

# Schemes, networks and tariffs

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**Martin K. Patel**  
**Chair for Energy efficiency**

University of Geneva  
Institute for Environmental Sciences and Forel Institute  
Boulevard Carl-Vogt 66, 1205 Geneva, Switzerland  
Tel +41 (0) 22 379 0658 - Mobile +41 (0) 789 679 033  
[martin.patel@unige.ch](mailto:martin.patel@unige.ch)

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- Tender-based energy saving schemes
- Learning networks
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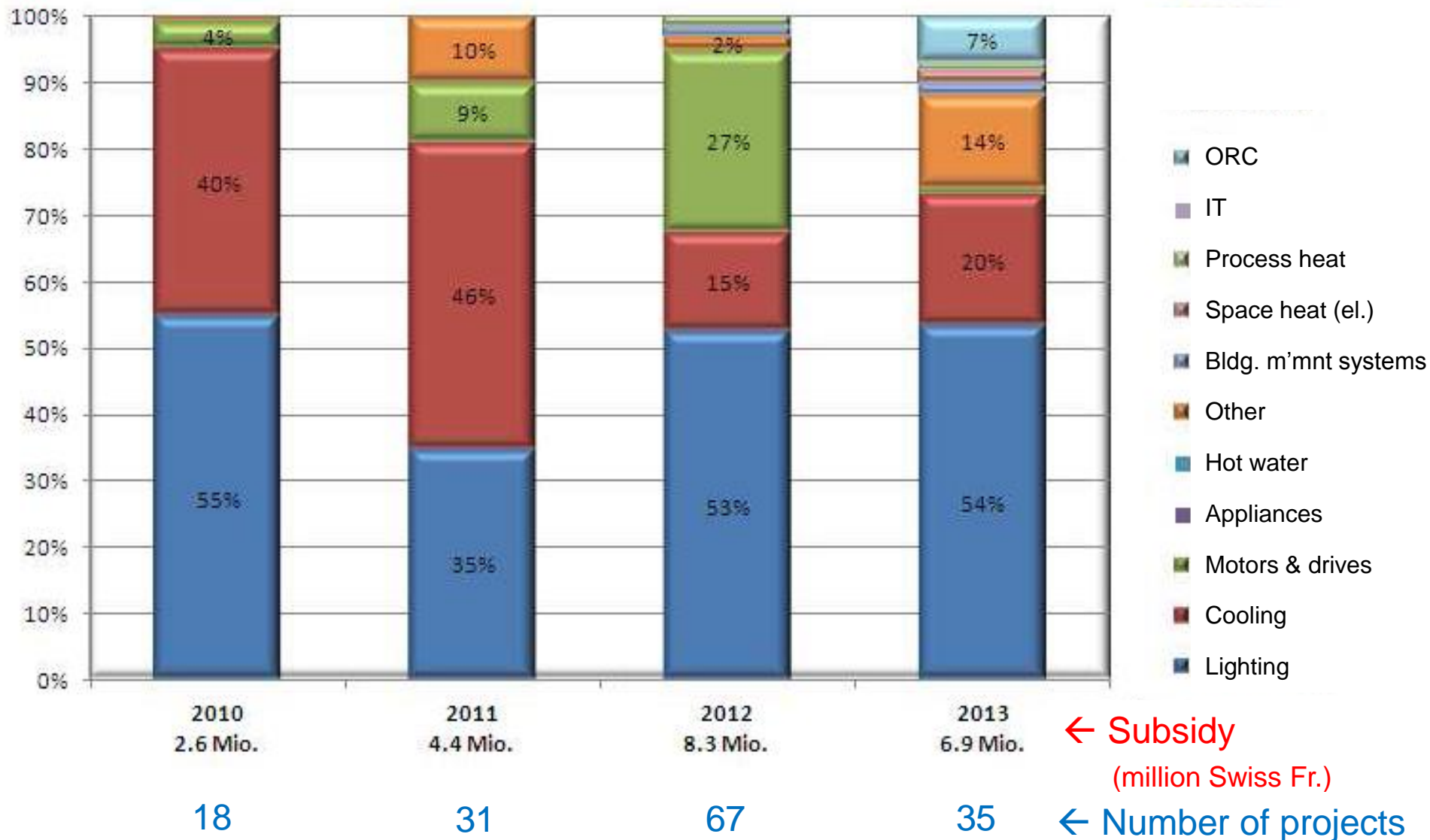
# Swiss tender-based energy saving scheme

