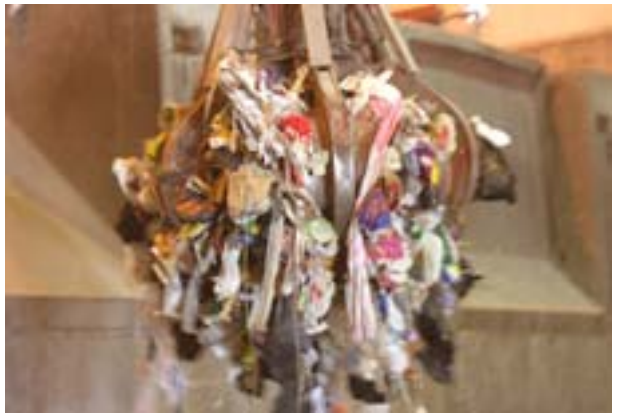
NextGenBioWaste

Second Conference on Biomass and Waste Combustion, Oslo, 16 - 17 February

- Welcome and Introduction

Sverre Aam
President SINTEF Energy Research


NextGenBioWaste

EUs largest project within energy from waste and biomass

Homepage: www.NextGenBioWaste.com

Picture courtesy of
A2A, Brescia, Italy

•Title: ”***Innovative demonstrations for the next generation of biomass and waste combustion plants for energy recovery and renewable electricity production***”

•Co-funded by the European Commission (FP6)
•Contract no.: 019809
•Project duration: 2006-2010 (48 months)
•Budget: 29 017 555 €
•Co-ordinator: SINTEF Energiforskning AS, Norway

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SIXTH FRAMEWORK PROGRAMME

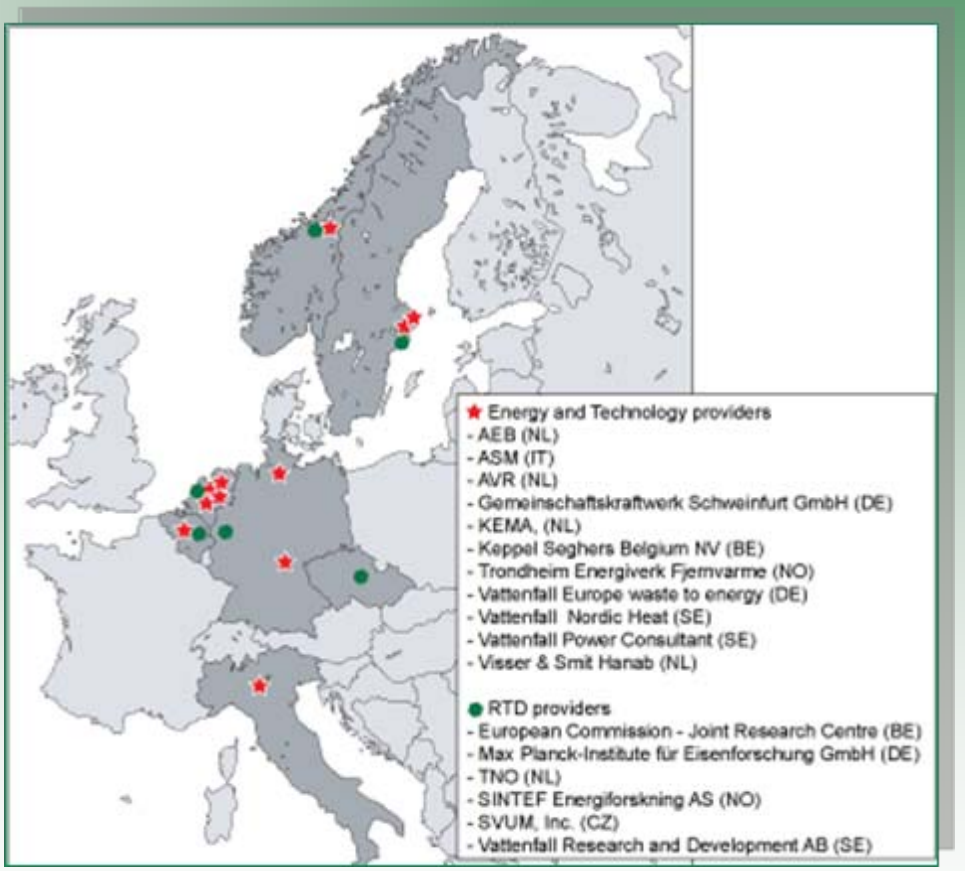
Consortium - 17 partners from 7 countries

