

Stand Up for Nuclear

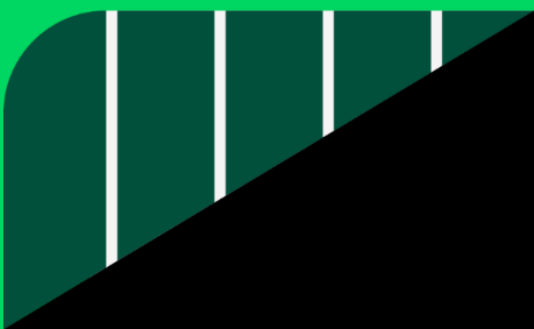
Because no-one else will

Leading the Force

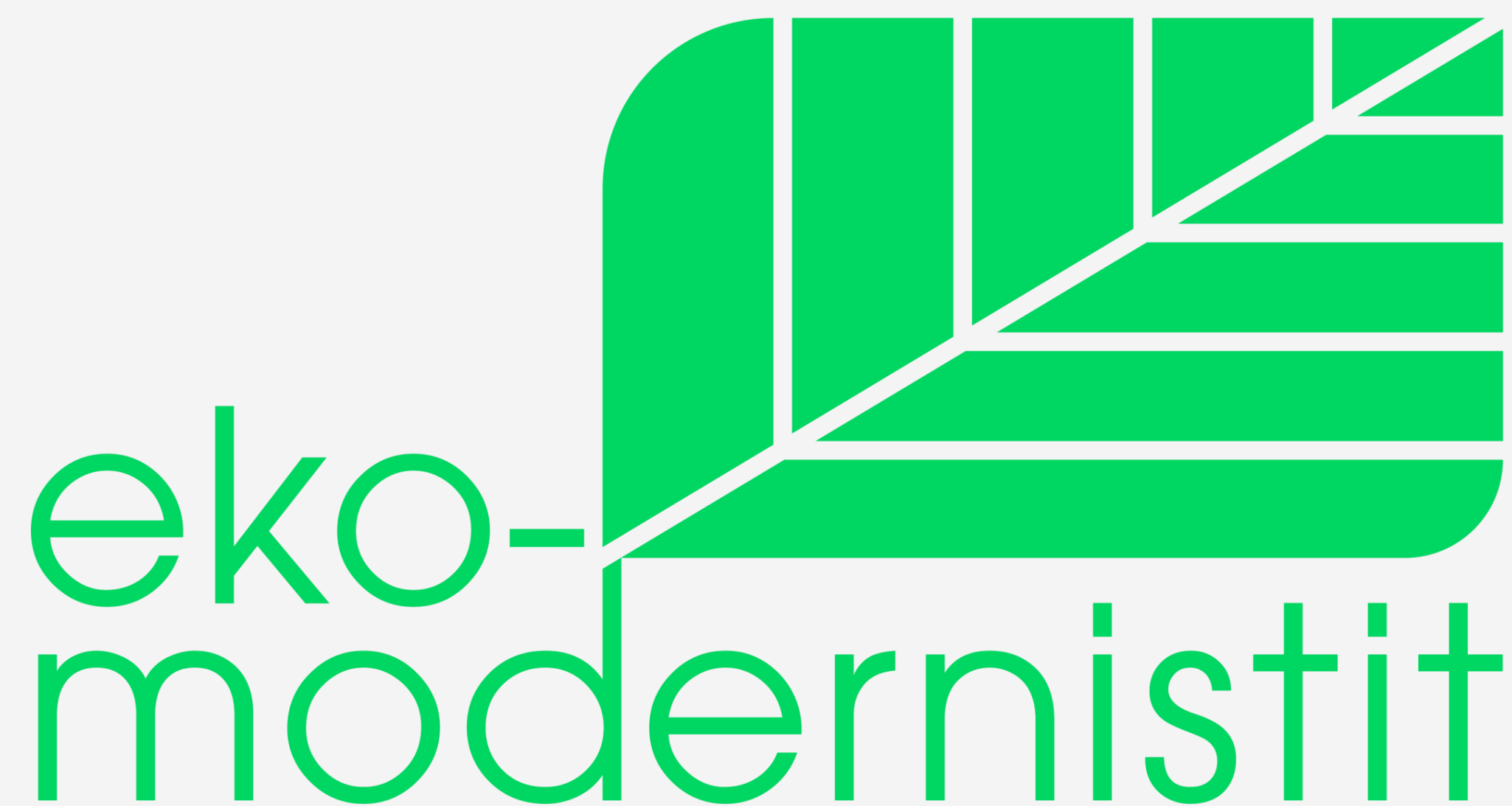
Fermi Energi – Tallinn 9th February 2021