## ProKilowatt

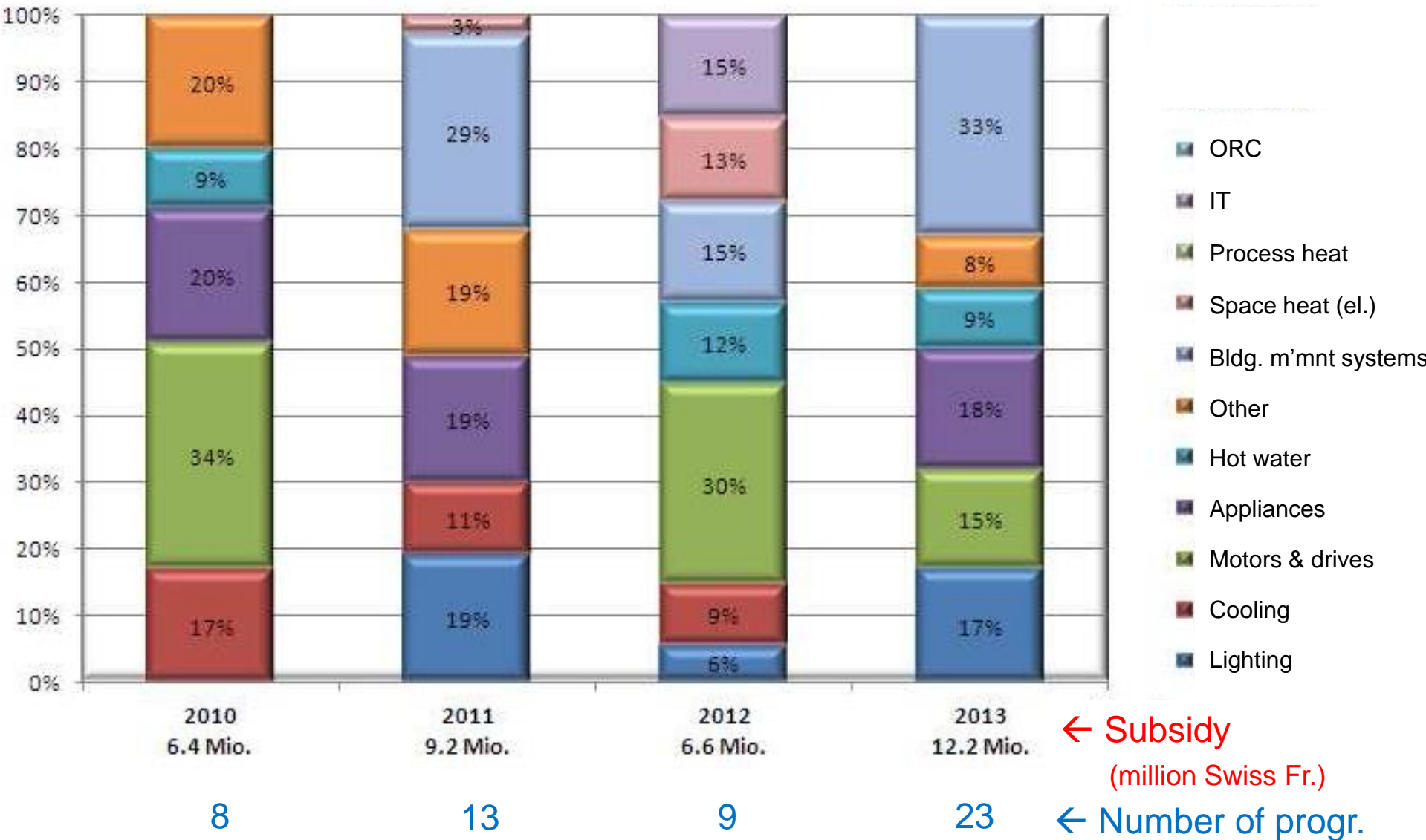


- SFOE support 'projects' or 'programmes' for saving electricity
- 'Projects' or 'programmes' can be proposed by companies (e.g., engineering firms or ESCOs), private persons, public sector or consortia
- Tender-based: Success chances increase with higher energy savings and lower cost (of the 'projects' or 'programme')
- Subsidies only for measures with PBT of at least 5 and 9 years respectively
- Voluntary submission, voluntary participation

