



International  
Energy Agency

# IEA CHP & DHC Collaborative

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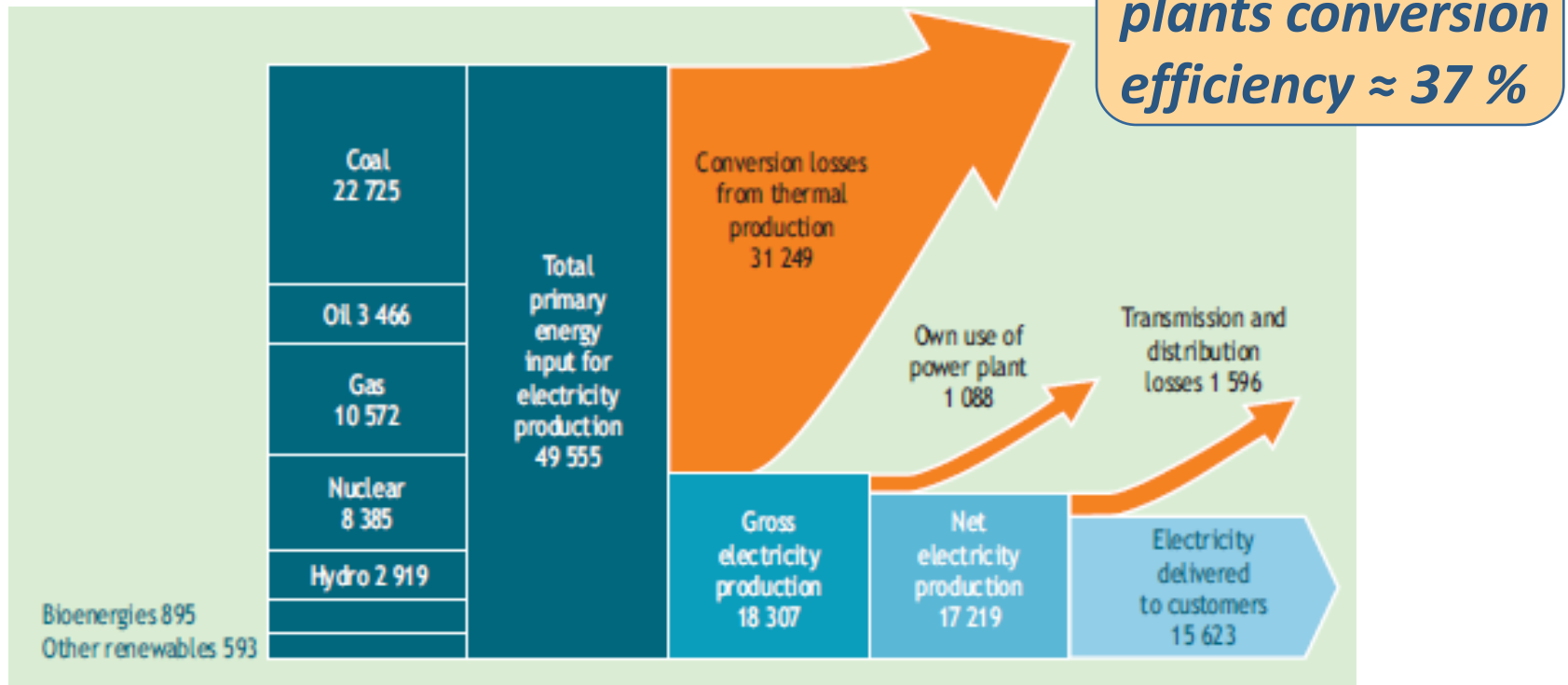
**International Energy Agency (IEA)**

**Joint CHP/DHC Workshop  
Paris, 12-13 February 2013**

# Overview

- **Why CHP/DHC?**
- **IEA CHP/DHC Collaborative background**
- **Phase I & II (2007-2012) achievements**
- **What is next?**

