

BUSINESS INDEX NORTH

A periodic report with insight to business activity and opportunities in the Arctic

BIN press conference Bodø, April 3rd 2019.



Photo: TreeHotel

BIN Area

3,6 million People

950 Billion NOK Business Turnover



BIN Partners

Implementing



BUSINESS SCHOOL
HIGH NORTH CENTER FOR BUSINESS AND GOVERNANCE



Strategic



CHNL CENTRE FOR
HIGH NORTH LOGISTICS



Akvaplan
niva



Funding



Norwegian Ministry
of Foreign Affairs

BUSINESS INDEX NORTH

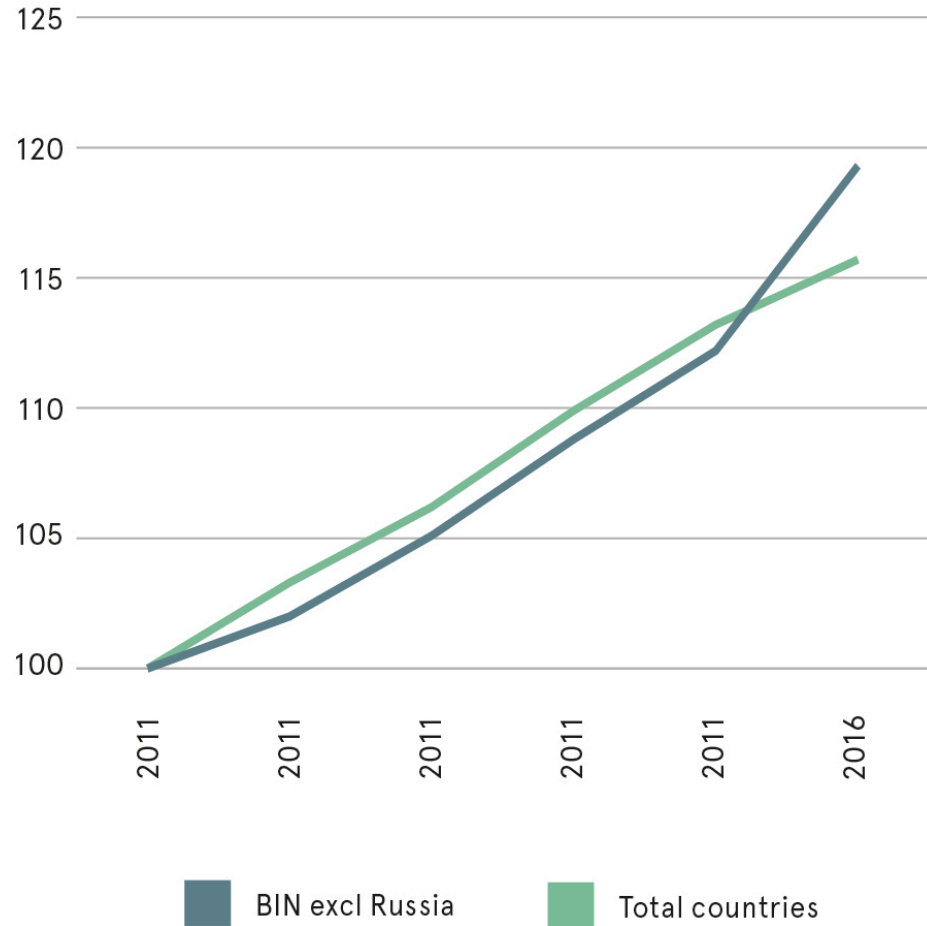


Business

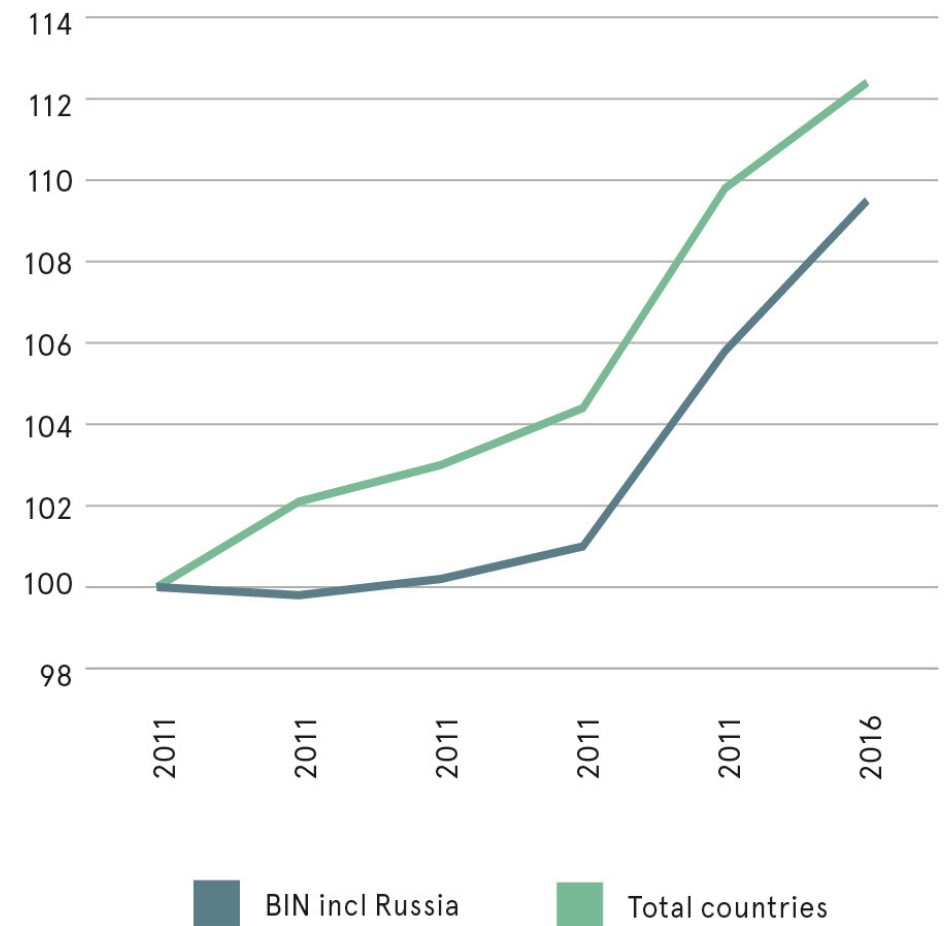


Photo: Momek Group

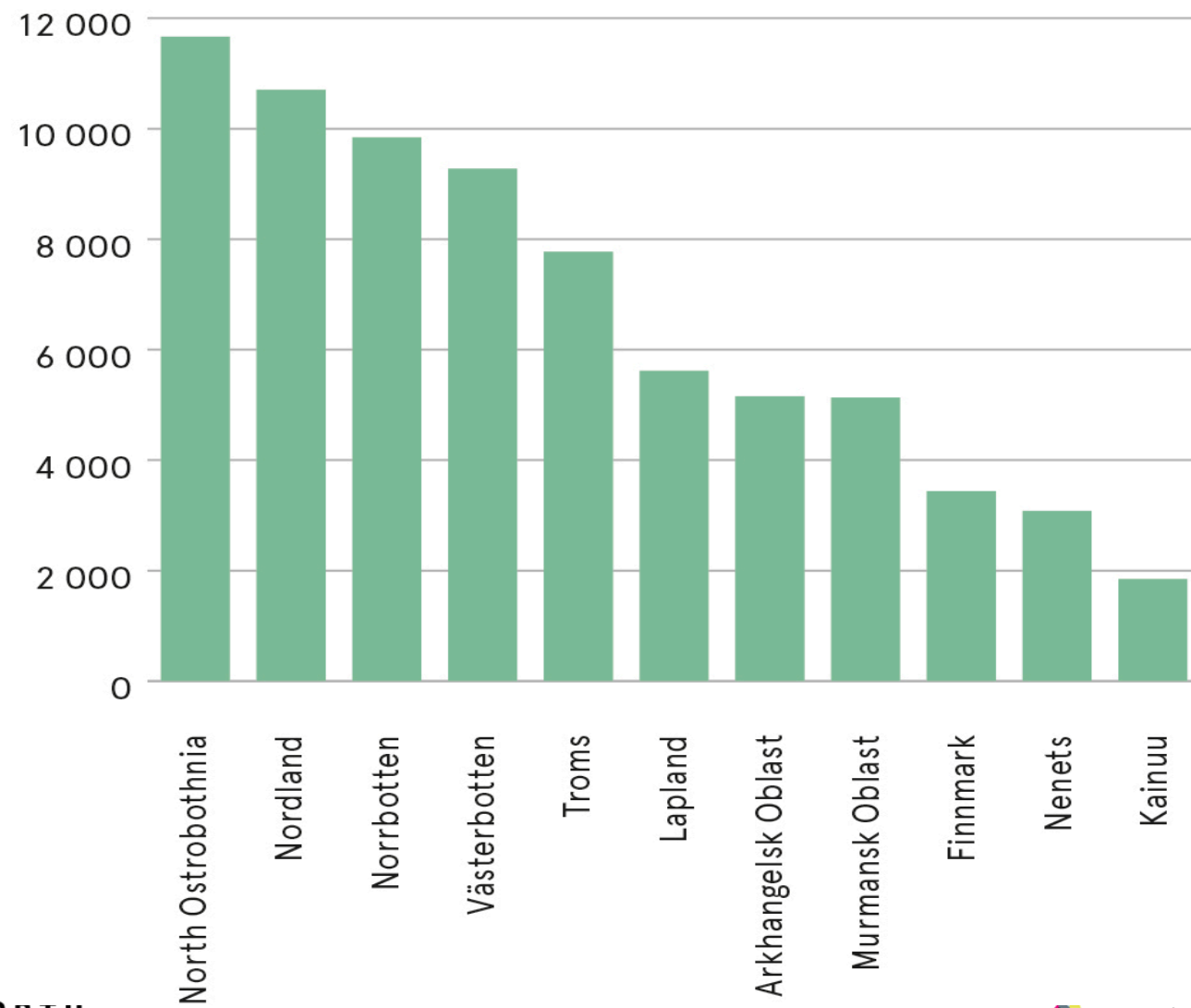
Index GVA BIN excl Russia



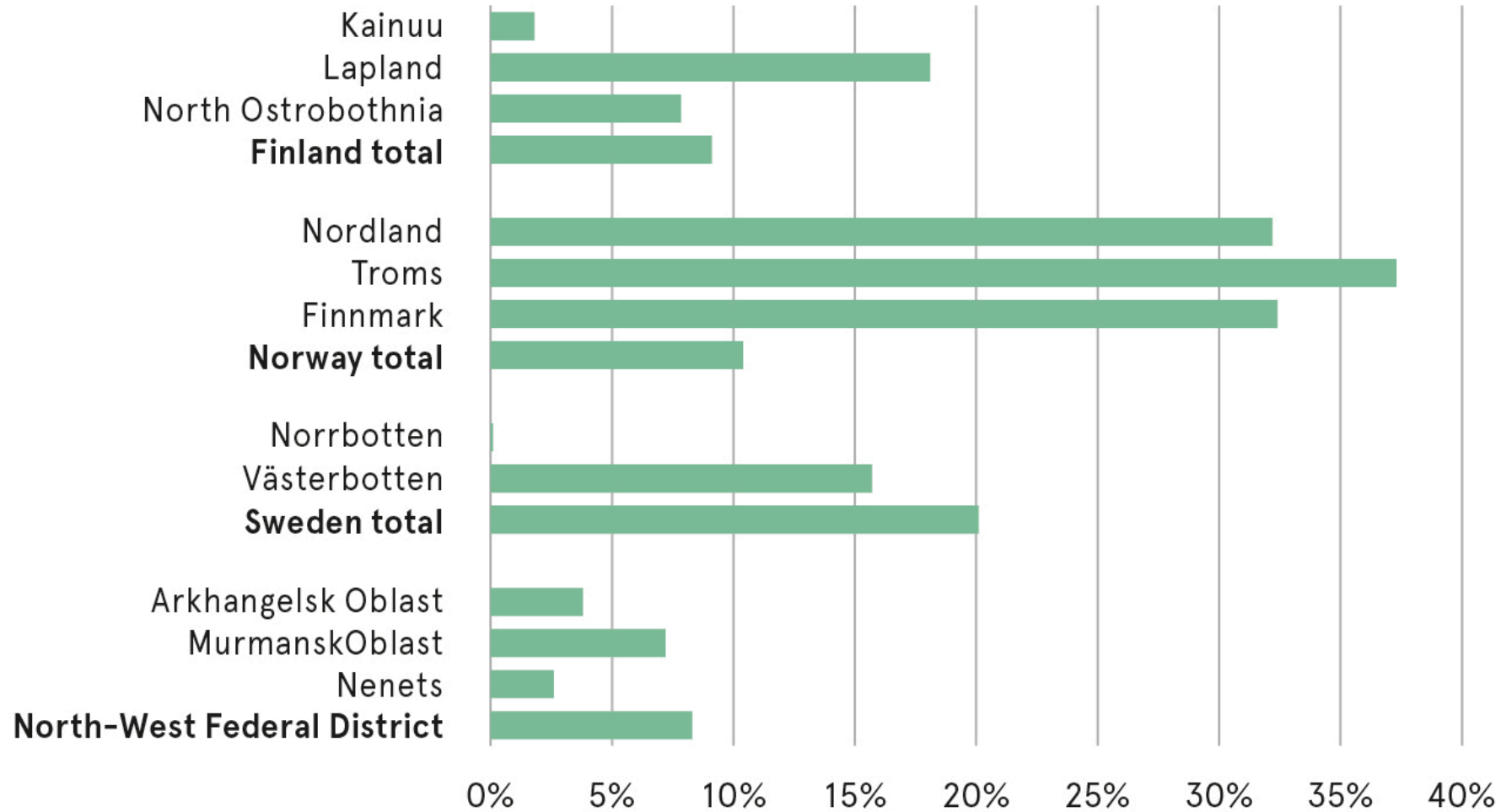
Index GVA BIN incl Russia



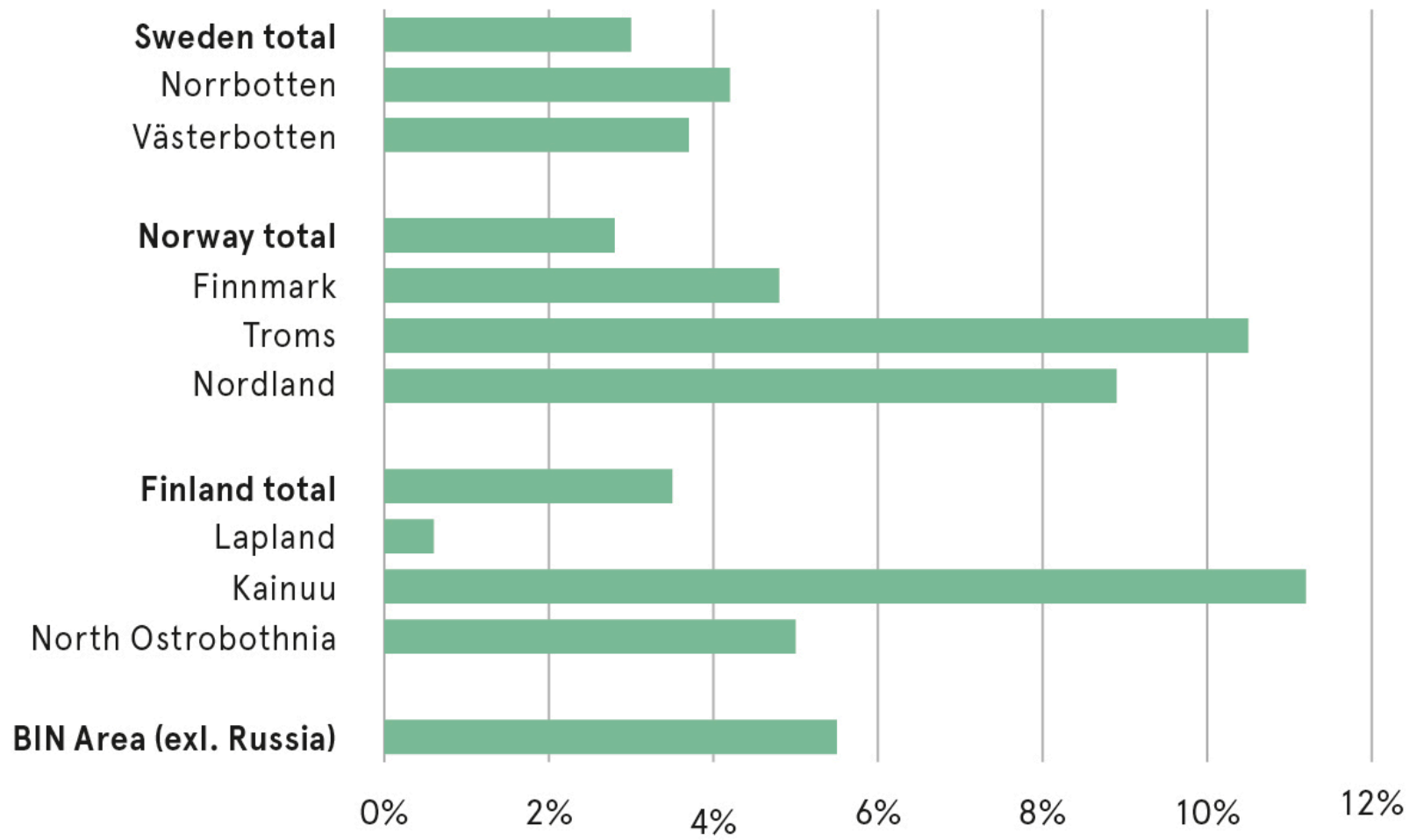
Total GVA 2016



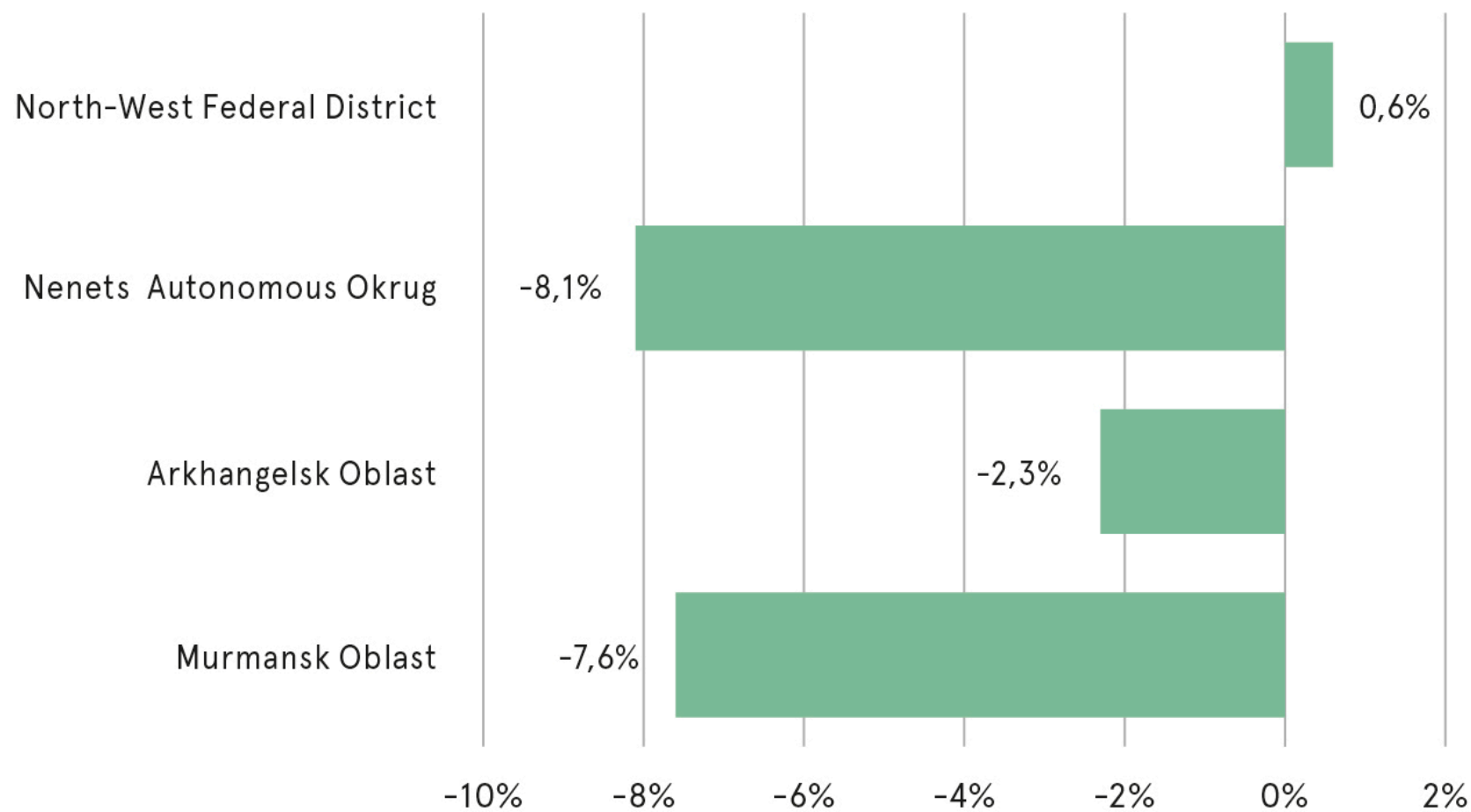
Growth in GVA per region, %, 2011-2016



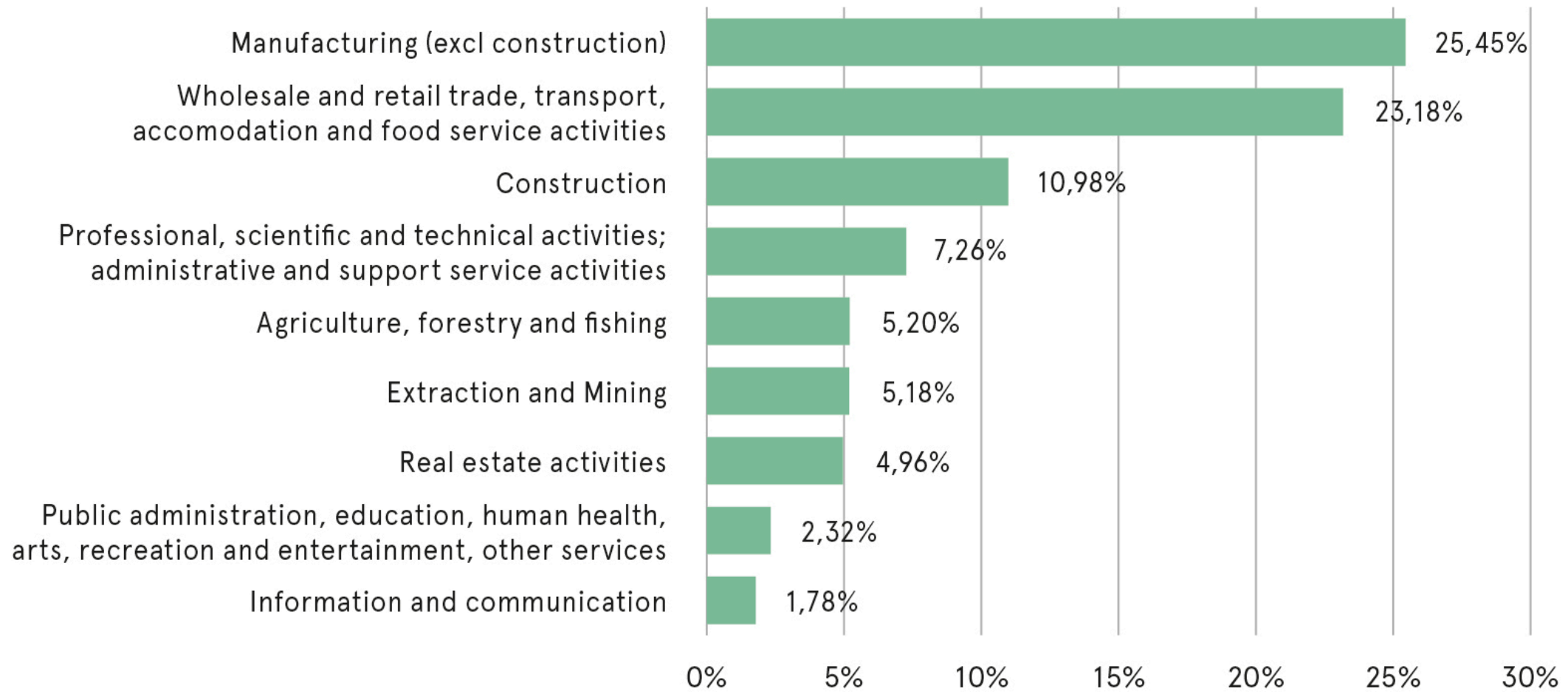
Annual average turnover growth, in EUR, 2015-2018



