



NORSK SENTER
FOR BEREKRAFTIG
KLIMATILPASSING

VESTLANDSFORSKING

How does the Norwegian energy sector perceive climate risks?

A survey – production, distribution and grid

About the survey

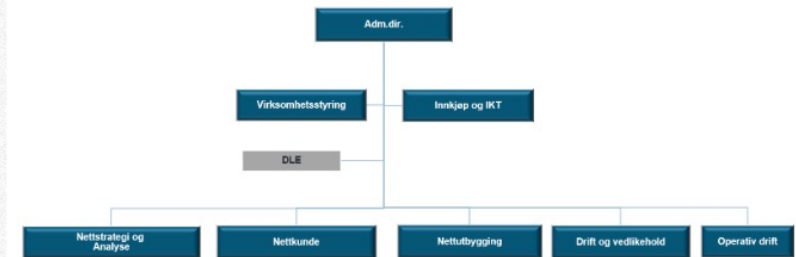
- It is a follow-up to Aall, Wanvik & Dale's work, *Climate Risks of the Transition to a Renewable Energy Society: The Need for Extending the Research Agenda*.
- It also feeds into Klimamonitor.no
- Part of a master's thesis at HVL
- A start for my PhD. and SusRenew

Method



- Difficult to get an overview
- Constant changes in name, ownership, size
- Who did we want?
- How to get in touch with this sector?
- How are the companies organised?

Organisasjonskart:



Norges ti største kraftselskap

Nr	Kraftselskap	Hovedsete	Årsproduksjon (TWh)*
1	Statkraft AS	Oslo	62
2	E-CO Energi AS	Oslo	17
3	Norsk Hydro ASA	Oslo	10
4	Agder Energi AS	Kristiansand	8,1
5	Lyse Energi AS	Stavanger	7,5
6	BKK AS	Bergen	7,0
7	Eidsiva Energi AS	Hamar	6,4
8	NTE	Steinkjer	4,0
	Glitre Energi	Drammen	2,6
10	Sunnhordland kraftlag	Stord	2,5

BKK & Eviny

Å og Glitre

Kraftsystemutredning (Power system review)

