

Preparations for a Nuclear Expansion in Sweden

World Energy Council Finland: Nuclear power in Finland and Europe
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Inquiry assigned by the Ministry of Climate and Enterprise



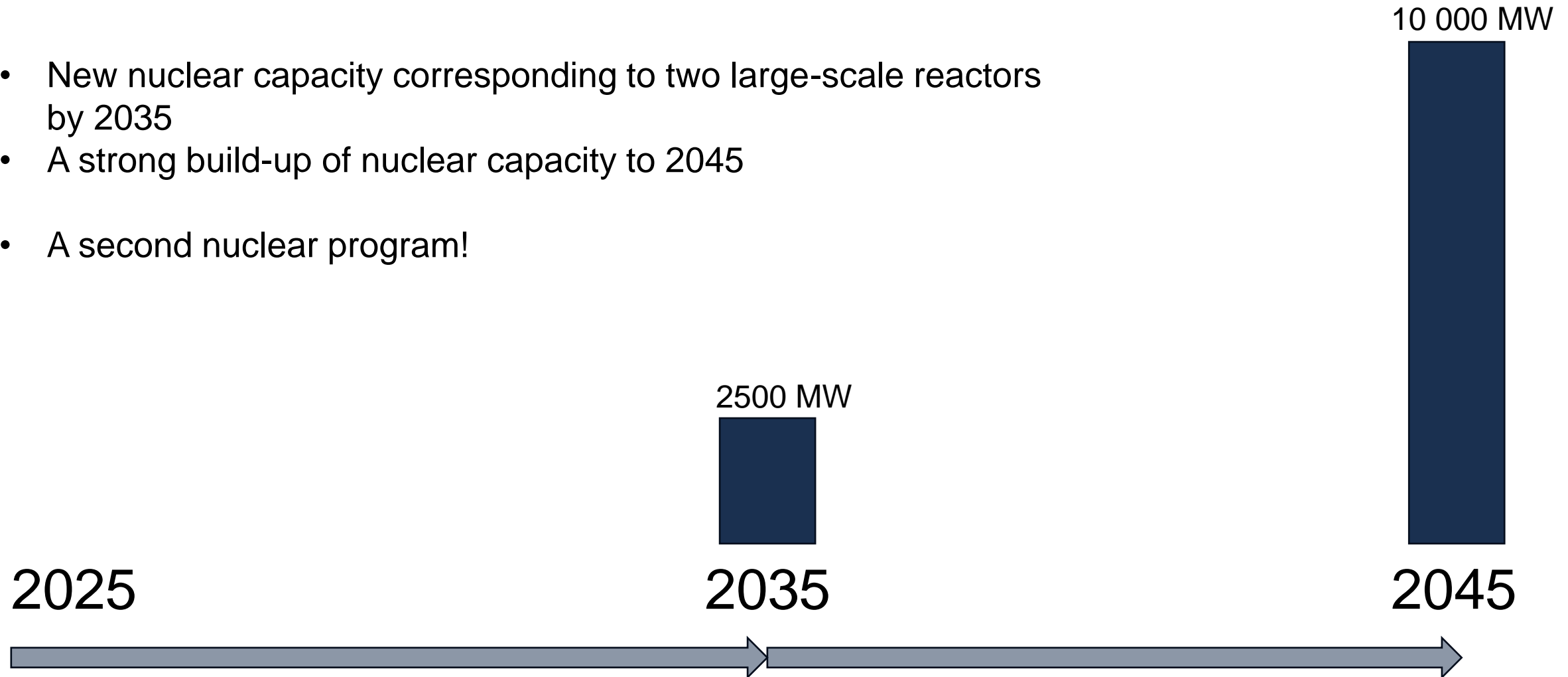
A new course for energy policy in Sweden

- New policies driven by:
 - Climate
 - Energy security & system challenges
 - Competitiveness
- “100% fossil free” electricity production
- Removed nuclear cap
- Targets for system planning
- New policy approved by Parliament
 - Includes Nuclear Roadmap



