



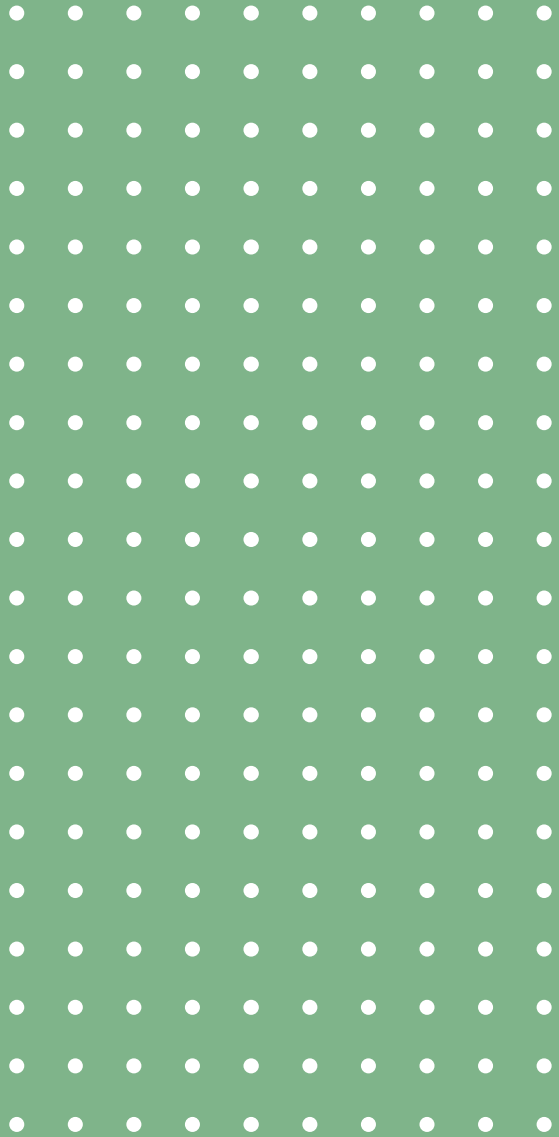
The Elhub experience

The making of a metering value datahub on the path forward to digitalised and future proof electricity system solution