Rauli Partanen

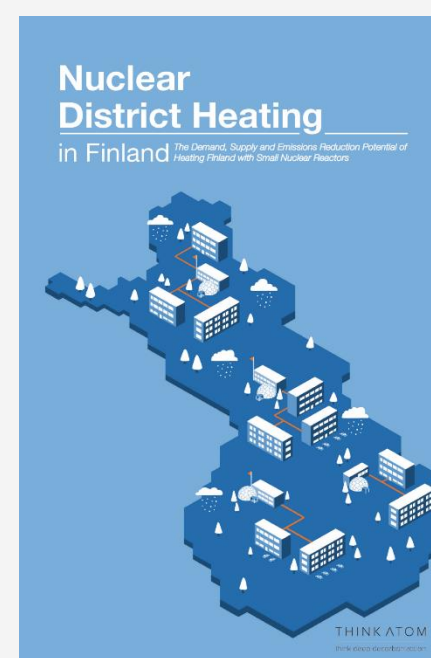
The Ecomodernist Society of Finland



What ecomodernism? Rauli who?



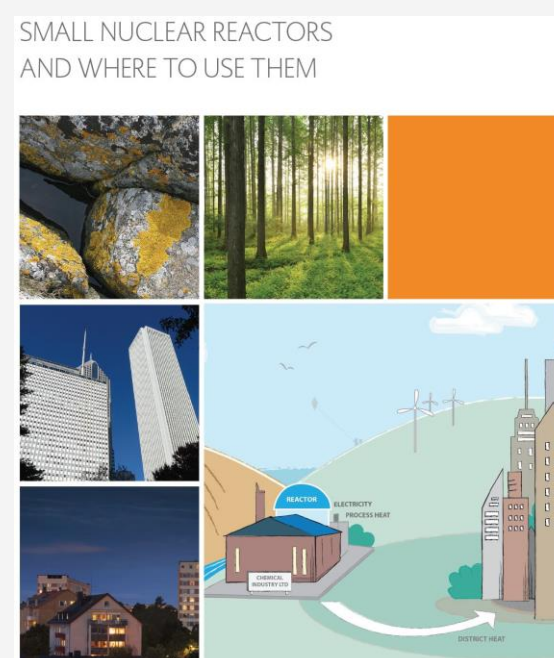
- The Ecomodernist Society of Finland is a politically and economically independent, science and evidence-based environmental organization.
- Rauli is an award-winning science writer and co-founder of the Ecomodernist Society of Finland.
- As his day job, he currently leads Think Atom, an independent non-profit think tank focusing on deep decarbonization with nuclear energy.
See: <https://thinkatom.net/publications/>



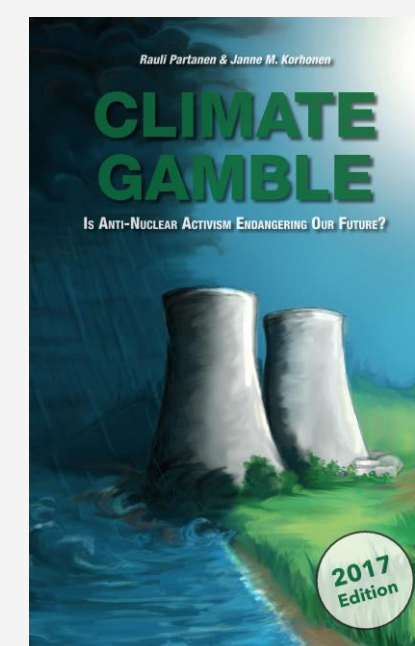
2019



2019



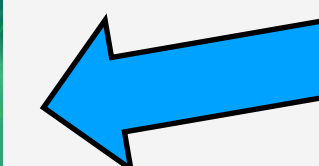
2020

2020
(contributor)

