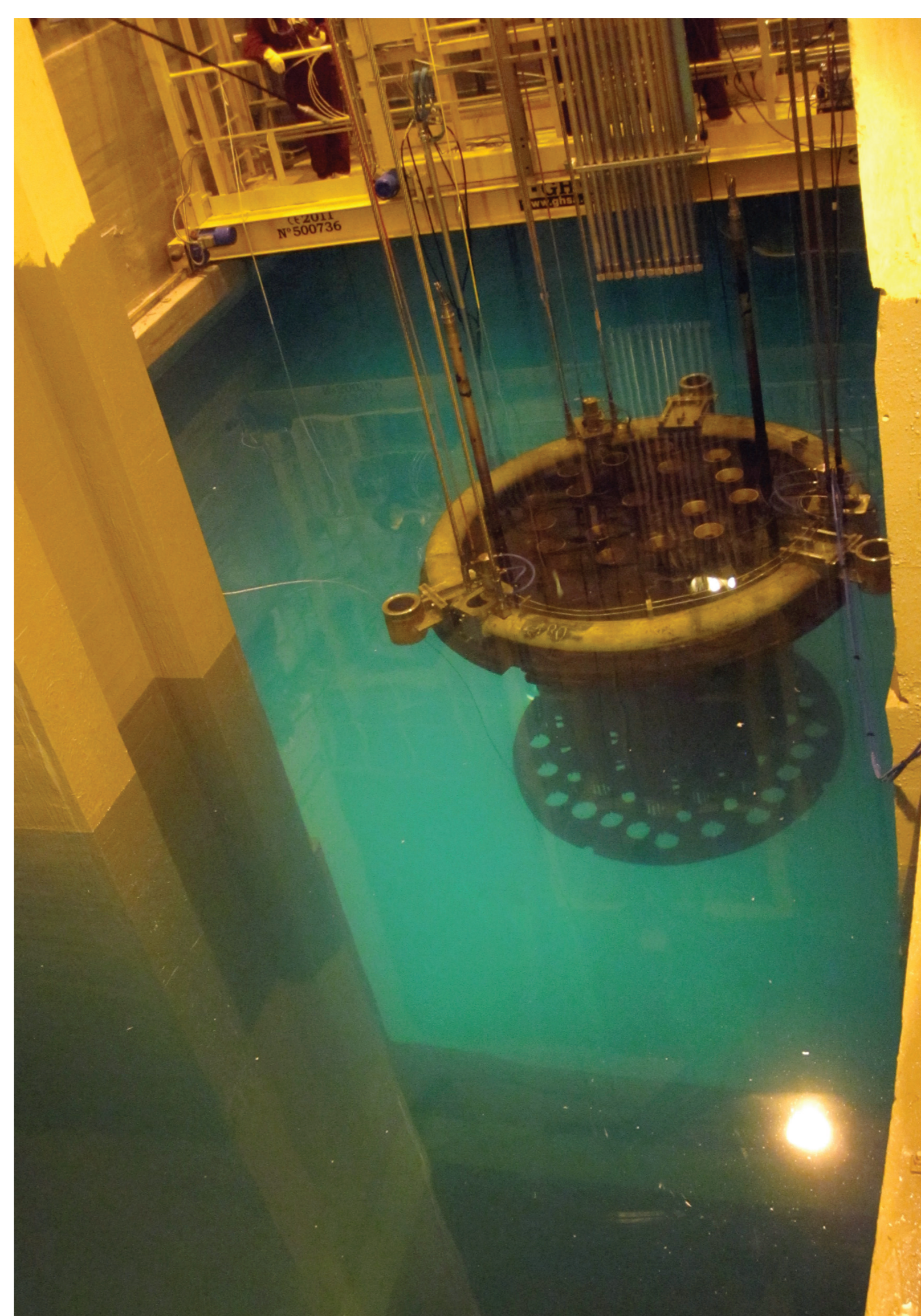


¹⁴C RELEASE FROM STEELS UNDER AEROBIC CONDITIONS

