

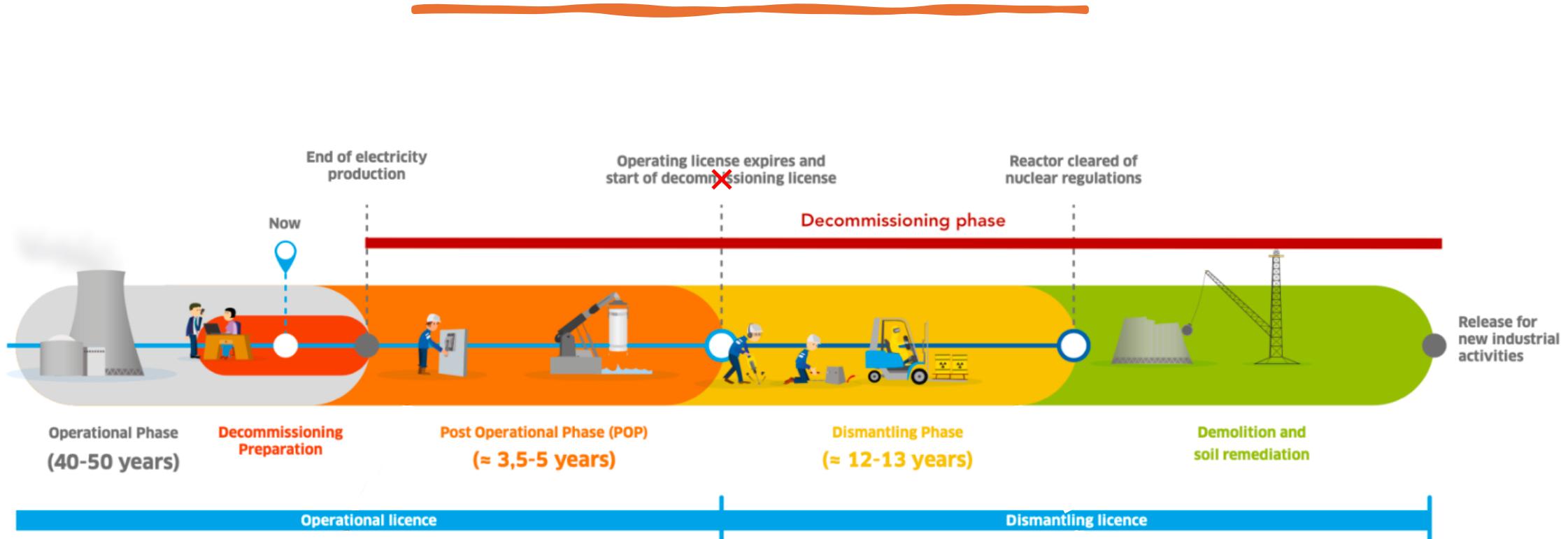


EASST/4S Amsterdam – 17 July 2024

A Matter of Times

Temporal tensions in nuclear decommissioning

Simple timeline of the decommissioning phase



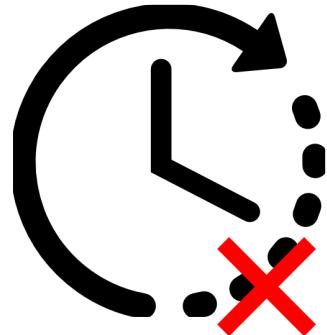
The Belgian Reactor 3



BR3 = Prototype PWR ($\approx 10\text{MWe}$)
Launch: 1962
Shutdown: 1987

sck cen
Exploring a better tomorrow

How do temporal dynamics order nuclear decommissioning?



Temporal inconsistencies (Felt, 2016)