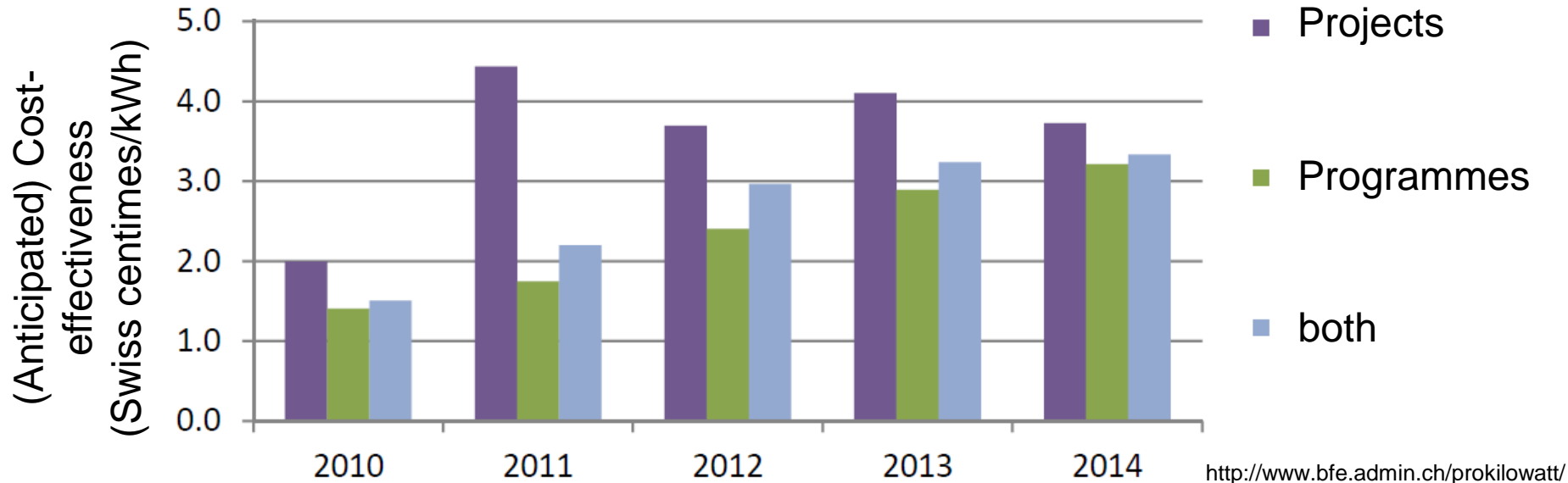
# Swiss tender-based energy saving scheme ProKilowatt PROJECTS