ØSTFOLD, OSLO OG AKERSHUS

HEDMARK OG OPPLAND

BUSKERUD

VESTFOLD OG TELEMARK

AGDER

SØR-ROGALAND

SUNNHORDLAND OG NORD-ROGALAND

MIDTRE VESTLAND

SOGN OG FJORDANE

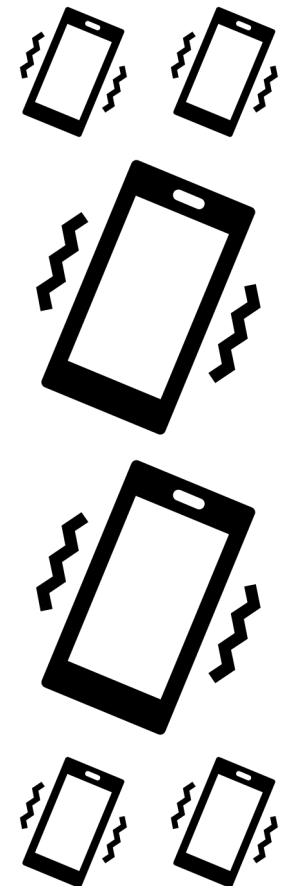
MØRE OG ROMSDAL

SØR-TRØNDELAG

NORD-TRØNDELAG

HELGELAND

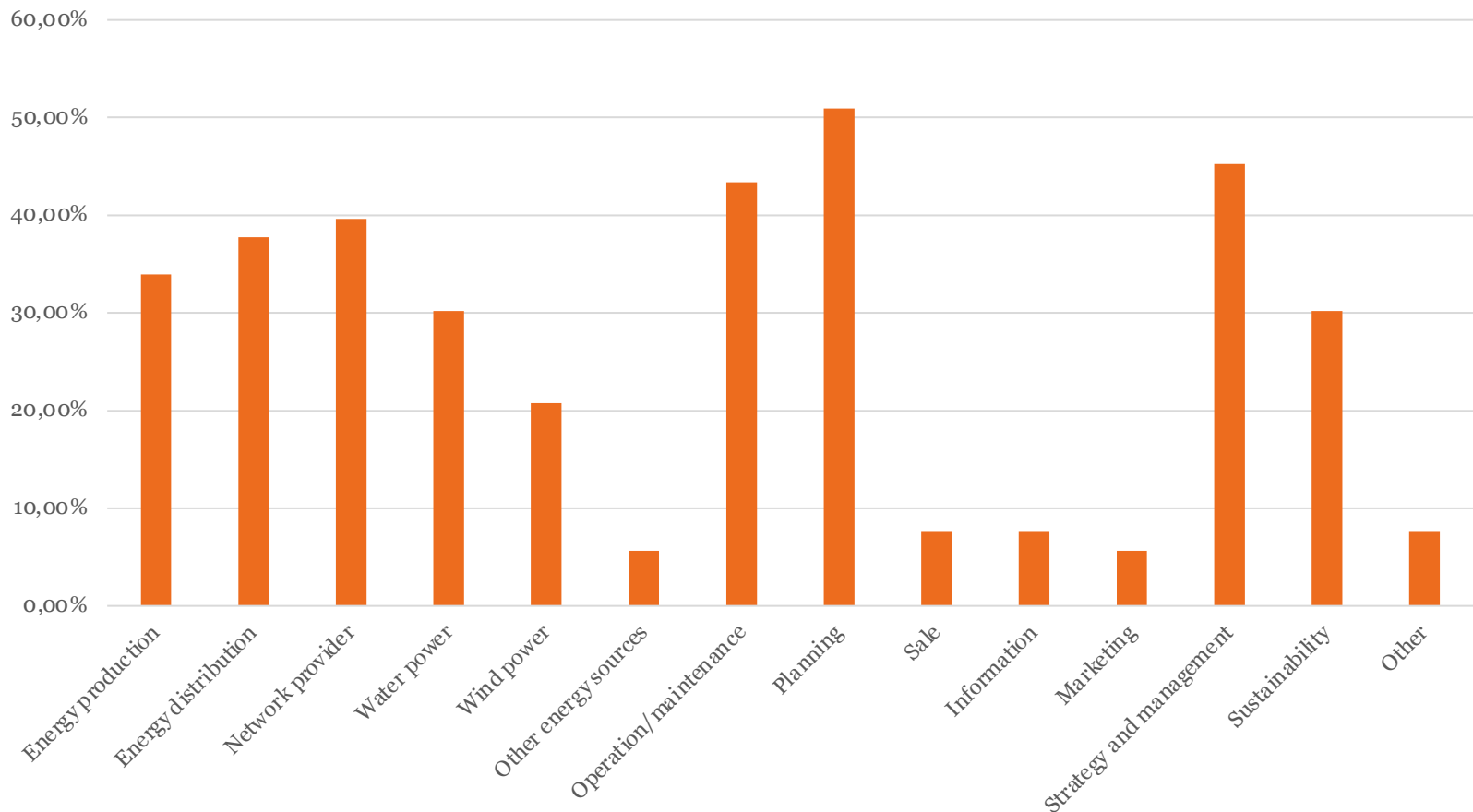
MIDTRE NORDLAND



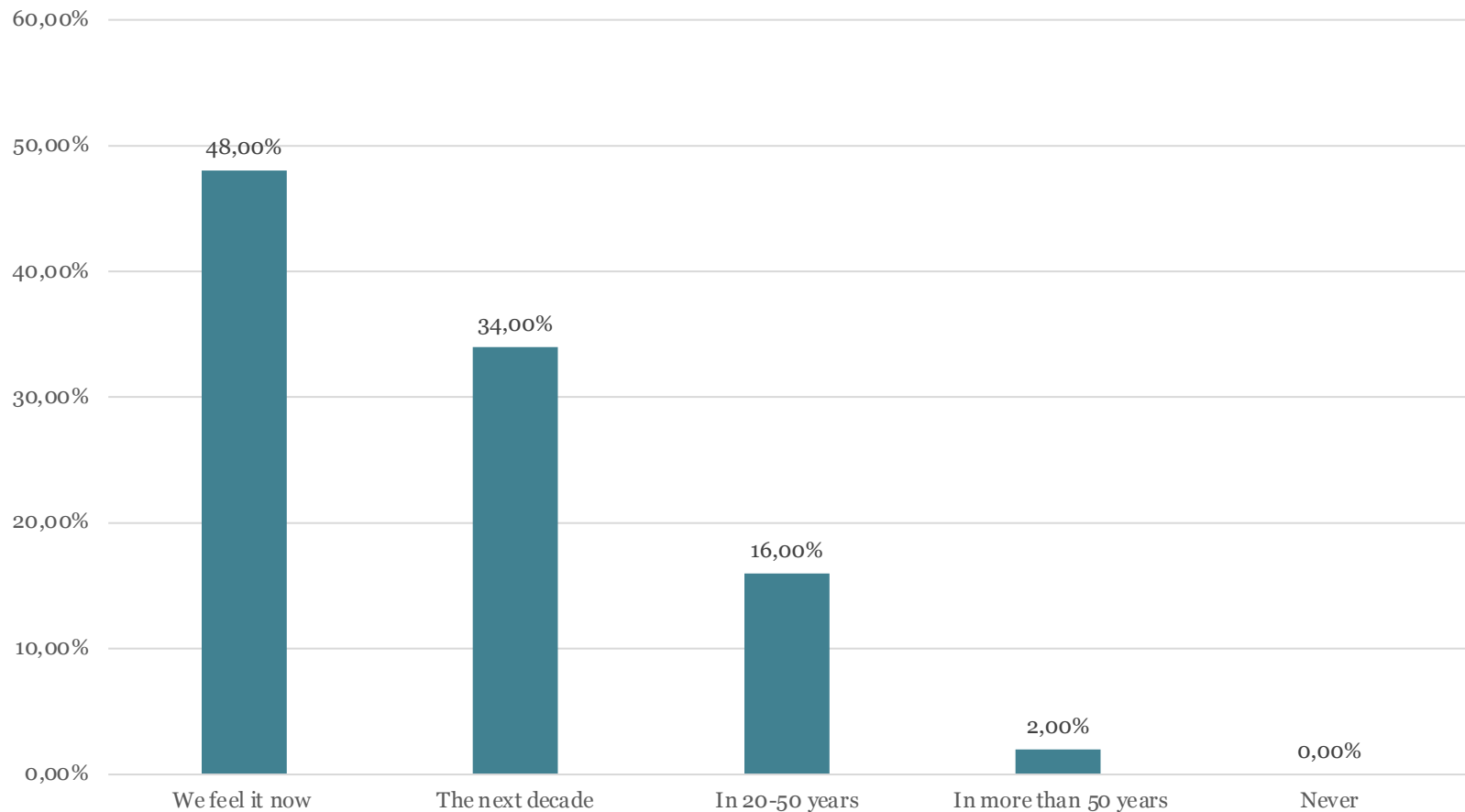
Preliminary results



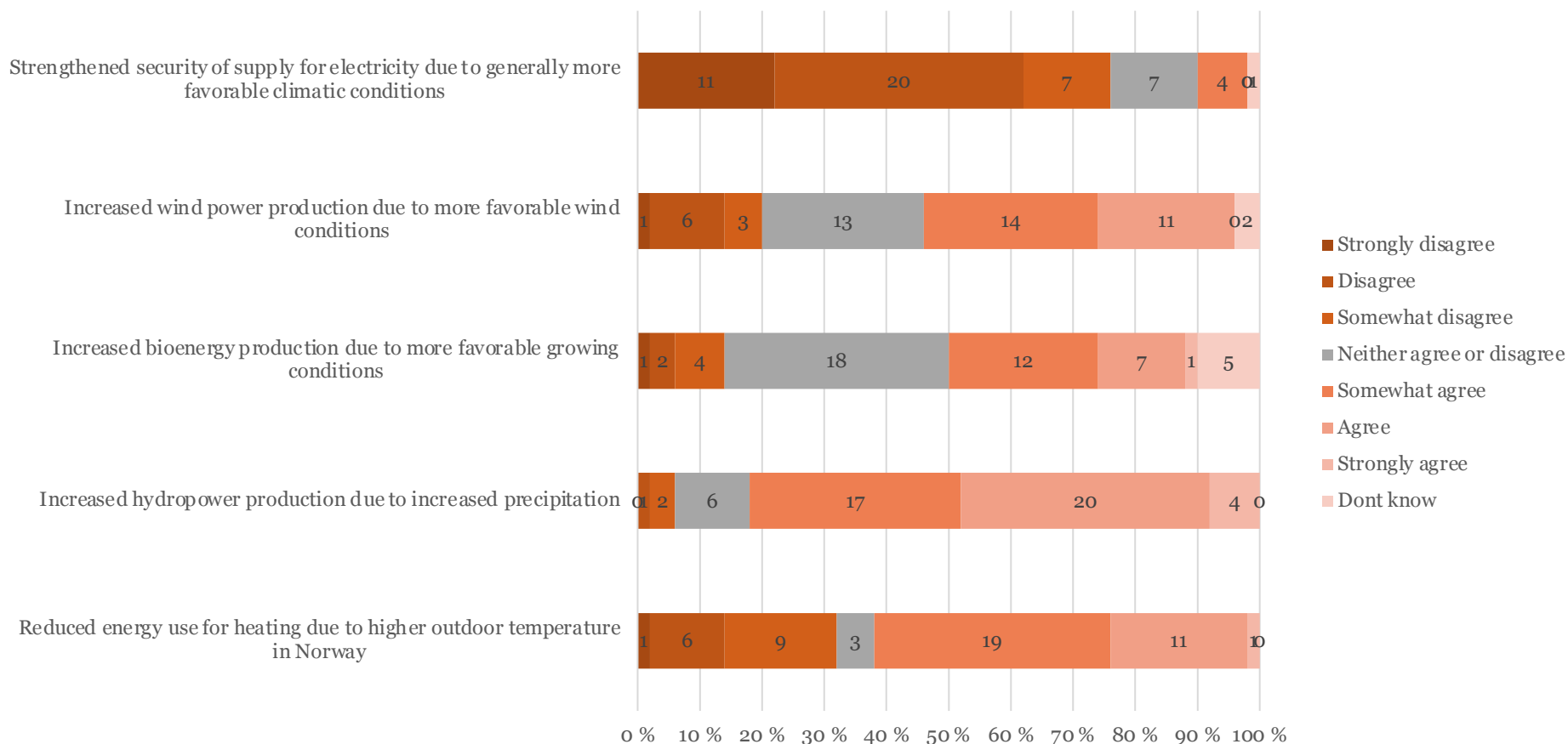
What is your area of responsibility?