2015 / 2017



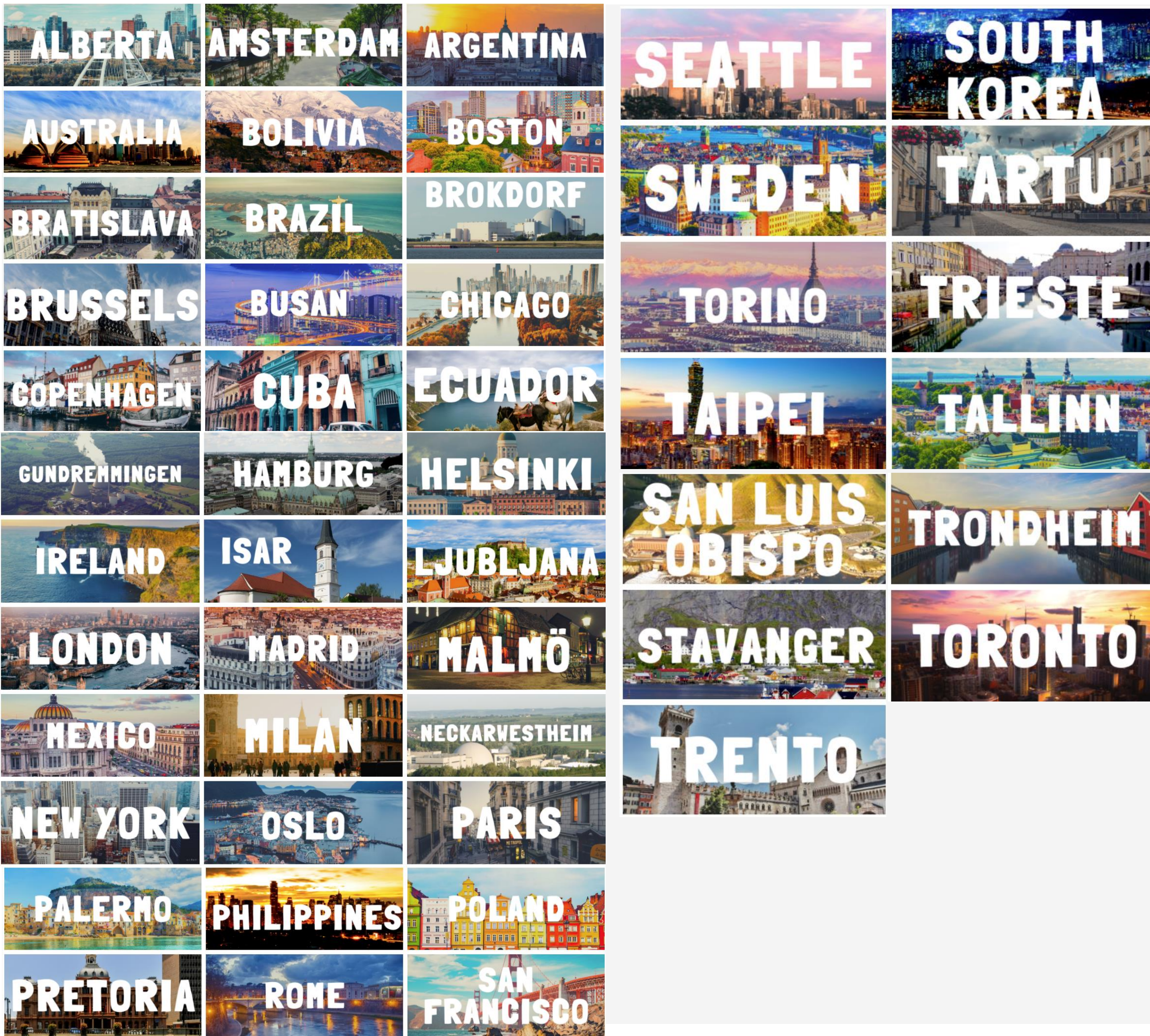
2020



**Coming out in
Estonian soon!**



Stand Up for Nuclear?



- A truly global event, latest was in September 2020.
- 28 Countries
- 67 cities
- 10 Virtual events
- ~1000 Participants
- ~15,000 Attendees
- Hundreds of thousands of impressions on social media



Stand Up for Nuclear in Media



Some highlights:

- South Korea
 - Appeared on national 9 tv news, and were covered by the nations 2 largest newspapers
- Mexico
 - First ever standup was led by woman and received coverage in over 15 different media outlets
- Germany
 - Were featured in Die Welt, Handelsblatt, The Augsburger Allgemeine (the larger newspaper in the south of Germany), & Ruptly

Why Stand Up for Nuclear?