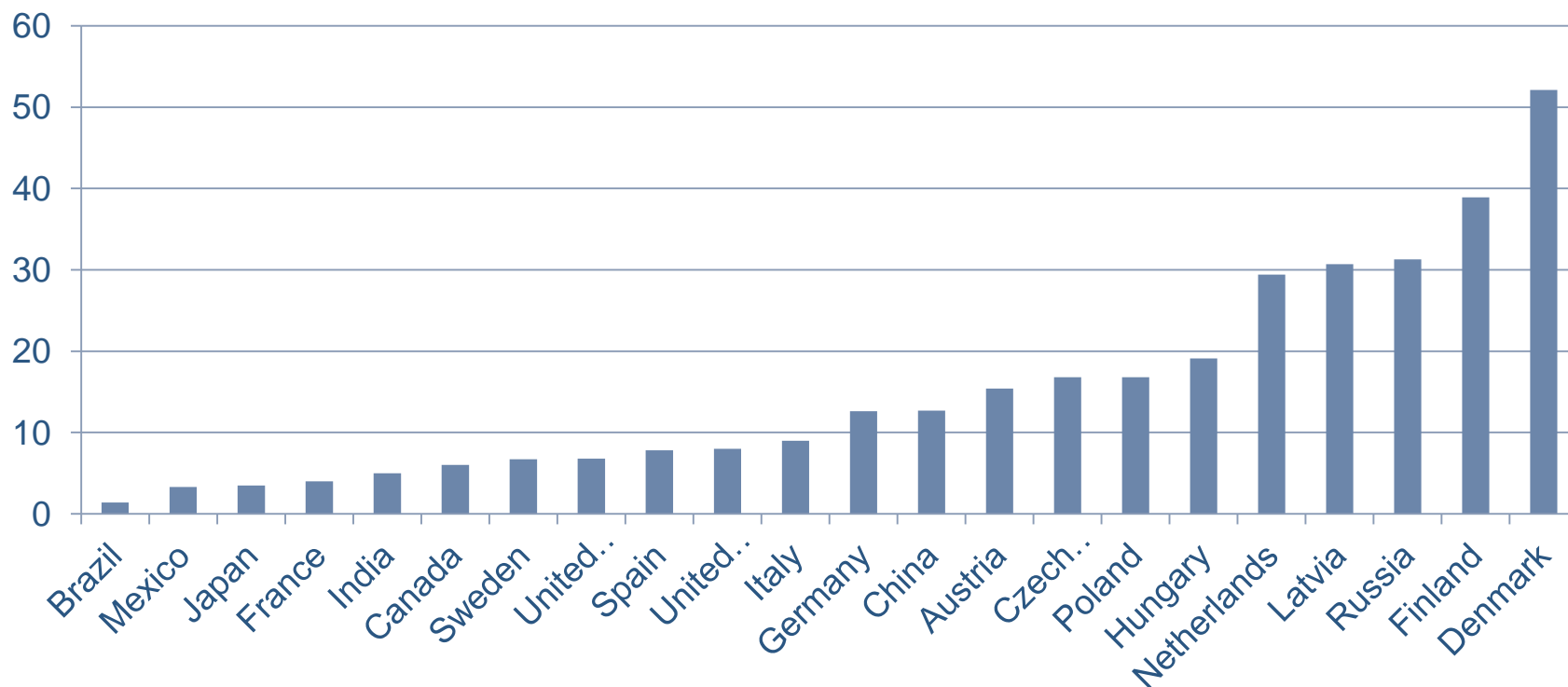
# Why CHP?