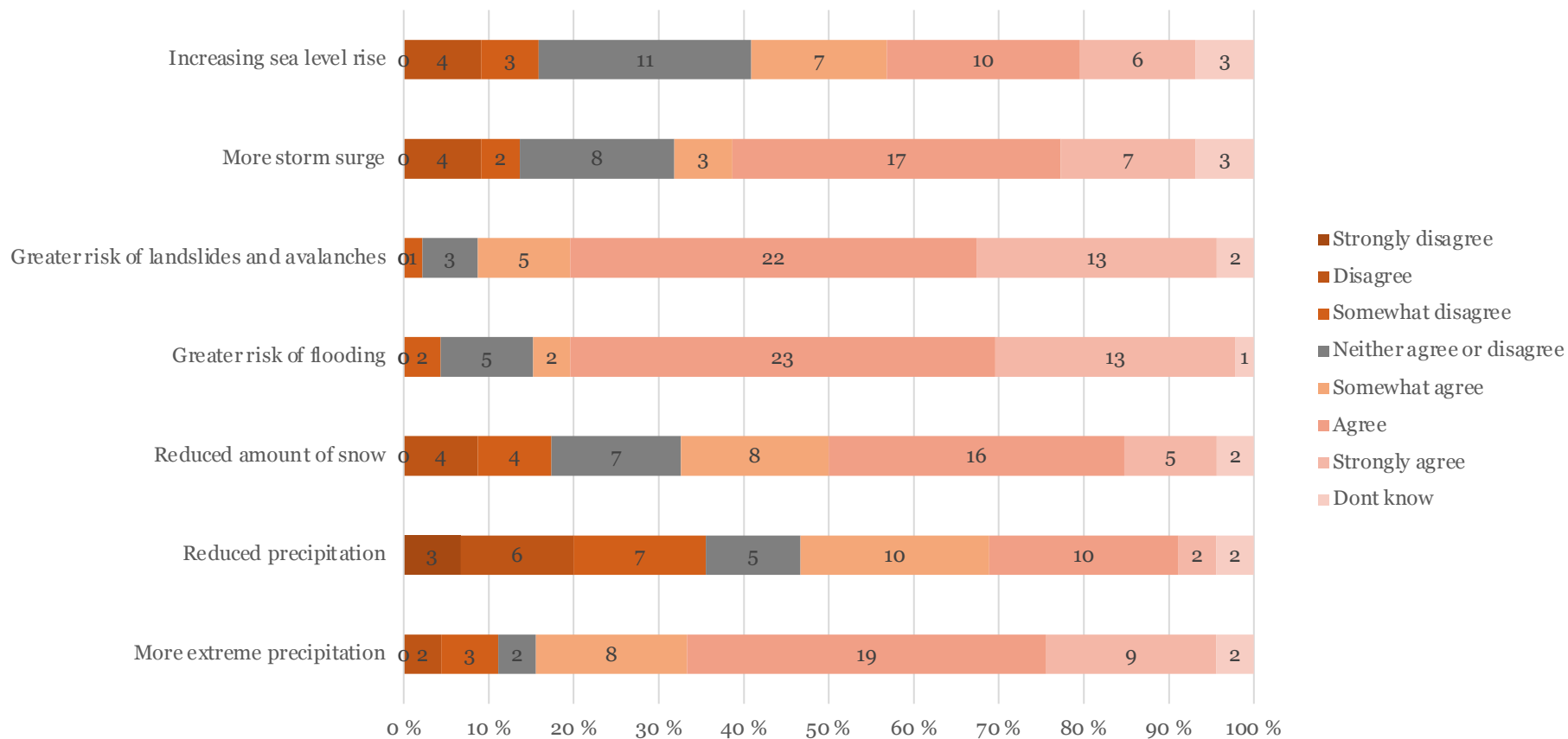
When do you think Norwegian society will seriously notice the negative consequences of climate change?