- Nuclear can lift all humans out of poverty while protecting the natural environment.
- In spite of this, nuclear energy is under attack in Europe, Asia, and North America.
- For politicians, it has been easier to please the anti-nuclear sentiment, even if it dooms us to worsening climate disaster.
- With many publicly and visibly standing up for nuclear, it becomes easier for policymakers to support it as well.



Is EU policy going towards "Fossil Free?"

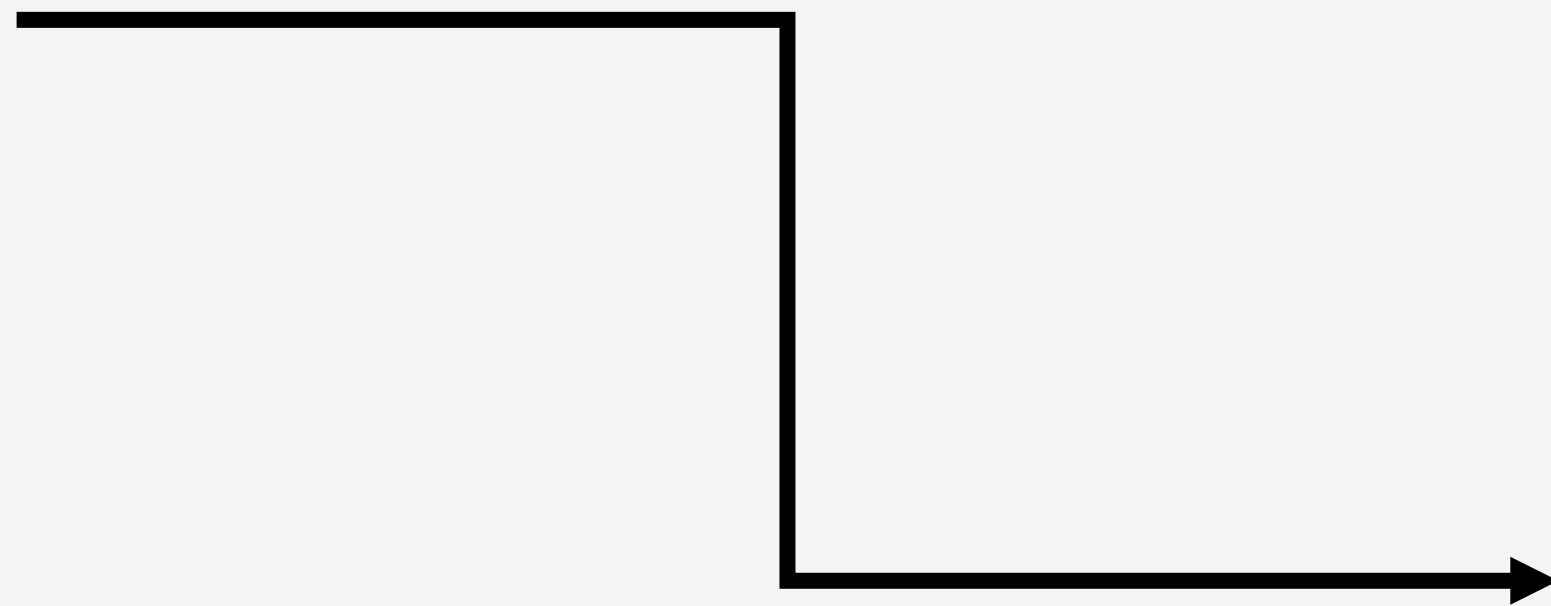


Energy & Environment | New Nuclear | Regulation & Safety | **Nuclear Policies** |

