

23rd WiN Global Annual Conference

Women in Nuclear

“Atoms for Peace”

24-28 aug 2015

IAEA, Wien, Österrike

Hälsningar från Wien



IAEA, International Atomic Energy Agency

- Grundades 1957
- 165 medlemsländer
- Främja en säker och fredlig användning av kärnteknik
- 2 200 anställda
- Egen WiN-förening "WiN IAEA"



Dag 1 Studiebesök



Zwentendorf Nuclear Power Plant

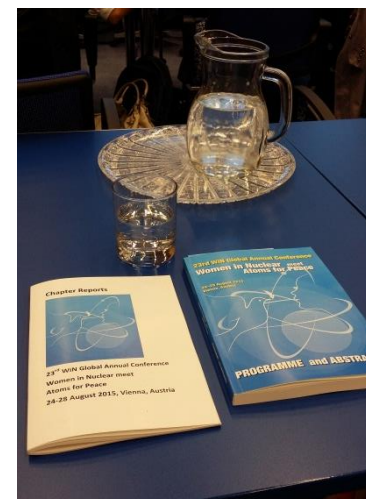


Besök på Heuriger



Dag 2 Konferensen öppnades

Drygt 500 deltagare
från 64 olika länder



Gruppfoto



Landsrapporter

- Finland** Lämnat licensansökan för Hanhikivi 1
juni 2015
Olkiluoto 3 (1600 MW) i drift 2018?
- Frankrike** 58 reaktorer i drift
Flamanville (1630 MW), RI klar
- Tyskland** 8 reaktorer i drift till 2022,
9 reaktorer avställda

Landsrapporter

Kina

26 reaktorer i drift
25 under uppbyggnad

USA

99 reaktorer i drift
5 reaktorer under uppbyggnad
kärnkraft står för 19,5% av
elproduktionen

Nybyggnationer, antal reaktorer

För Arabemiraten	4
Brasilien	1, 4 planerade
Korea	4 + 4
Pakistan	4
Slovakien	2
Sydafrika	8 planerade
Turkiet	4 + 4
Ungern	2

Öppningsceremoni på IAEA



Yukio Amano,
Ordförande IAEA



Ordförande
WiN Japan



Dag 3

- Karriärsutveckling för kvinnor
- Presentation av IAEAs avdelningar
- Strålning inom medicinska områden
- Nukleär säkerhet
- Energi, miljö och klimat
- Skydd och icke-spridning