**Cogeneration efficiency  $\approx 75-80\%$**

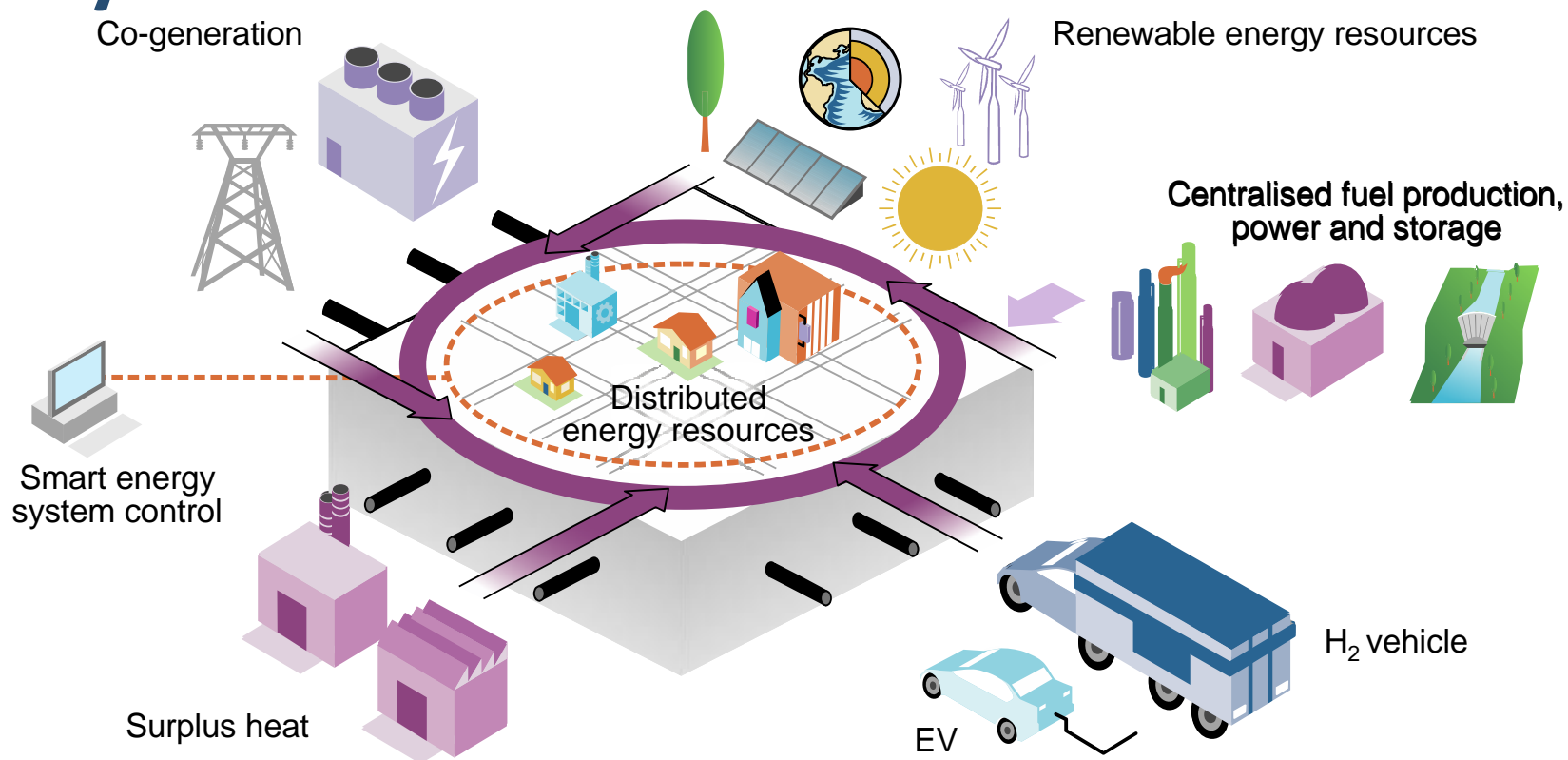
# However...