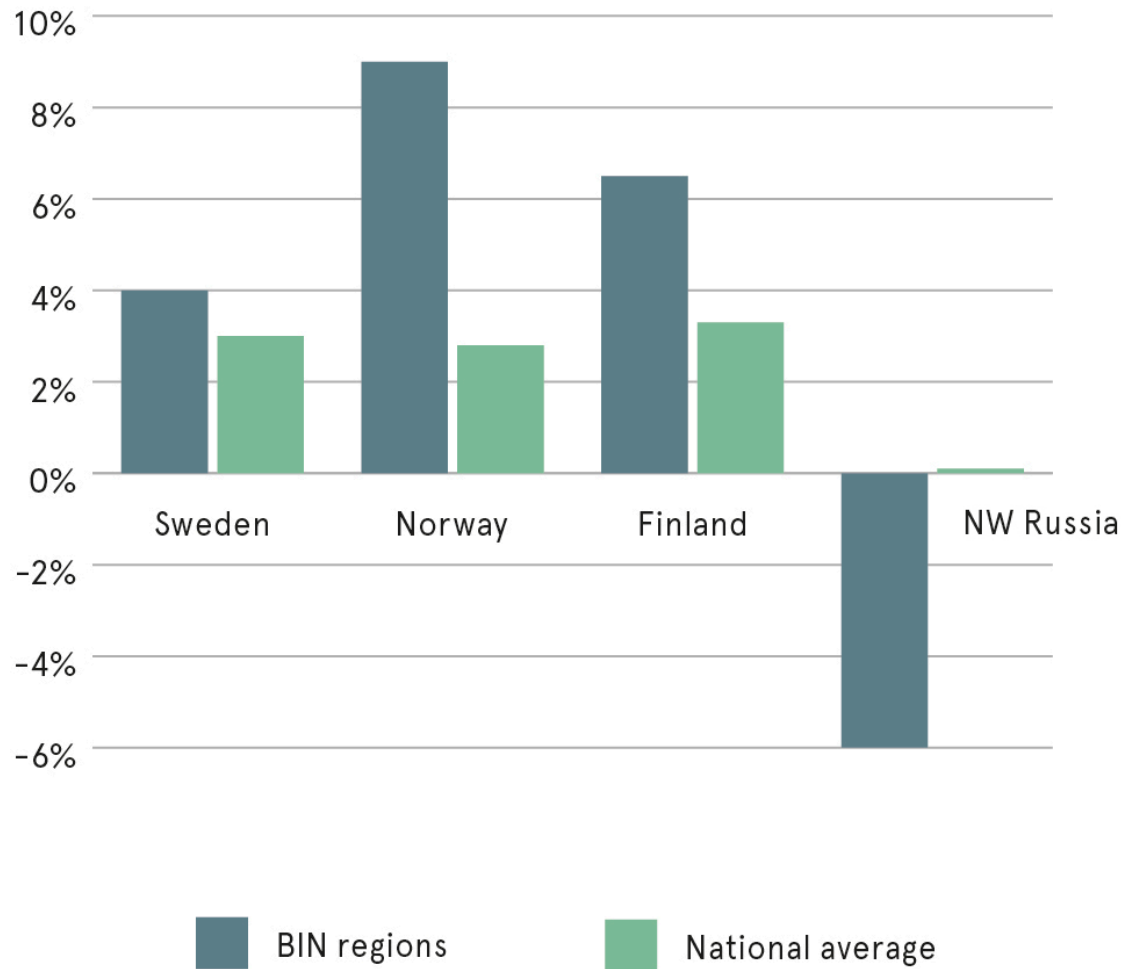
Annual average turnover growth, in EUR, 2015-2018



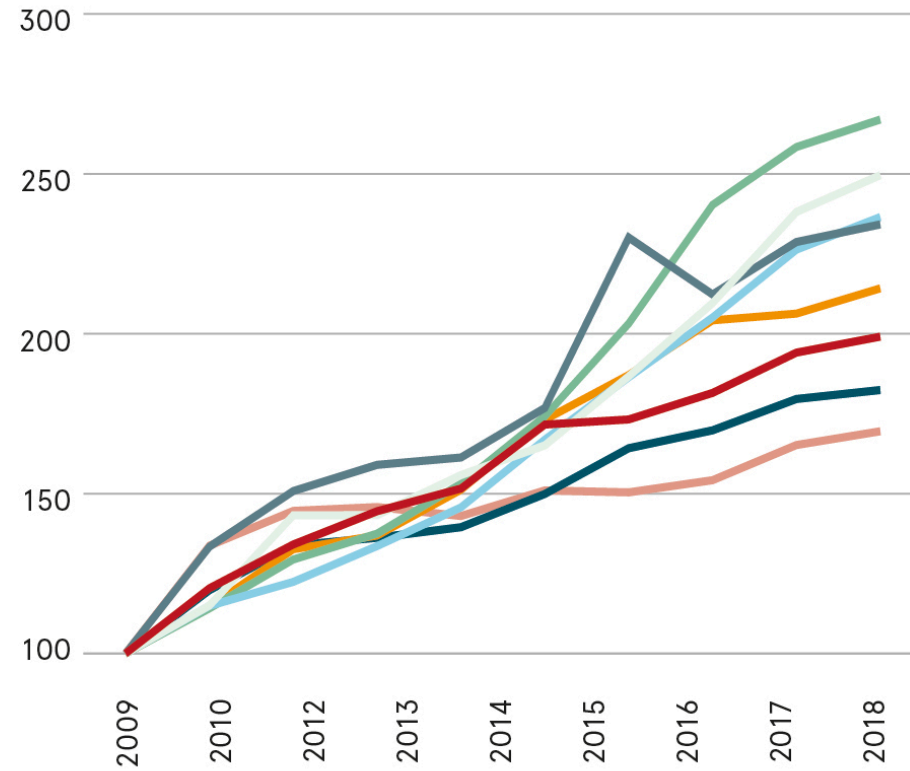
Annual average turnover growth, in EUR, %, 2015-2018