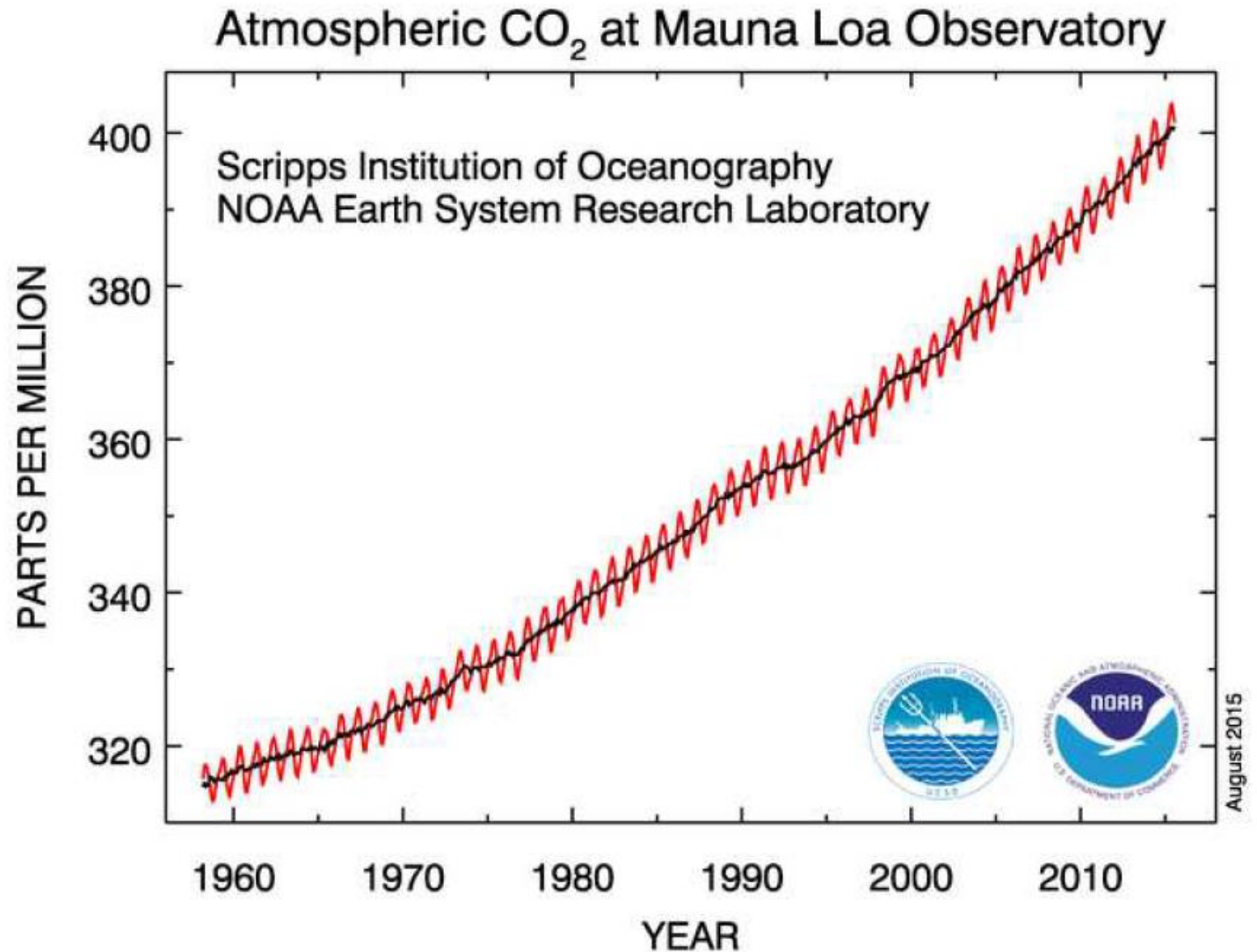


Energi, miljö och klimat



Climate emissions

Closing in fast on 450 ppm (2°C)



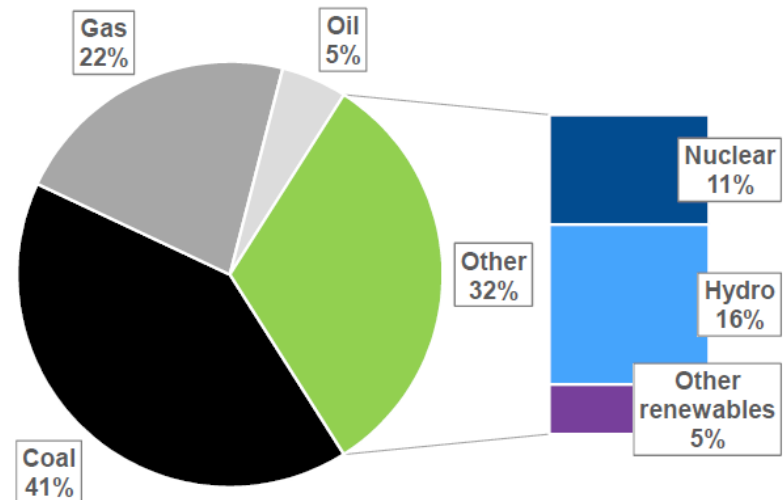
To limit the temperature increase below 2°C in 2050..