## CHP Share of Total National Power Production (%)



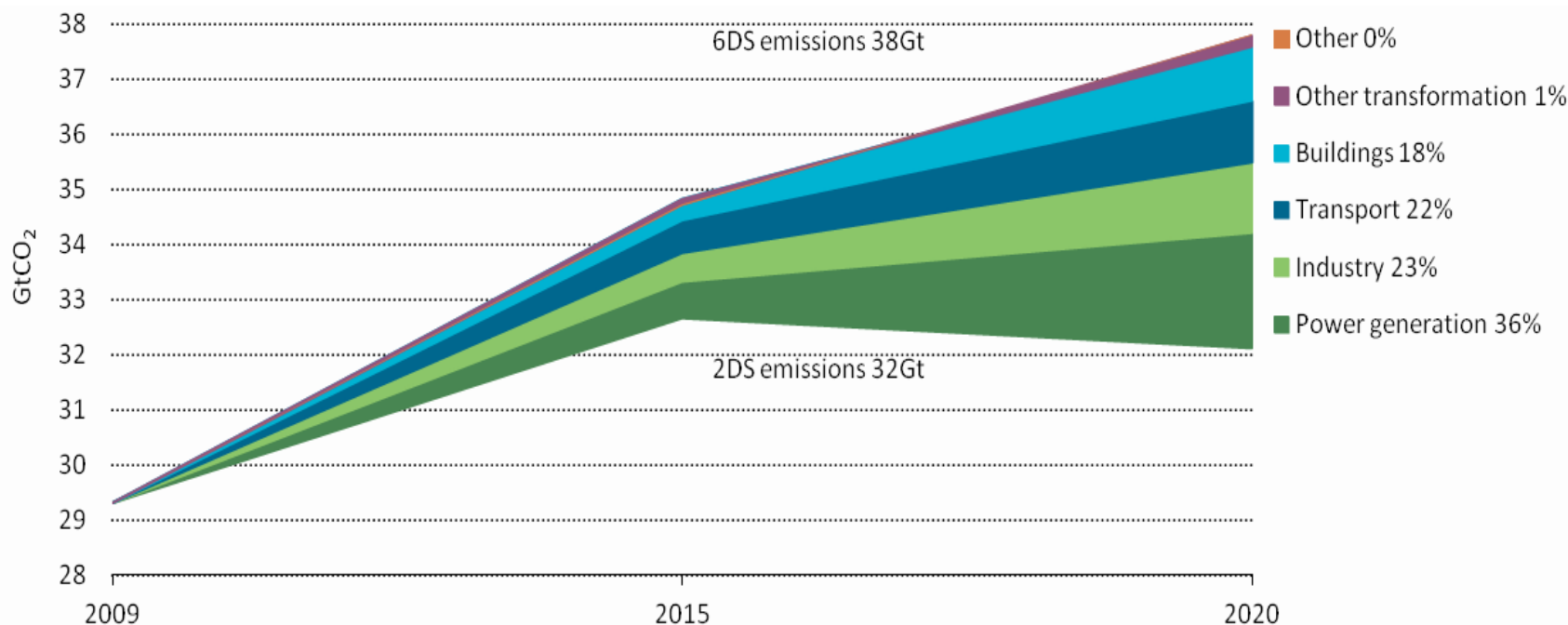
***The global average is just 9%***

# Why efficient DHC?



***DHC: flexible platform for CHP and renewable heat sources***

# Global CO<sub>2</sub> emissions under ETP 2012



***Power sector accounts for 36% required emissions reductions***

# IEA CHP/DHC Collaborative background

- **Who:** The IEA, working with CHP and DHC leaders worldwide
- **When:** Launched in March 2007
- **Objectives:**
  - Accelerate deployment of CHP and efficient DHC
  - CHP/DHC data collection and best practice sharing
  - Provide a forum to develop credible information and analysis

# Collaborative Phase I & II achievements

- **11 Country Scorecards**
- **CHP: evaluating the benefits of greater global investment (2008)**
- **Cogeneration and district energy: sustainable energy technologies for today and tomorrow (2009)**
- **Cogeneration and Renewables: solutions for a low carbon energy future (2011)**