A knowledge sharing at the

"Modern grids for a sustainable energy transition" event

2025-04-07

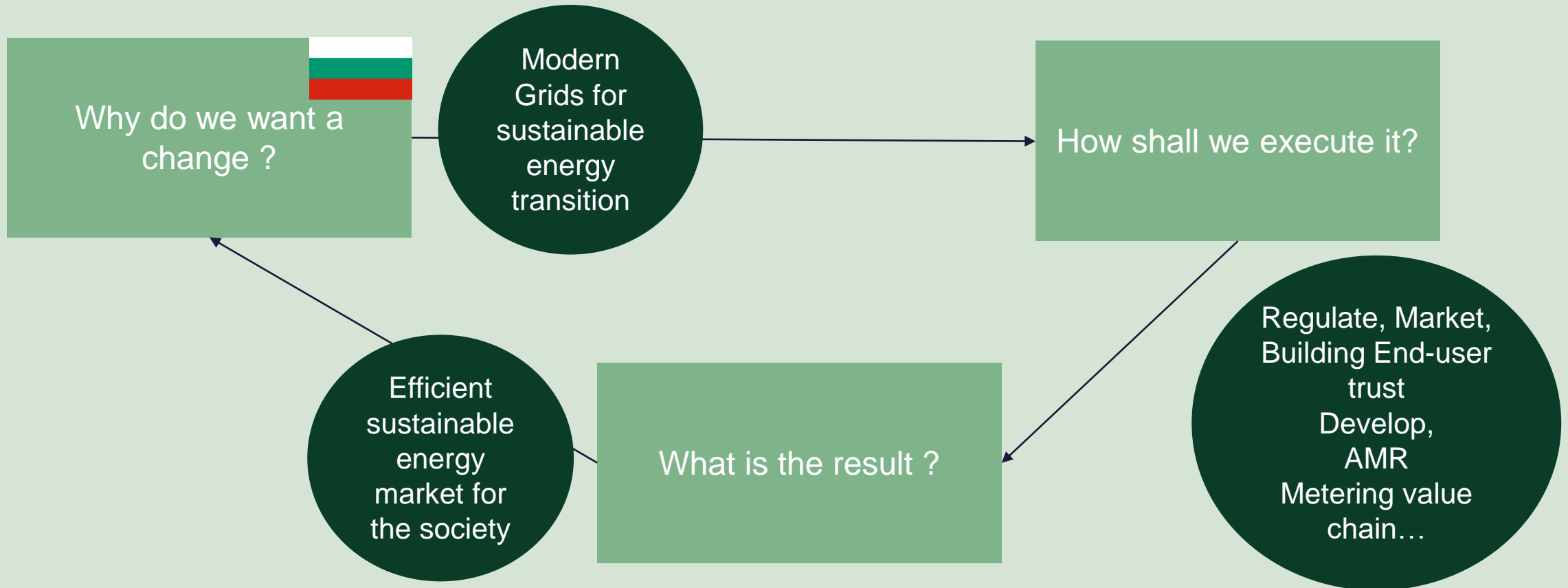


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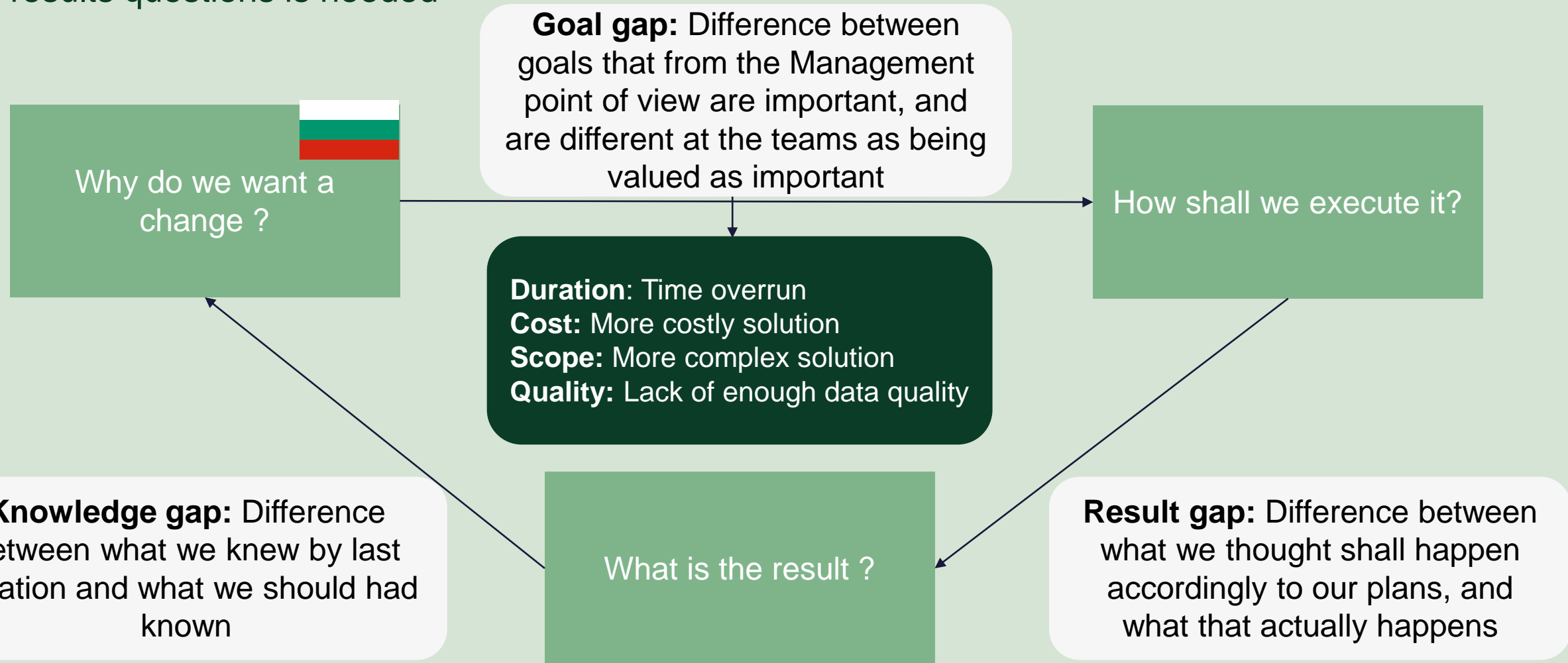
The prerequisite