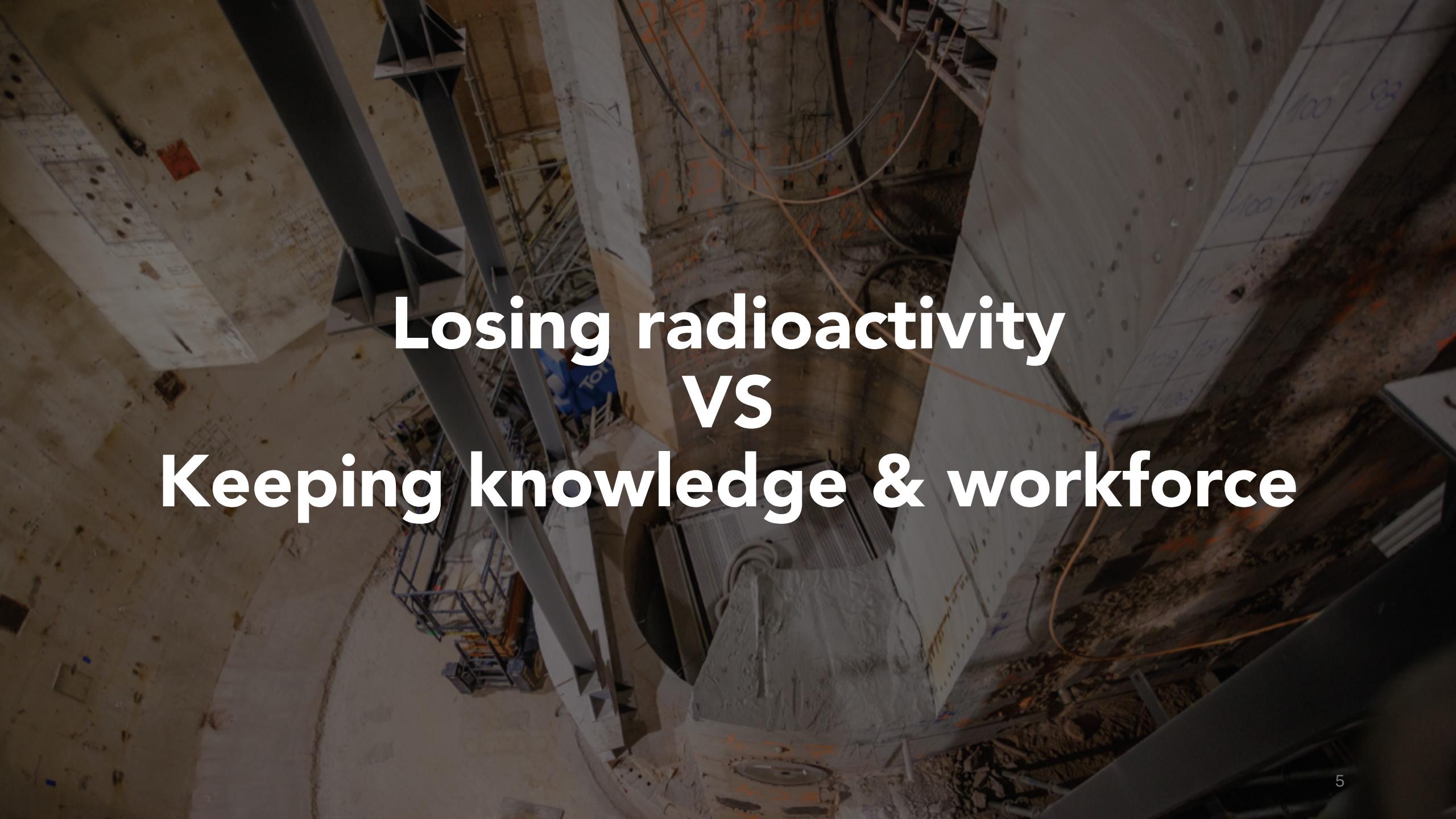
Overlap between multiple coexisting forms of time = tensions



Timeprints (Adam & Groves, 2011)

Past & current actions extend through time

Lock-ins: future-making involves future-taking



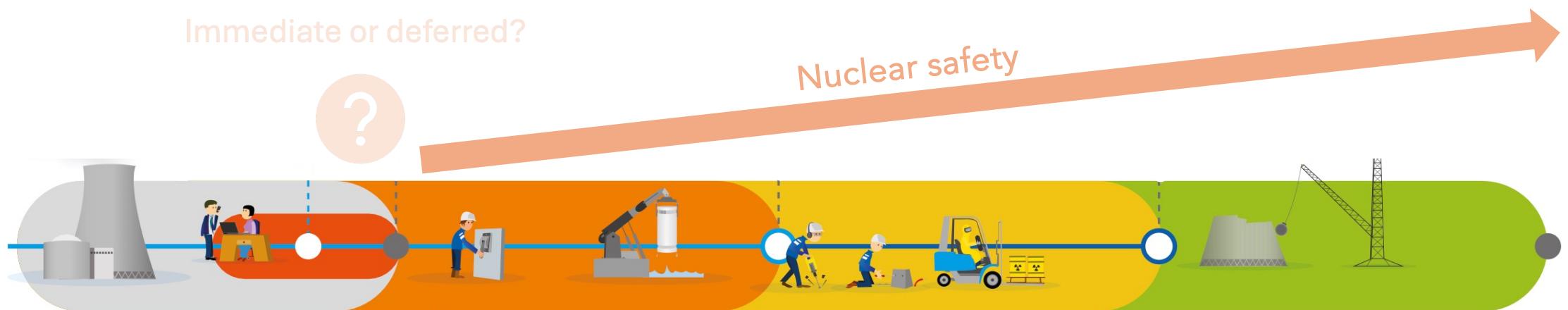
**Losing radioactivity
VS
Keeping knowledge & workforce**