Belgium maintains nuclear phase-out policy

04 April 2018

3 months later



MONTEL

EN Edition ∨

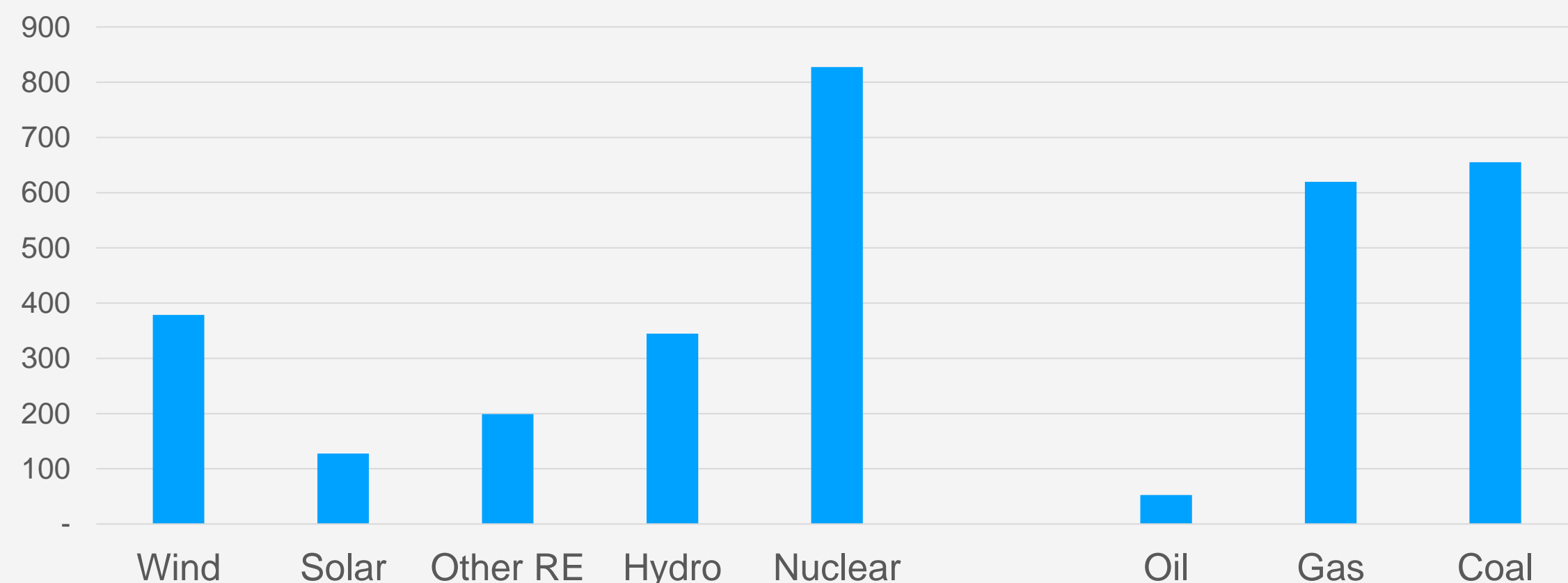
News Ar

Belgium prepares to subsidise new gas plants

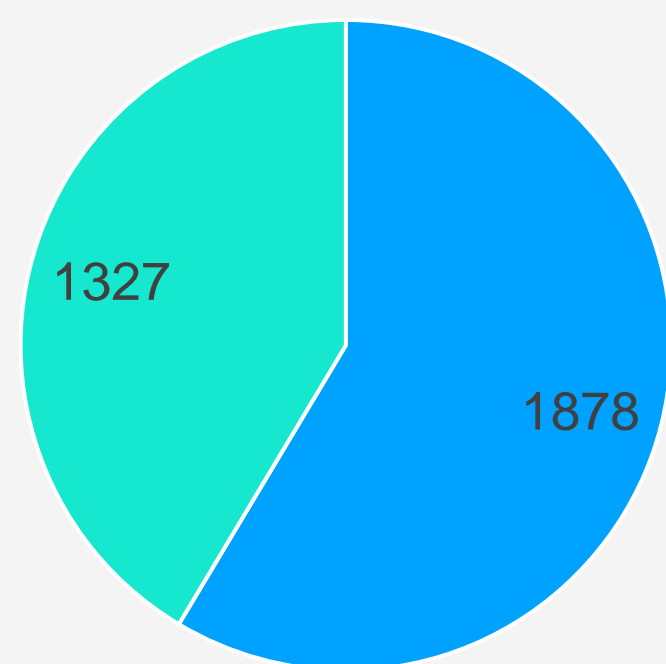
Gas Power 420 DAYS AGO

Need for clean energy, in context

EU Electricity sources 2018 - Total ~3200 TWh