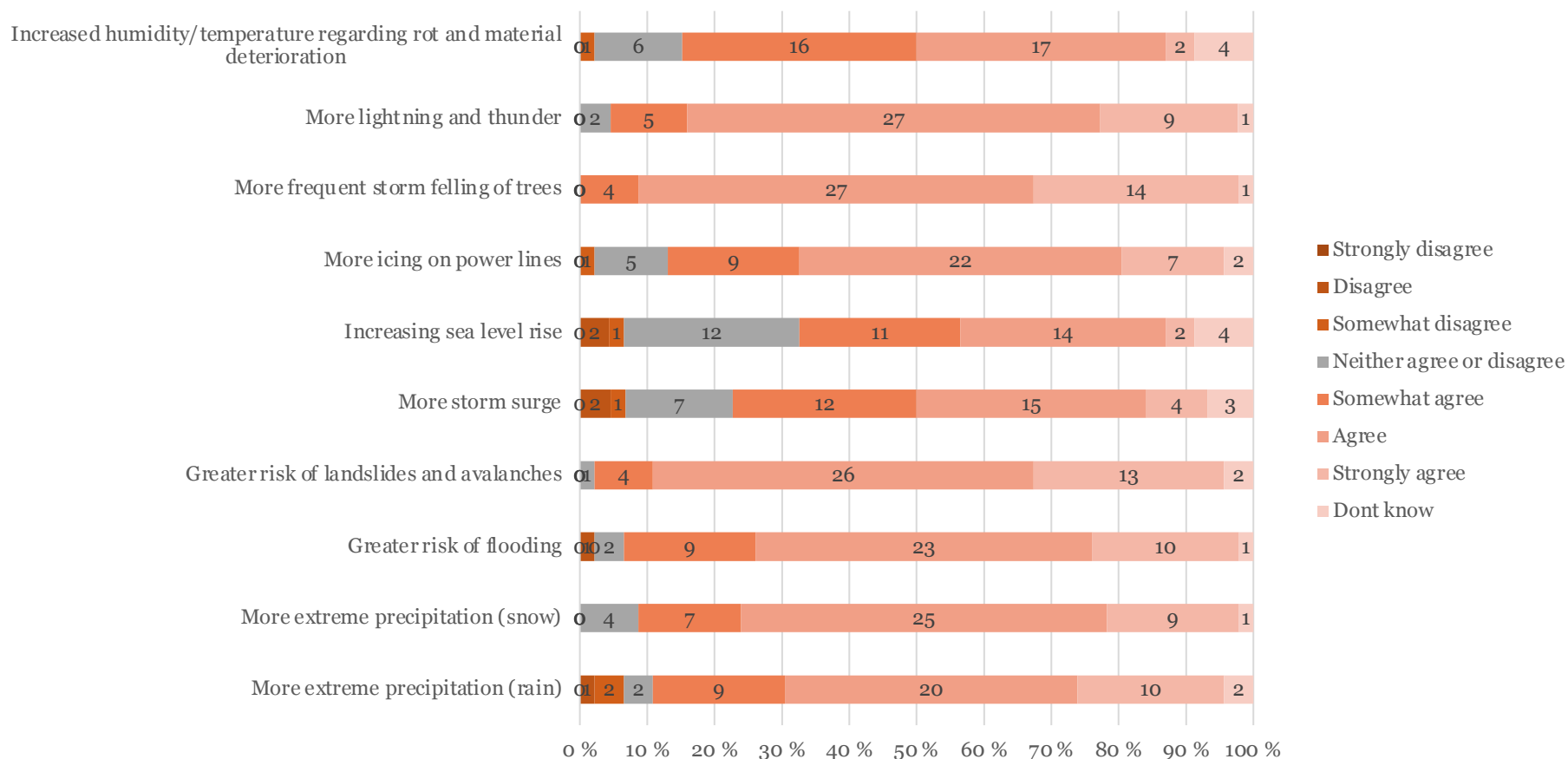
To what extent do you agree or disagree that climate change's consequences can positively affect the production, distribution and/or use of renewable energy in Norway?