Co-ordinator:

SINTEF Energi AS

Partners:

- Afval Energie Bedrijf, Amsterdam
- A2A BRESCIA SPA
- Gemeinschaftskraftwerk Schweinfurt GmbH
- Joint Research Centre of the EC
- KEMA
- Keppel Seghers Belgium NV
- Max-Planck-Institute
- AVR Afvalverwerking B.V.
- SINTEF Energi AS
- SVUM, a.s., Prague
- TNO
- Trondheim Energiverk Fjernvarme AS
- Vattenfall AB Business unit Nordic Heat
- Vattenfall Europe Waste to Energy GmbH
- Vattenfall Power Consultant AB
- Vattenfall Research and Development AB
- Visser & Smit Hanab



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Sponsors:

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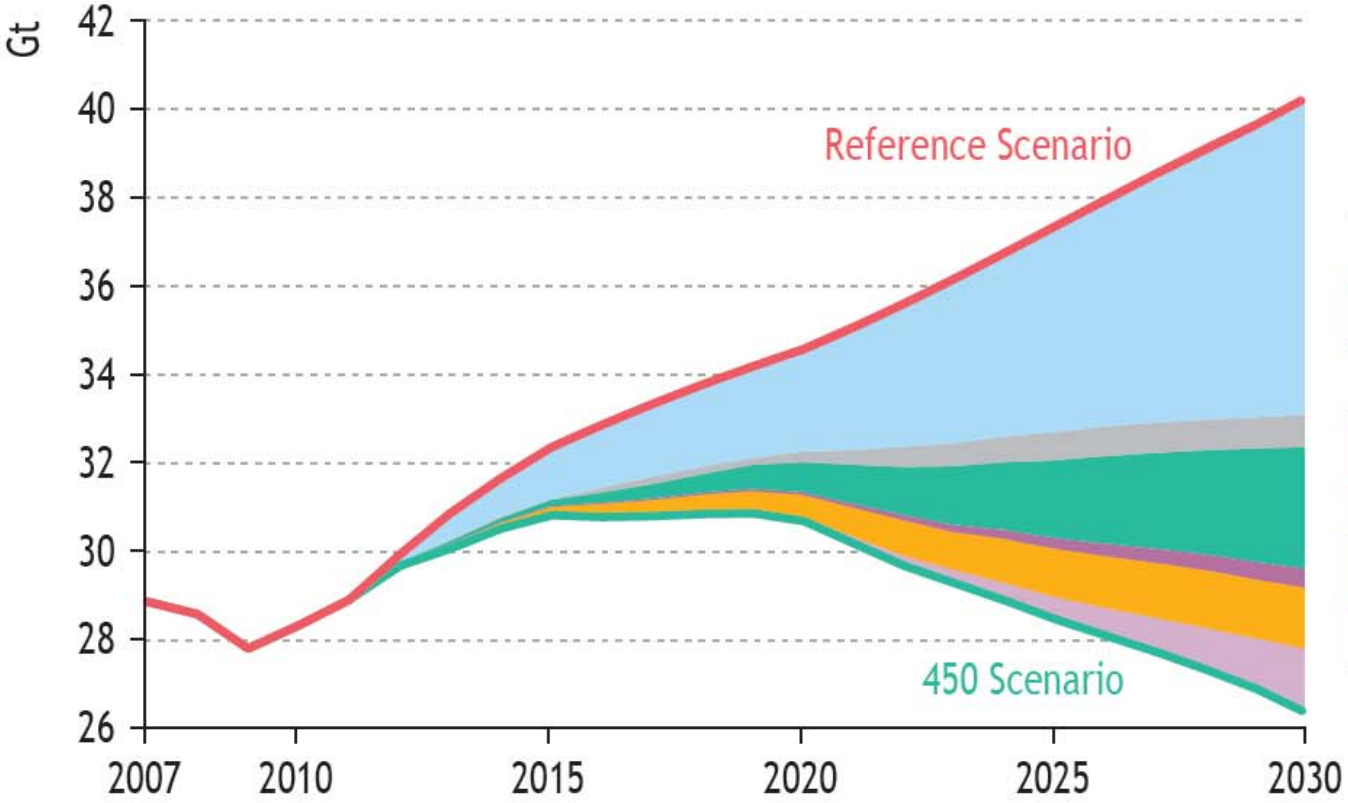
Organiser:

SINTEF

Second International Conference on Biomass and Waste Combustion

Progress beyond state-of the-art
- next generation technologies for retrofit and new combustion plants

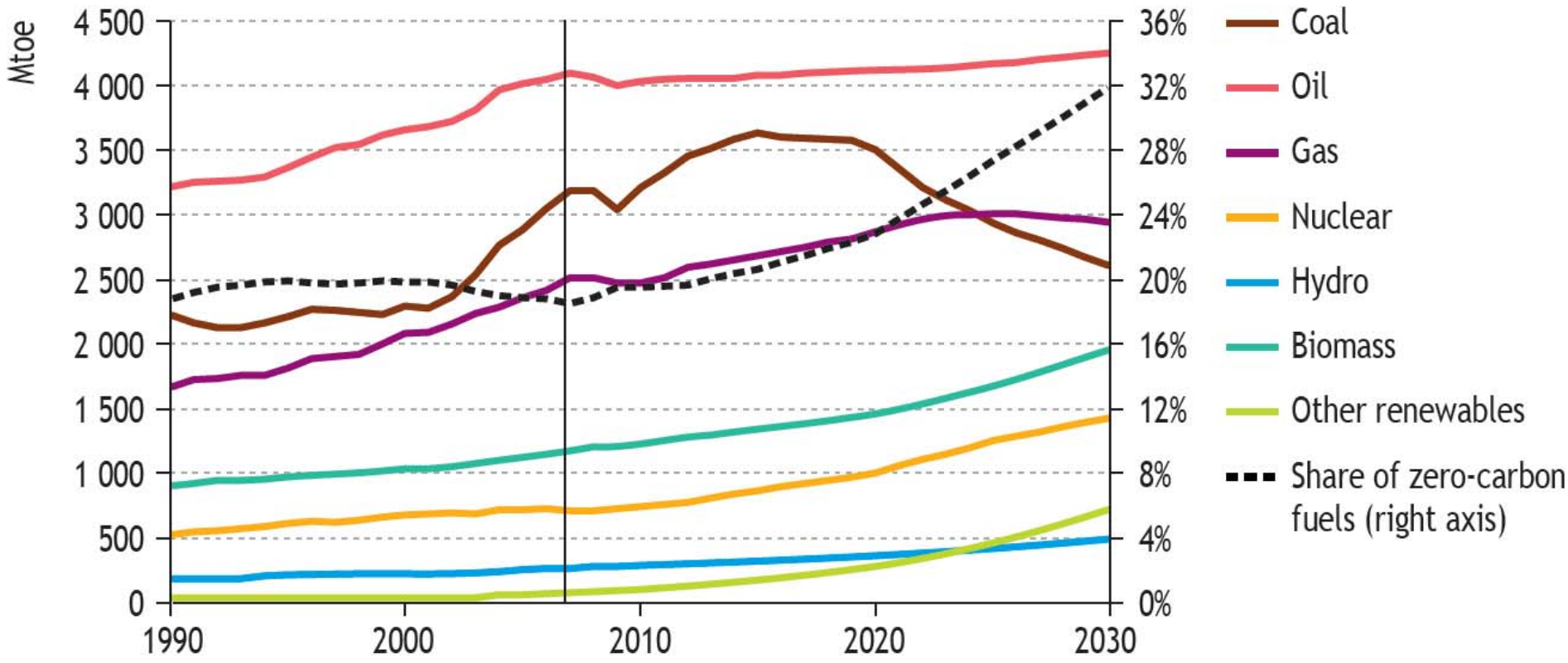
Figure 5.8 • World energy-related CO_2 emission savings by policy measure in the 450 Scenario



