



# WITH A BIT OF HELP FROM MY FRIENDS

THE IMPORTANCE OF NETWORKS

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# Energy-efficiency networks supported by the Swedish Energy Agency



BeBo  
BELOK  
BeLivs  
BeSmå  
Grön IT  
Sust  
...

# SWEDISH NATIONAL NETWORKS



BeBo  
BELOK

## → Aims of the networks :

- Strengthen relations between government, business and academia
- Stimulate development of innovative and new viable technologies, systems and methods for energy efficiency
- Disseminate, implement and create case studies

...

# SWEDISH NATIONAL NETWORKS



BeBo

- Initiated 1989
- Residential buildings property owners
- 26 of the largest Swedish property owners that own and develop residential buildings
- ~13 % of Swedish residential building stock (in terms of area)

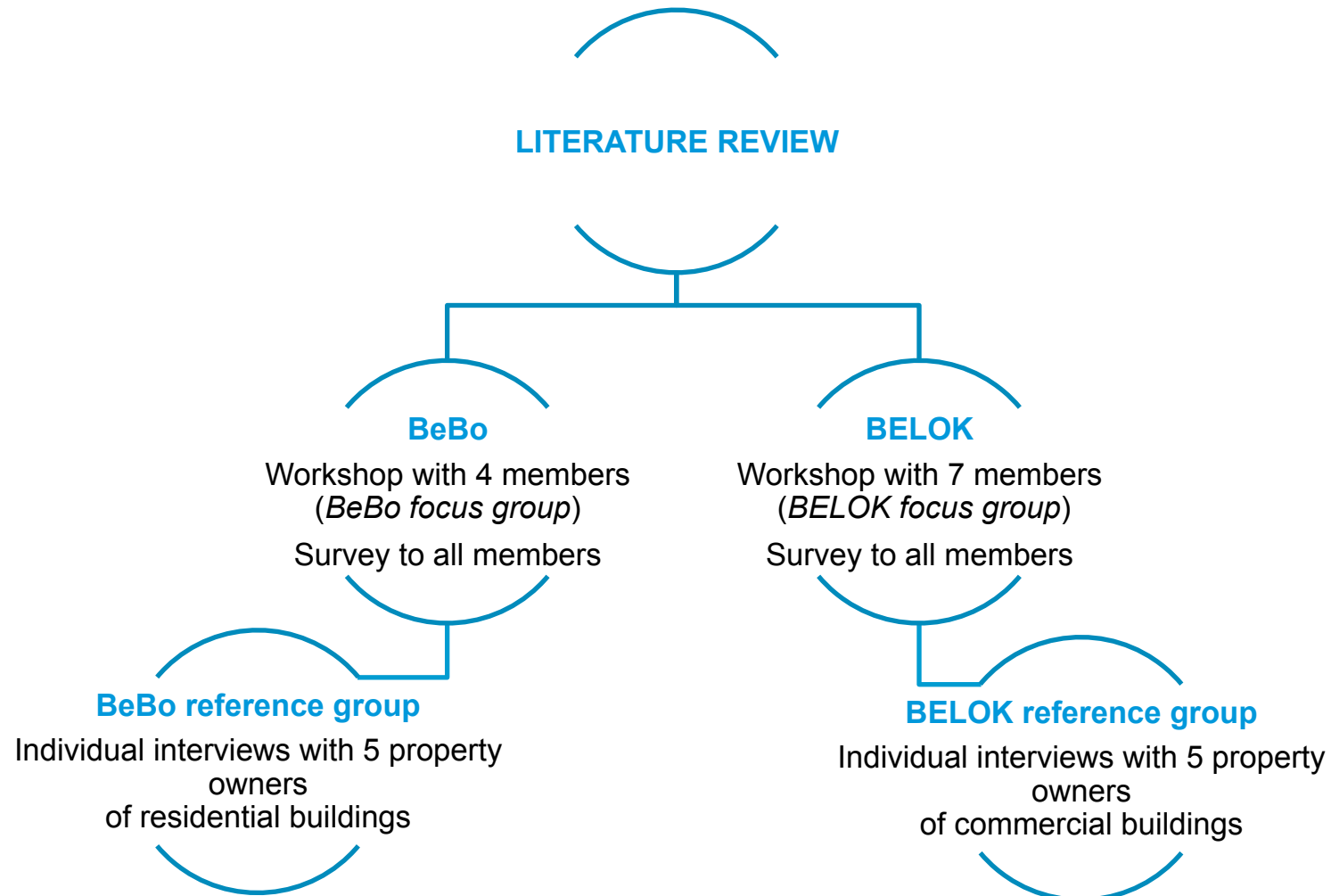
# SWEDISH NATIONAL NETWORKS



## BELOK

- Initiated in 2001
- Non-residential building property owners
- 19 of the largest Swedish property owners that own and develop commercial buildings
- ~20 % of the Swedish commercial building stock (in terms of area)