**..at least 80% of
the world's
electricity must be
low-carbon by
2050.**

Source: IPCC WG1 2014

Today, it is about 30%

2013 world electricity generation by source

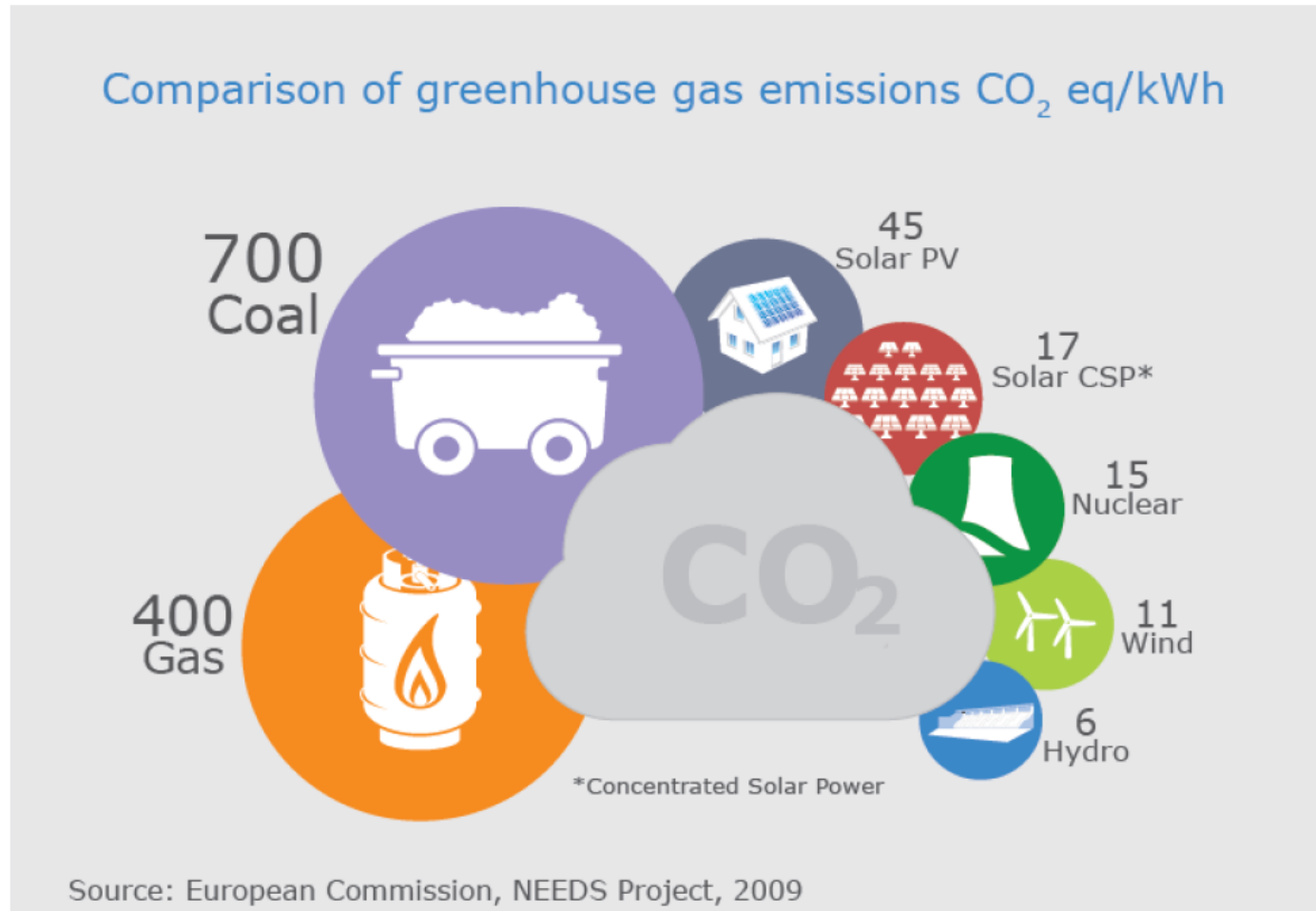


Source: AIE-WEO 2014

This is a massive global challenge that requires the use of
all available low-carbon energy technologies.