# Swiss tender-based energy saving scheme ProKilowatt PROGRAMMES



# Swiss tender-based energy saving scheme ProKilowatt



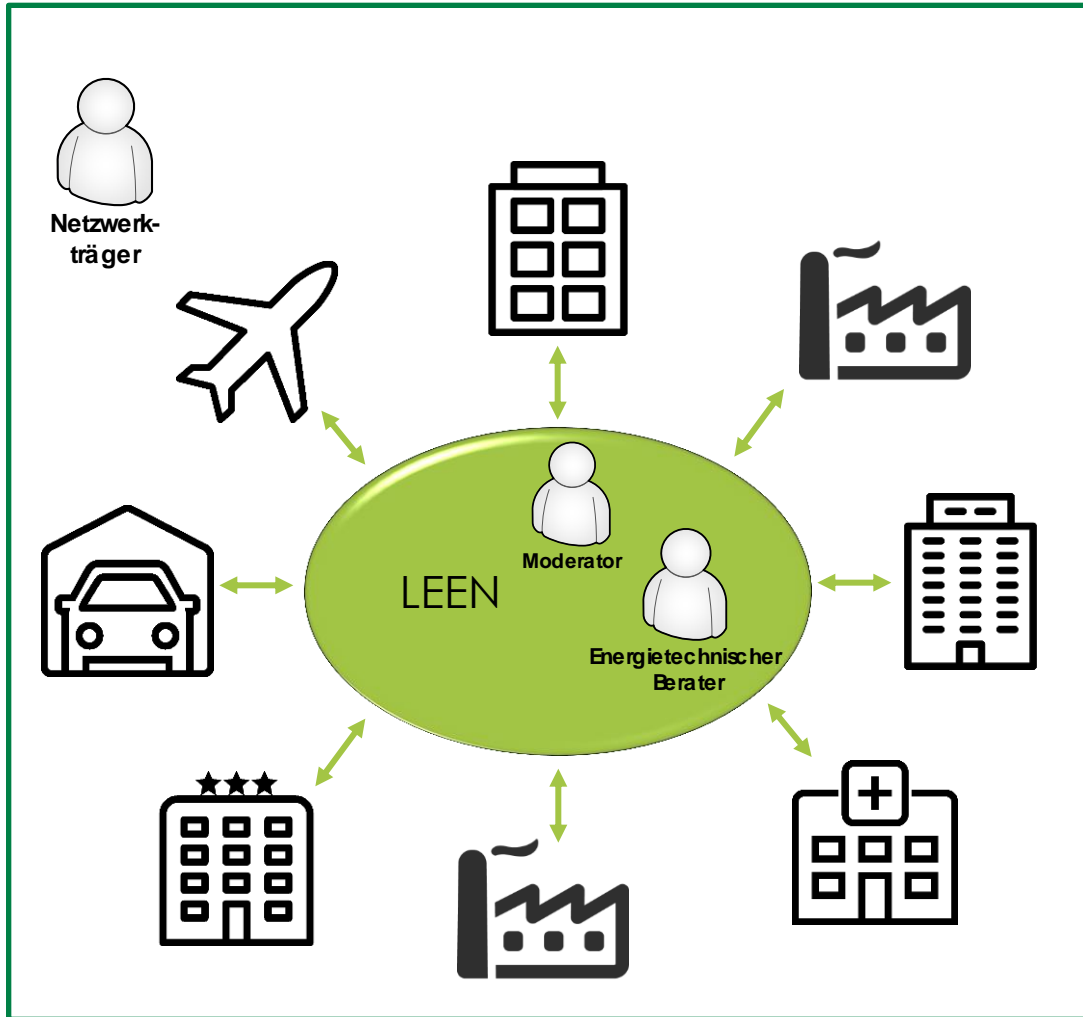
For comparison:

- Swiss hydropower prod. costs: 5-7 Swiss centimes/kWh
- Swiss household electricity prices: 20-25 Swiss centimes/kWh
- Swiss industry/commerce electricity prices: ~15 Swiss centimes/kWh

For energy supplier (e.g. as EEO):

- Interesting, if no/too little/retiring capacity
- possibly not interesting, if assets in production & grids and no supply bottlenecks

# Learning energy efficiency networks (1/2)



- Typically composed of companies located in a given region, active in different sectors
- in CH, DE, AT, ...
- Currently 50 networks operational in Germany, 500 planned until 2020
- Voluntary (but possibly as reaction to political pressure)
- Energy audit per company or per site
- Regular meetings with moderator and energy technology expert
- Agreement on joint energy-efficiency target

Source image: LeEN (Lernende EnergieEffizienz-Netzwerke)

## Learning energy efficiency networks (2/2)

Measures implemented within the German “30 Pilot-Netzwerke” \*)

Companies	#	210
Technical measures	#	1'980
Total final energy use	GWh	14'100
<b>Saved final energy use</b>	<b>GWh</b>	<b>870</b>
Electricity	GWh	340
Natural gas	GWh	275
Fuel oil	GWh	80
District heating	GWh	39
Other	GWh	85

Average reporting period: 2.7 years

Average annual energy  
efficiency improvement: **2.2% p.a.**

\*) personal communication with D. Köwener, LEEN (Lernende Energieeffizienz-Netzwerke), 2015



# Tariffs for saving electricity in households

## Progressive Tariff (PT)



## Energy savings feed-in tariffs (ESFIT)



# Comparison effectiveness ESFIT and PT

Preliminary results - Confidential

*To be published*