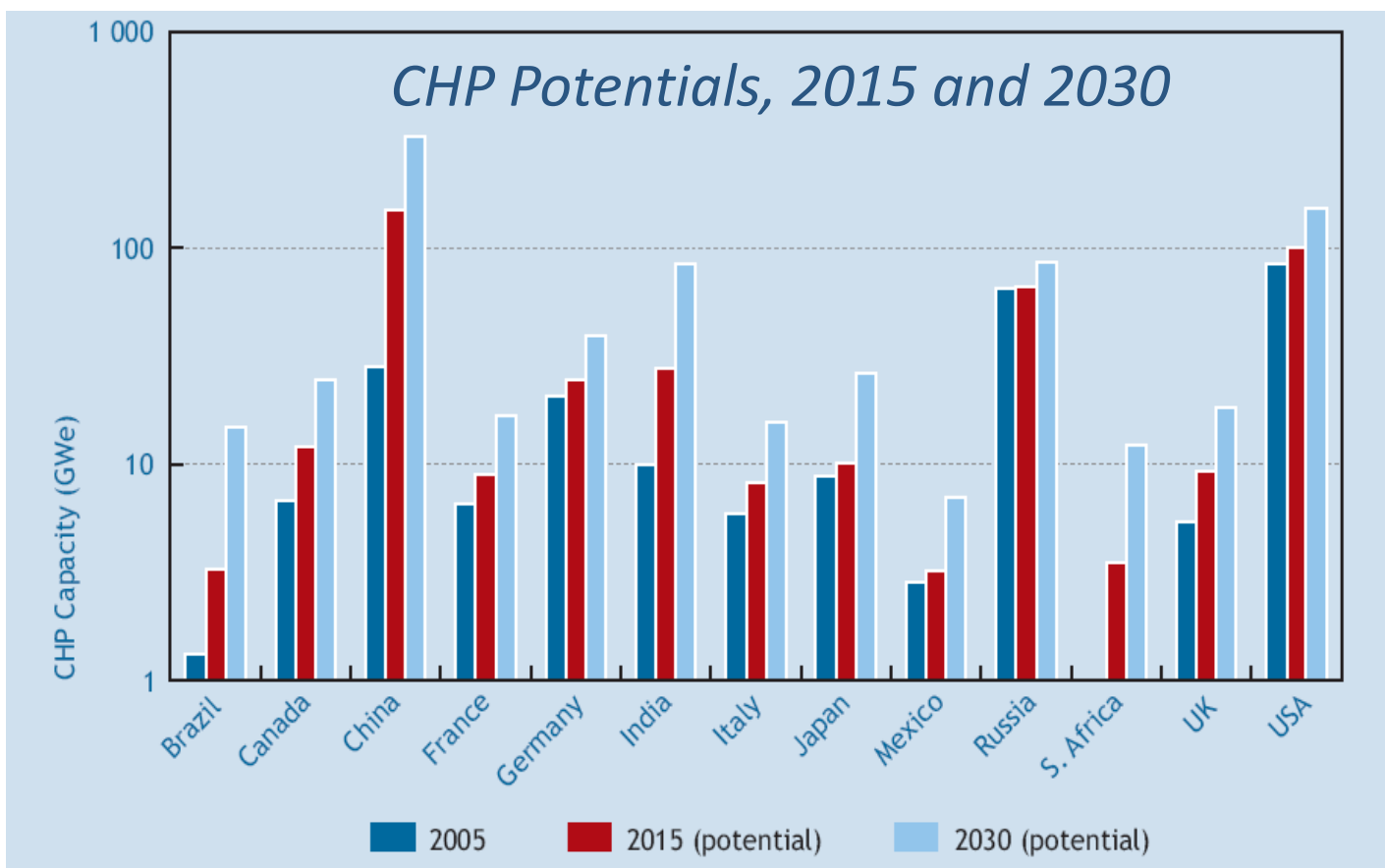


# Scorecards – Country specific reports

- **Overview of CHP/DHC at national level**
  - Technology (industrial and residential applications)
  - Market activity
  - Policy
- **Applied case studies**
- **Policy recommendations**
- **Country rating → benchmarking**

- [illegible]

# 2008 report: CHP, Evaluating the benefits of greater global investment



Source: IEA, *CHP: Evaluating the Benefits of Greater Global Investment* (2008)