Loosing radioactivity VS keeping knowledge & workforce

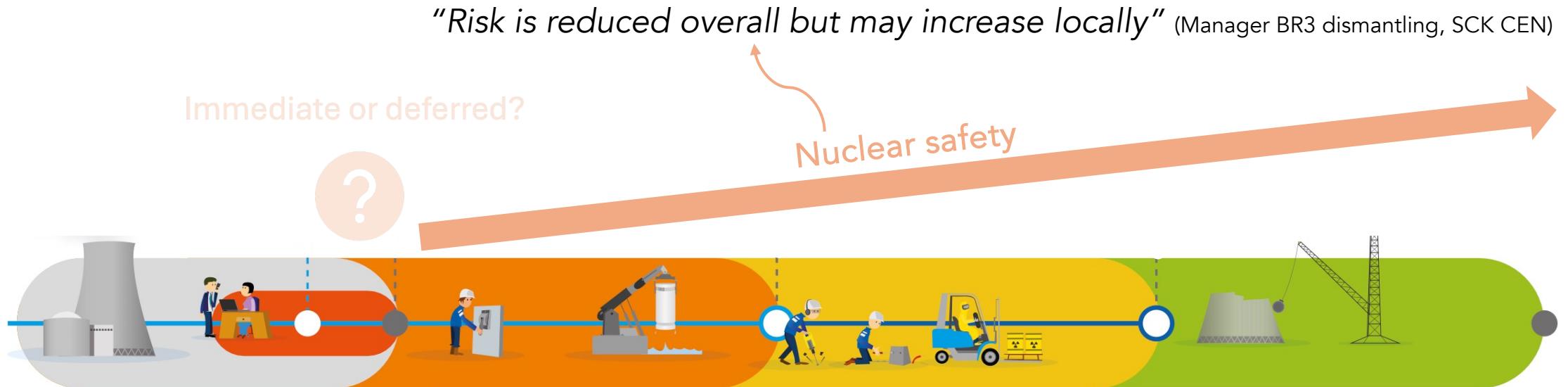
Immediate or deferred?



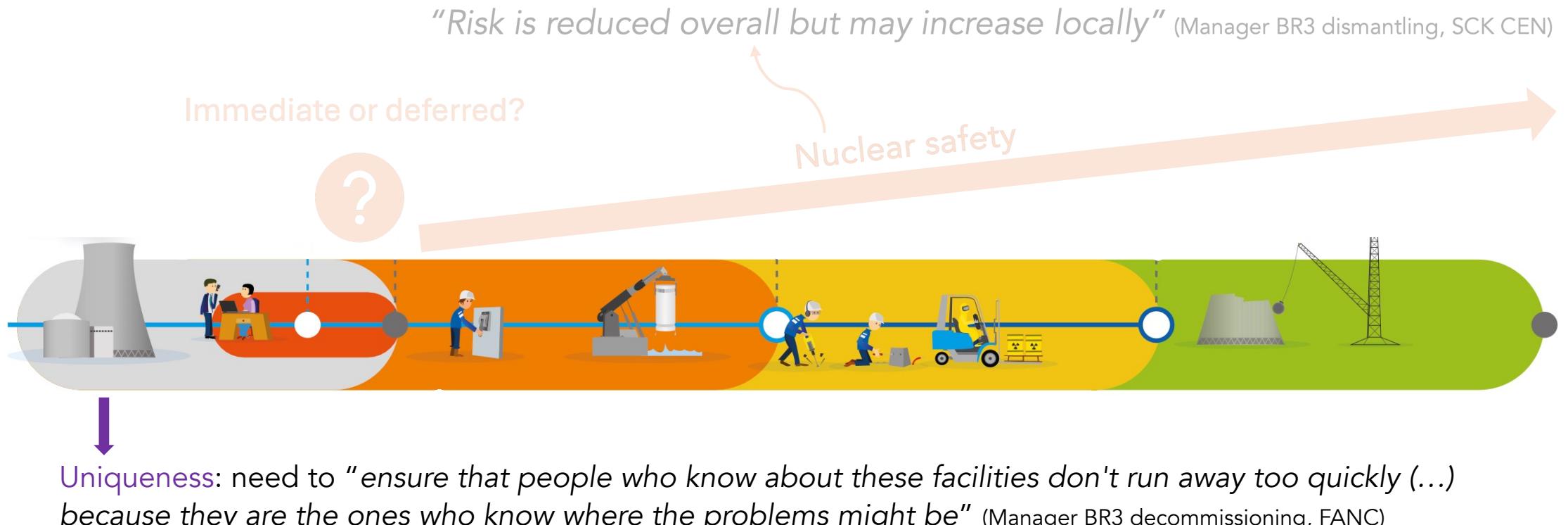
Loosing radioactivity VS keeping knowledge & workforce