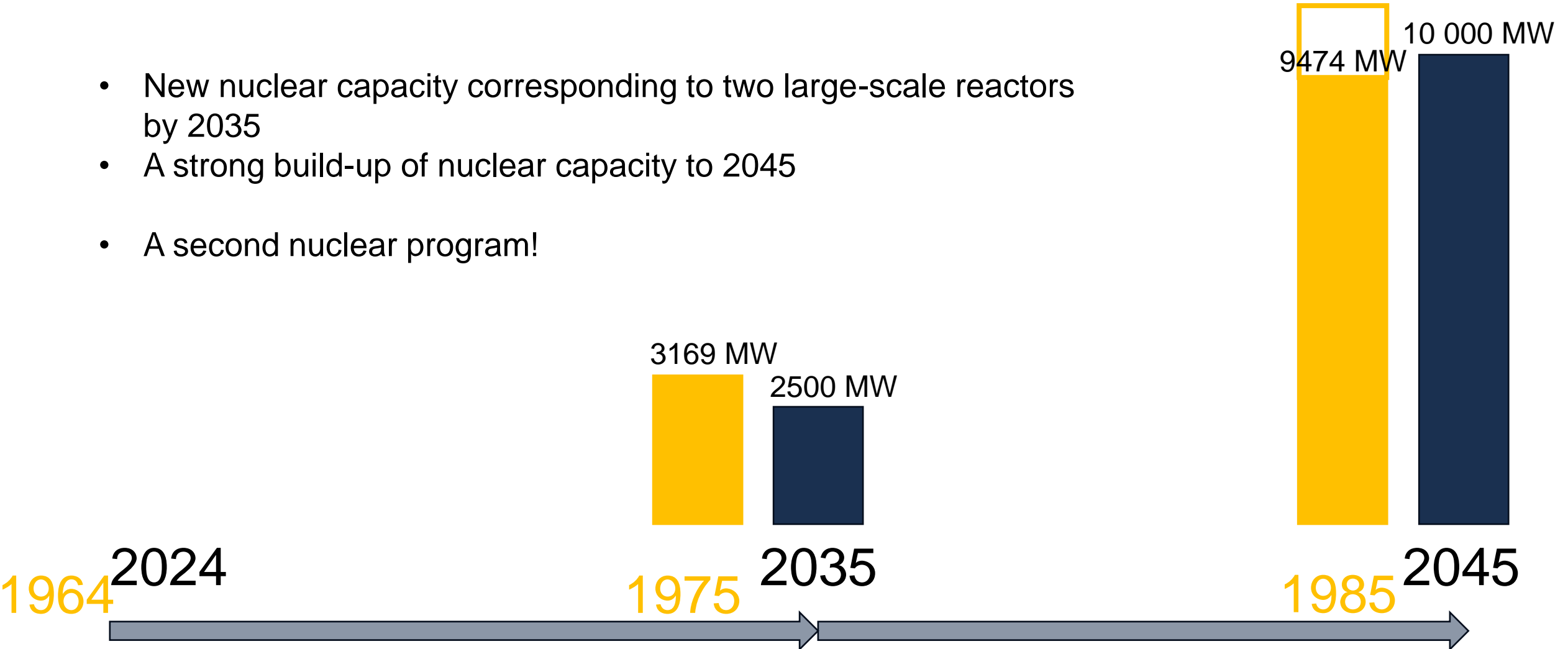
Roadmap for New Nuclear Power

- New nuclear capacity corresponding to two large-scale reactors by 2035
- A strong build-up of nuclear capacity to 2045
- A second nuclear program!

