

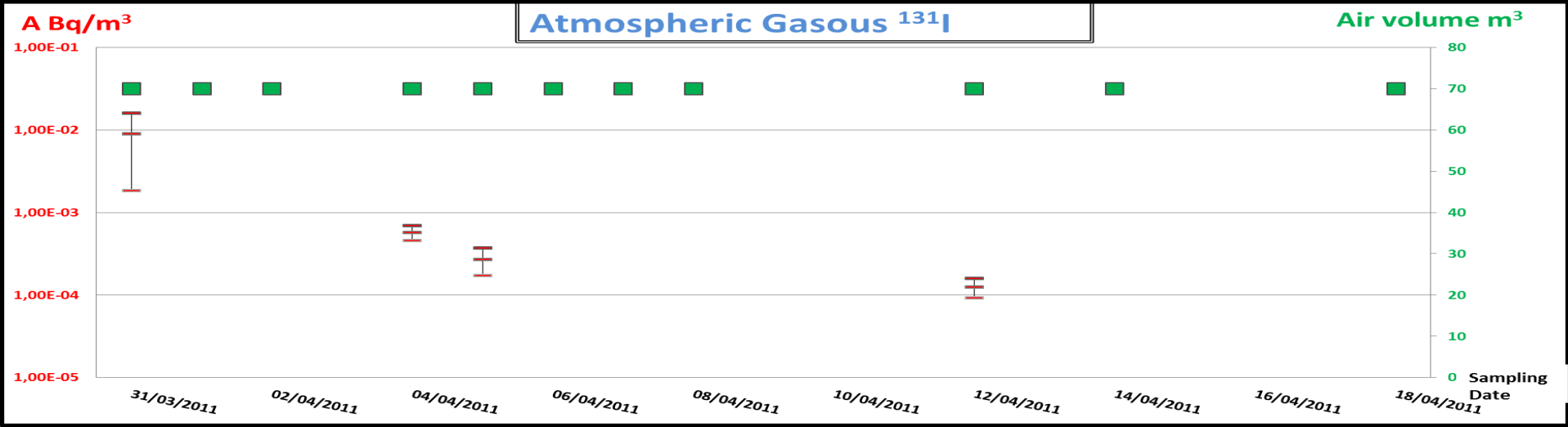
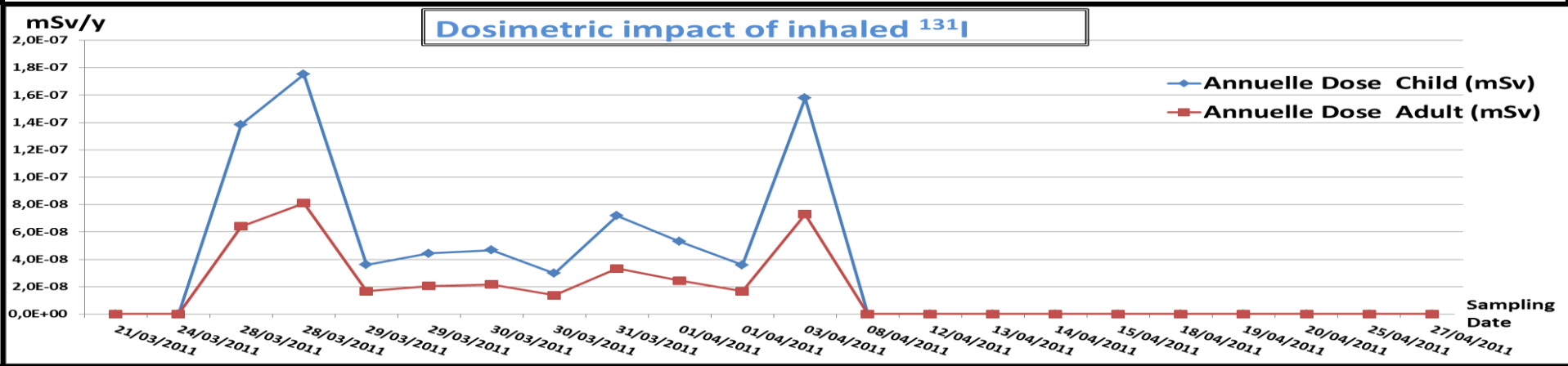
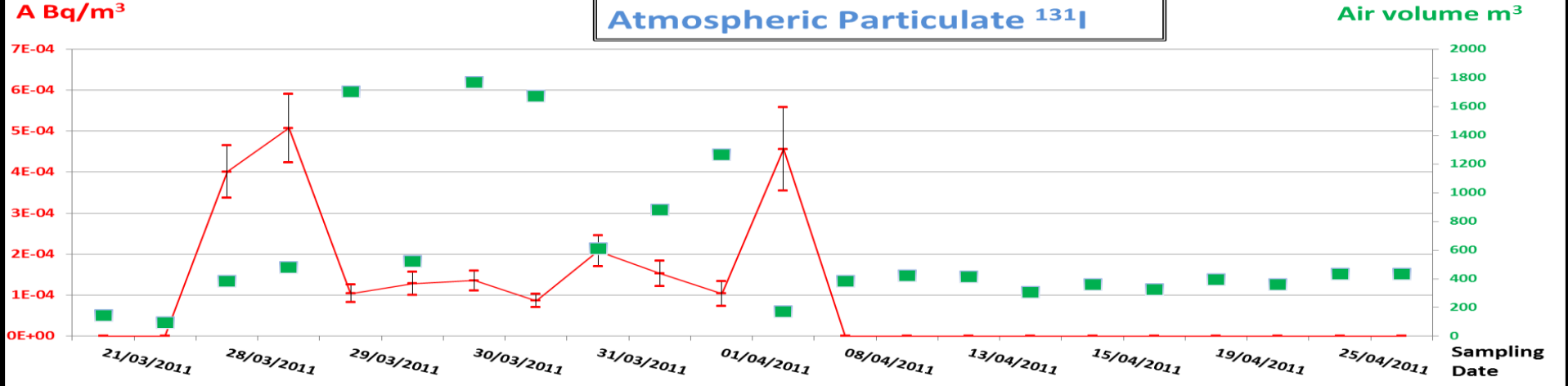
The Moroccan environmental signature of the Fukushima accident