Annual average growth in turnover in BIN regions vs country total, 2015-2018

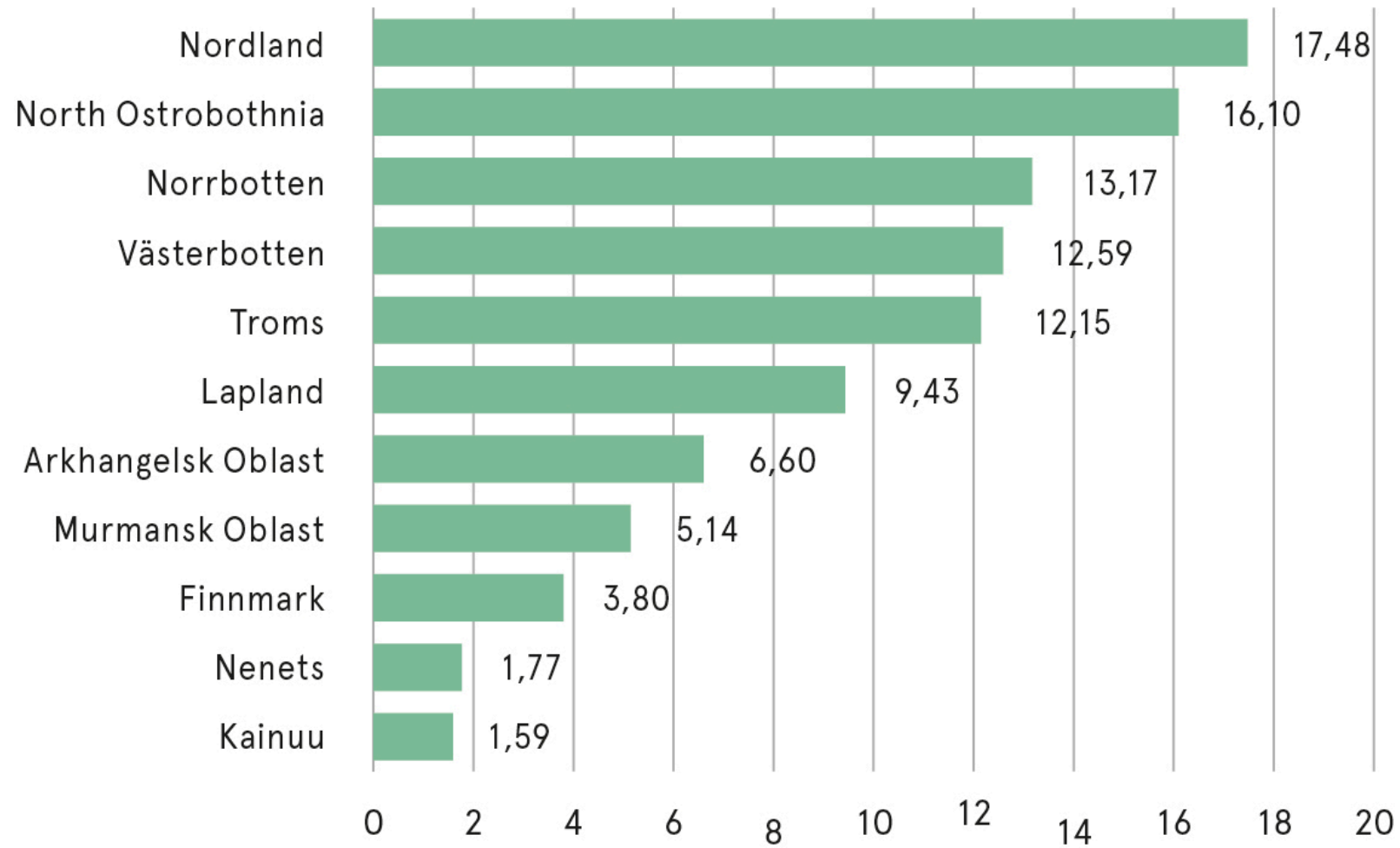


Growth in turnover as index of national currencies, 2009-2018

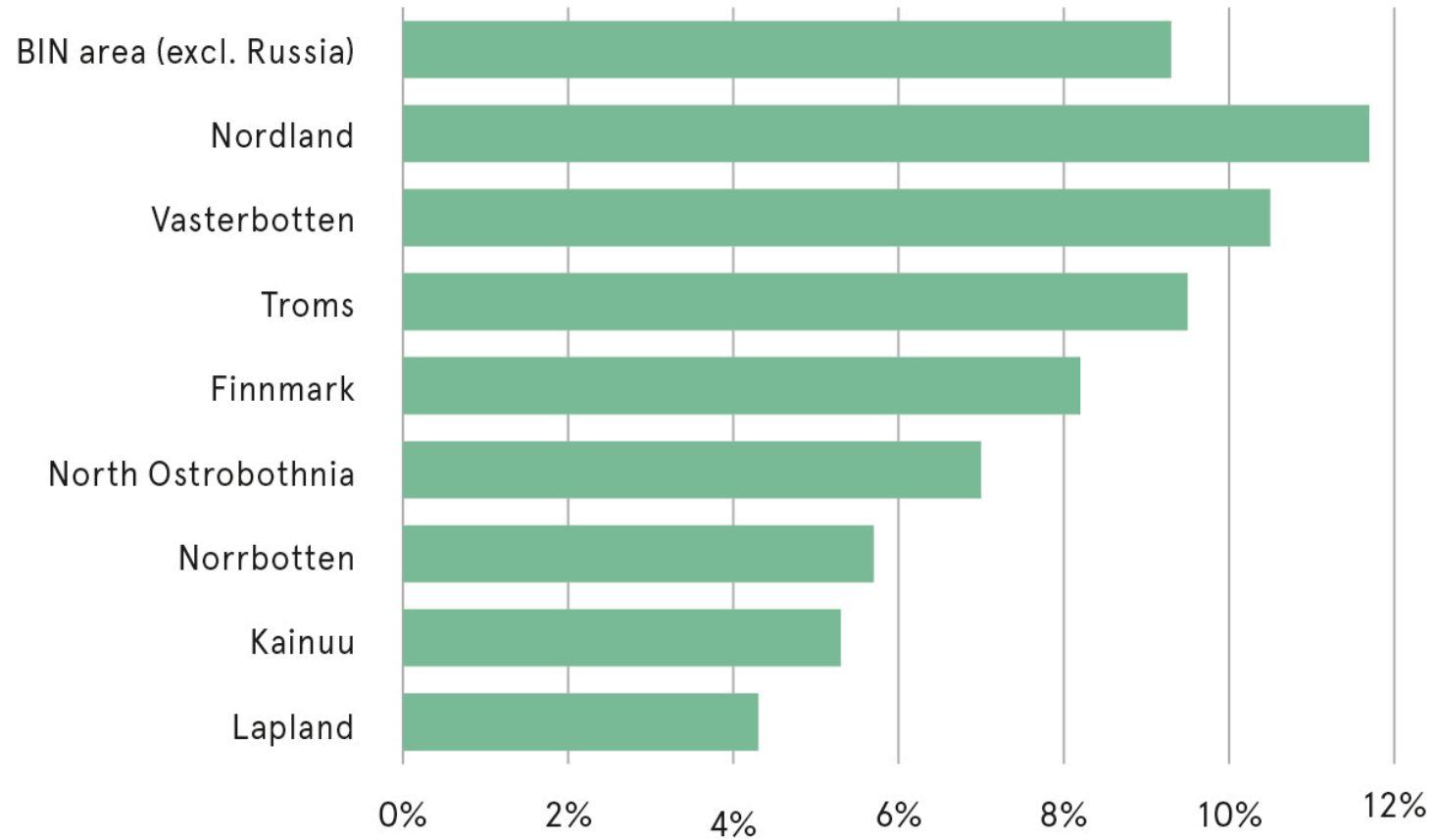


- Kainuu
- North Ostrobothnia
- Nordland
- Lapland
- Vasterbotten
- Finnmark
- Kainuu
- Norrbotten

Turnover, billion EUR, 2018



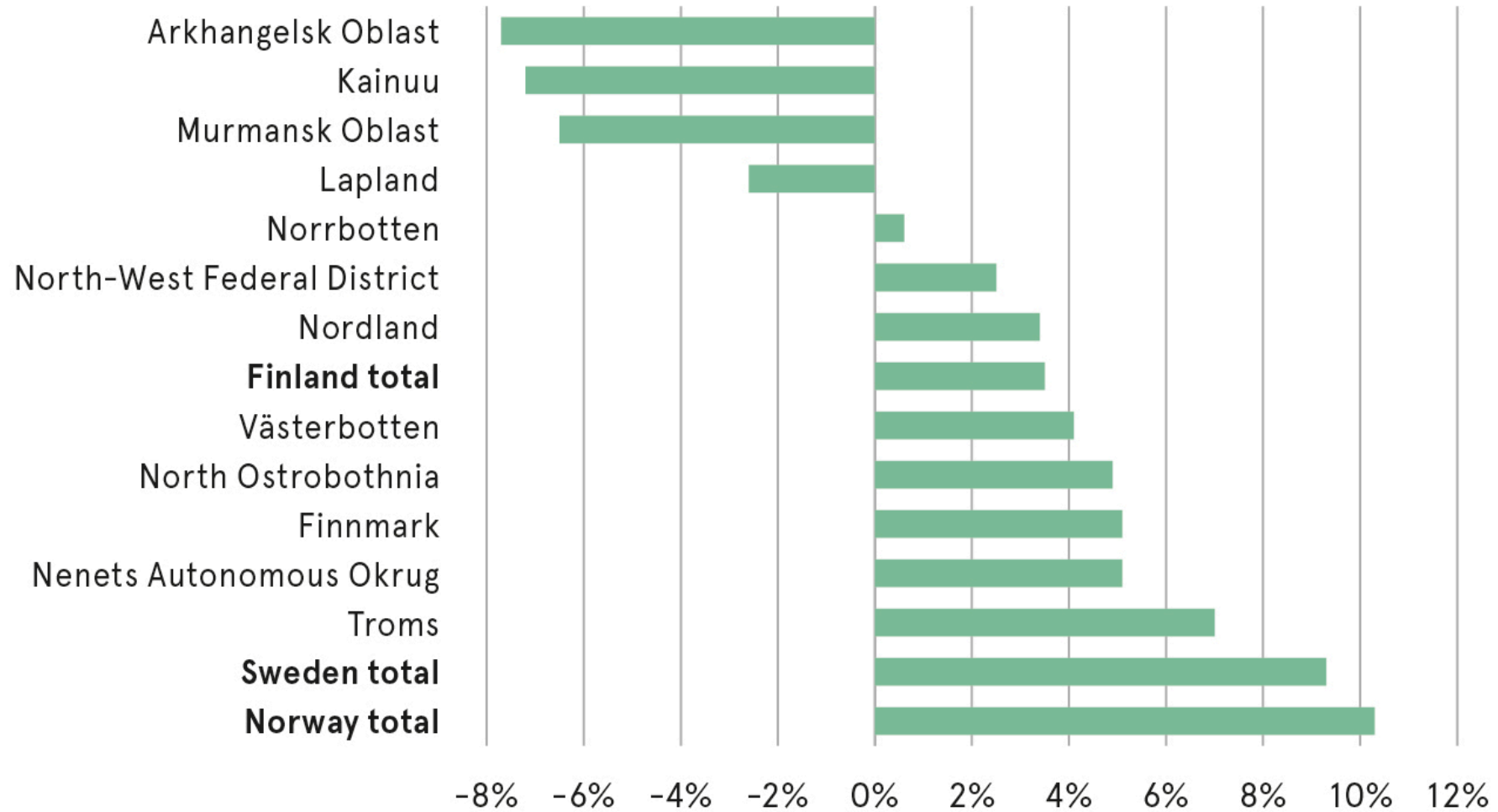
Operational profit/loss, % of turnover, 2017



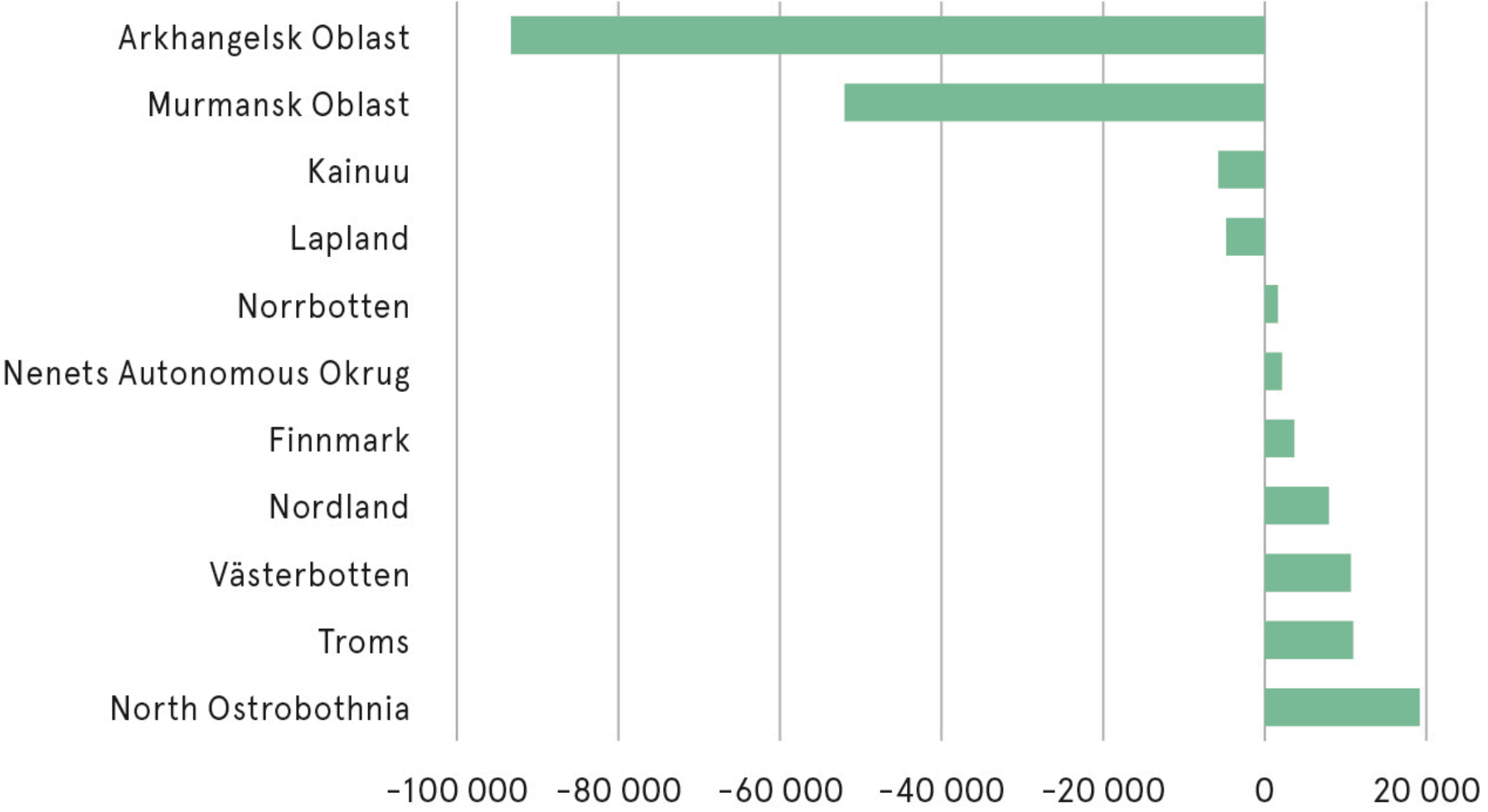
PEOPLE



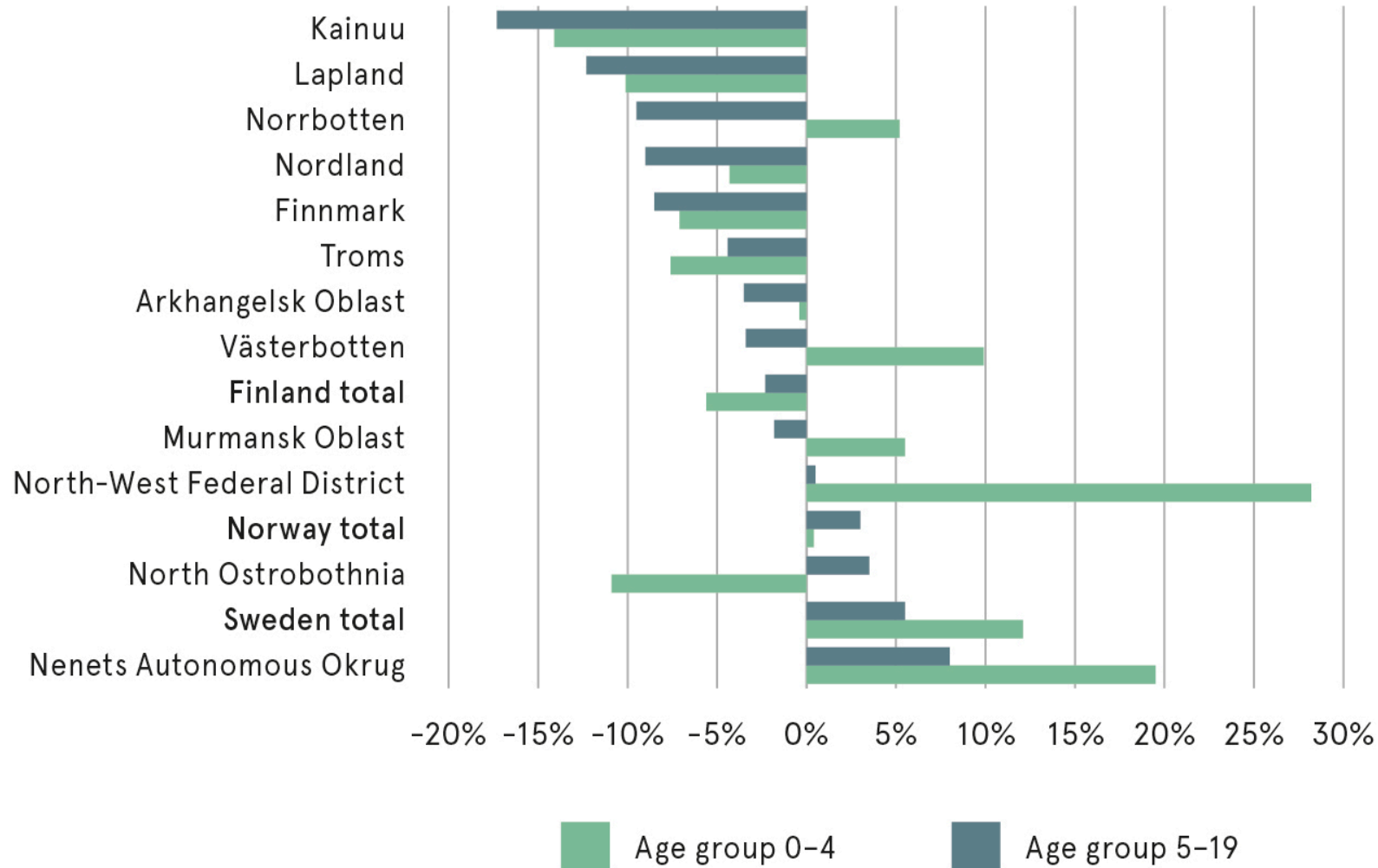
Change in total population in the BIN area, %, 2008–2017