To gain improvements, in-depth knowledge, contexts and the why, how and effect results questions is needed



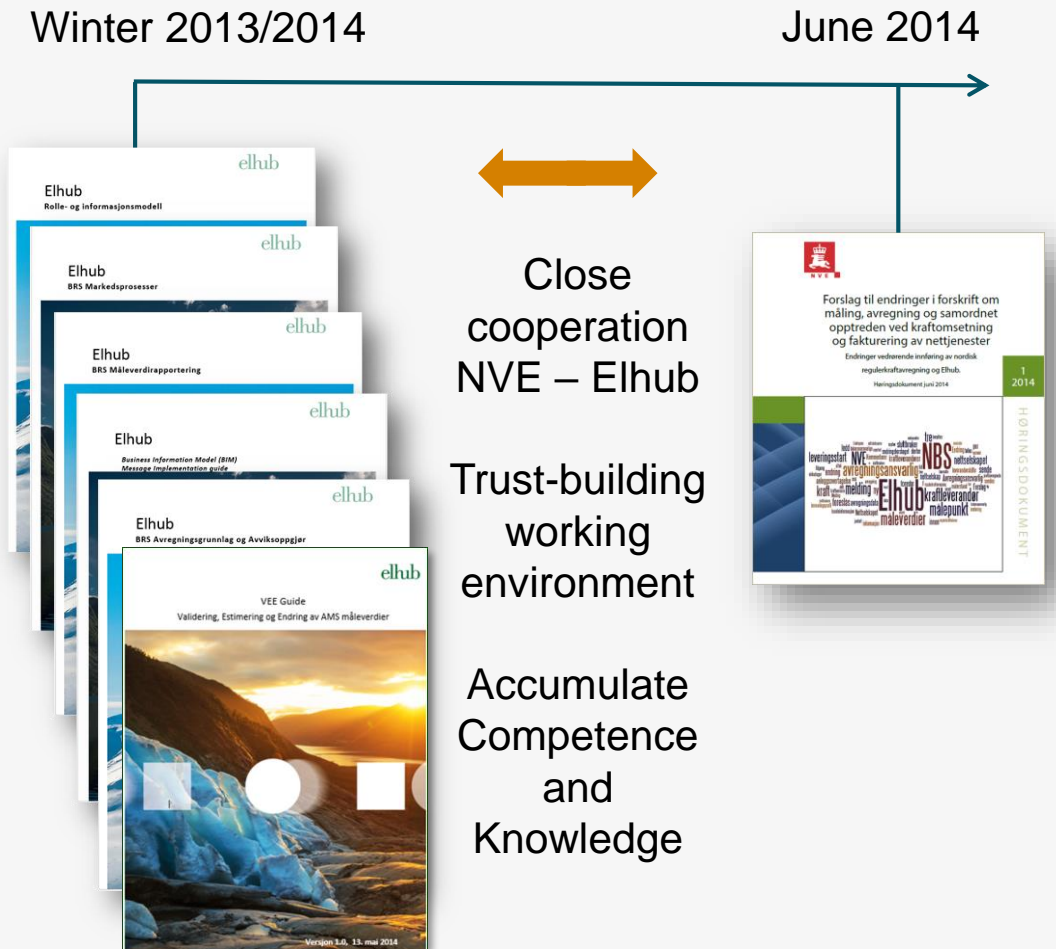