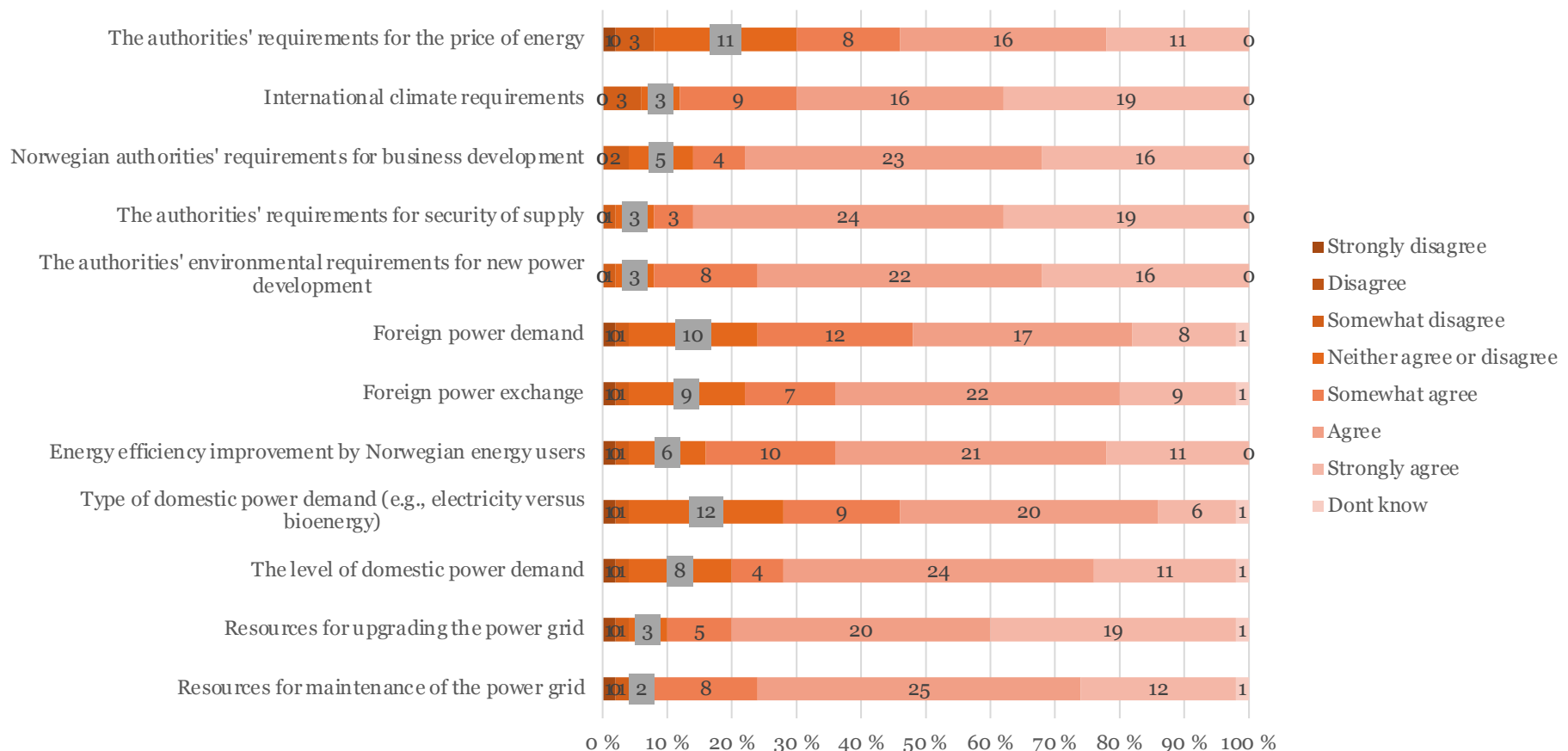
How much do you agree or disagree that the following climate factors can negatively affect renewable energy production in Norway?



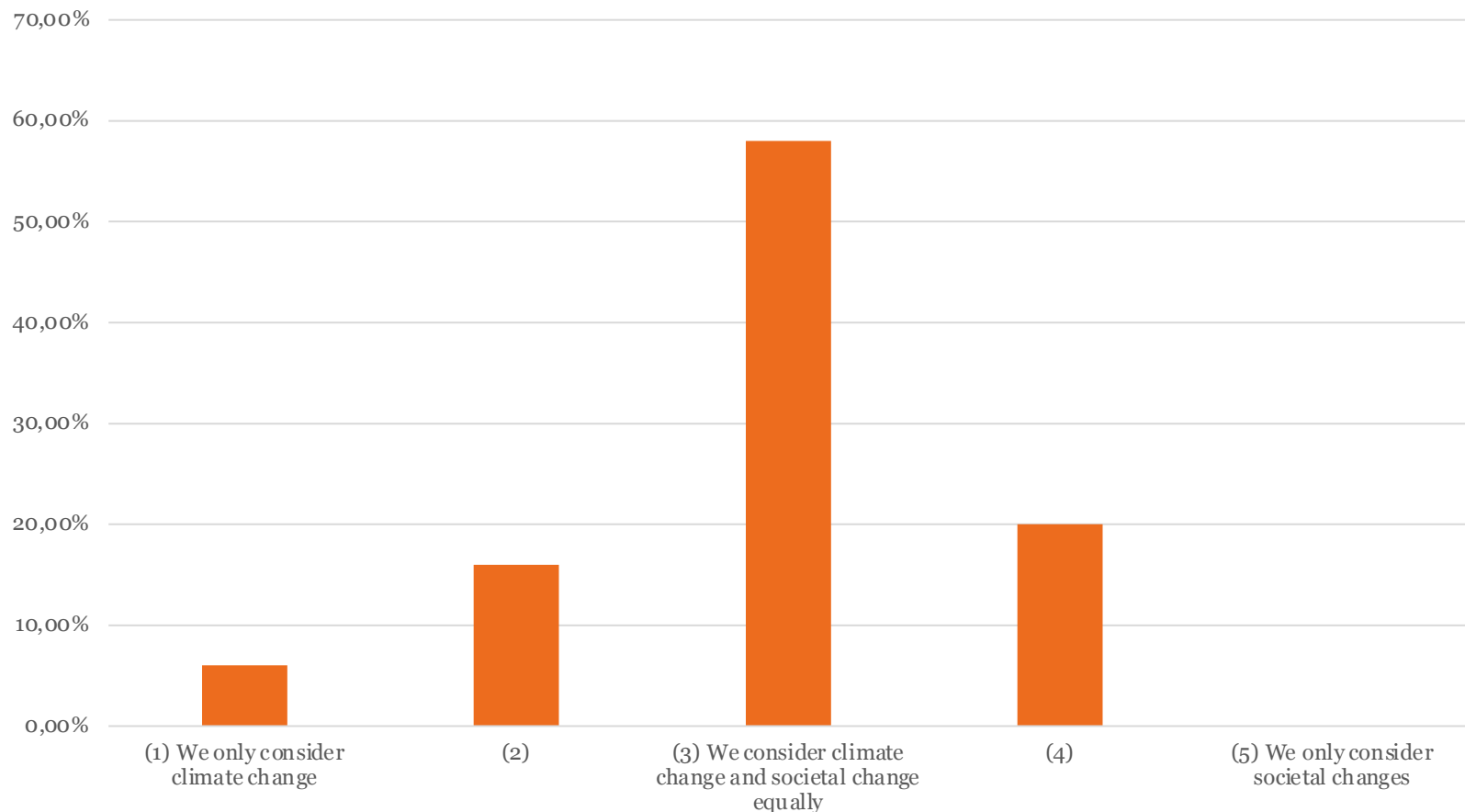
How much do you agree or disagree that the following climate factors can negatively affect the distribution of renewable energy in Norway?



