SESSION 1: IMPROVING QUALITY of LIFE

PANEL 1.2: Nuclear technologies in industry, material sciences and beyond



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They help us understand processes – we call them tracers

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Radioactive tracers decay

100 %



Singing detectives



1. Chemical process systems



2a. Water expels oil



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3a. Waves errode coastlines

3b.Coastal management: Waveinduced Sediment transport

Radiotracer injection

3c. Coastal management: Tracing of sediment transport

Radiotracer injection





4. Monitoring air pollution



Final message : Tracer technology is an indispensible tool in many branches including chemical process technology, mining, civil engineering, environmental examinations and in basic sciences!