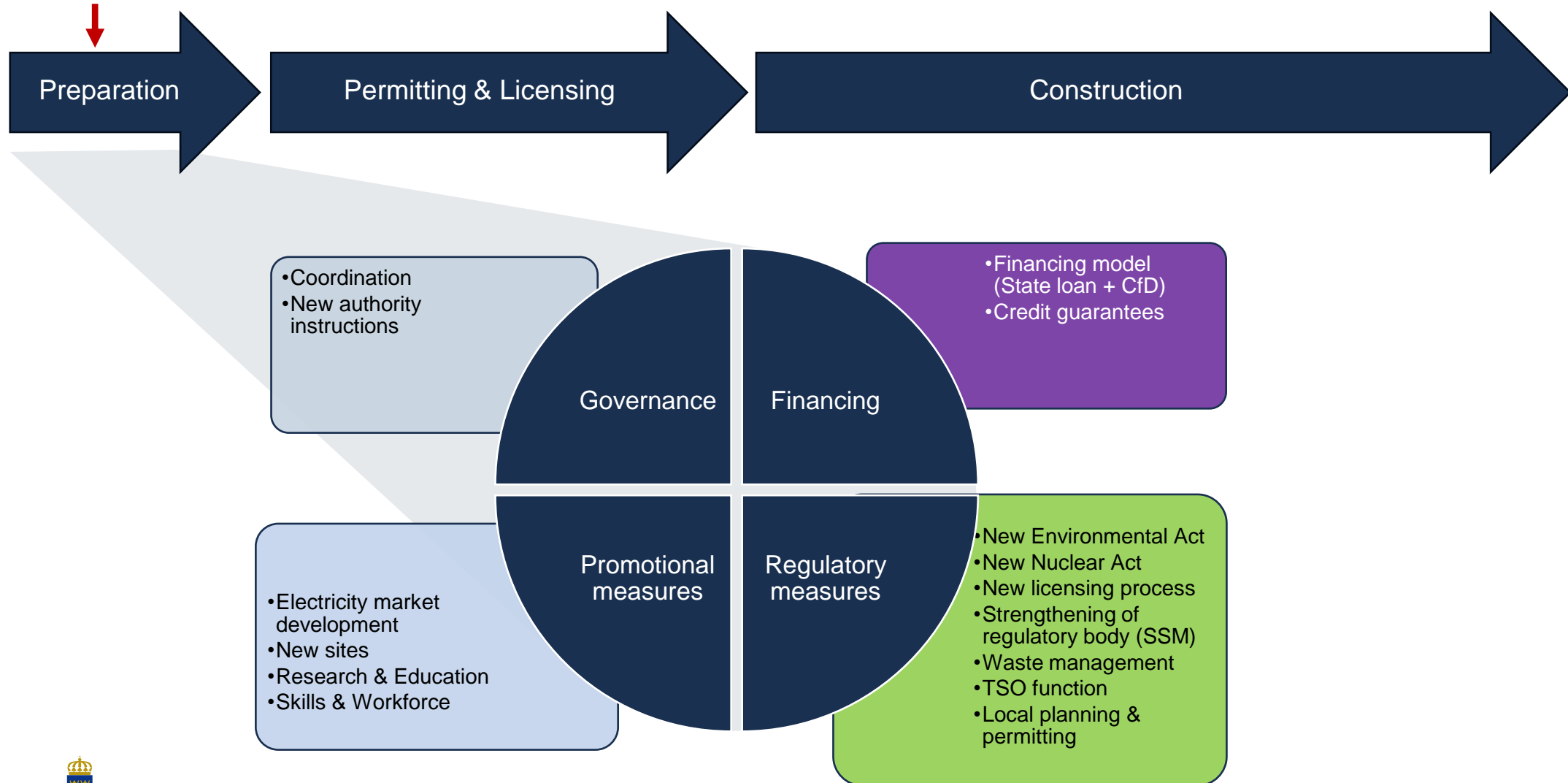


Roadmap for New Nuclear Power

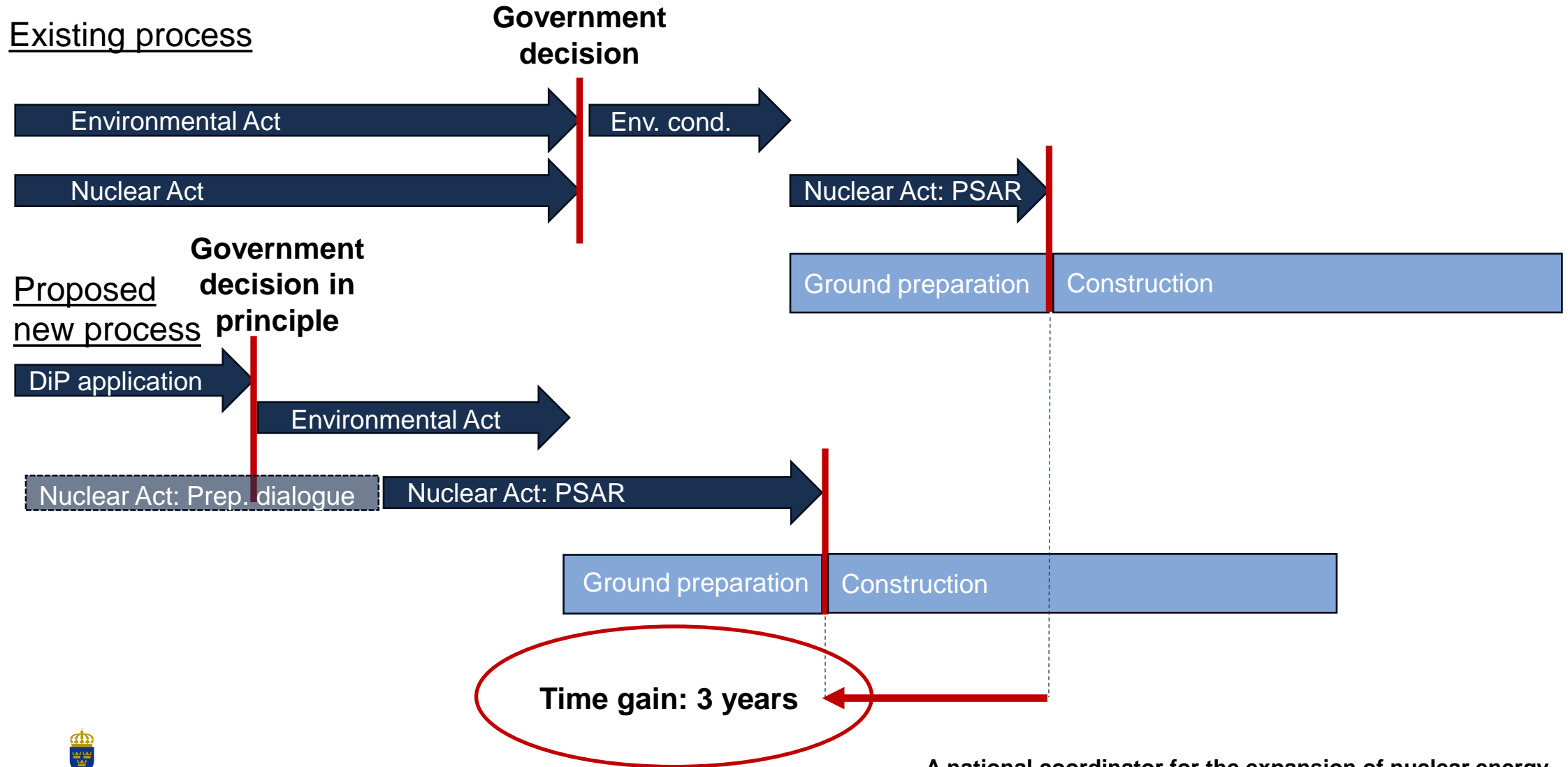
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