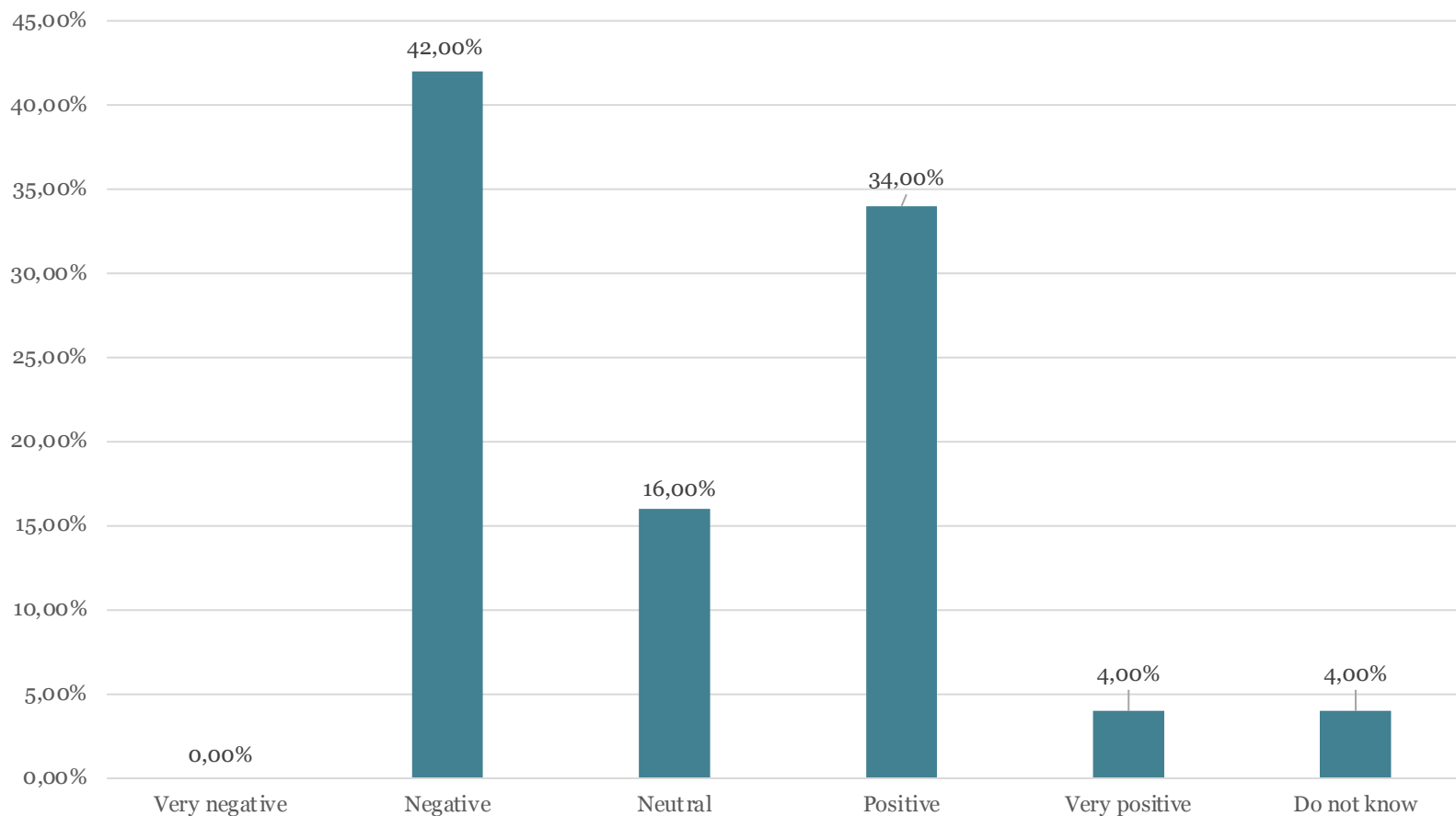
How much do you agree or disagree that the following social factors are essential to understand the consequences of climate change on the production and/or distribution of renewable energy?