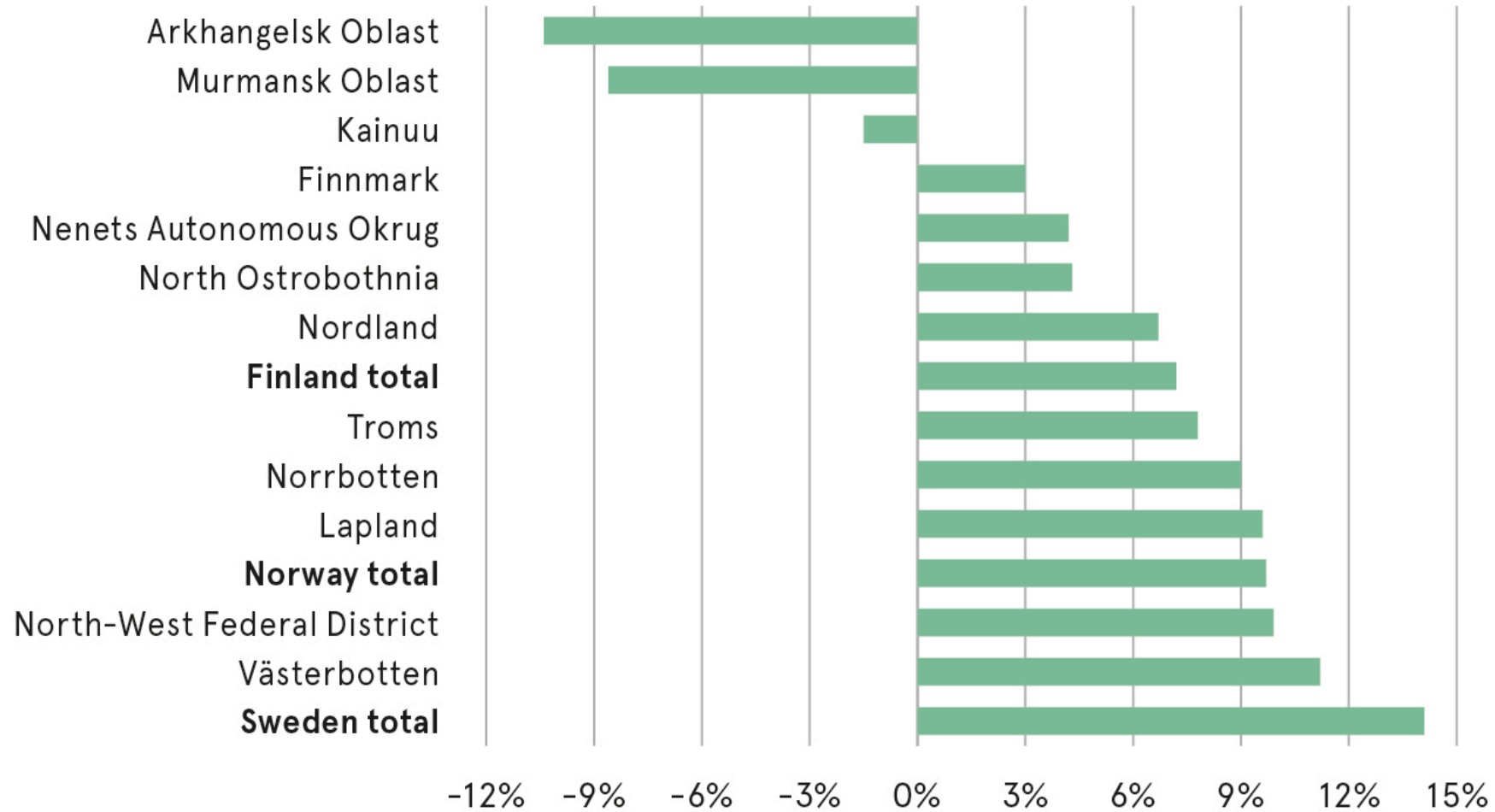
Change in population in the BIN area in absolute numbers, 2008–2017



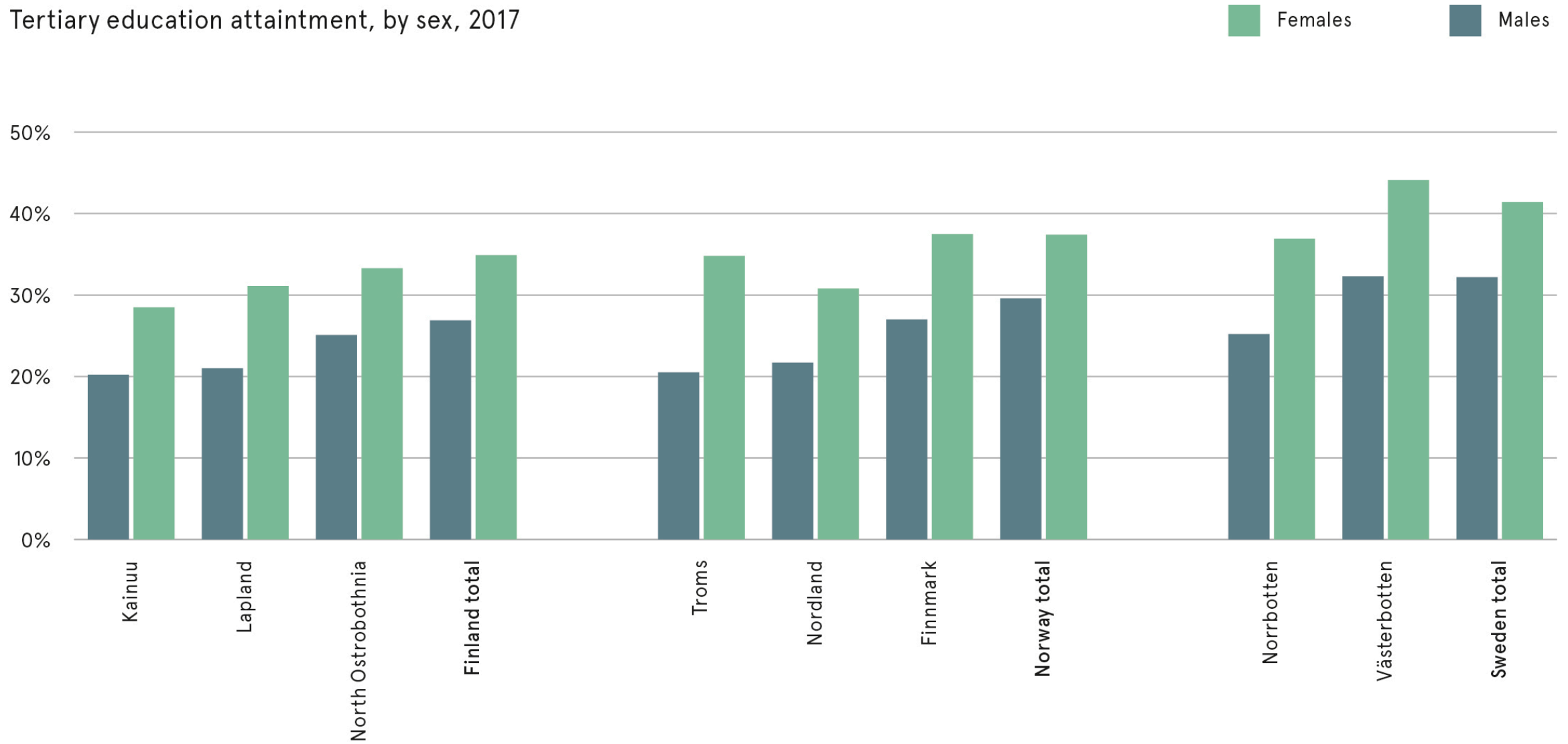
Change in youth population in the BIN area, age group 0–4 and 5–19 year olds, %, 2008–2017



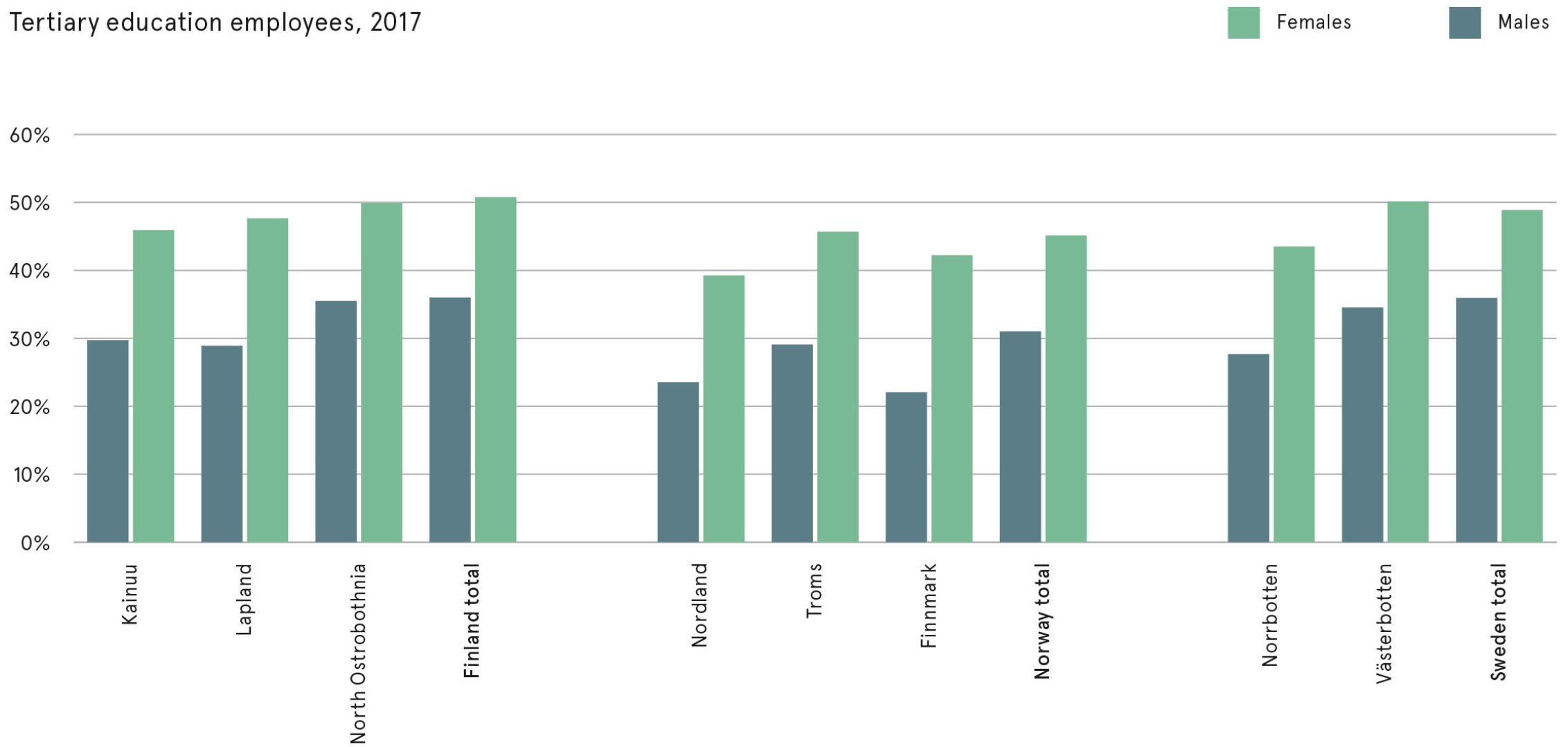
Change in population aged 20-39 in the BIN area, %, 2008-2017