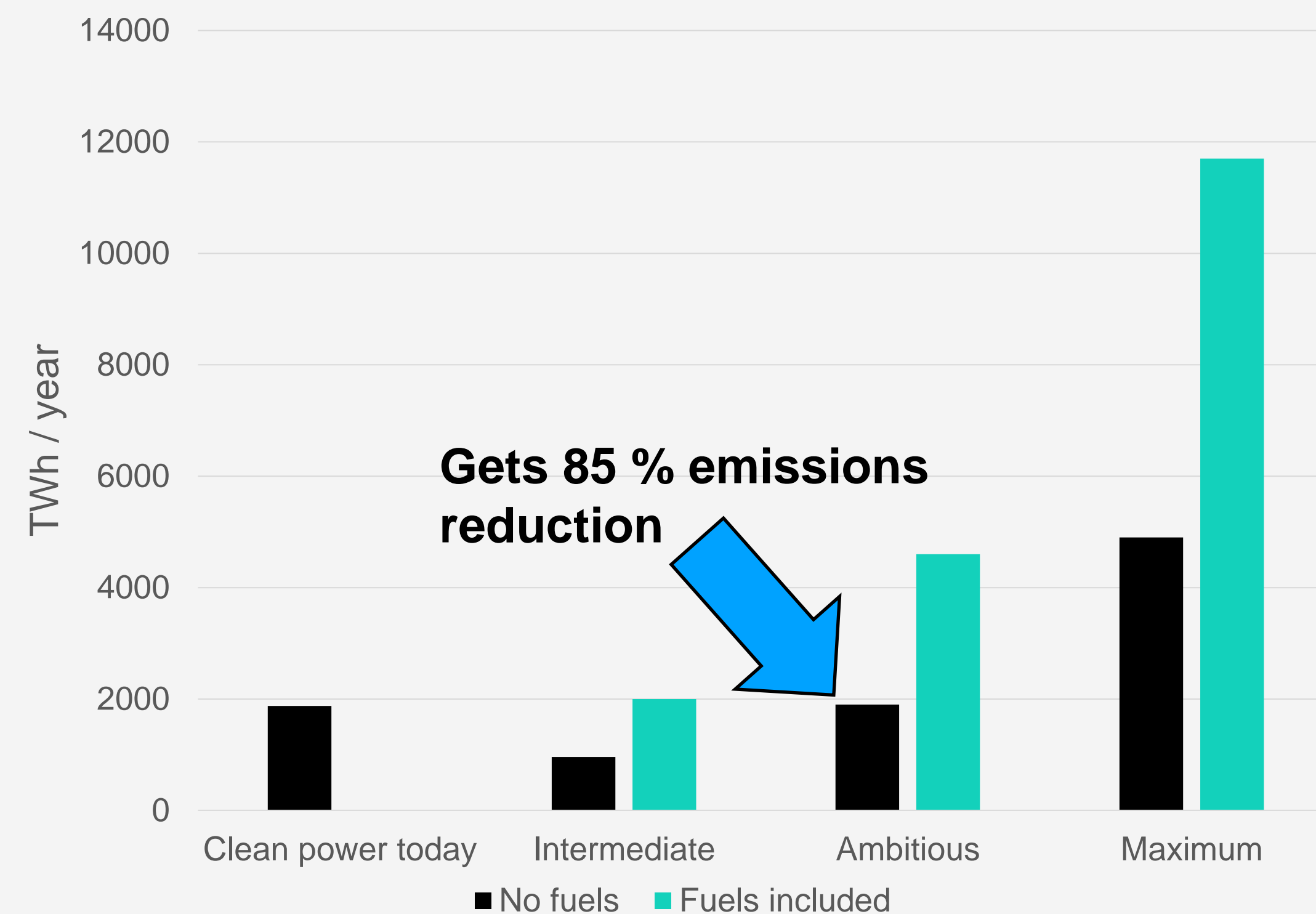


EU Electricity 2018 / TWh



■ Clean total ■ Fossil total

EU Chemical Industry Decarbonization Low Carbon Power Demand by 2050



Stand Up for Nuclear in Finland

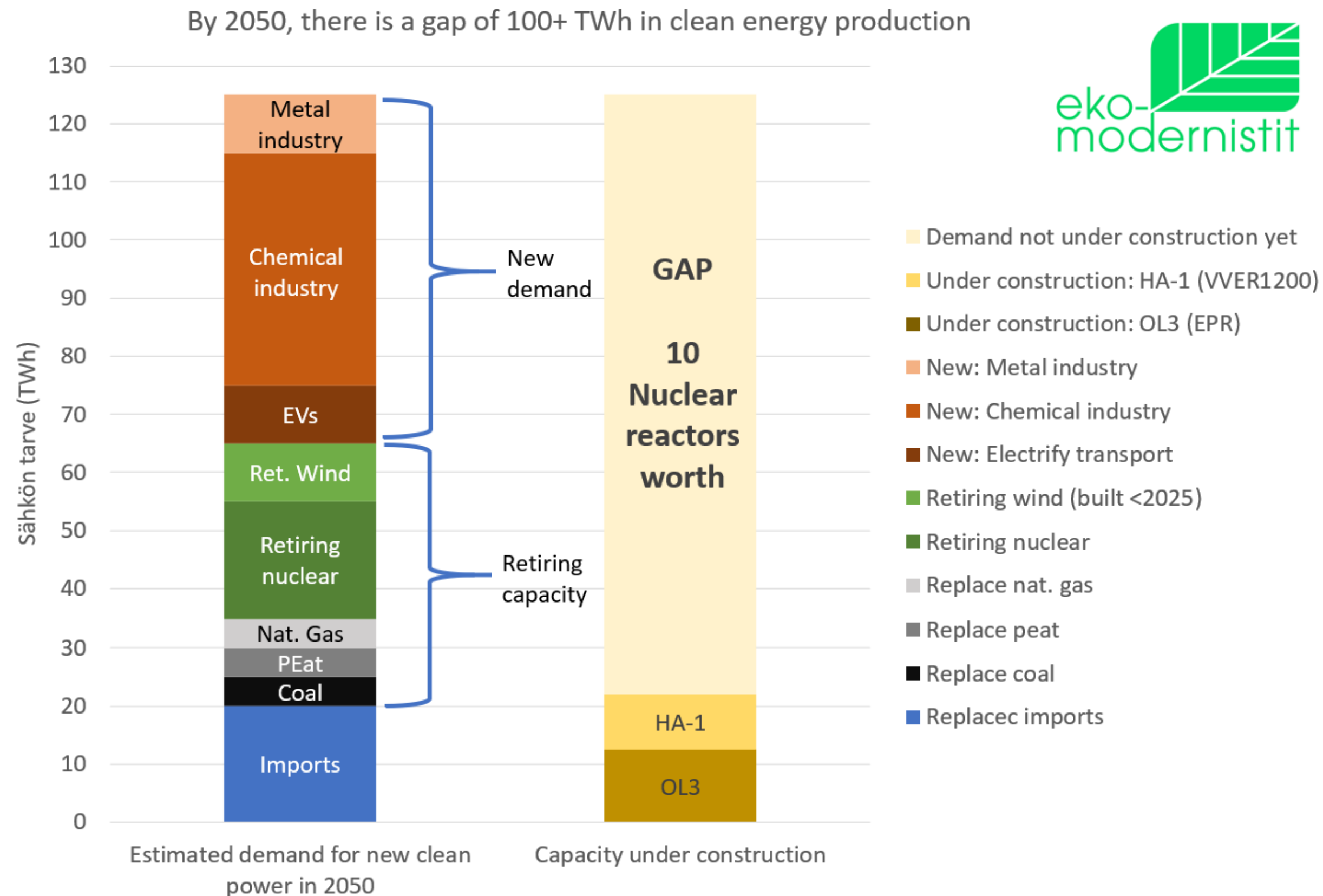


Rauli interviewing Atte Harjanne, a pro-nuclear Green MP in Finland, with Rasmus Pinomaa from Finnish Chemical Industry waiting his turn

- Finland has a good situation, compared to many others.
- Nuclear is not under attack, but generally accepted (if not much supported).
- New projects are underway, and we are even developing our own small district heating reactor.
- In Finland, we stood for nuclear in solidarity.
- And looked for a way to lead.