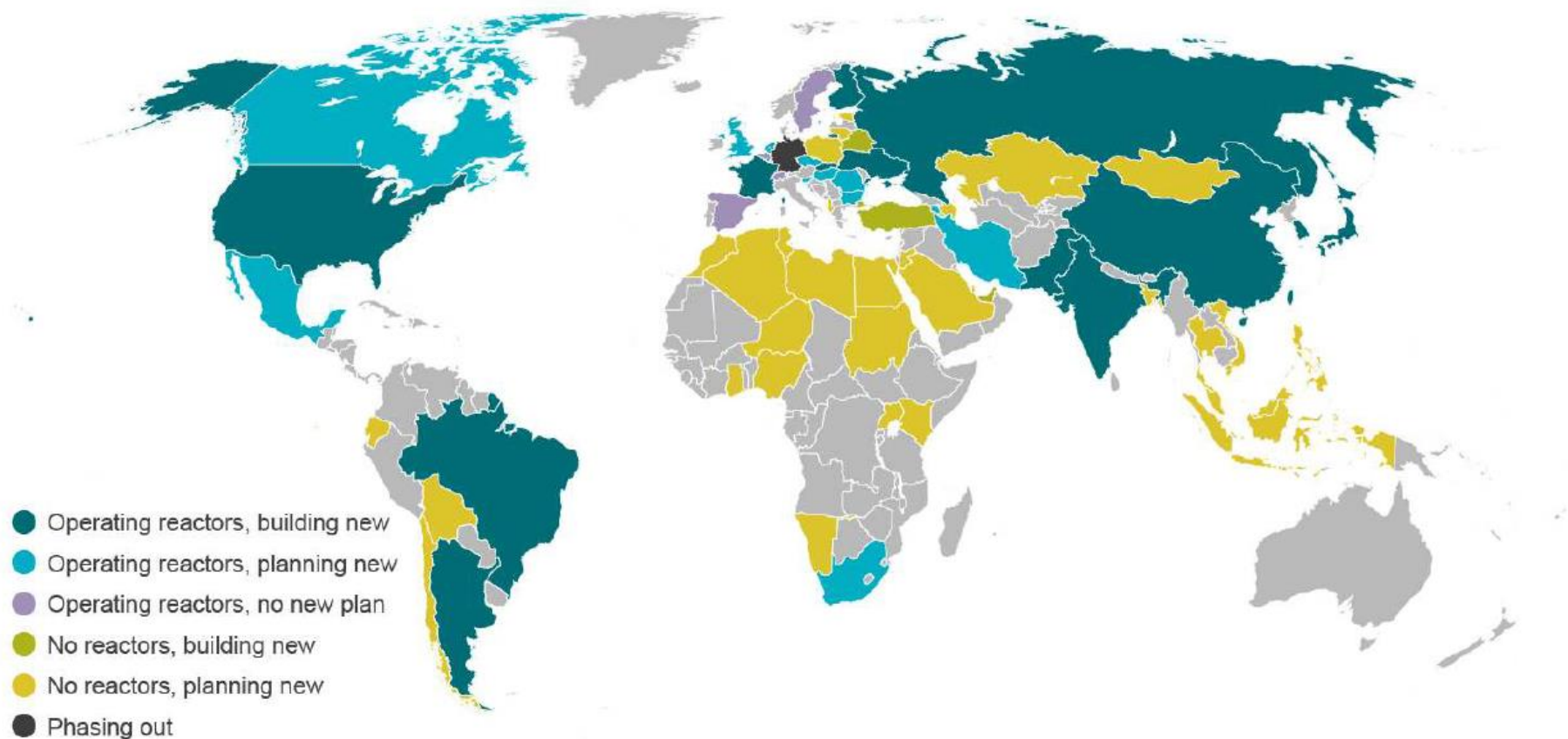


The IPCC identifies three types of carbon-free electricity: renewables, nuclear and CCS (Carbon Capture & Storage).



The amount of CO₂ emitted by nuclear energy is comparable to that of renewables

Global Nuclear Status





Women in Nuclear Declaration for the Earth Climate

25 August 2015

WE THE UNDERSIGNED,

Scientists, engineers, and professionals representing national, regional, and international Chapters and individual members of the **Women in Nuclear Global** network committed to the further development and peaceful use of nuclear science technologies, and acknowledging the crucial role women play in preserving our Earth for future generations;

GATHERED here today at the International Atomic Energy Agency in Vienna on the occasion of the
2015 WiN Global Annual Conference

ACKNOWLEDGE the unequivocal conclusions reached by the majority of climatologists, as stated in the peer reviewed *Fifth Assessment Report* of the Intergovernmental Panel on Climate Change (IPCC), that "human activities have contributed to changes in the Earth's climate;"

ACCEPT the fact that, according to the Organisation for Economic Cooperation and Development (OECD), electricity demand is currently predicted to double by 2050, while the global population is expected to reach about 10 billion with increasing trends;

SHARE the objective of limiting global warming to a maximum of 2°C by 2050, which will require, according to IPCC, 80% of electricity to come from all available low-carbon technologies by that time;

CALL FOR immediate steps to reduce greenhouse gas emissions that *include nuclear energy as an option*, a view shared by the IPCC and OECD as well as national and international organisations and non-governmental organisations (NGOs).

Members of WiN Global hereby declare that

**WE STRONGLY BELIEVE
THAT NUCLEAR ENERGY IS A KEY PART OF THE SOLUTION
IN THE FIGHT AGAINST CLIMATE CHANGE**

Thus

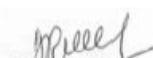
ASSERT that each country have access to the widest possible portfolio of low-carbon technologies available, including nuclear energy, in order to reduce CO₂-emissions and meet energy goals;

ASK that the new United Nations Framework Convention on Climate Change (UNFCCC) Protocols recognise **nuclear energy as a low-carbon energy option**, and include it in its climate funding mechanisms, as is the case for all other low-carbon energy sources; and

Have **DECIDED** to jointly sign this declaration and bring it to the attention of the Climate Change Conference that will take place in Paris in December 2015.


Se-Moon Park
President, WiN Global

www.win-global.org


Dominique Mouillat
Vice-President, WiN Global



Galamiddag i stadshuset



Dag 4 Postersutställning

Totalt 104 posters i kategorierna:

- Karriärsutveckling
- Nukleära applikationer
- Energi, miljö och klimat
- Säkerhet



Konferensen stängs och fanan skickas vidare

WiN Global 2016
20-23 nov



Abu Dabi,
Förenade Arabemiraten

Dag 5 Studiebesök

- MedAustron Ion Beam Therapy Centre
- IAEA Seibersdorf Laboratories and Nuclear Engineering
- IAEA Incident and Emergency Centre
- Comprehensive Test Ban Treaty Organisation, CTBTO
- TRIGA Mark II Reactor, Atominstutet
- Stadsvandring
- Atommuseum i Prag

