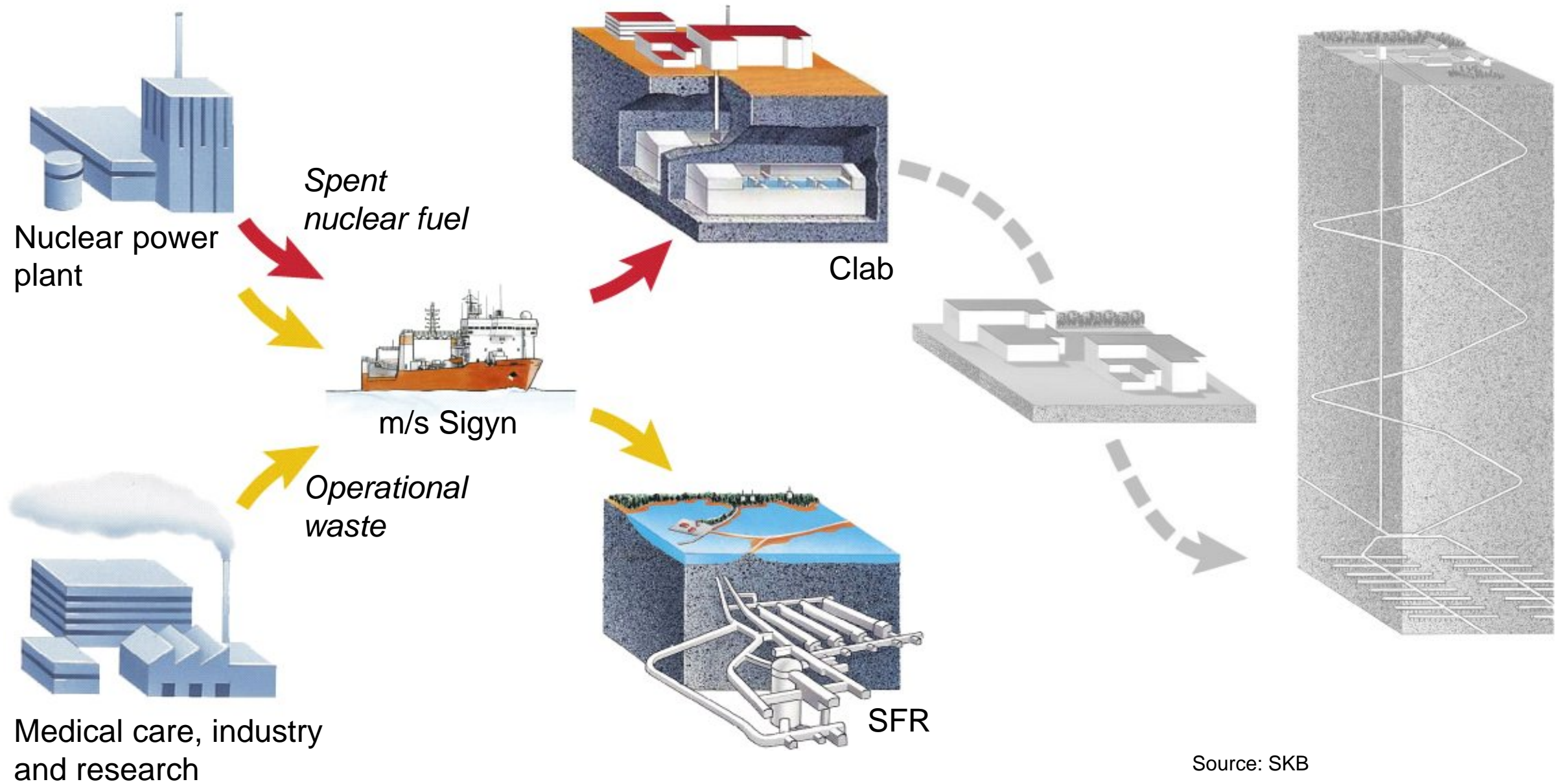


International Strategic and Operational Management of Nuclear Fuel

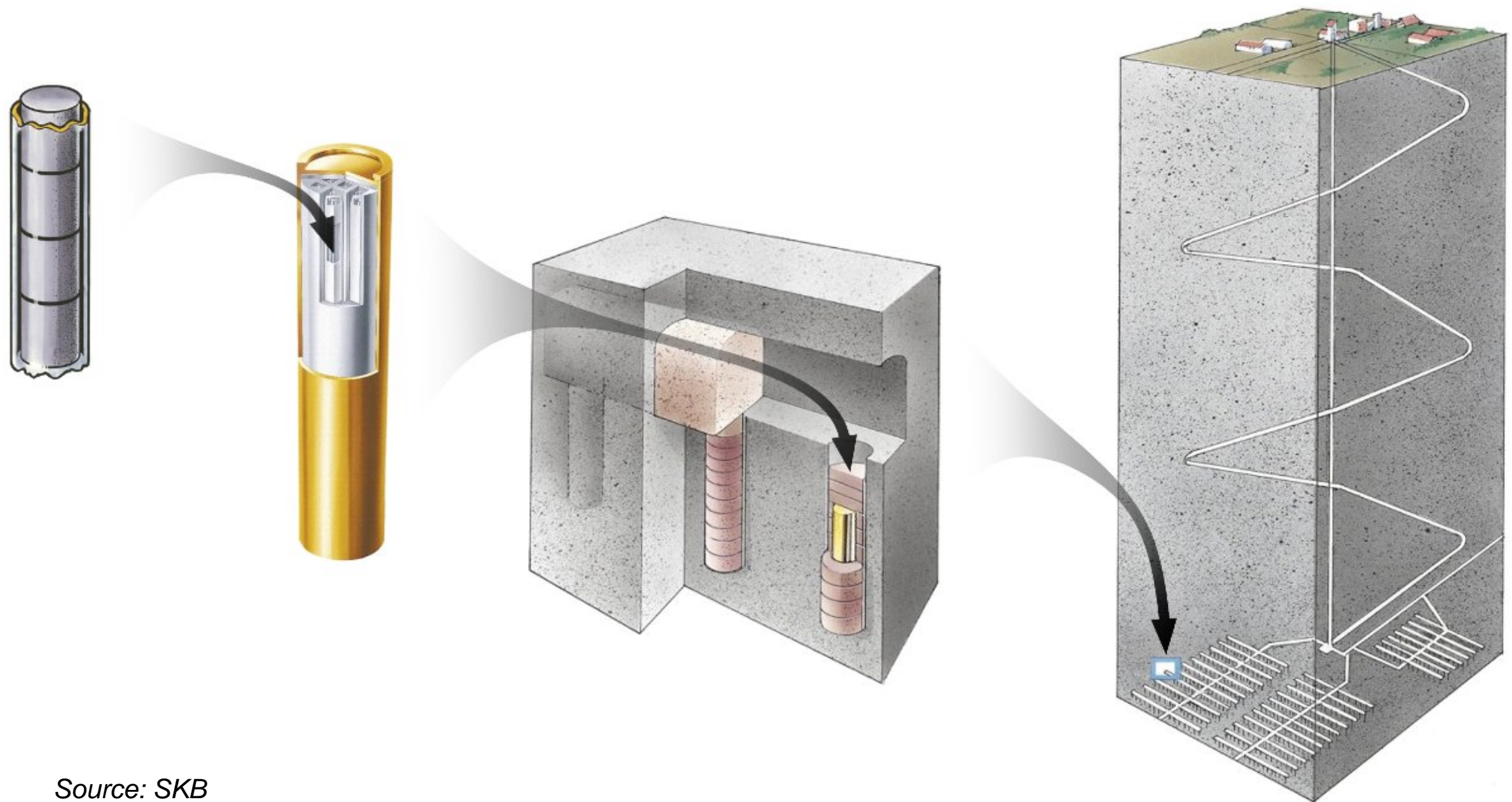
Carl Reinhold Bråkenhielm
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Chair, Swedish National Council for Nuclear Waste

Swedish Waste Management System



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The KBS-3-system



Source: SKB

Important decisions up until 2017

Decision by the Swedish government expected in 2017.

Hurdles to be overcome BEFORE 2017: a positive decision from (1) the Land and Environmental Court (under the Environmental Code), (2) the Swedish Radiation Safety Authority (under the Nuclear Activities Act), (3) the municipality of Oskarshamn (for an encapsulation plant) and (4) the municipality of Östhammar (for the geological repository).

Three questions about the internal function of the safety assessment

- Will SKB succeed in translating the safety assessment into a realistic and (in-situ) verifiable building code?
- How does SKB manage to analyze the dynamic in the transition from an initial state to a stable target state?
- What kind of organization is needed to ensure for more than a half a century that the building code is realized in the initial state?

From State of the Art Report 2012

"...matters related to organization and project control are of such importance that they should be systematically studied, for example with the aid of tools from organization theory. Such studies should get started as soon as possible so that the knowledge will be available prior to a decision on the permissibility of a KBS-3 repository in Forsmark." (p. 30)