Stand Up for NEW Nuclear in Finland



In 2020, Finnish industries came out with their roadmaps for deep decarbonization that would be in line with Government targets:

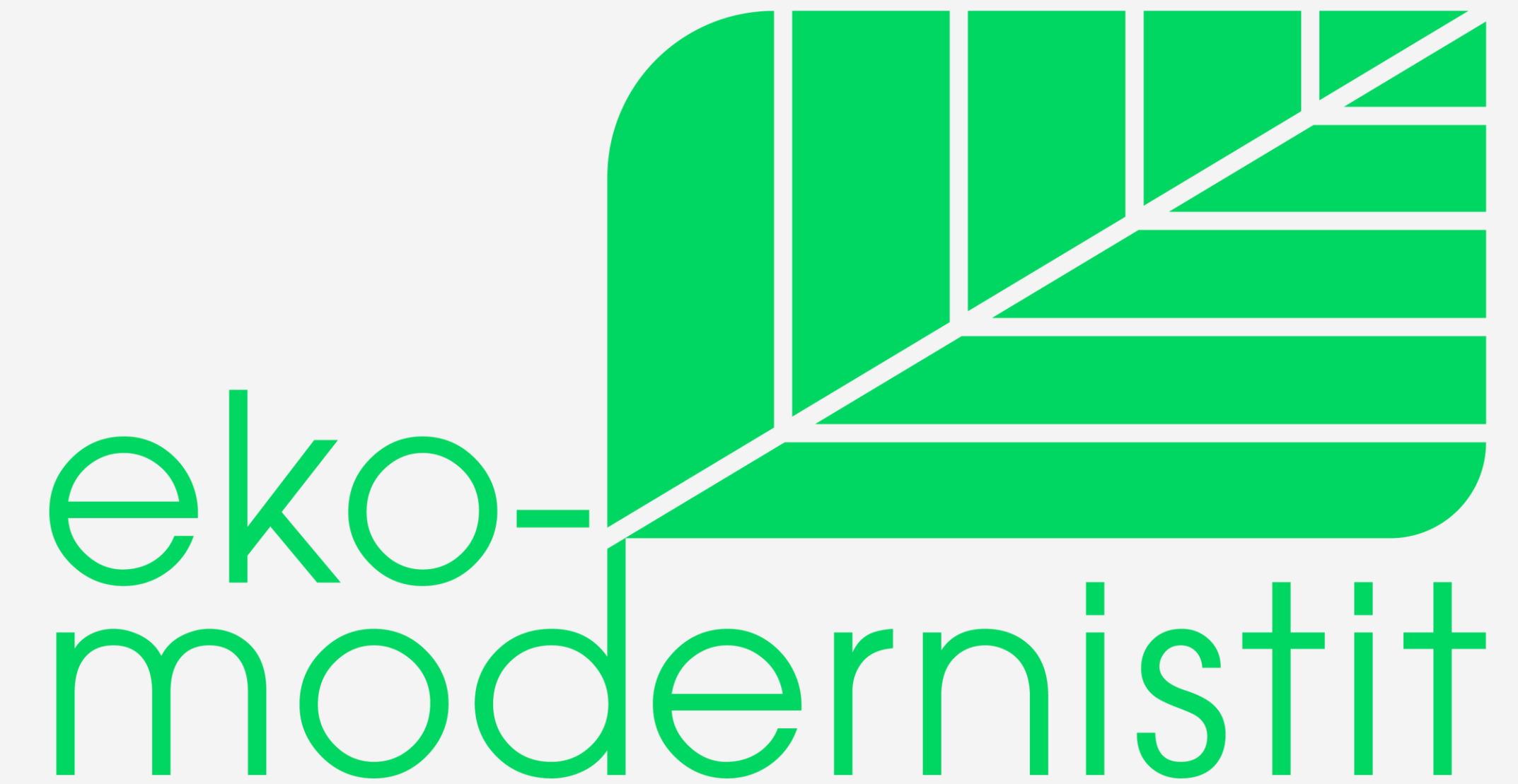
- 10 TWh for metal industry
- 40-80 TWh for (petro)chemical industry

In addition, we have to replace:

- 20 TWh of imports
- 15 TWh of fossil CHP (+ district heat)
- Perhaps 10 TWh of retiring wind
- 20 TWh of (perhaps) retiring nuclear
- 10 TWh for EV's

- Only 20 TWh now under construction
- Finland needs **10 big reactors worth** of new, reliable production by 2050, so we should start discuss how this can be done.

Thank You.



Suomen Ekomodernistit Ry