



CEER Workshop
Delivering 2020 targets cost-effectively

A 2030 Framework for Climate and Energy Policies

25 June 2013

Ann-Katrin Schenk, CEDEC Policy Officer



alliander



Who is CEDEC?

- European Federation of Local Energy Companies
 - 1500 local and regional energy companies
 - Electricity and heat generation
 - Electricity and gas distribution grid & metering operators
 - Energy (services) suppliers
 - Mostly in public hands
 - 85 million electricity and gas customers & connections
 - > 350 000 employees
 - Annual turnover ca. 120 billion
 - Enhancing competition in the energy market

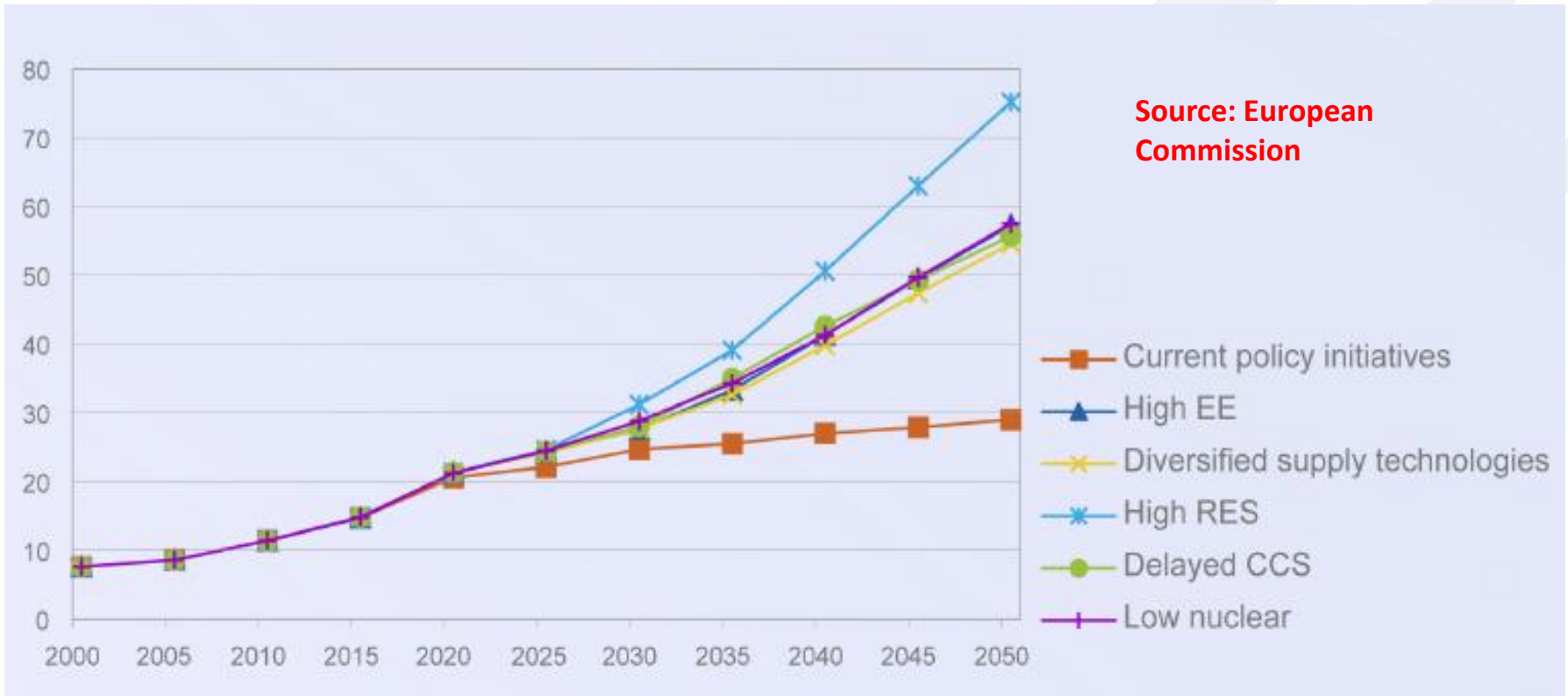


What do we have?



What will we have?

RES share in gross final energy consumption



Energy Roadmap 2050: 55 - 80% RES

What does this mean?