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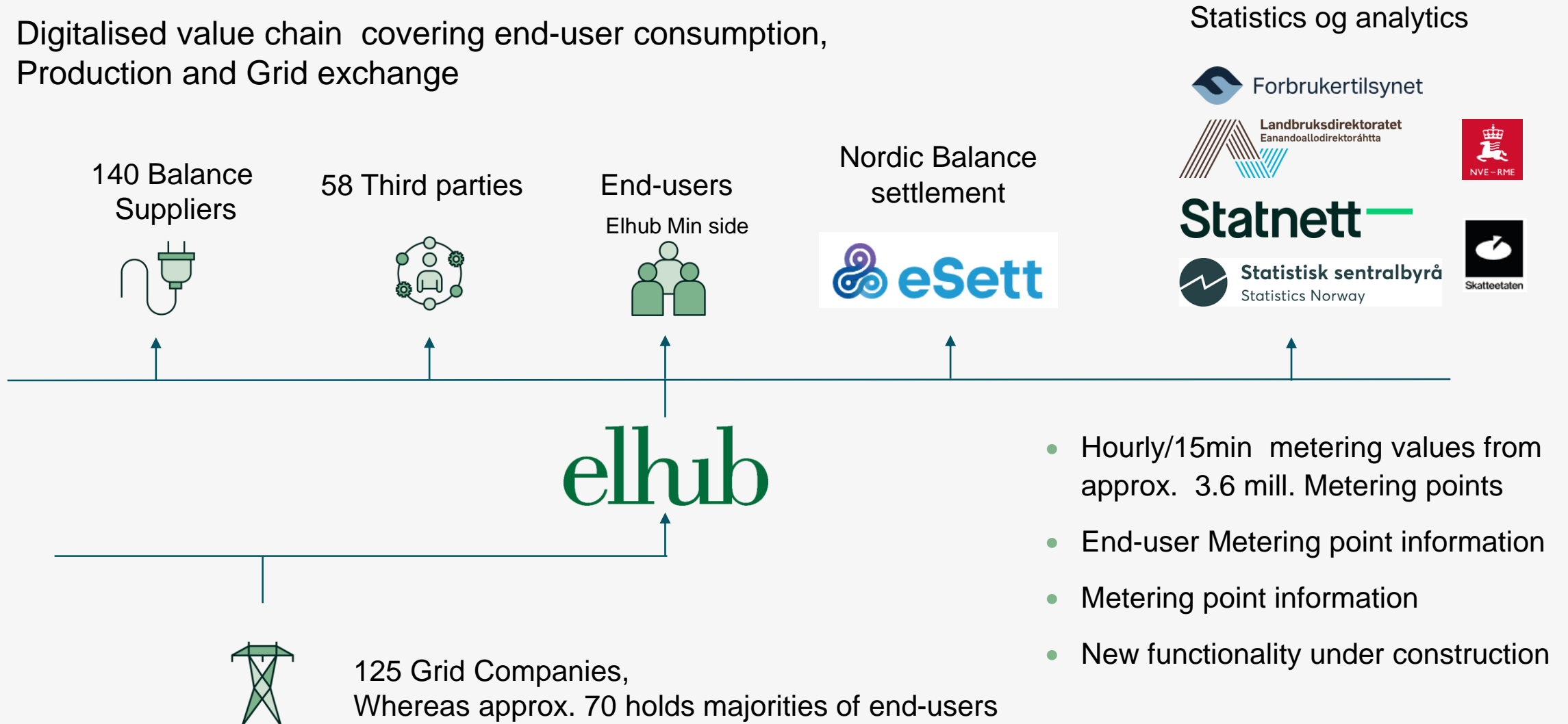
Elhub establishment orders and dependencies'