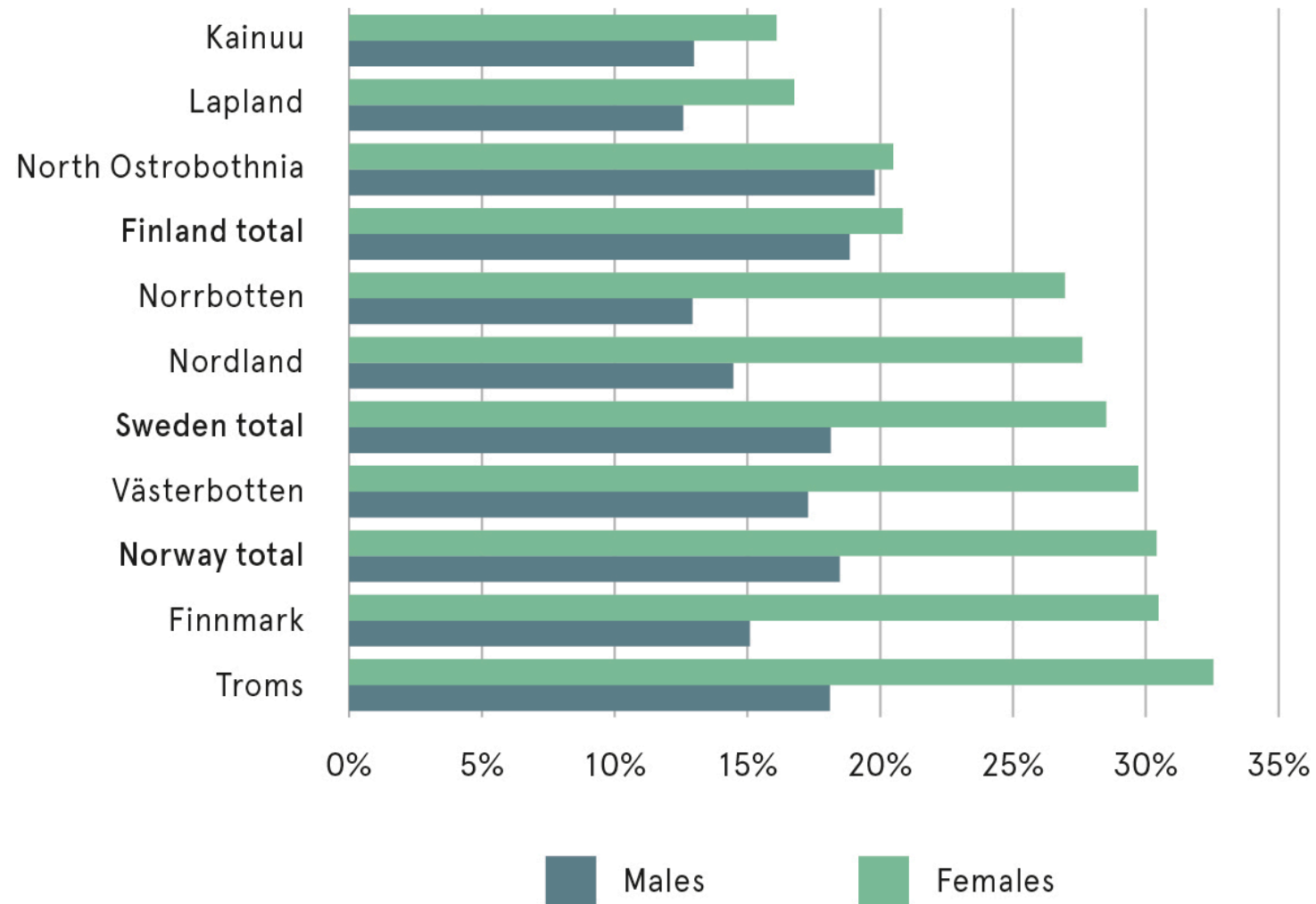
Tertiary education attainment, by sex, 2017



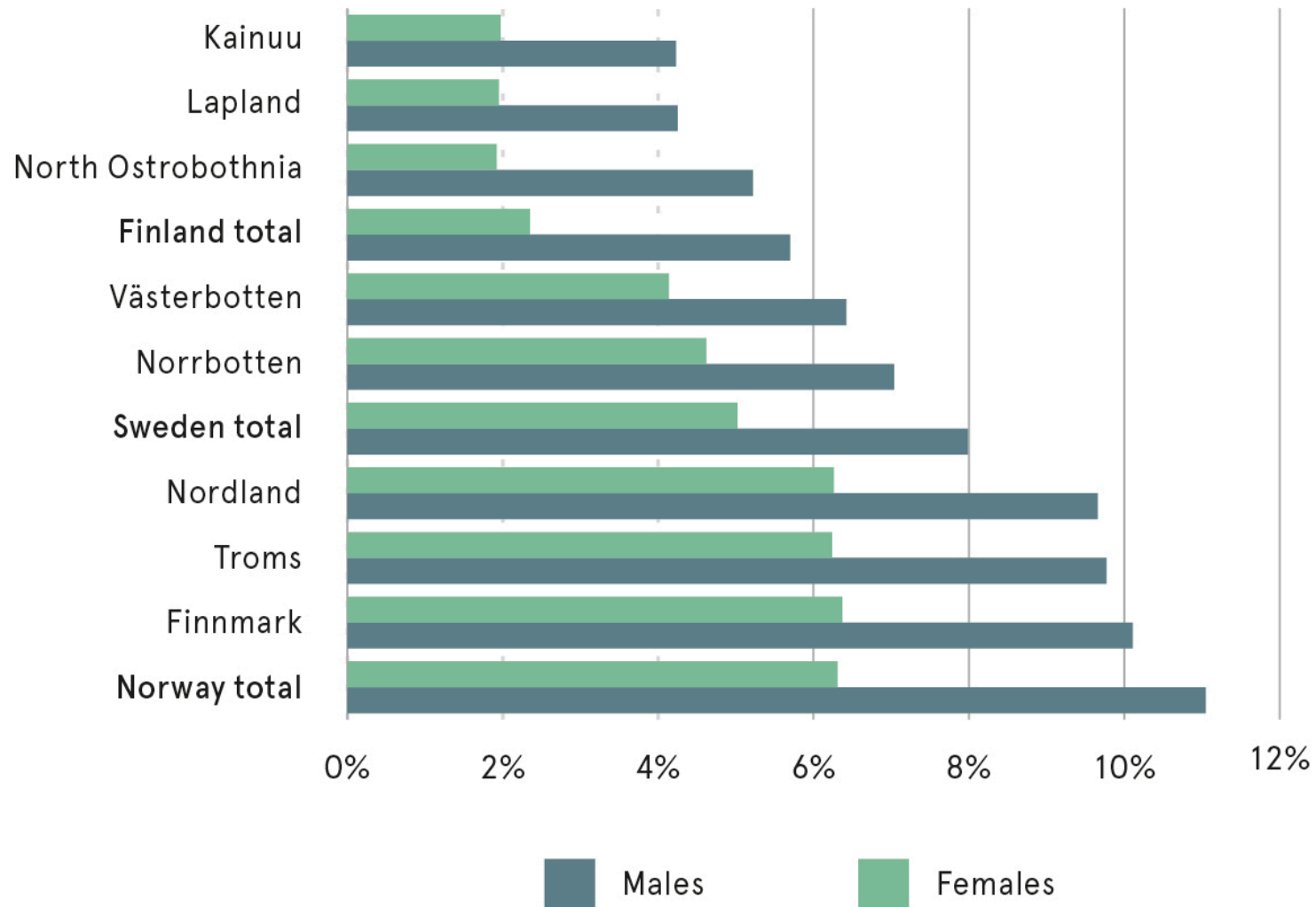
Tertiary education employees, 2017



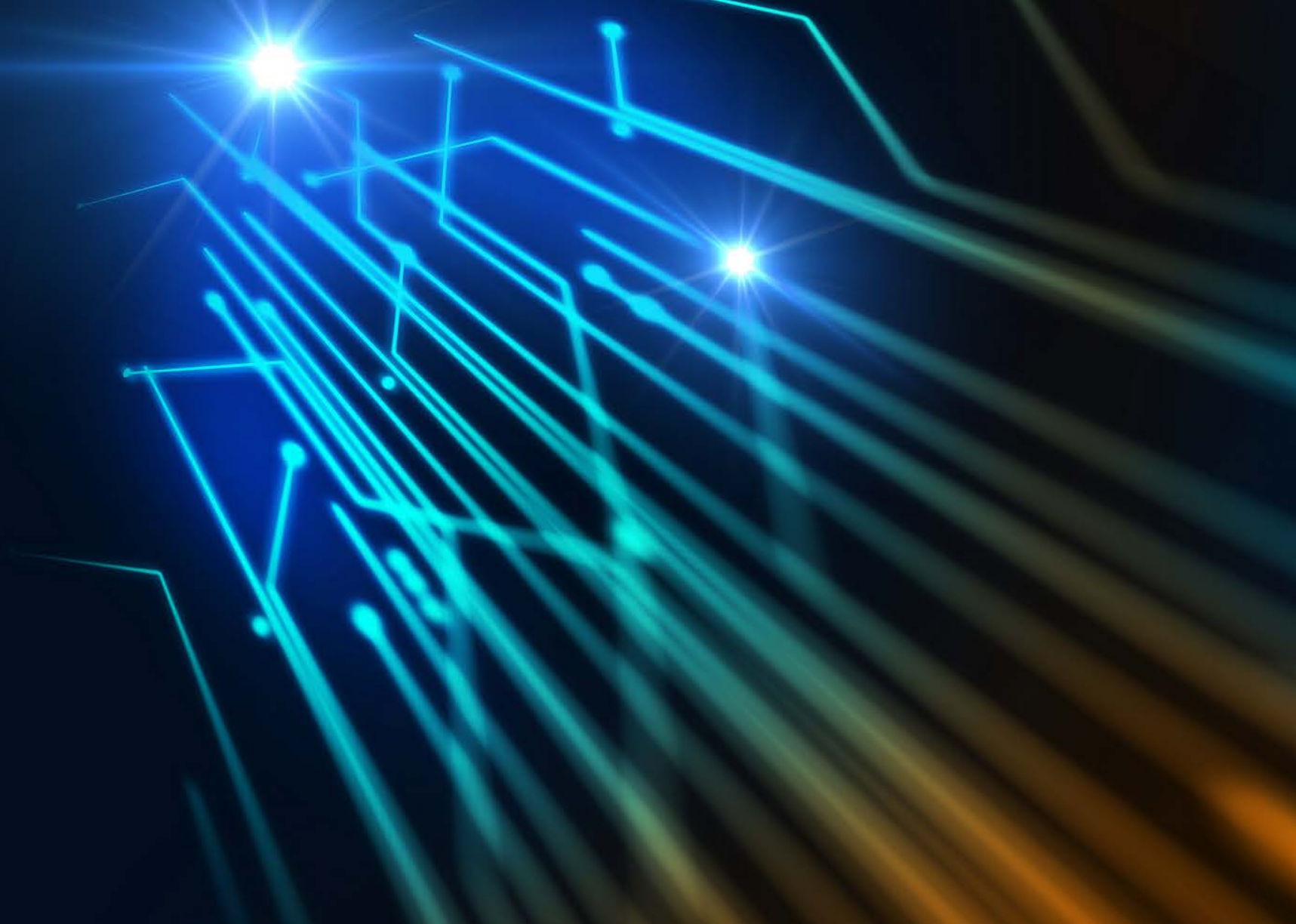
Professionals, % of employees, by sex, 2016