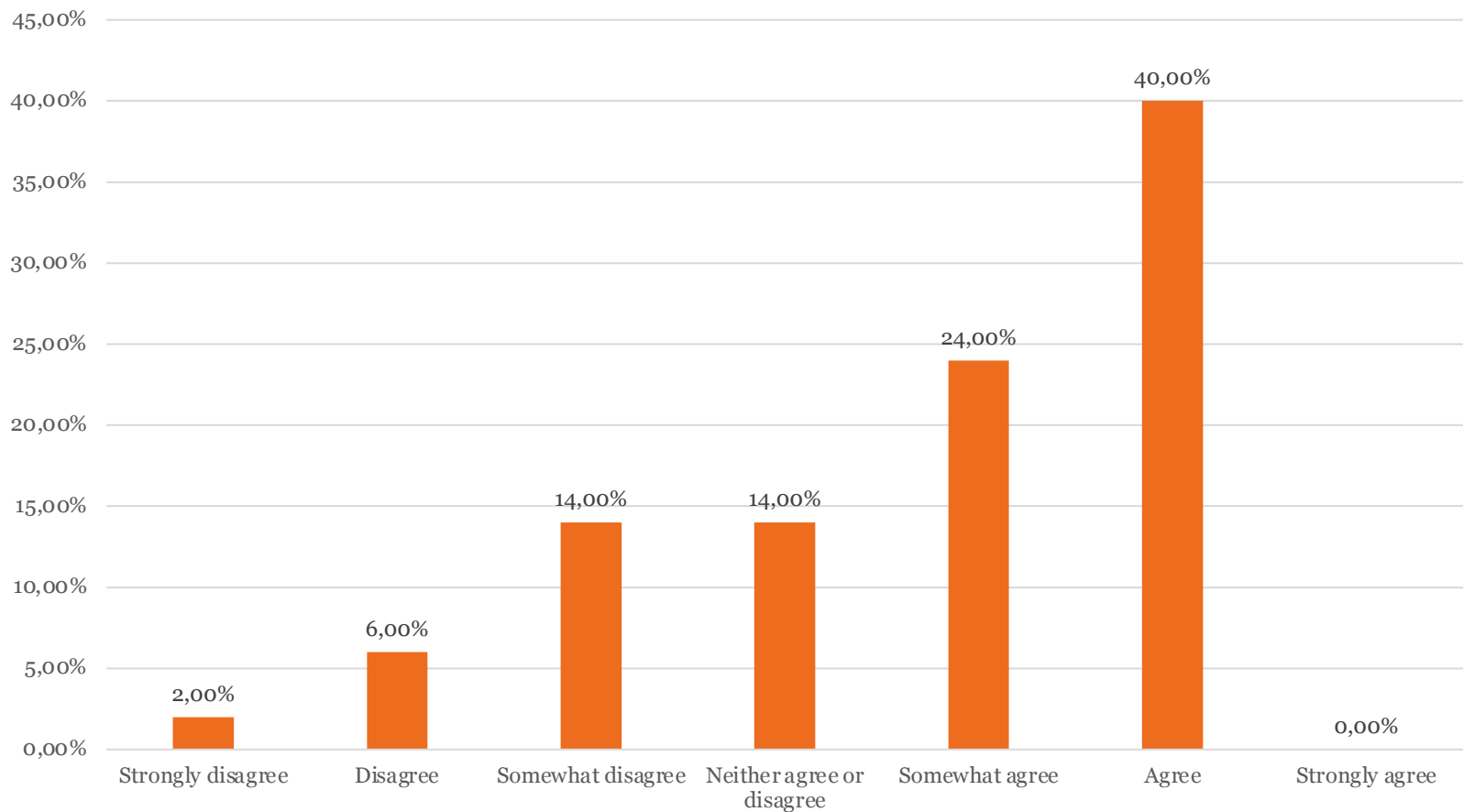
How much weight do you attach to assessing societal factors compared to considering climate factors when evaluating the consequences of climate change on the production and/or distribution of renewable energy?



What do you think the overall consequences of climate change will be for the production and distribution of renewable energy in Norway in the future? The overall effect will probably be:



How much do you agree or disagree that the company is doing enough to reduce the consequences of climate change?





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