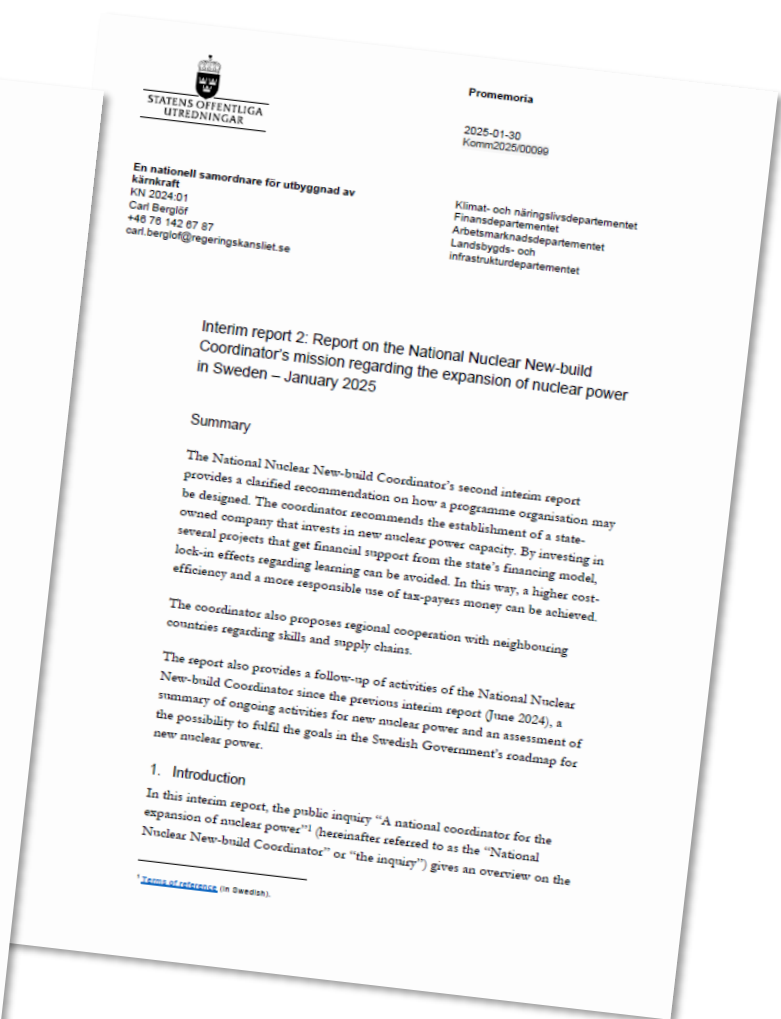
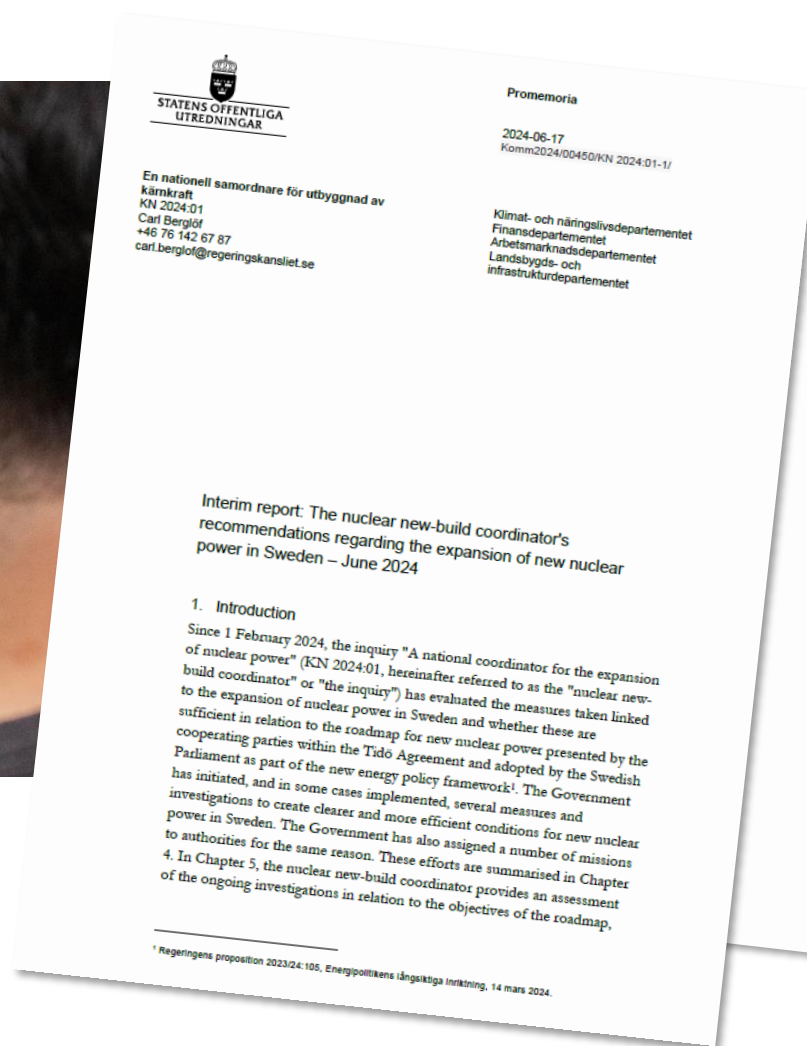
Critical path to first grid connection