## 2009 report

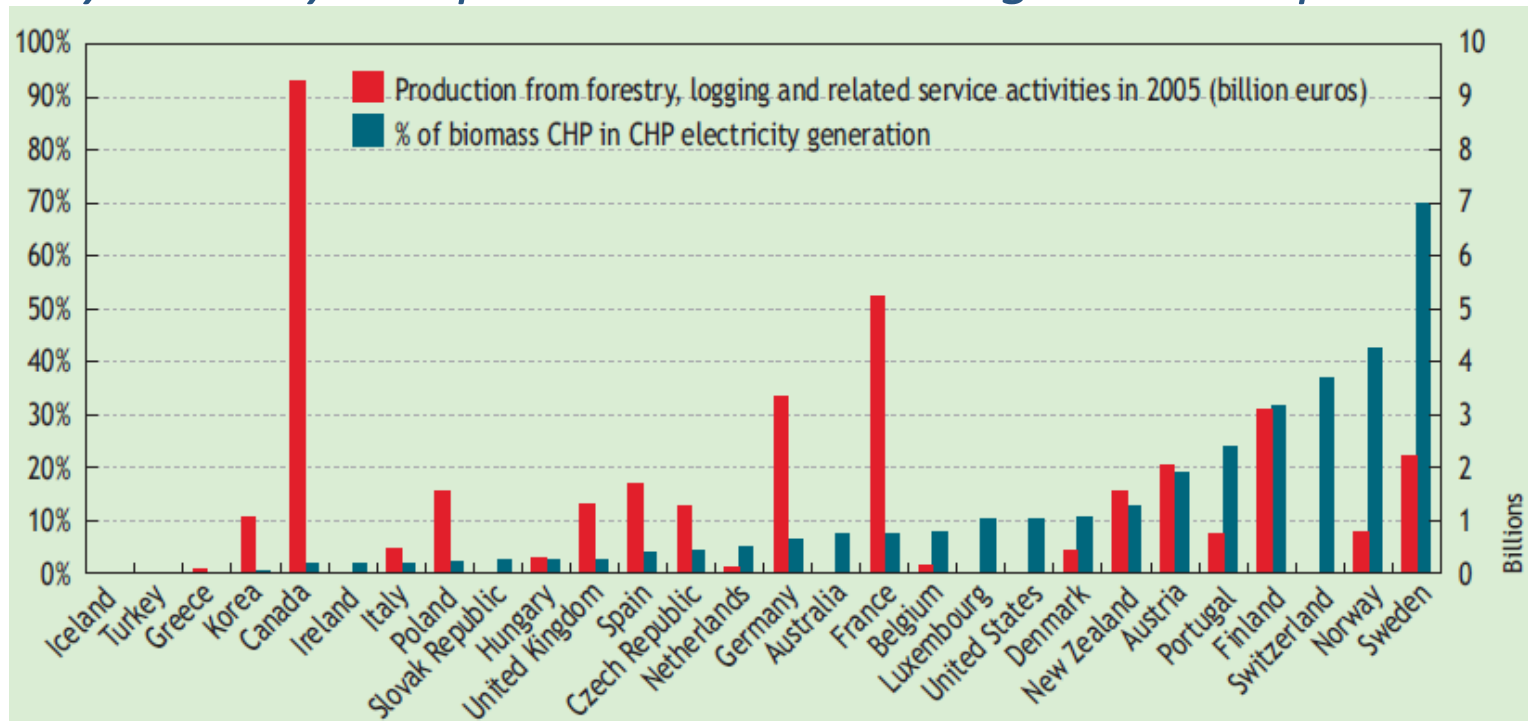
# Cogeneration and District Energy: Sustainable energy technologies for today... and tomorrow

- **Policy analysis**
  - Financial and fiscal support
  - Utility supply obligations
  - Local infrastructure and heat planning
  - Climate change mitigation
  - Interconnection measures
  - Capacity building: outreach, education and training
- **Priority actions for policy makers**

## 2011 report

# Cogeneration and Renewables: Solutions for a low-carbon energy future

### *Forestry industry compared to biomass co-generation penetration*



Source: IEA, *Cogeneration and Renewables: Solutions for a low carbon energy future* (2011)  
 No forestry industry data were available for Turkey, Ireland, Australia, US, or Switzerland

# What is next?

## IEA CHP/DHC Collaborative Phase III (2013-2014)

- Phase III work programme drafted
- Strategic discussion in current workshop
- Collaborative partners group to be conformed
- Phase III kick-off



# Thank you

[www.iea.org](http://www.iea.org)

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