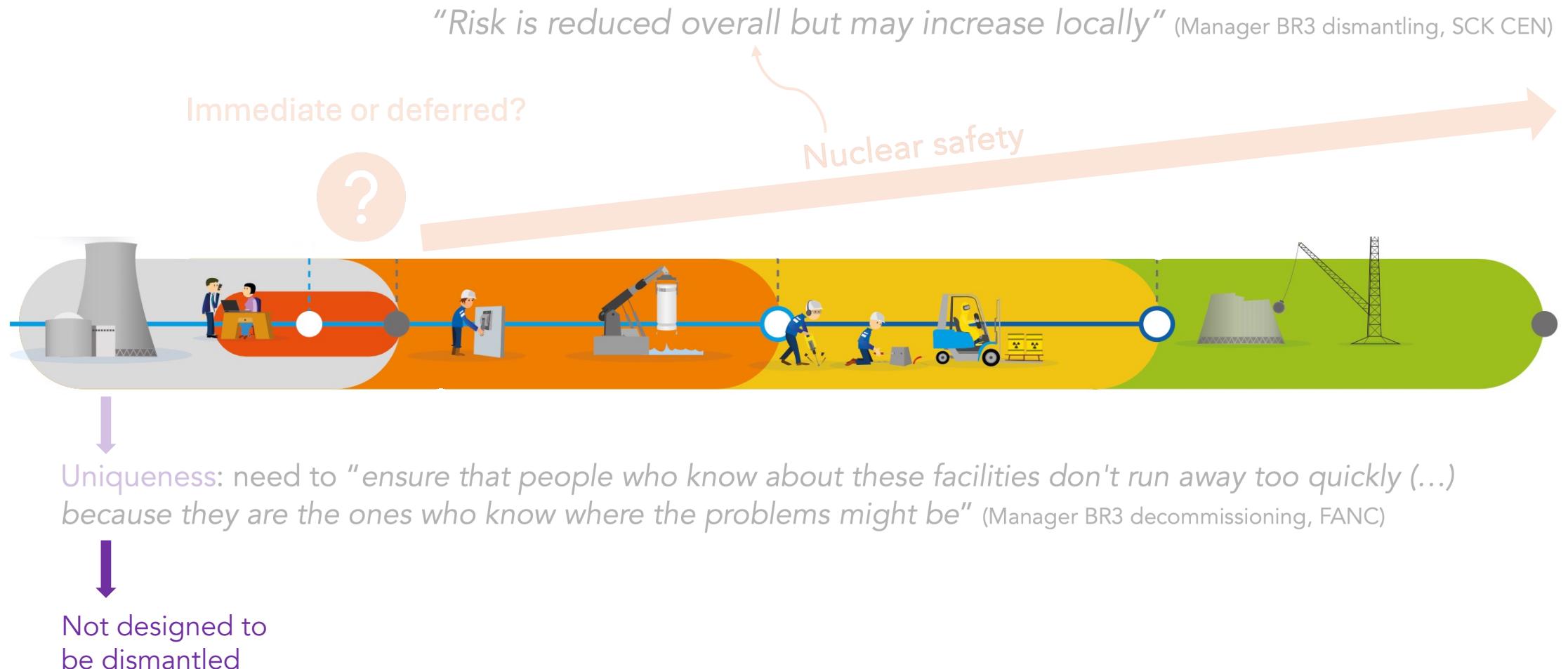
Loosing radioactivity VS keeping knowledge & workforce