Proposed new licensing process



Two interim reports published



Interim report: The nuclear new-build coordinator's recommendations regarding the expansion of new nuclear power in Sweden – June 2024

1. Introduction

Since 1 February 2024, the inquiry "A national coordinator for the expansion of nuclear power" (KN 2024:01, hereinafter referred to as the "nuclear new-build coordinator" or "the inquiry") has evaluated the measures taken linked to the expansion of nuclear power in Sweden and whether these are sufficient in relation to the roadmap for new nuclear power presented by the cooperating parties within the Tido Agreement and adopted by the Swedish Parliament as part of the new energy policy framework¹. The Government has initiated, and in some cases implemented, several measures and investigations to create clearer and more efficient conditions for new nuclear power in Sweden. The Government has also assigned a number of missions to authorities for the same reason. These efforts are summarised in Chapter 4. In Chapter 5, the nuclear new-build coordinator provides an assessment of the ongoing investigations in relation to the objectives of the roadmap.

¹ Regeringens proposition 2023/24:105, Energpolitikens långsiktiga inriktning, 14 mars 2024.

Interim report 2: Report on the National Nuclear New-build Coordinator's mission regarding the expansion of nuclear power in Sweden – January 2025

Summary

The National Nuclear New-build Coordinator's second interim report provides a clarified recommendation on how a programme organisation may be designed. The coordinator recommends the establishment of a state-owned company that invests in new nuclear power capacity. By investing in several projects that get financial support from the state's financing model, lock-in effects regarding learning can be avoided. In this way, a higher cost-efficiency and a more responsible use of tax-payers' money can be achieved.