	Abatement ($Mt\ CO_2$) 2020	2030
Efficiency	2 517	7 880
End-use	2 284	7 145
Power plants	233	735
Renewables	680	2 741
Biofuels	57	429
Nuclear	493	1 380
CCS	102	1 410

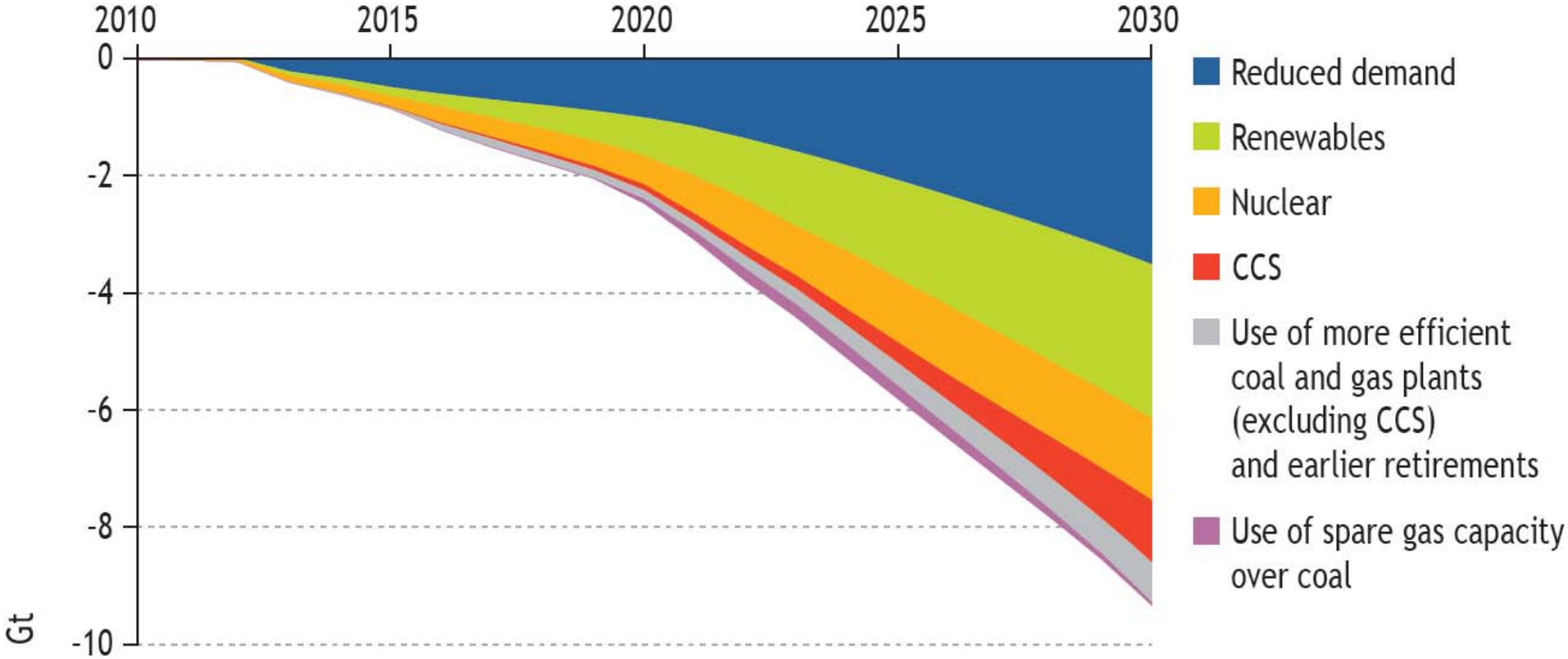
Source: IEA World Energy Outlook 2009

Figure 5.9 • World primary energy demand by fuel in the 450 Scenario



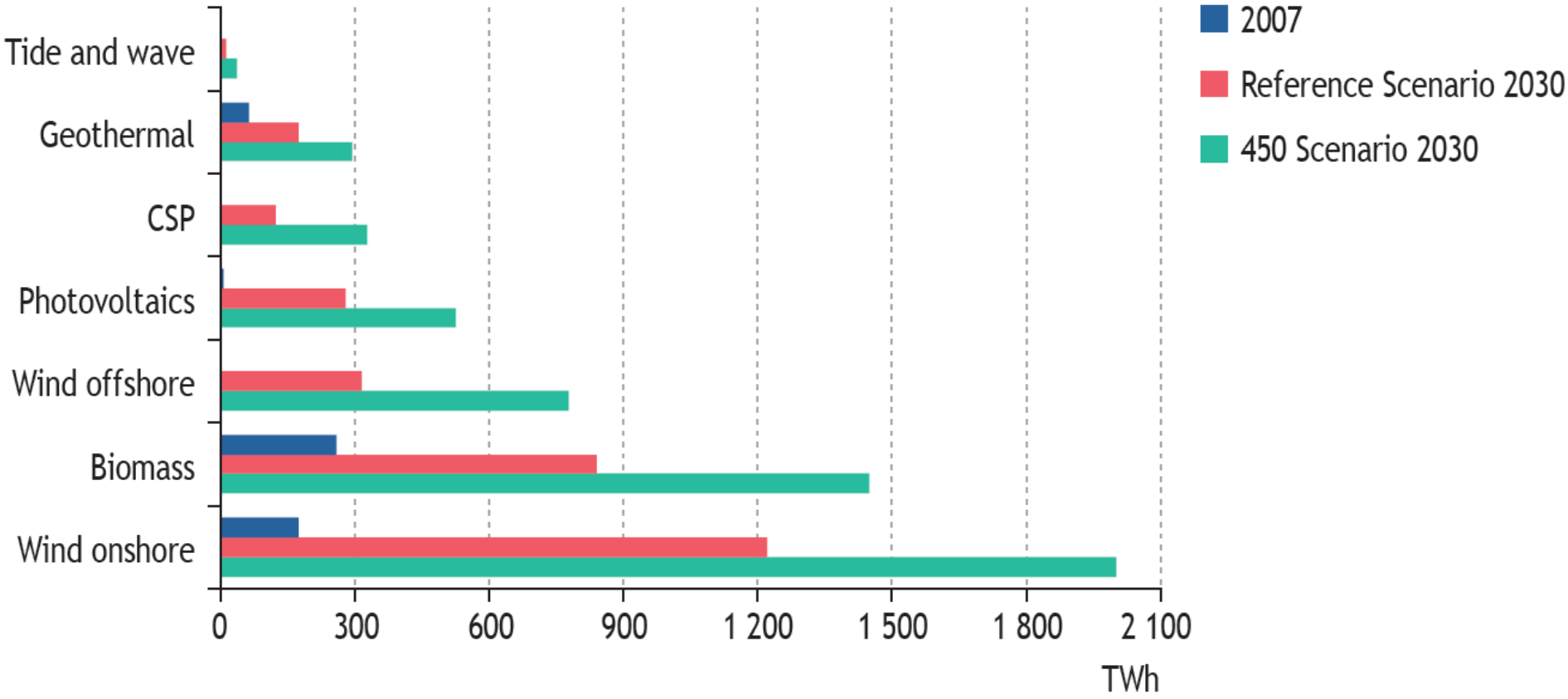
Source: IEA World Energy Outlook 2009

Figure 6.2 ● Change in world energy-related CO_2 emissions from the power generation sector in the 450 Scenario compared with the Reference Scenario



Source: IEA World Energy Outlook 2009

Figure 5.11 • World electricity generation from non-hydro renewables by type in the 450 Scenario



Note: CSP refers to concentrating solar power.

Source: IEA World Energy Outlook 2009

The Conference

- Focus on the technical aspects of biomass and waste combustion
- The main goal is to present technological innovations that will be commercialised in the near future.
- NextGenBioWaste activities and results by the end of the project will be presented
- Leading experts from outside the NextGenBioWaste consortium are also invited to give presentations within the Conference topics