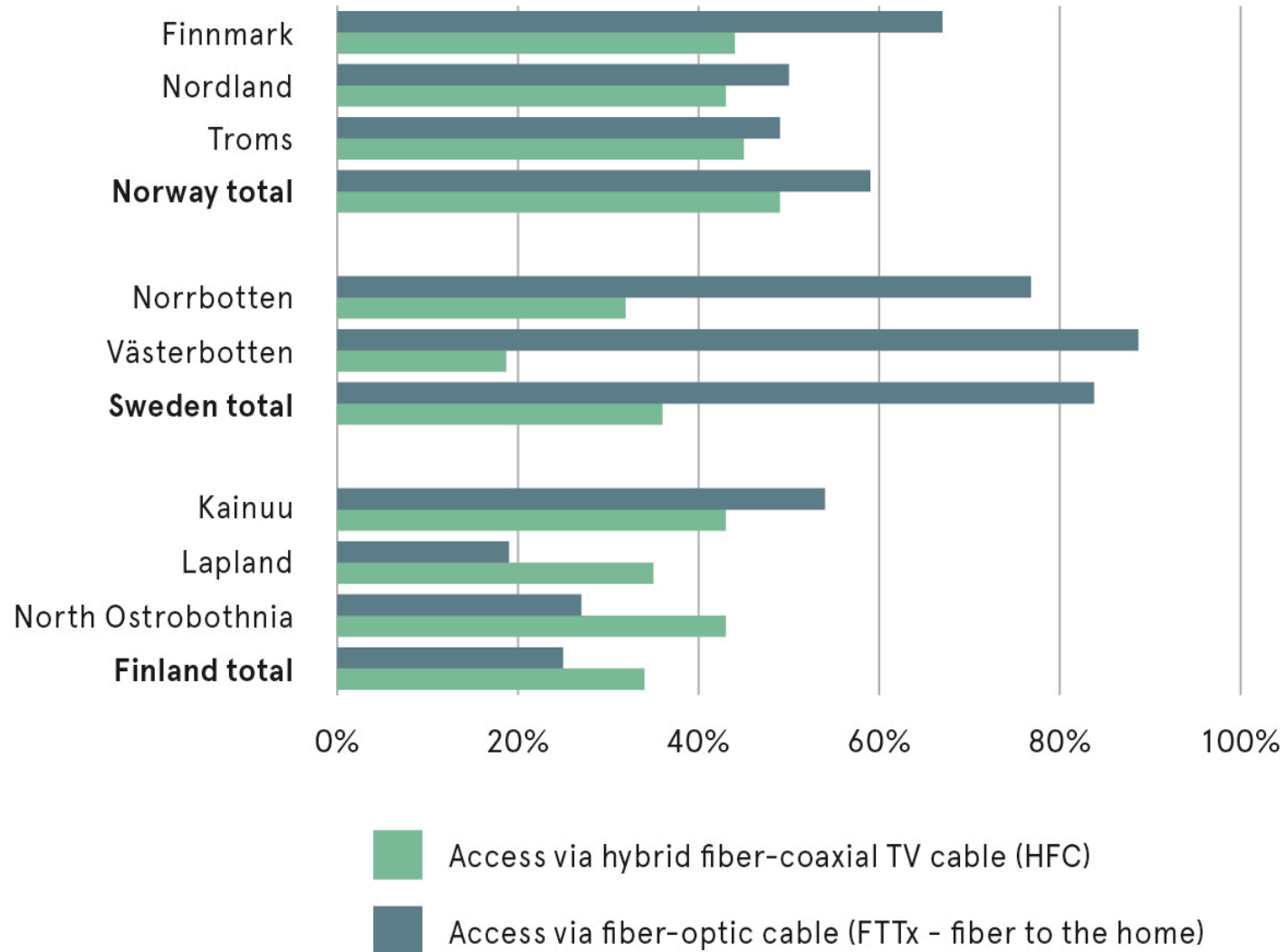
Managers, % of employees, by sex, 2016



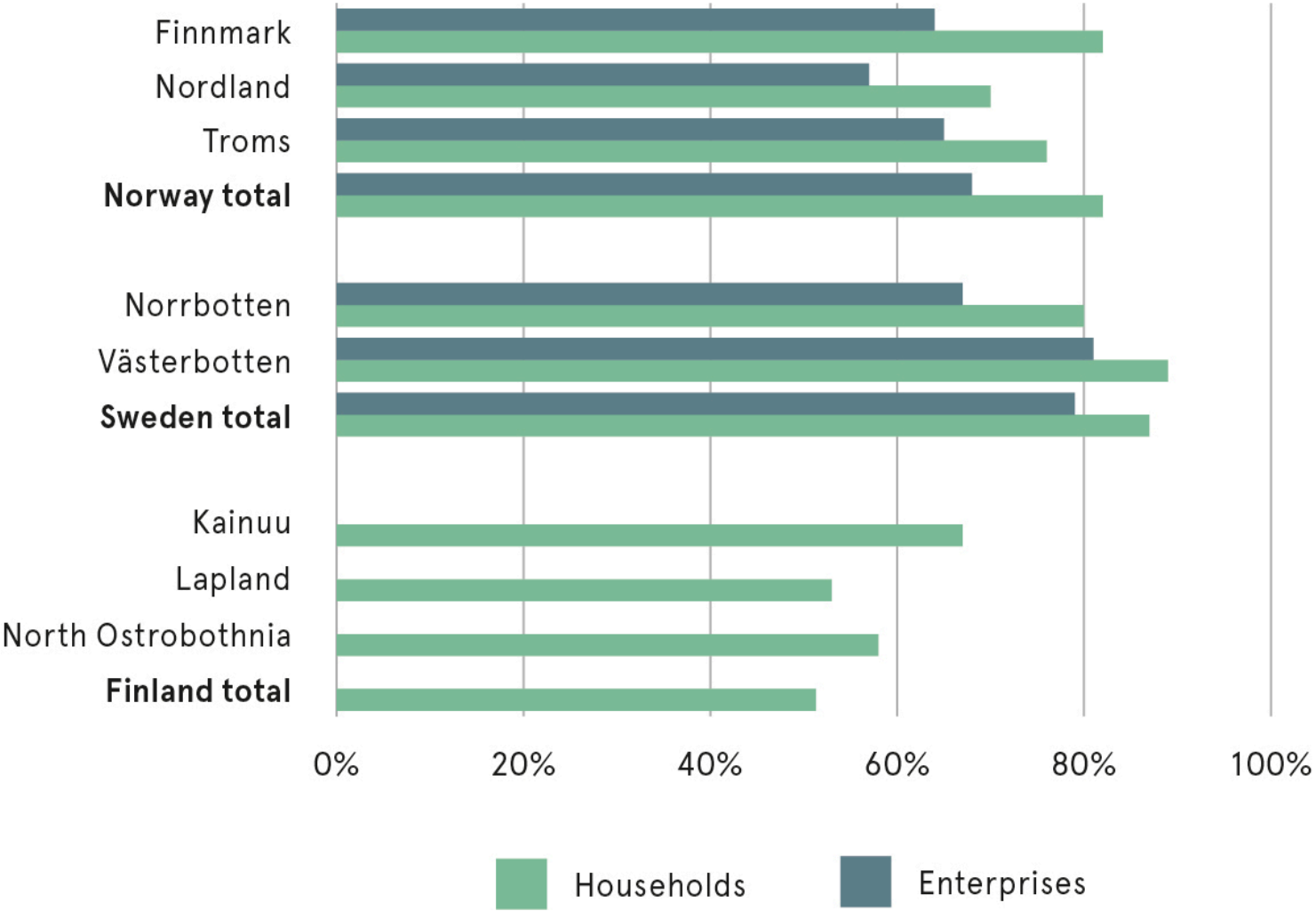
Digital infrastructure



Digital infrastructure readiness for very high-speed broadband 1GB +, % of households, 2017-2018



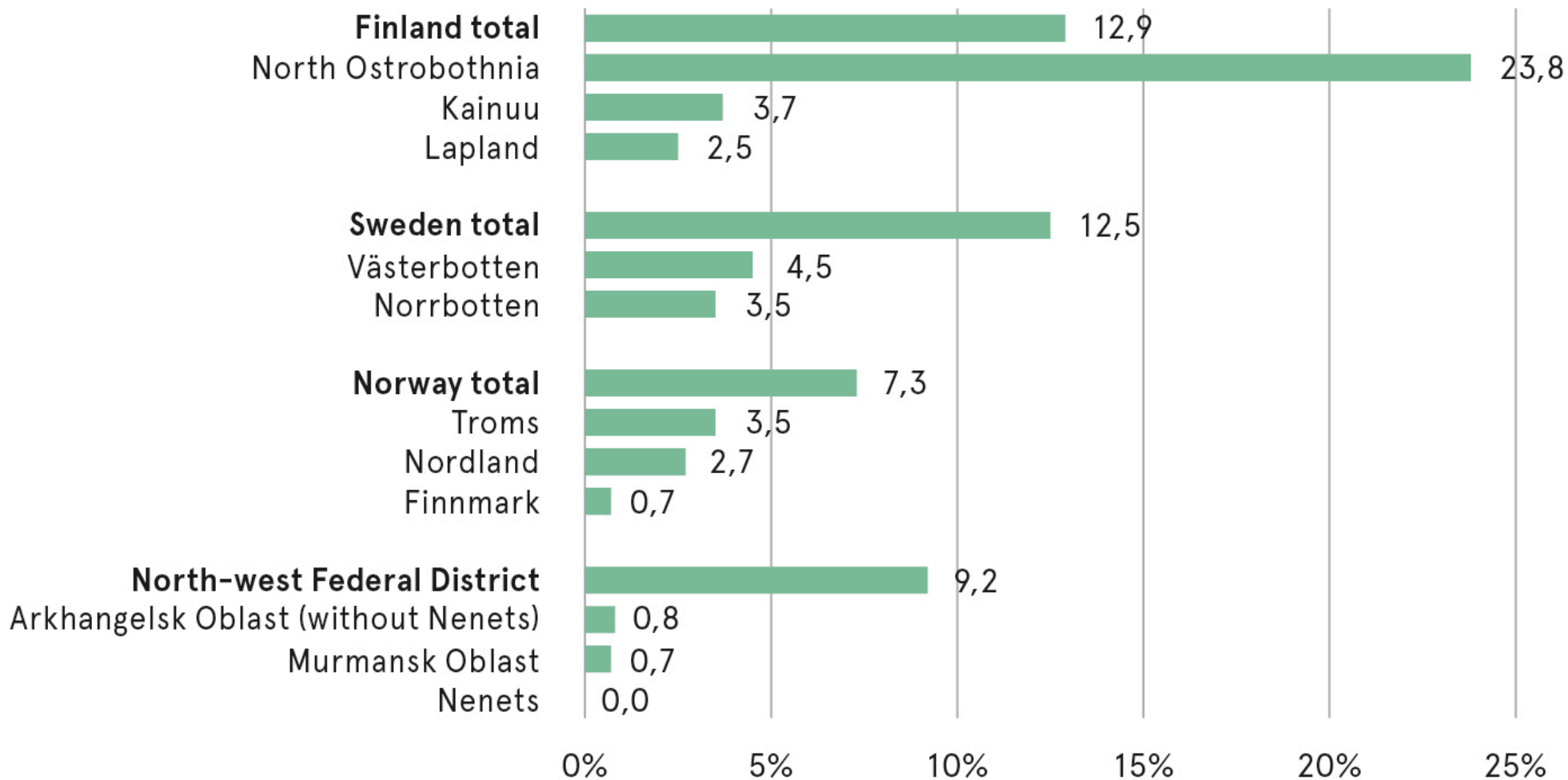
Fixed broadband access by households and enterprises (100Mbps and up)



