its regulatory and operative areas for a radioactive waste repository. It is also anticipated that the Agency will pay considerable attention to the protection of the environment through an effective, efficient and safe management of the ever increasing amount of radioactive waste being generated worldwide.