> 80 RES connected to distribution grids



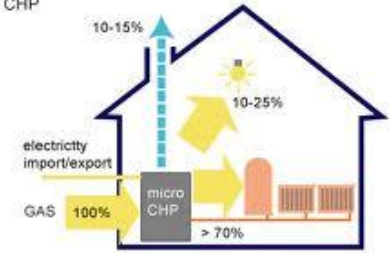
Decentralised generation



Storage



Micro CHP



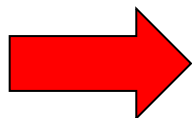
Prosumers



EV



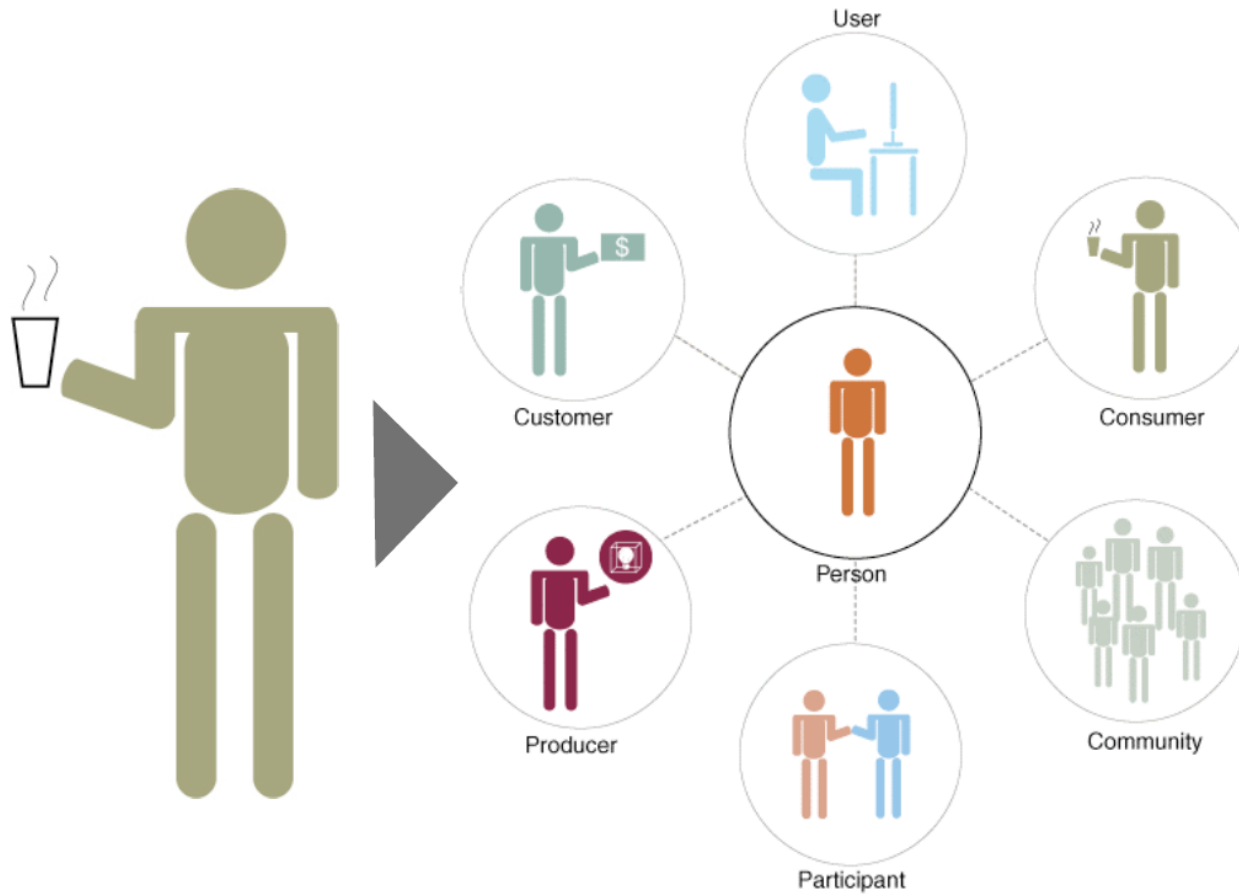
Demand-Side Management



Decentralisation
Flexibility

What does this mean?

„Activation“ of consumers



What does this mean?

New corporate strategies

Generation

- Renewable Energy
- Decentralised generation (Co/Tri-generation)
- Balancing energy

Infrastructure

- Extension of distribution grids and installation of smart grids
- Conjunction of electricity and gas infrastructure (power-to-gas)
- Demand-Side-Management

Markets

- Development of new markets (Smart home, e-mobility)
- New products
- Energy services (Energy Efficiency consulting, contracting)

Technology & Innovation

- Development & deployment of storages
- E-mobility
- Implementation of local / regional projects of climate protection

What do we need?

2020

-20% GHG
20% RES
20% EE



2030

Ambitious
and binding
targets:
GHG, RES
(EE)



2050

- 80-95%
GHG



What are the benefits of a binding 2030 RES target?