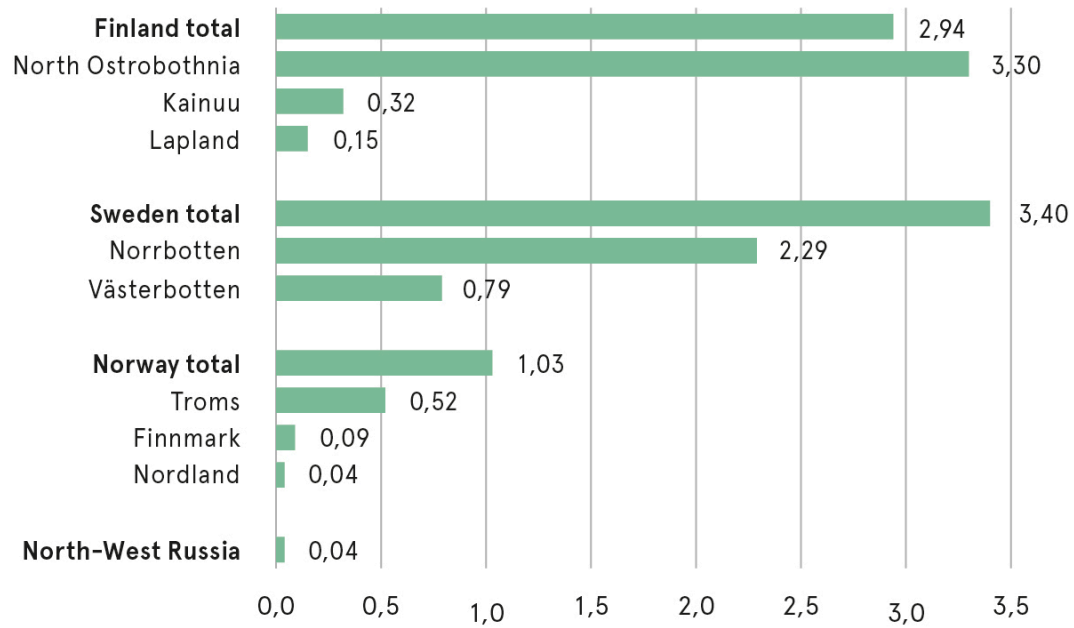
R&D in Business

Photo: BiotechNorth

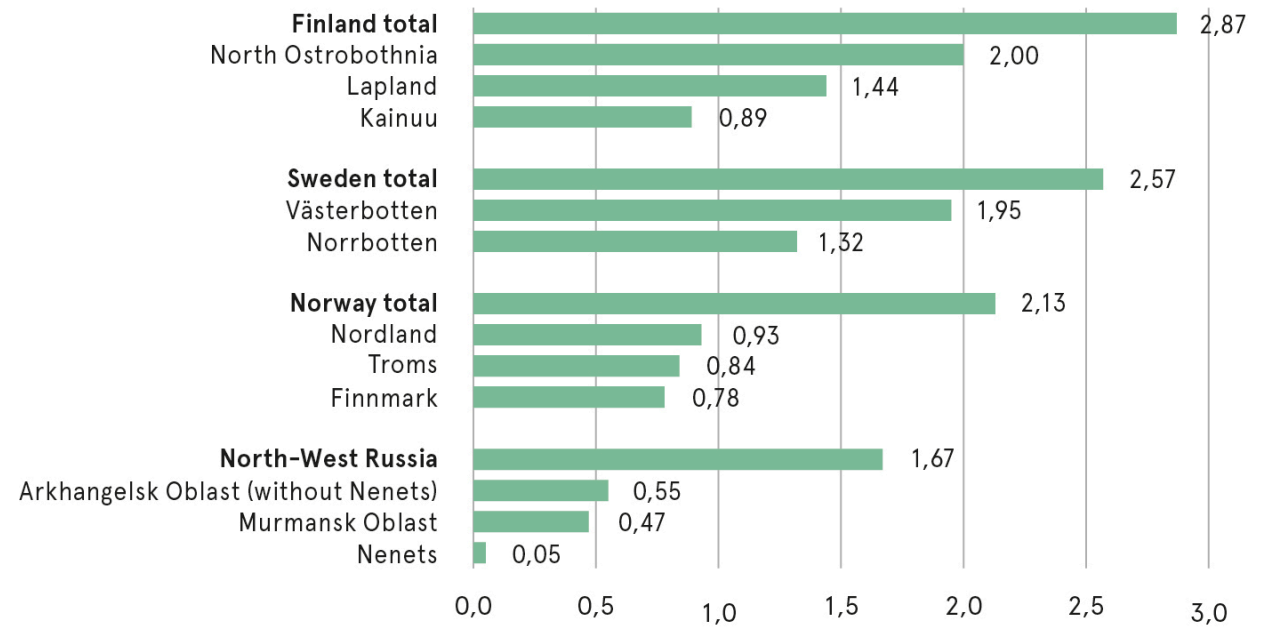
Number of R&D staff in business sector per 1000 employed (annual average for 2013-17)



Number of patent applications to EPO per 10000 capita
(annual average 2016-2018), by address of inventor



Number of national patent applications per 10000 capita
(annual average 2008-2017), by address of owner

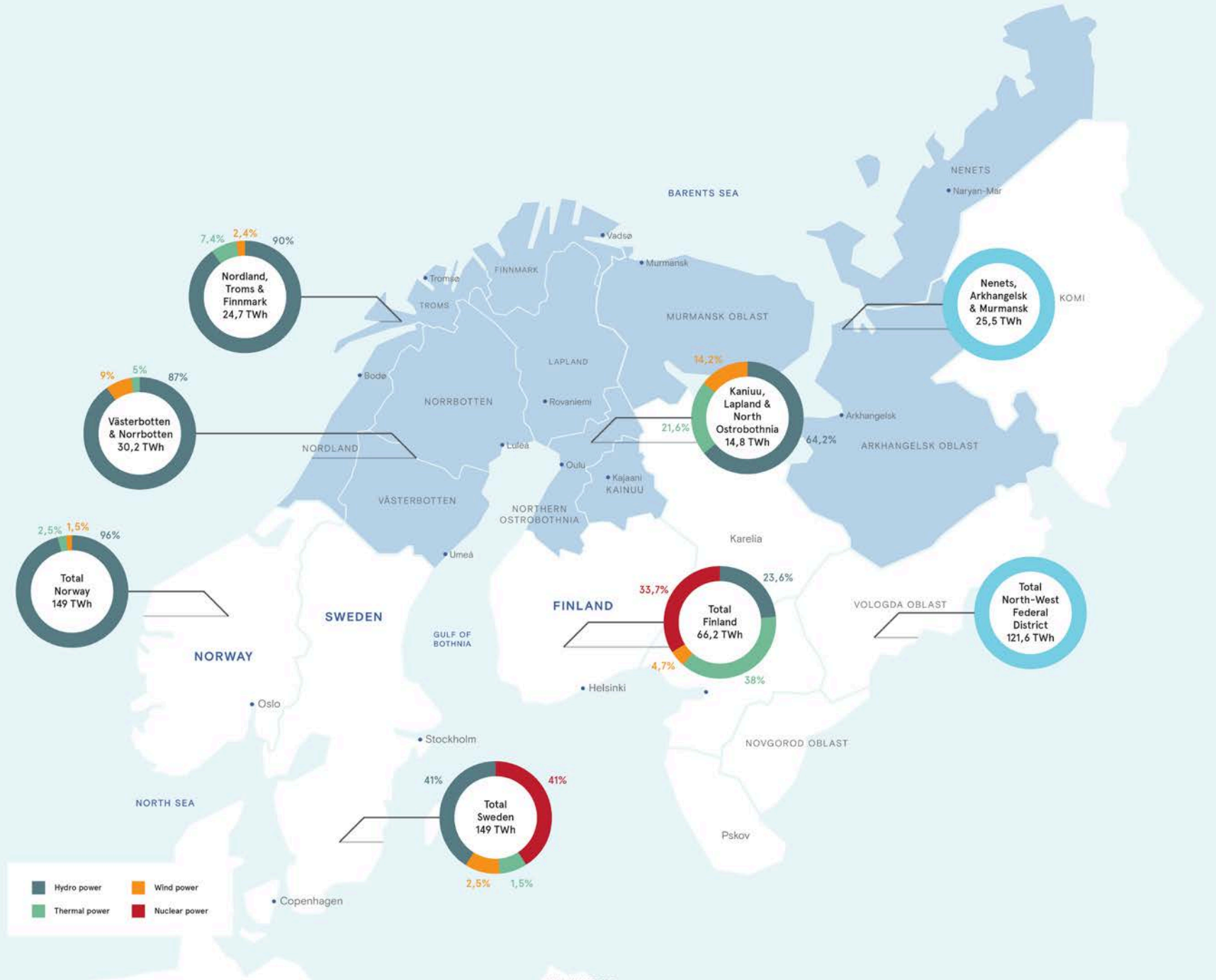


Energy

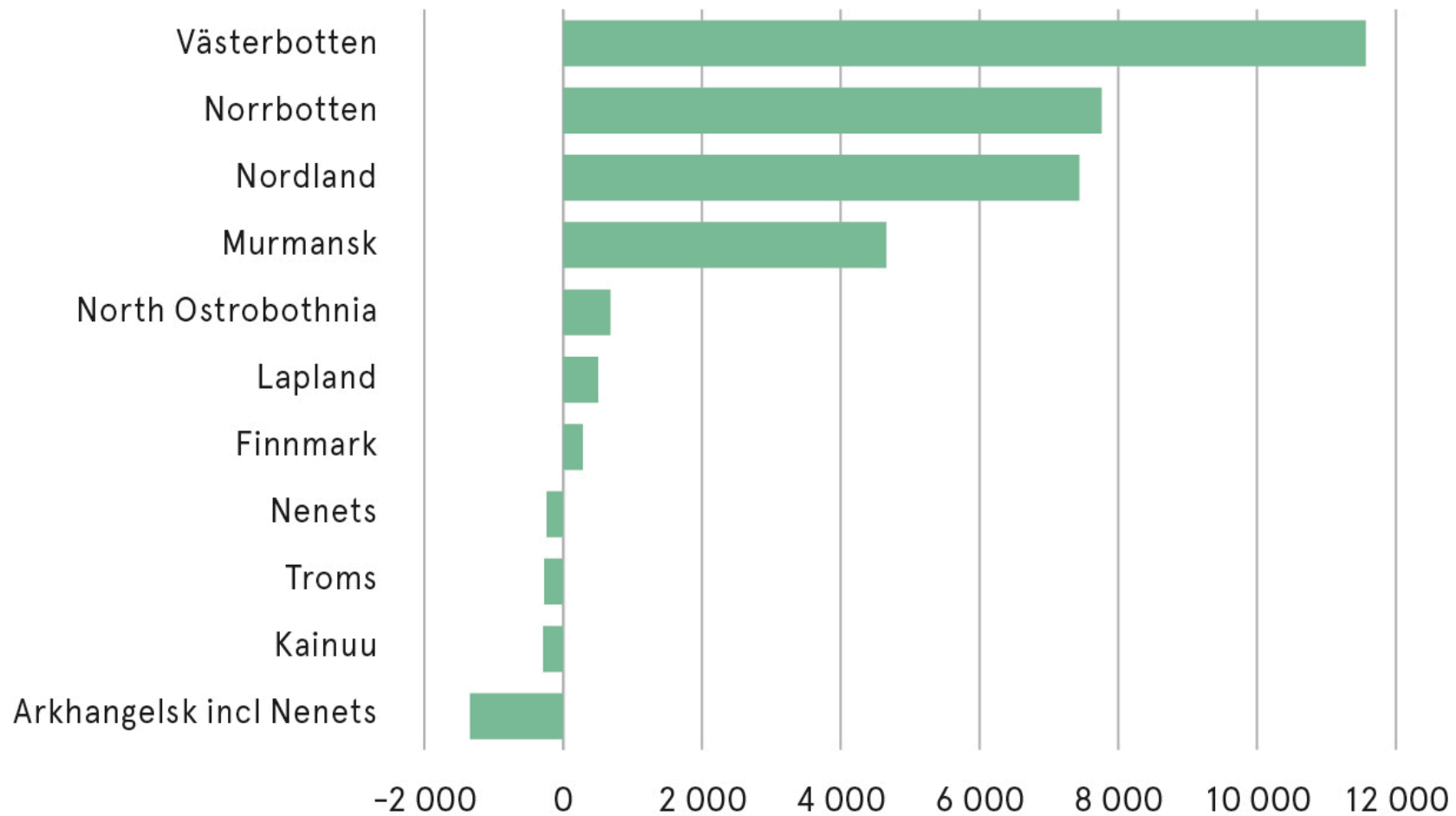


Øvre Forsland hydro plant. Photo: Helgeland Kraft AS

Electrical power production



Electricity balance 2017 (GWh)



Summary

- 94 billion Euro economy with growth 5,4% per year; need capital and more workplaces to continue positive trend.
- New industries thrive (aquaculture and data storage) and traditional ones do better (manufacturing and extraction) in the recent years
- Framework conditions:
- Demographic challenges and workforce education level should be addressed more carefully
- Connectivity into the age of internet of things needs improvement
- Too low R&D investments, but many very innovative companies
- Energy surplus calls for local investment in energy transforming businesses
- Arctic transport evolves: more Rail, more Road, more Maritime transport

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