Loosing radioactivity VS keeping knowledge & workforce

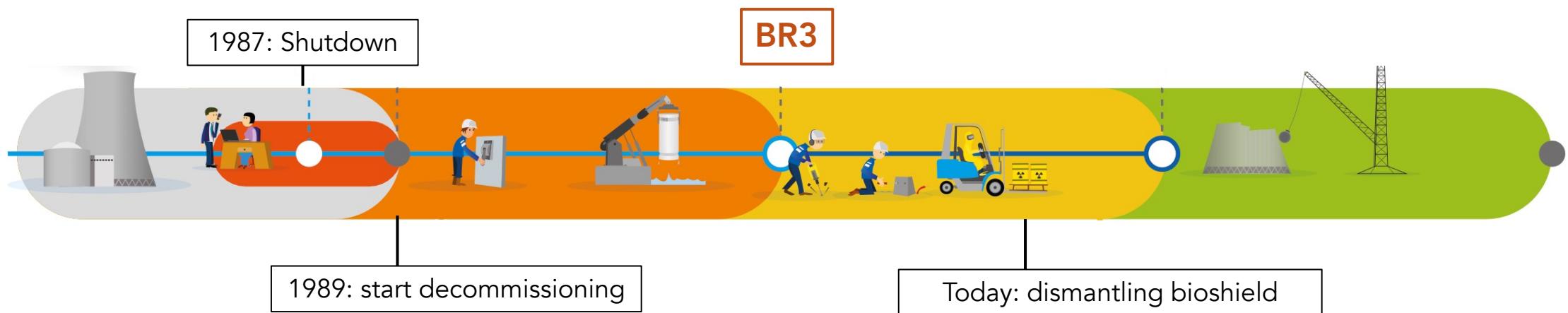


Loosing radioactivity VS keeping knowledge & workforce

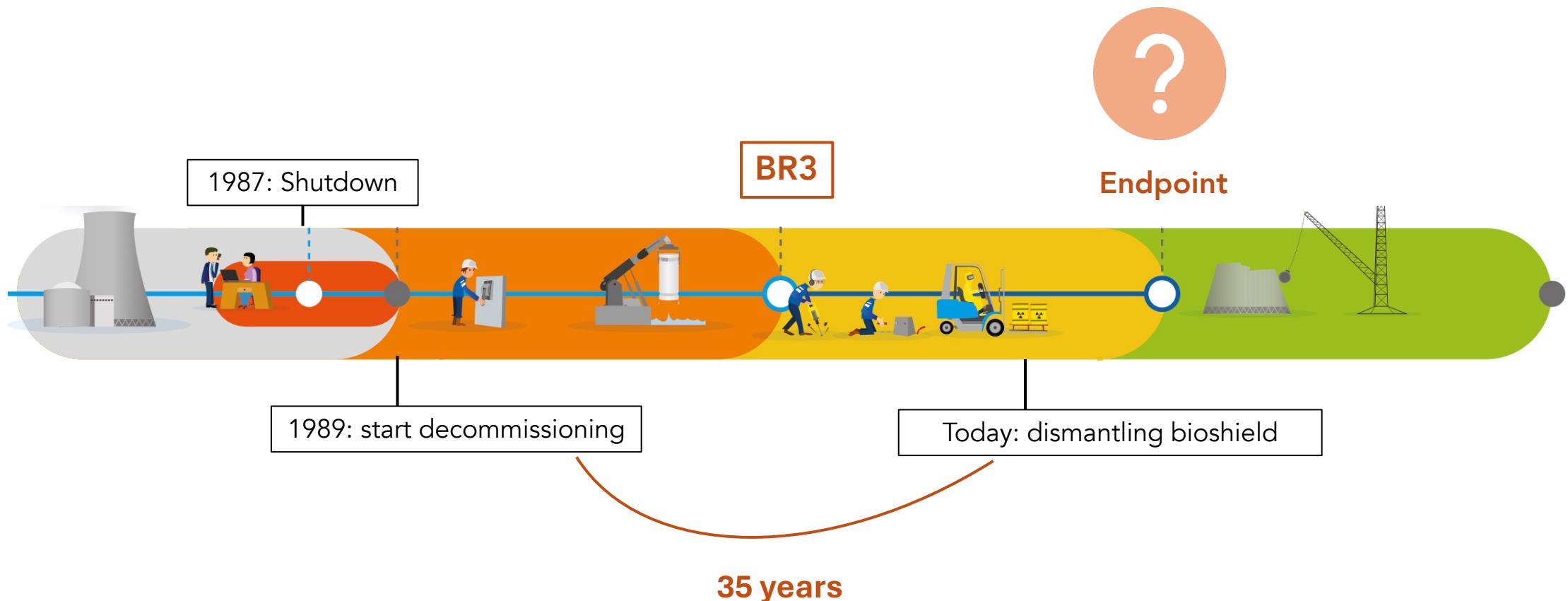


Dodging gymnastics: the art of suspending time

BR3: unanticipated delay