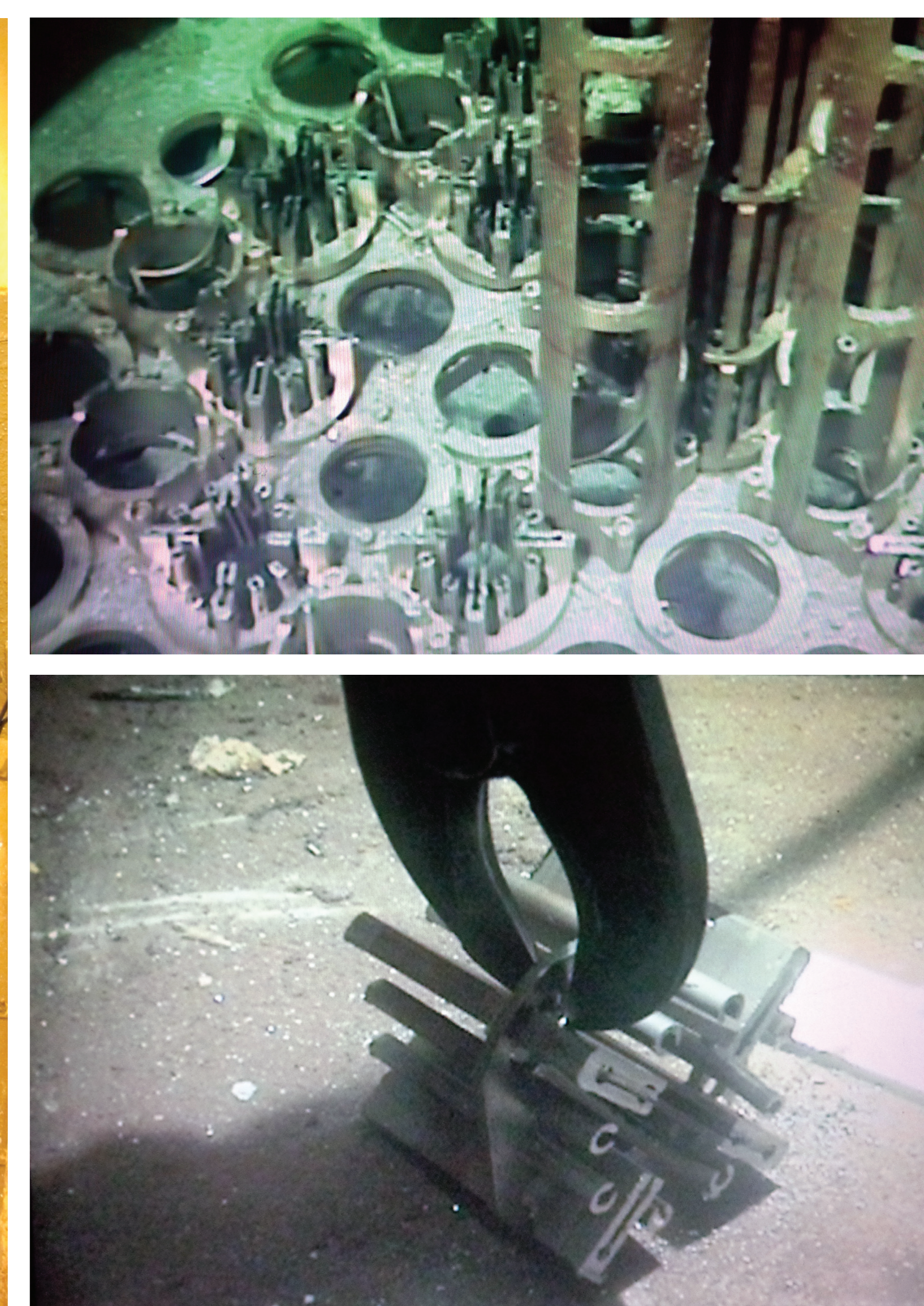
Jose Luis Leganés, José Vicente Muñoz, Carmen María García