- Promote RES growth after 2020
- Strong signal for investors, especially SMEs
- Diversification of Supply
- Investments in smart distribution infrastructure: €480 bn by 2030
- Development of smart markets
- Signal to consumers
- Local jobs and growth
- Decrease of EU energy dependence



Policy Recommendations

- Revive ETS
- Phase –out subsidies for fossil fuels and nuclear
- Regulatory frameworks incentivising investments in smart infrastructure
- Abolish non-economic barriers
- Energy Efficiency
- Sustainable, integrated market design

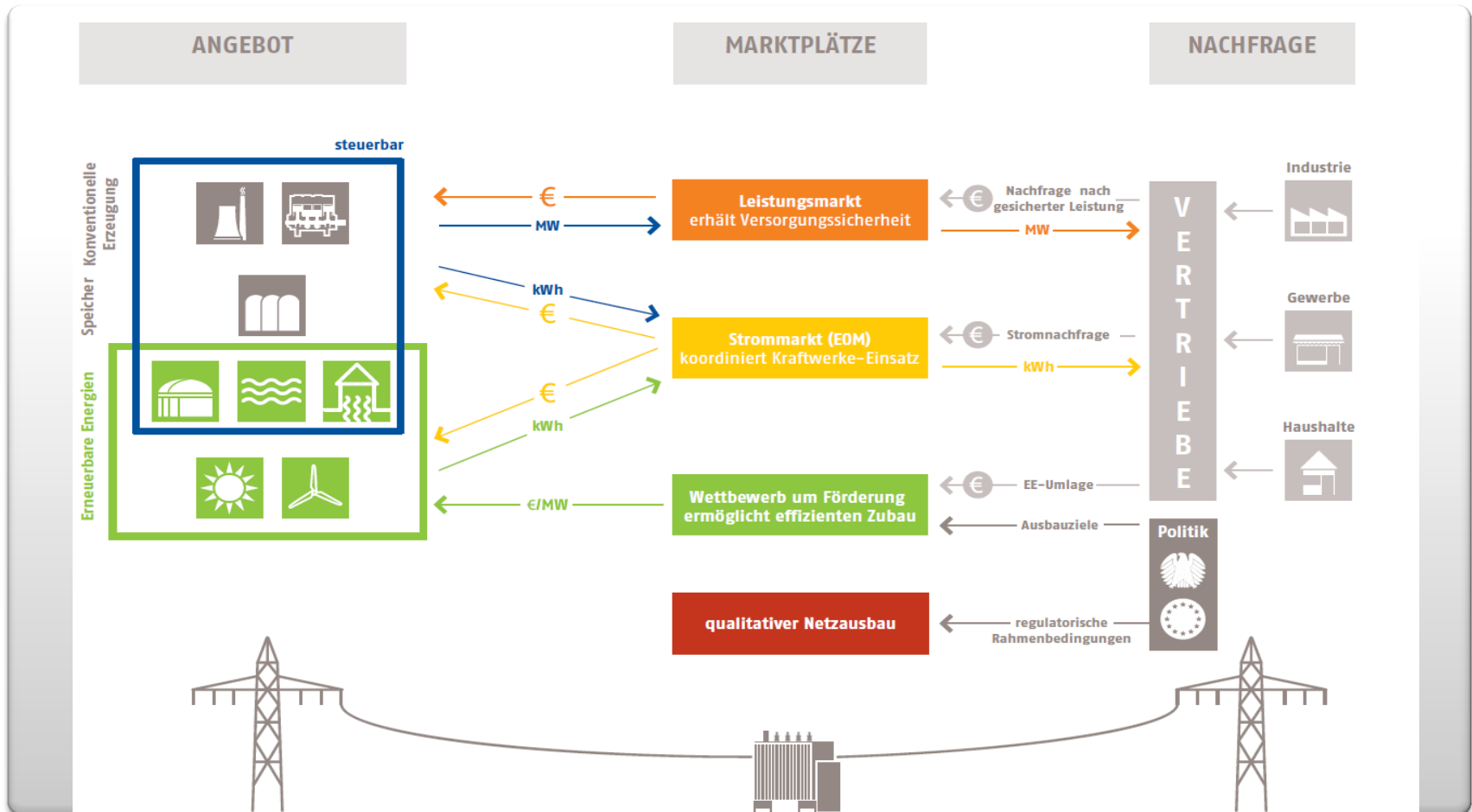
Target system of an integrated Energy Markt Design

Endorsement of the classic target system with respect to the elements:

- **Transparency and Simplicity**
(enabling the participation of proper market actors)
- **European Integration**
(compatibility with the European Internal Market)
- **Competitive Organisation** (cost efficient energy supply system)



Model of an integrated Energy Markt Design (iEMD)





Thank you very much!

CEDEC

Ann-Katrin Schenk

Ann-Katrin.Schenk@cedec.com