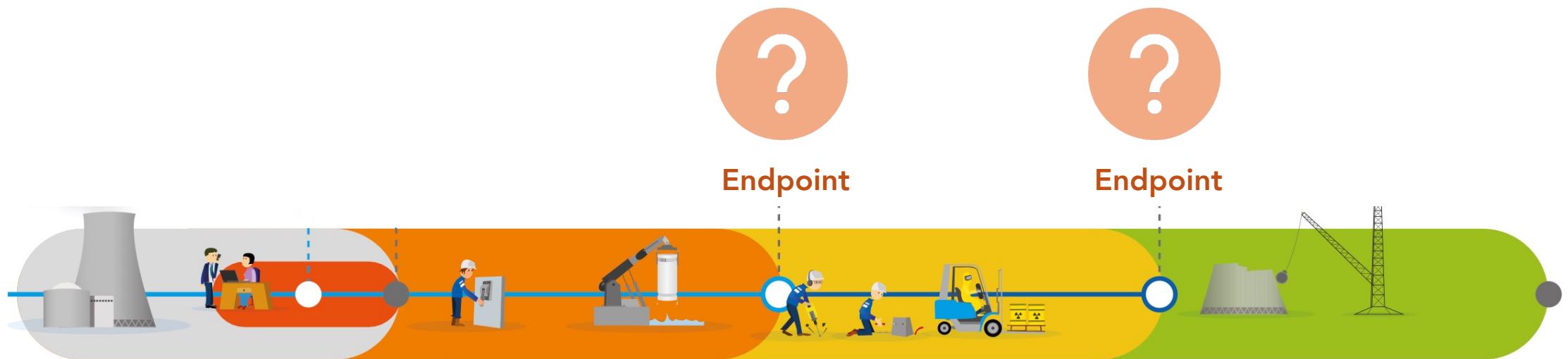


BR3: unanticipated delay

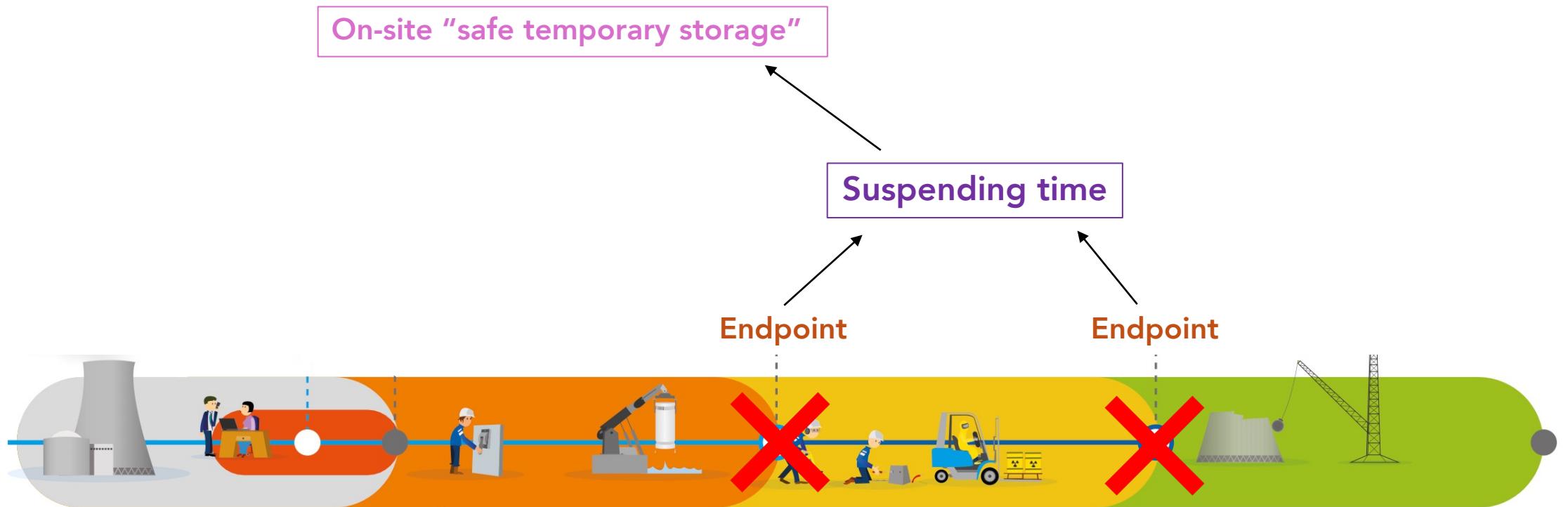


A risk of congestion

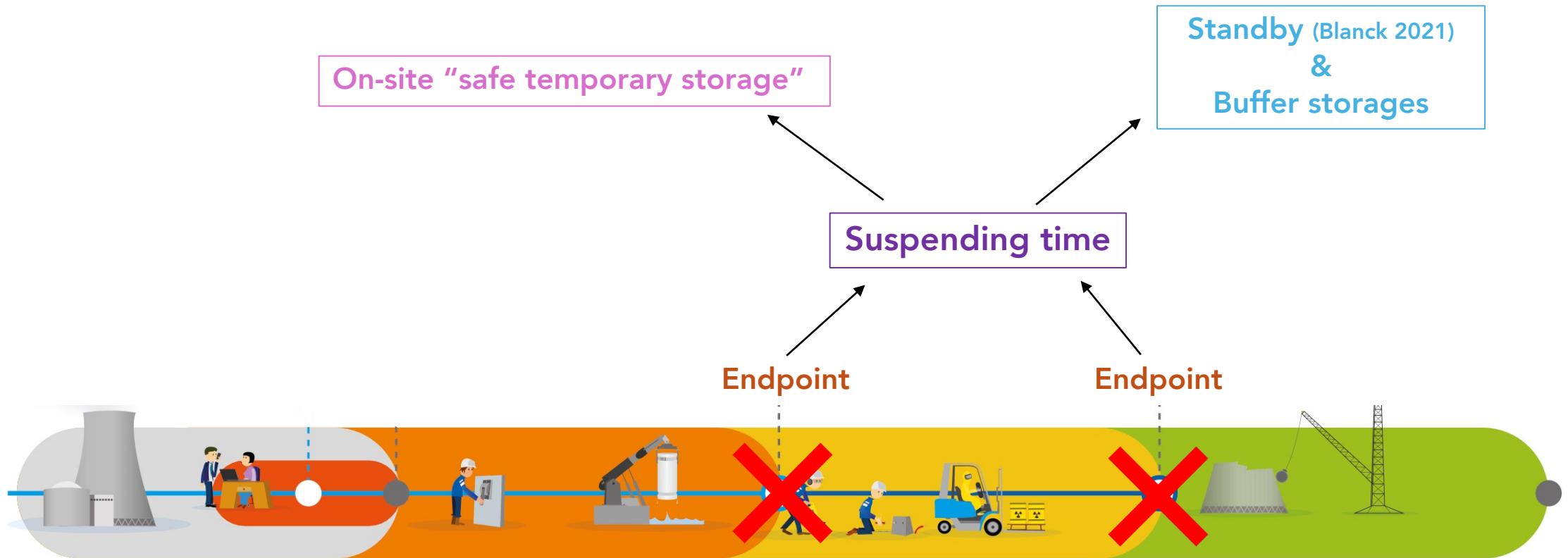
"The end of the cycle influences all the cycle" (R&D, ONDRAF)



A risk of congestion



A risk of congestion





Avoiding timeprint?

References

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9,75	9,5	10,5 3,15 (22/18/19) 2,42 (21/10/19) 2,19 (21/10/19) 2,3 (15/10/19)	9,48	9,41
10,4	10,3	11,1 PH=9,7m 312-01-09	10,3	9,26
B1				
11,1	10,6	10,5 11,68 (22/18/19) 22/10/19	10,6	9,51
		551 (31/10/19)		