The coordinator also proposes regional cooperation with neighbouring countries regarding skills and supply chains.

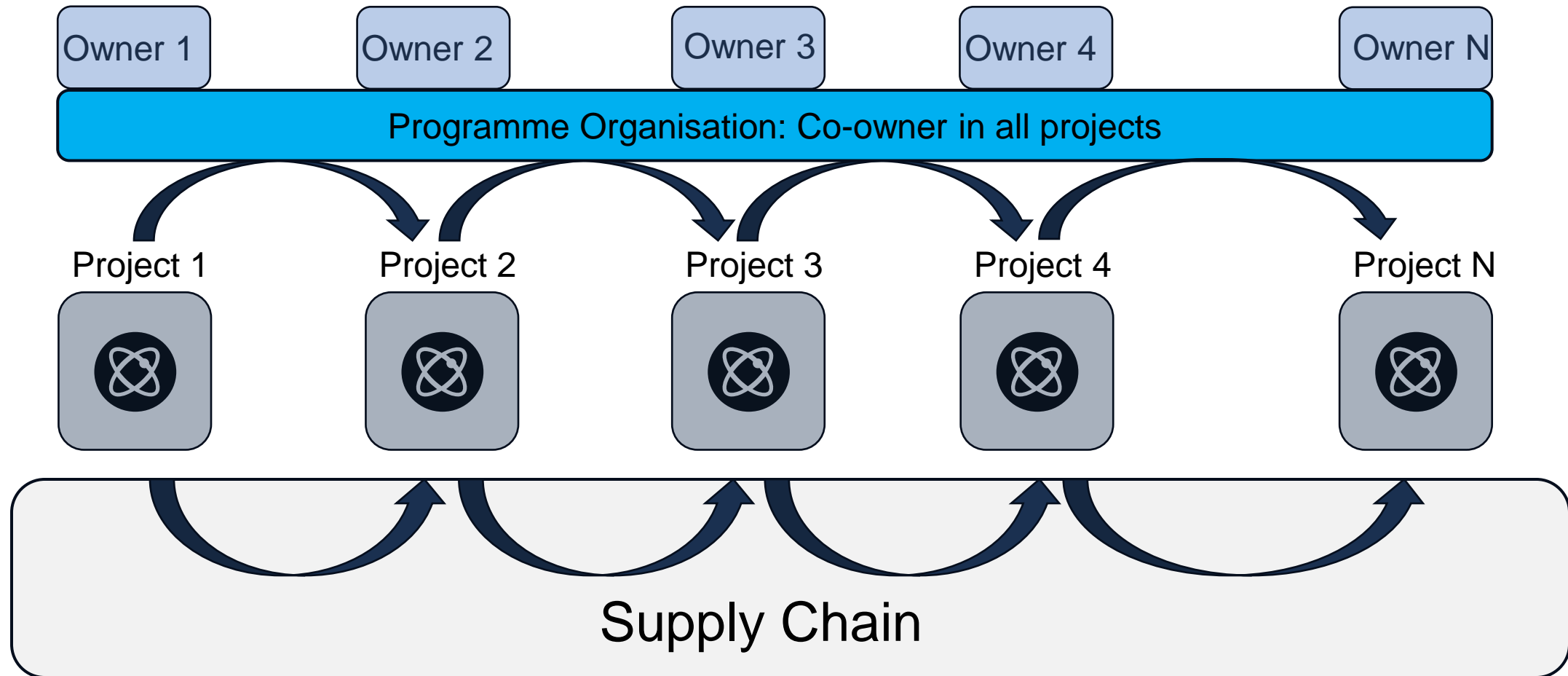
The report also provides a follow-up of activities of the National Nuclear New-build Coordinator since the previous interim report (June 2024), a summary of ongoing activities for new nuclear power and an assessment of the possibility to fulfil the goals in the Swedish Government's roadmap for new nuclear power.

1. Introduction

In this interim report, the public inquiry "A national coordinator for the expansion of nuclear power"¹ (hereinafter referred to as the "National Nuclear New-build Coordinator" or "the inquiry") gives an overview on the

¹ [Terms of reference](#) (in Swedish).

A missing piece: Knowledge management



Nordic-Baltic Nuclear Hub

- Supply chain
- Competence development



AI-generated photo

A national coordinator for the expansion of nuclear energy