# METHODOLOGY





# WHAT IMPACT HAVE THE NETWORKS HAD?

- I. The benefits of being a member of BeBo or BELOK
- II. The benefits of using tools and concepts developed by BeBo or BELOK
- III. Do non-member property owners benefit from the networks' existence?
- IV. What differences regarding achieved and predicted energy efficiency can be seen between BeBo or BELOK network members and non-members?

# FINDINGS



## I. THE BENEFITS OF BEING A MEMBER OF BEBO OR BELOK

- Participants in both *focus groups* expressed that they benefit from their memberships
- Both networks have contributed to the individual members' own energy efficiency work, trade collaboration, and knowledge and experience sharing
- The networks play an important role in raising members' awareness and professional knowledge on energy related issues
- Other members' contributions are used as “leverage” to start individual projects within the individual organisations

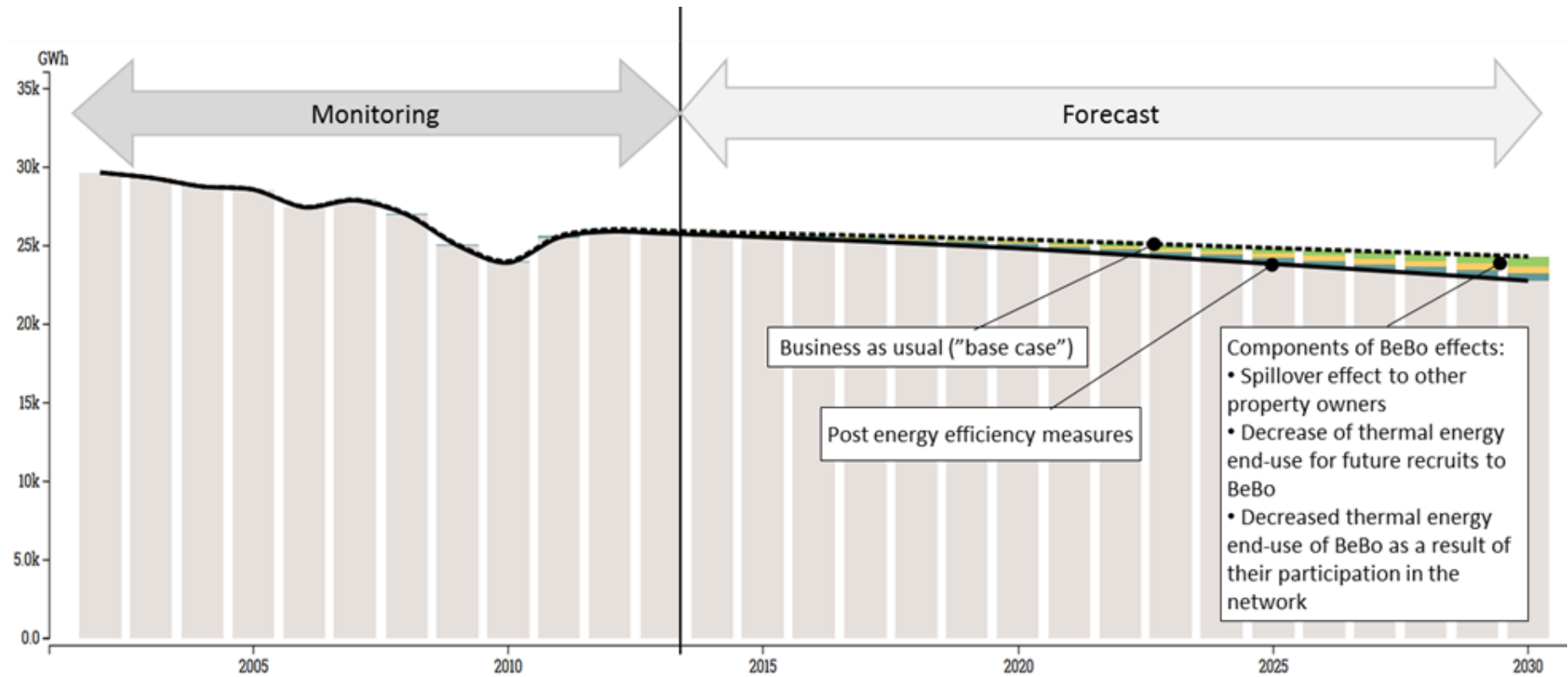
## II. THE BENEFITS OF NETWORK TOOLS AND OTHER BEBO OR BELOK ACTIVITIES

- ~ 50 % of the network members are convinced that their membership has impacted their energy efficiency cost-benefit analysis methods
- A majority of the members use the tools that have been developed within the networks
- 7 of 13 BeBo members that participated in the evaluation process use the BeBo developed tool for in-deep energy efficient renovation (Rekorderlig Renovering)
- 7 of 10 members of BELOK that participated in the evaluation use all of the network's tools – the Total Concept method is the most widely used

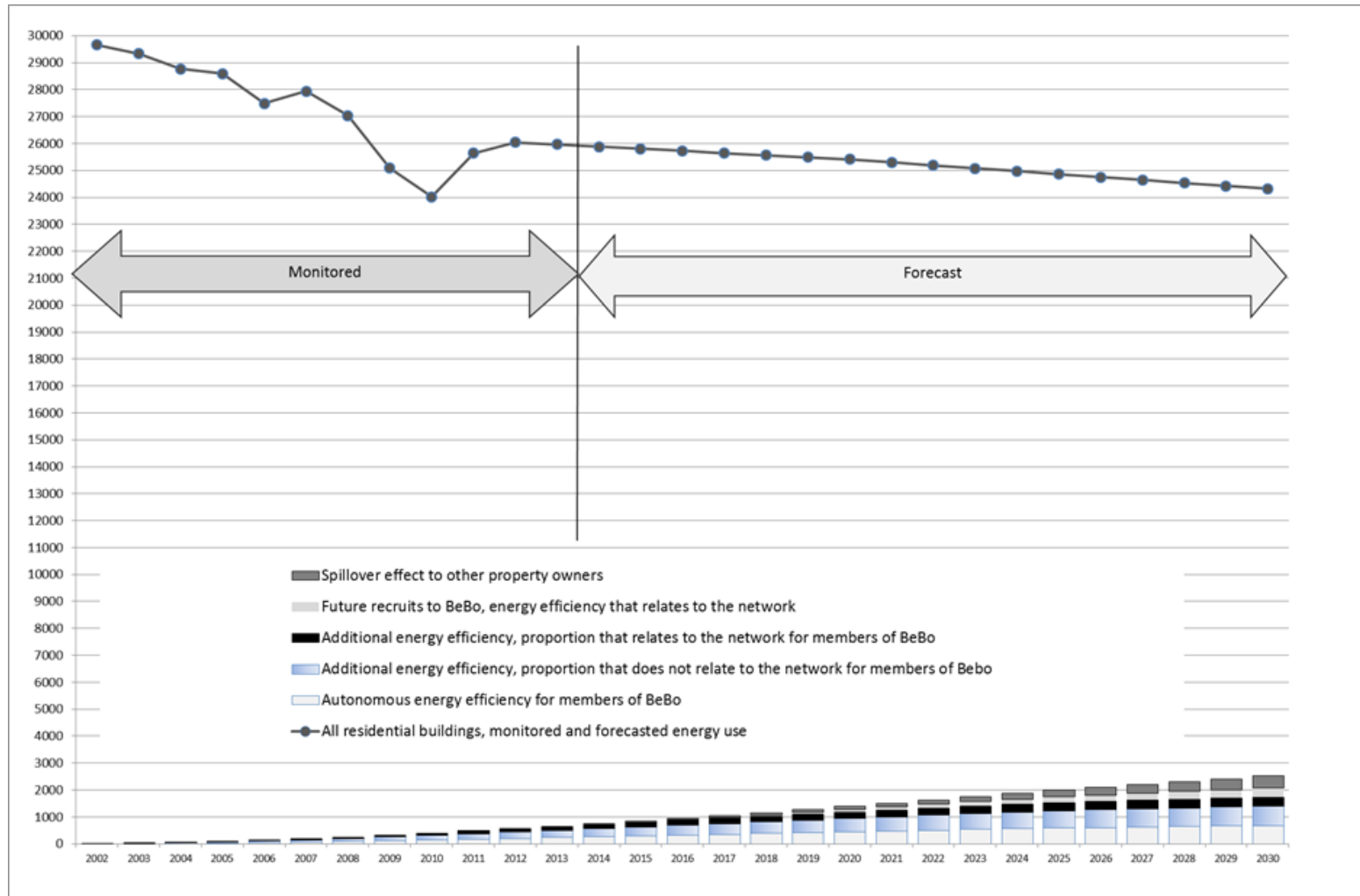
### III. NON-MEMBERS BENEFIT FROM THE NETWORKS

