

# Temporal evolution of the Spanish Labs intercomparisons in the radionuclides determination in environmental samples

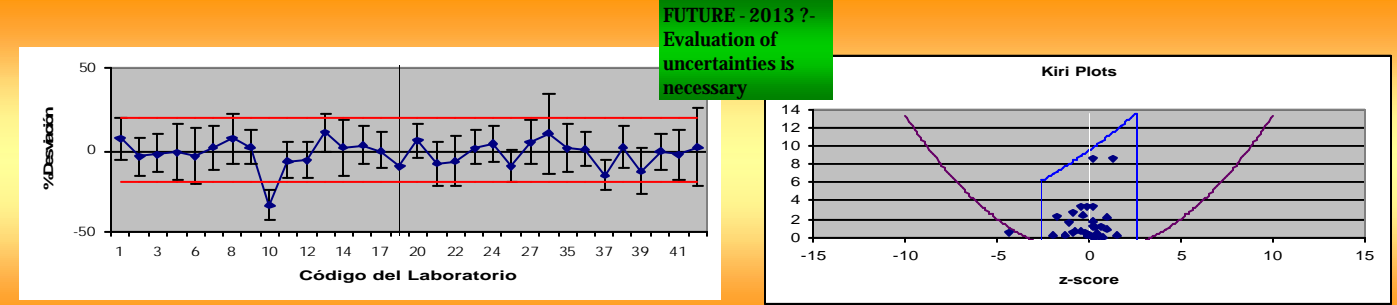
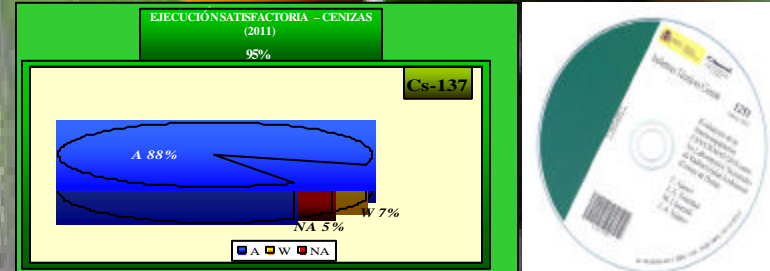
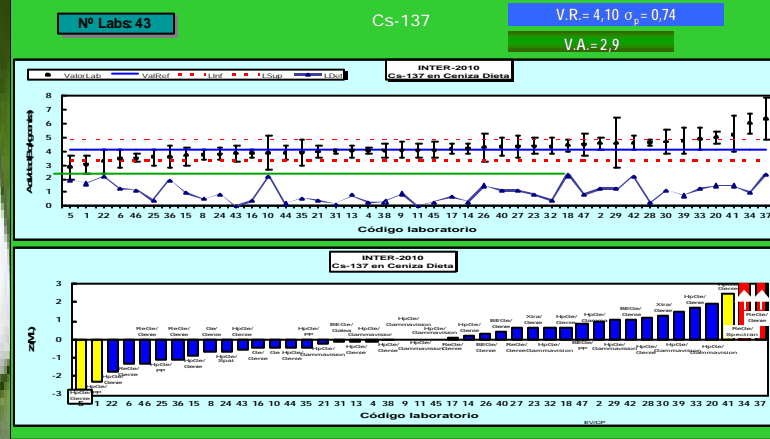
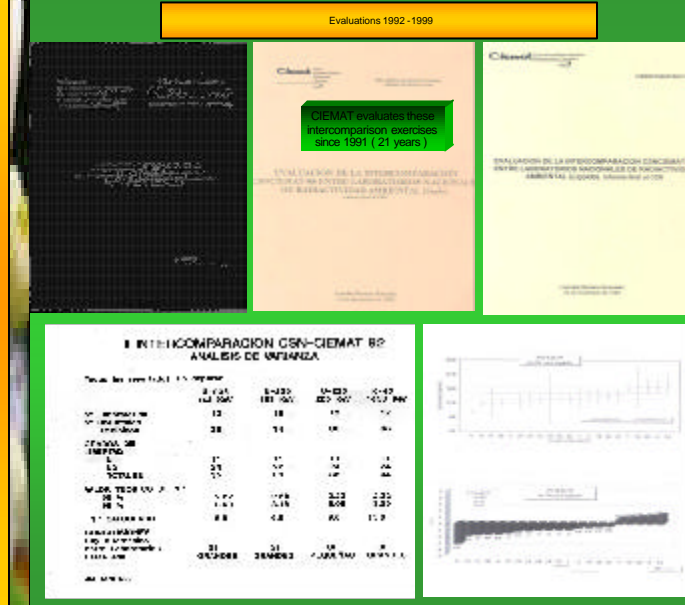
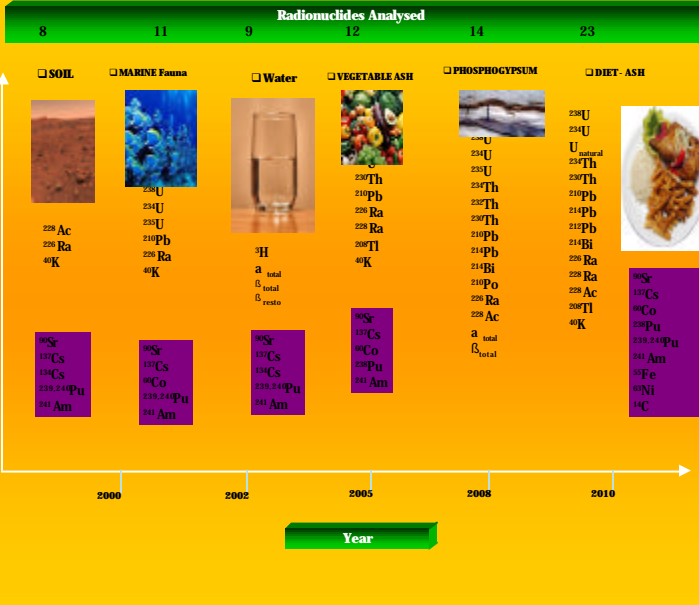
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## INTRODUCTION

The Spanish Regulatory body (Nuclear Safety Council, CSN) funds and organizes periodically, in collaboration with CIEMAT (UB since 2002), intercomparison exercises among the Spanish labs that report data to it, for controlling their performance when analysing radionuclides in different type of environmental matrices. This poster shows a historical review of the analysed radionuclides, matrixes and lab participants as well the future of this type of exercises.



The ISO - standards development for assessing intercomparison exercises has contributed to improve the evaluation methods that CIEMAT has applied since 1992. Comparing results from the firsts exercises and the last ones, better zscores have been obtained for Spanish laboratories, maintaining the quality of reported results. The number of radionuclides analysed by each lab and the method for reporting data and their uncertainties have been improved during the last decade. Most of laboratories also participate in IAEA - proficiency test and intercomparison exercises. The quality of the data reported by the labs that analyse radionuclides for Environmental Radiological Surveillance Programmes and national and international radiological control nets is recognised by other international labs.