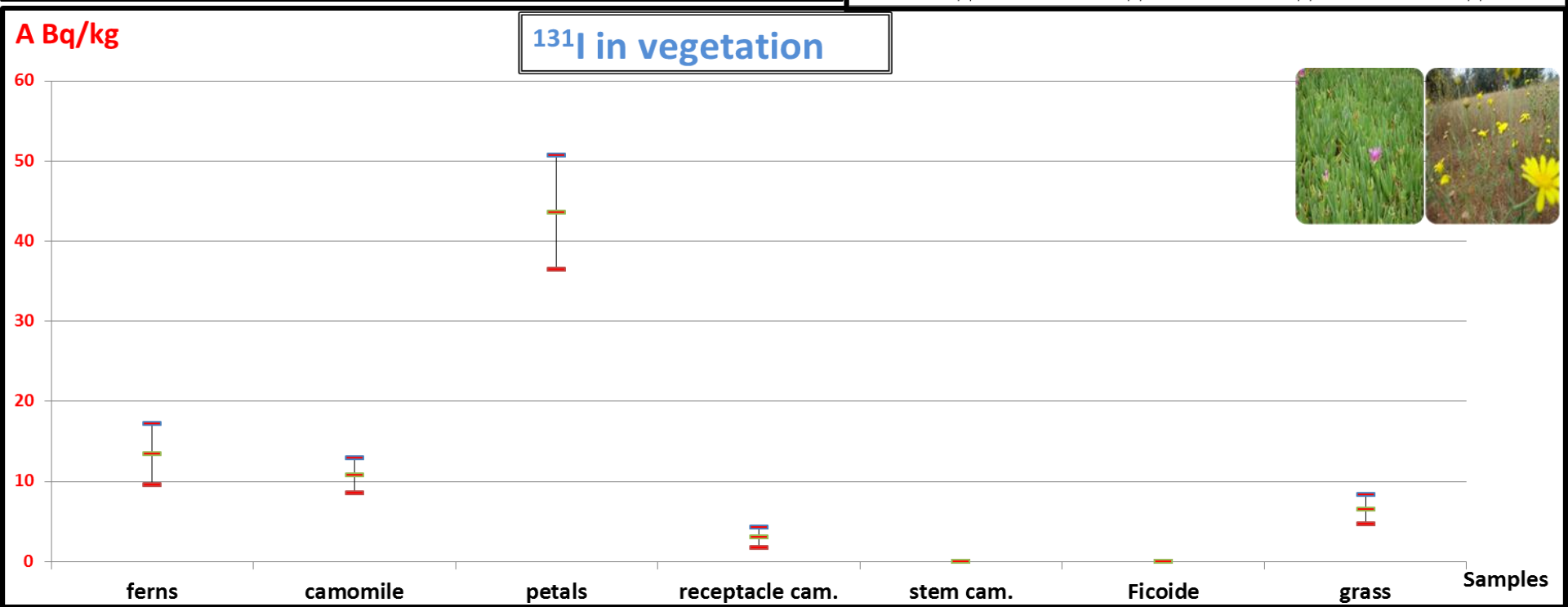
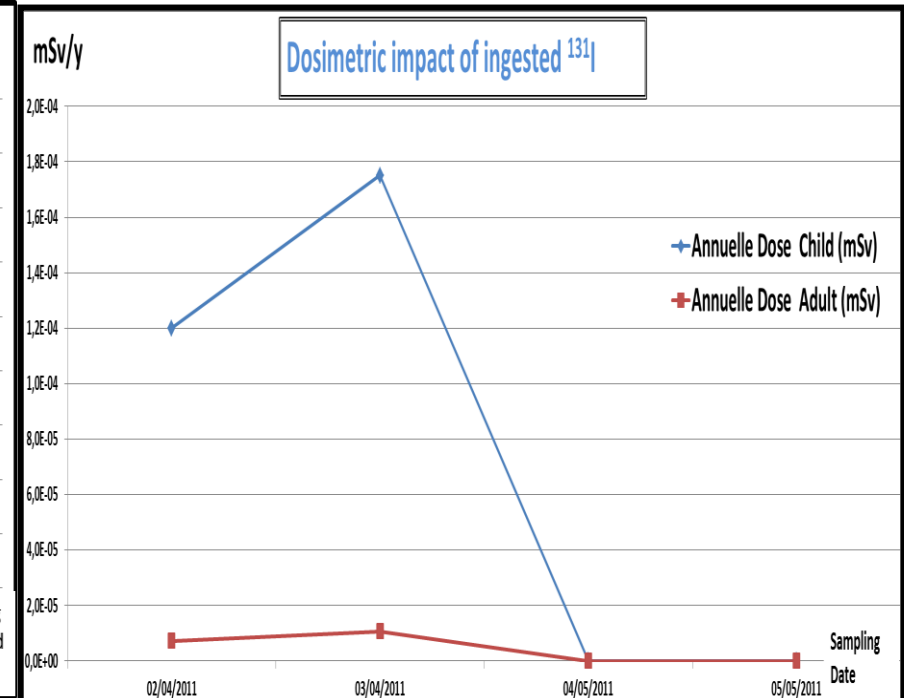
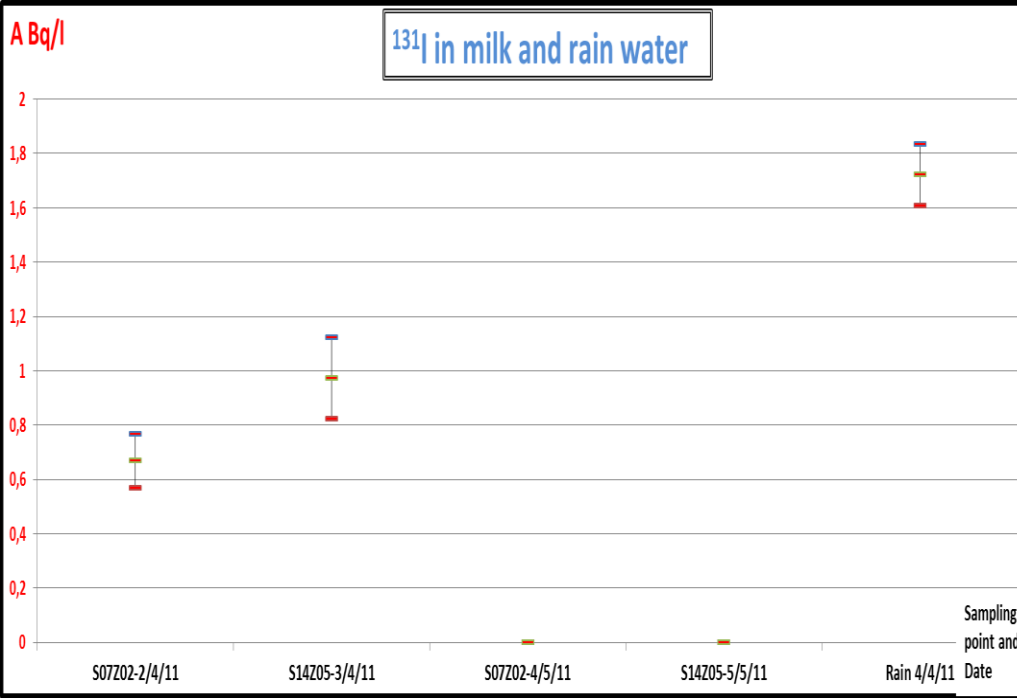
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Introduction

- ***USE is the Environmental Monitoring Unit in charge of executing radiological environmental monitoring program around CENM's site accommodating TRIGA II Research Reactor.***
- ***The objective of USE is to protect human health from the adverse effects resulting from any radioactive contamination. It delivers periodic reports intended to the regulatory authorities.***
- ***In parallel, as technical tool for the Moroccan government, USE is called to intervene at national scale in case of emergency. It was the case in 1998 after Spanish Algeciras ¹³⁷Cs emission accident, in 2001 with suspected radioactive release from the British Tireless Submarine and recently the environmental survey campaign executed after the Fukushima accident.***
- ***USE started radioactivity measurement program on 21/3/2011 using High Purity Germanium gamma spectrometry to analyze aerosols, vegetation, surface and rain water, milk and soil samples.***





Conclusion

- ***During this campaign, only traces of ^{131}I were detected,***
- ***The activities detected in Morocco were in the range of those detected in neighbouring countries,***
- ***The dosimetric calculations showed that the ^{131}I activities detected did not constitute a health hazards for the population.***

THANK YOU