JOSÉ CABRERA NPP



UPPER INTERNALS



SEGMENTATION AND ADDITIONAL DETAILED CUTTING

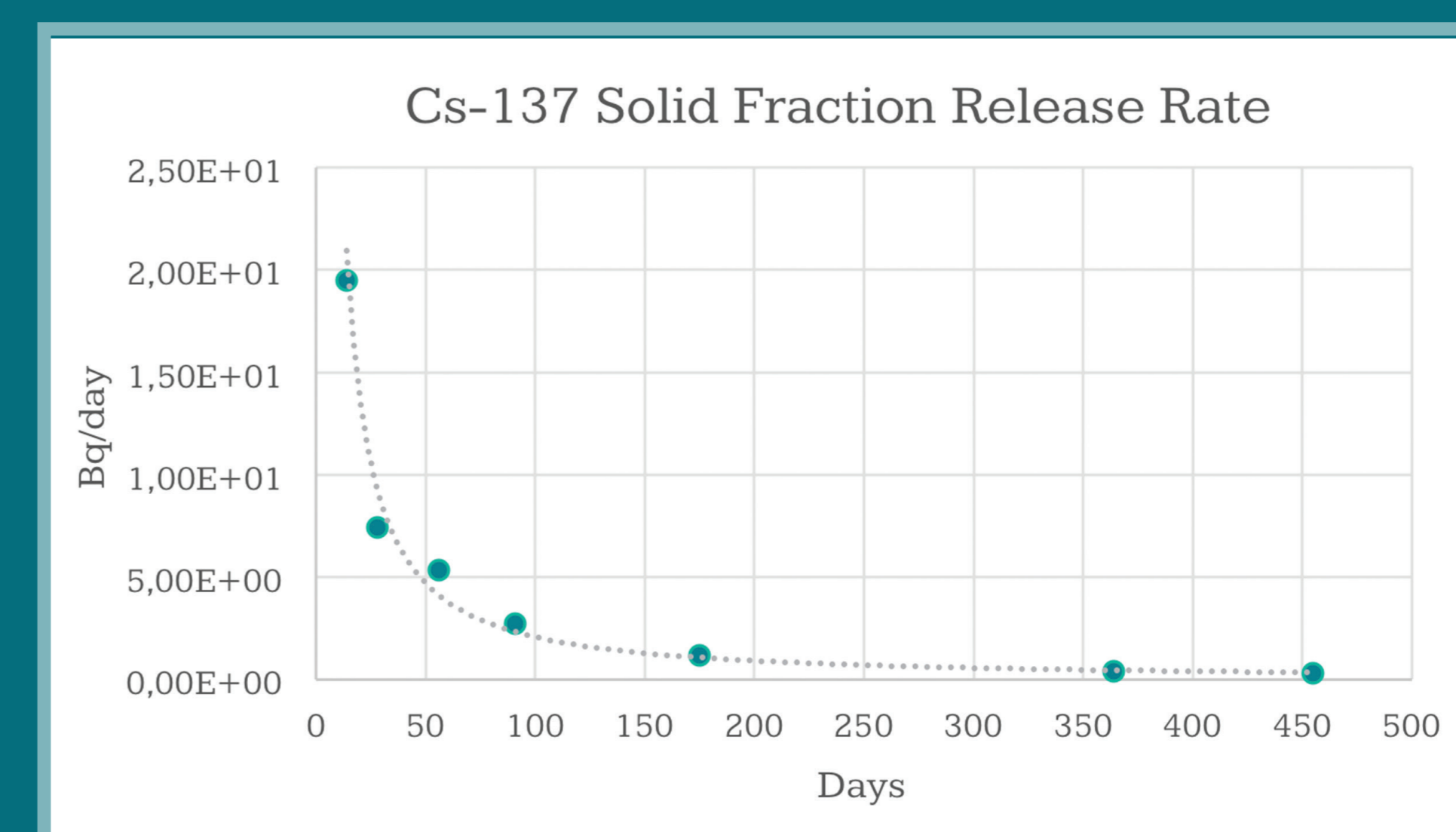
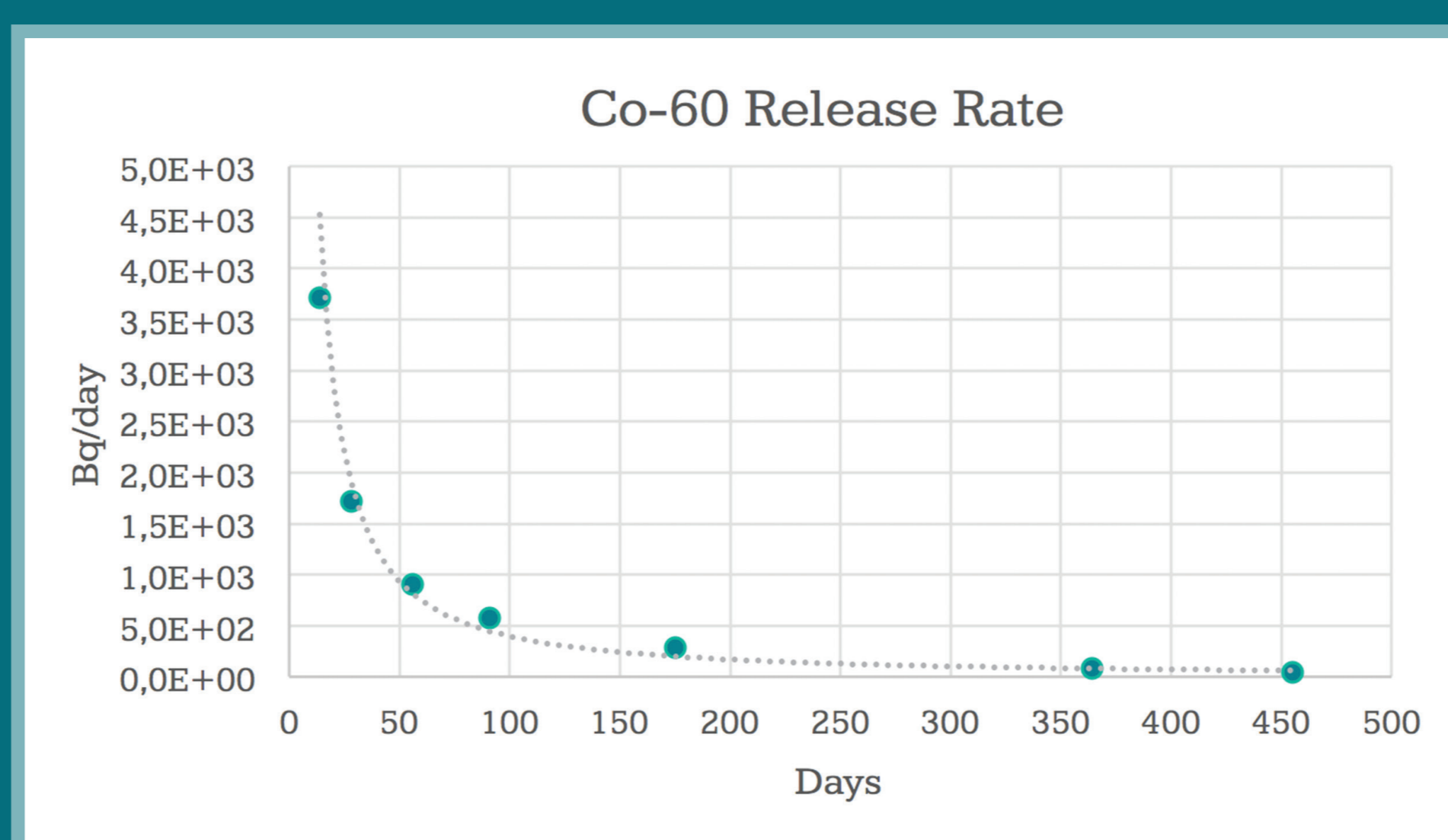
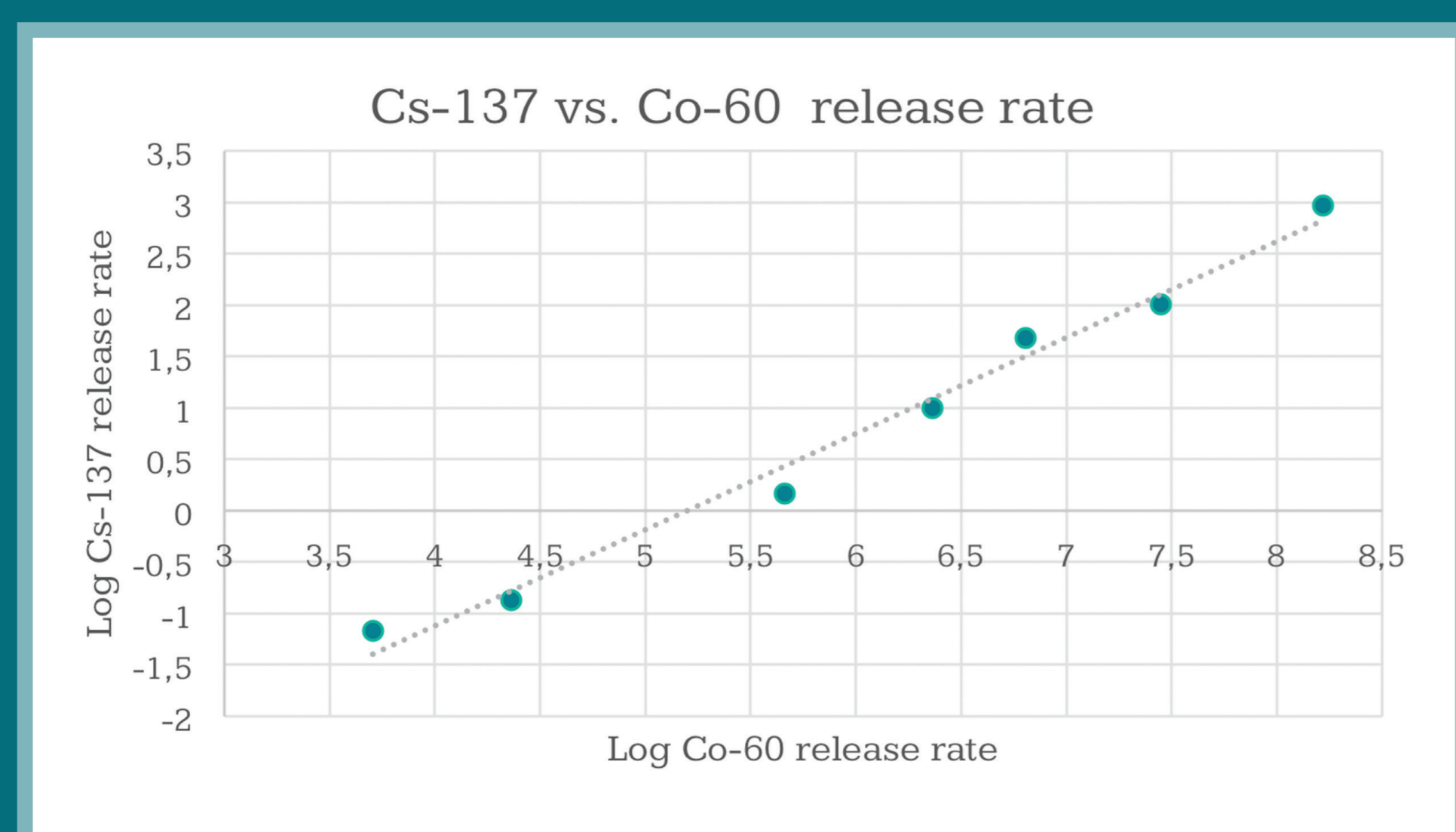
7- STEP LEACHING TEST PERFORMED AT EL CABRIL

- ▲ Activity Release rate measured at each step.
- ▲ Good correlations observed.
- ▲ Activity release rate measured and corrosion rate inferred.

	RELEASED MASS (g)	CORROSION RATE (cm/yr)
Liquid Fraction	5,96E+00	4,32E-04
Solid Fraction	8,52E-02	6,18E-06
TOTAL	6,05E+00	4,39E-04



ACTIVATED STEEL SAMPLE



AMS: TWO METHODS

1 Precipitation with $\text{Ca}(\text{NO}_3)_2$.
Hydrolysis of the precipitate with phosphoric acid.

2 Direct hydrolysis of the leachate.

- ▲ Bubbling up the flask with He to remove the CO_2 of the air.

- ▲ Transport of the produced CO_2 to the graphitization system.

¹⁴C RELEASE RATE MEASURED BY MEANS OF

- ▲ Accelerator Mass Spectrometry AMS, not finished yet.
- ▲ Liquid Scintillation Method, MDA values.