- BeBo and BELOK are known among non-members of the *reference groups*
- Though dissemination outside the networks seem weak
  - 1 of 5 representatives in the *BeBo reference group* stated that they use the networks materials
  - BELOK seems to have a slightly stronger position – several non-members regularly visit the website, and 2 of the 5 in the reference group have used all or parts of the Total Concept method

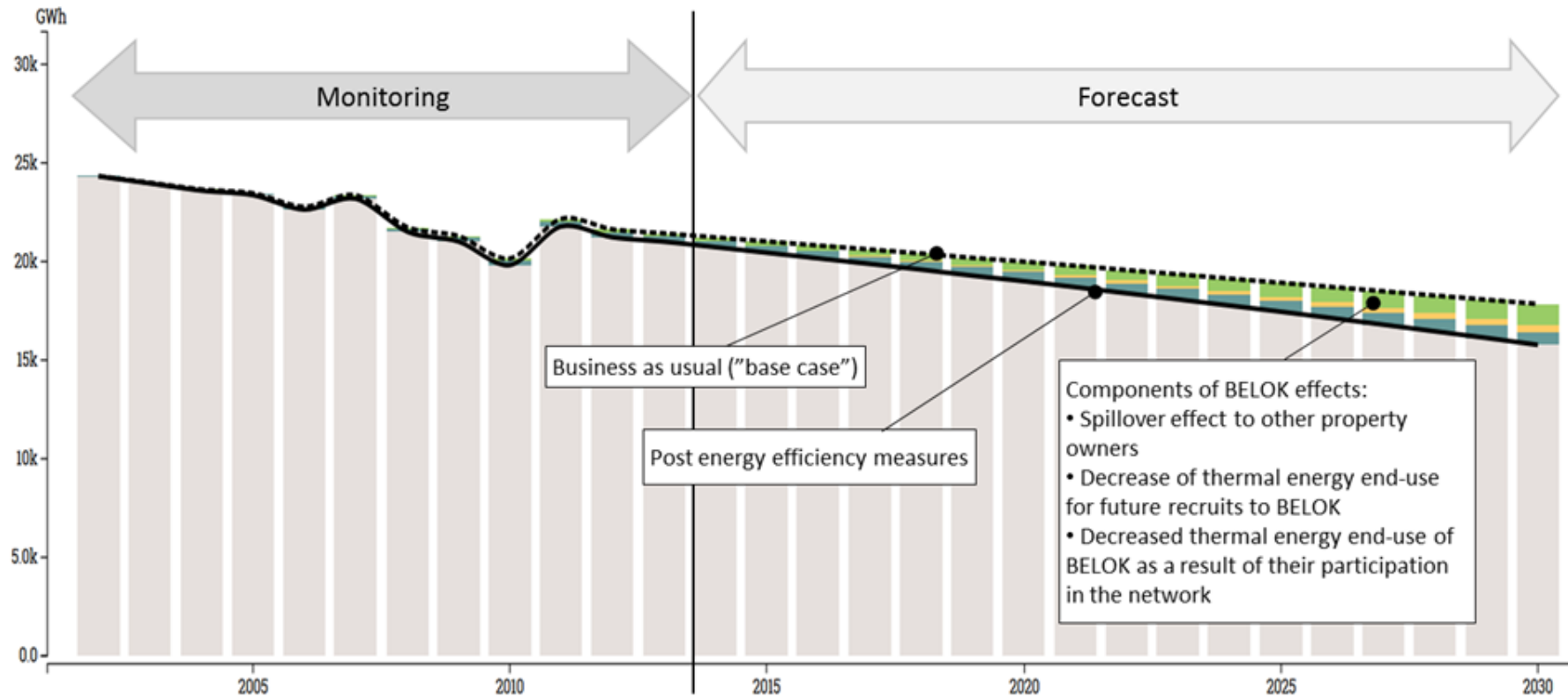
# BeBo impact



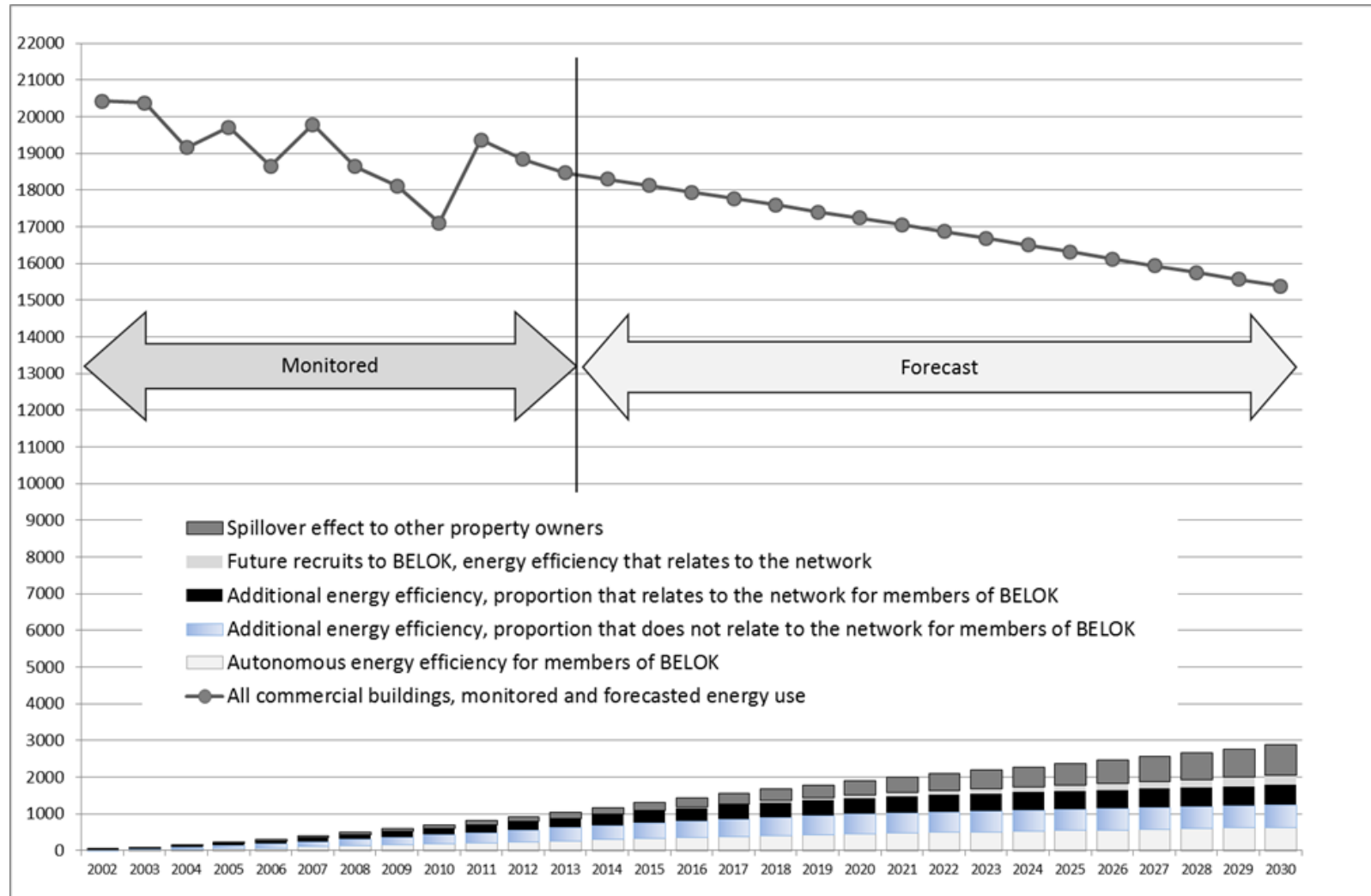
# BeBo impact



# BELOK impact



# BELOK impact





## IV. DIFFERENCES REGARDING ACHIEVED AND PREDICTED ENERGY EFFICIENCY

### BeBo

- 0.5 % decrease of thermal energy end-use in the Swedish residential building stock (eq. to ca 135 GWh/a) by 2013
- 5 % (1 200 GWh/a) by 2030
- Positive impact on electricity use too, but not quantified in this project

### BELOK

- 2.3 % decreased of thermal energy end-use in the Swedish commercial building stock (equivalent to ca 430 GWh/a) by 2013
- 11 % (1 650 GWh/a) by 2030
- Positive impact on electricity use too, but not quantified in this project

# CAN THE SAME KIND OF NETWORKS BE IMPLEMENTED IN OTHER COUNTRIES?

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