- Recommendations and how we did it:
 - Clear cut Role responsibility in the project cooperation (Advisor vs Regulator).
- NVE (Regulator) – Writing Regulations, regulate and executing audits of Elhub.
- Statnett/Elhub – Design, develop, implement and operational management of a datahub.
- Tight cooperation to secure a secure, efficient, transparent and operational well design solution.
- Regulations and Rules are executable and to the benefit of the end-users, the market actors and give socio-economic benefit to society.
- Place the regulations on the "right" detail level and what to regulate and what into branch standards.
- Clear cut on role content, responsibility for information and tasks between the market actors.
- Establish trustbased governance.



The making

Digitalised value chain covering end-user consumption, Production and Grid exchange



- Hourly/15min metering values from approx. 3.6 mill. Metering points
- End-user Metering point information
- Metering point information
- New functionality under construction

The operationalisation

New business processes defined
BRS-NO-xxx

Balance
Supplier

Grid
Owner



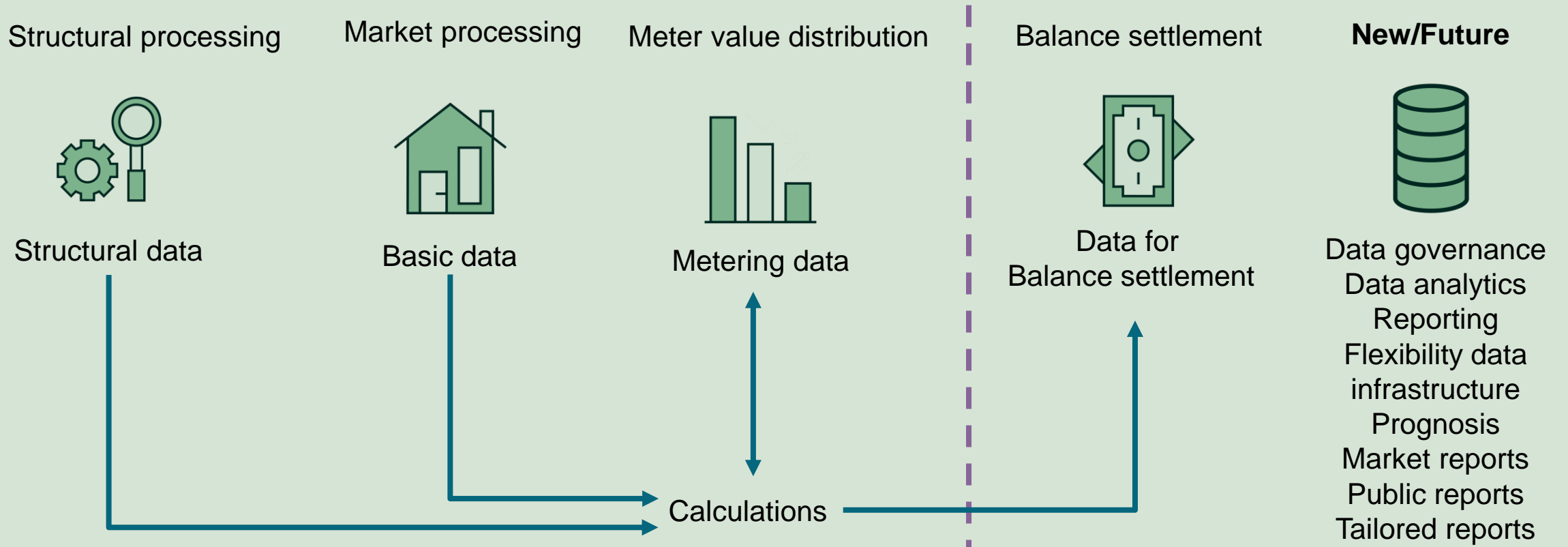
Eihub

101 → BRS main processes

BRS support processes ← 123

The future

- Elhubs Core operations;
 - secure, efficient and transparent settlement execution for a sustainable energy transition



To Sum up – build trust!

- You are not alone ! – seek knowledge and experience from those having done the Datahub-route
- Without fully support by the Government, Politicians, Regulator, Market actors and End-users - no executable project possible
- Include all the market actors in the project execution – you are one team !
- What is your business case and financial model for executing such a project – plan for Benefit analysis, when designing project goal, reasonable timeline, data quality and benefit goal, including tangible and intangible parameters
- Define and agree on which Market roles that must and could be in place, incl. metering value quality assurance and completeness - Work agile when designing an IT- solutions for execution of the common goals on ICT solution infrastructure
- Start with the BRS – Business Requirement Specification process – how shall the market work ?
- Make data quality to an important asset, as well as "privacy by design" principles, and enough duration(years) for data storage
- Think possible needs after GO-live, when decide goal etc. – New demanding functionality will evolve...
- Do not forget to roll-out AMR meters... and have safe, secure and enough capacity on communication

HAVE FUN and challenge each other for the benefit for all 😊

A person wearing a bright orange jacket and blue jeans is walking across a large, open space with a floor covered in a repeating pattern of light-colored circles. The person is slightly blurred, suggesting motion. In the background, there is a wall made of large, dark, rectangular panels, possibly stone or metal, with a metal railing in front of it. The lighting is bright, creating shadows on the floor.

Thank you for the opportunity!

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