

# Quality frameworks for cavity insulation of existing walls

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**UBAtc**

Union belge pour l'**A**grément **t**echnique de la construction

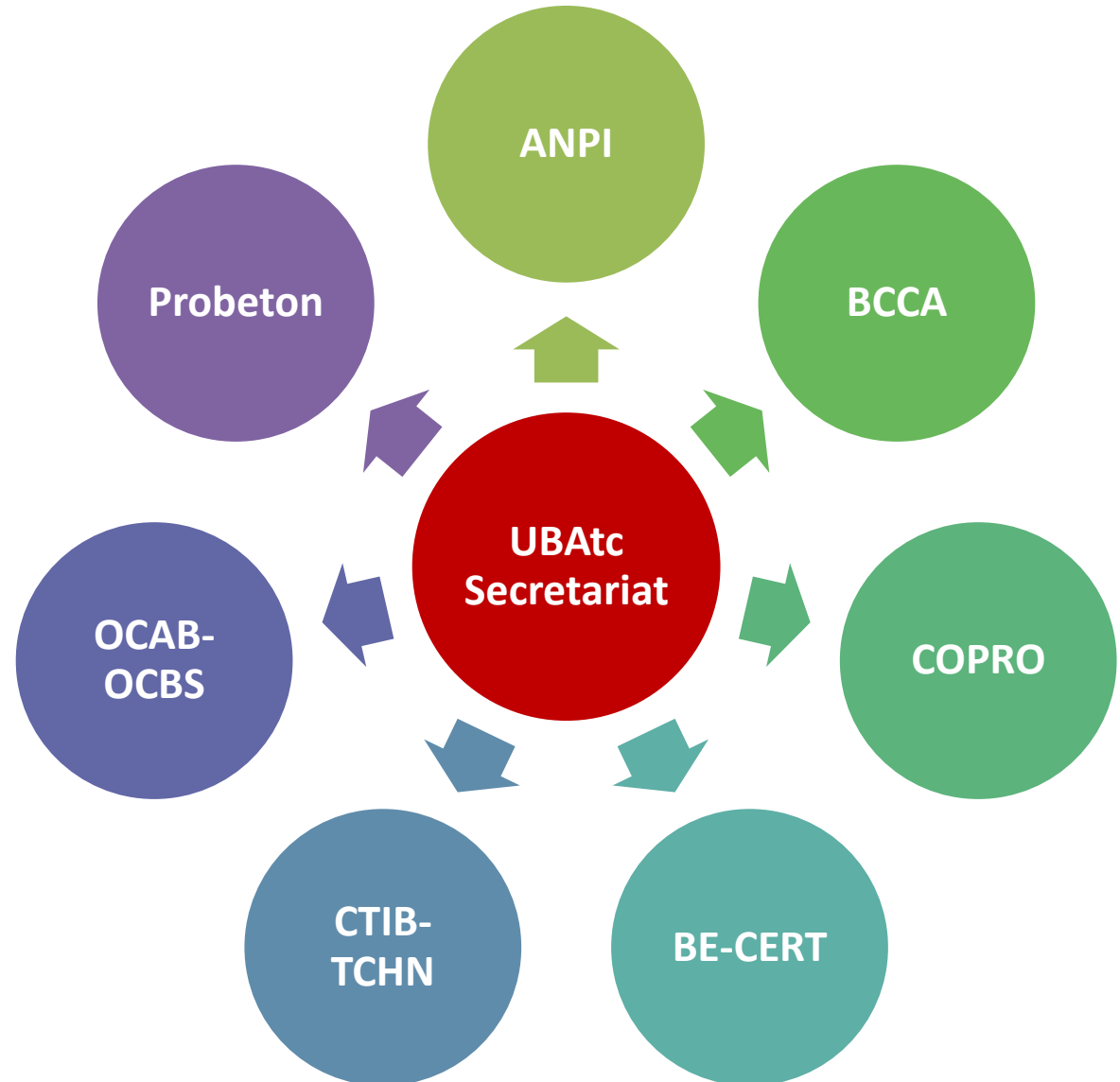


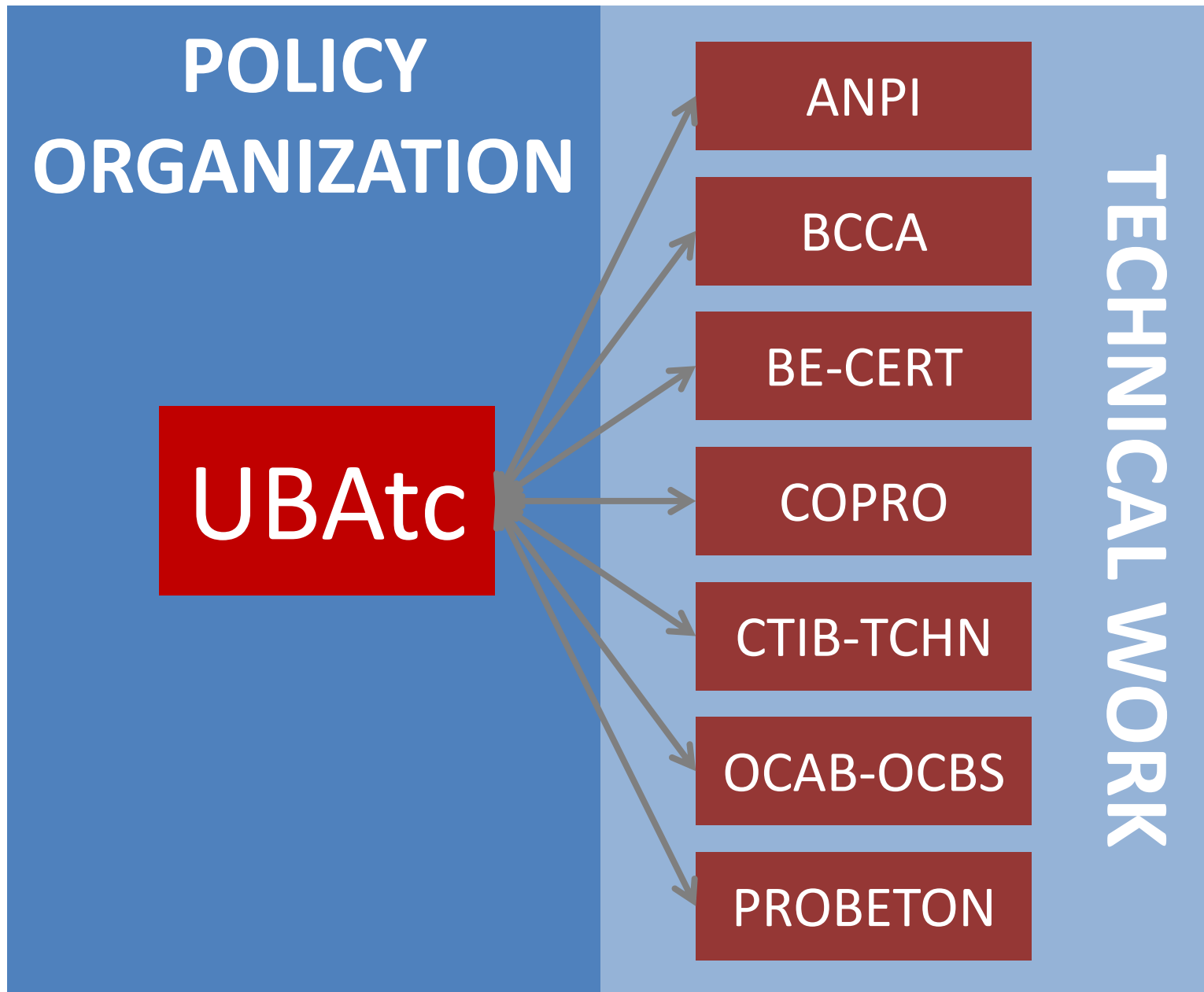
# UBAtc ... managed by the construction sector, at the service of the construction sector



## Organization of work

- **UBAtc is the Technical Approval/Assessment Body**
- **Technical work is subcontracted to its member organisations, the approval and/or certification operators**





# Cavity wall insulation for existing walls

## Experiences in Belgium

- **1980-1990:**
  - Several technical approvals were issued for several types of in-situ products
  - A limited number of poorly executed works lead to a decreased interest in the technique
- **1990-2010:**
  - The market share for cavity wall insulation with in-situ insulation products had a small market share

# Cavity wall insulation for existing walls

## Challenges

- Limited knowledge
- Lack of trust in products/systems and competence
- No technical approvals, no standards, no state-of-the-art rules

# Cavity wall insulation for existing walls

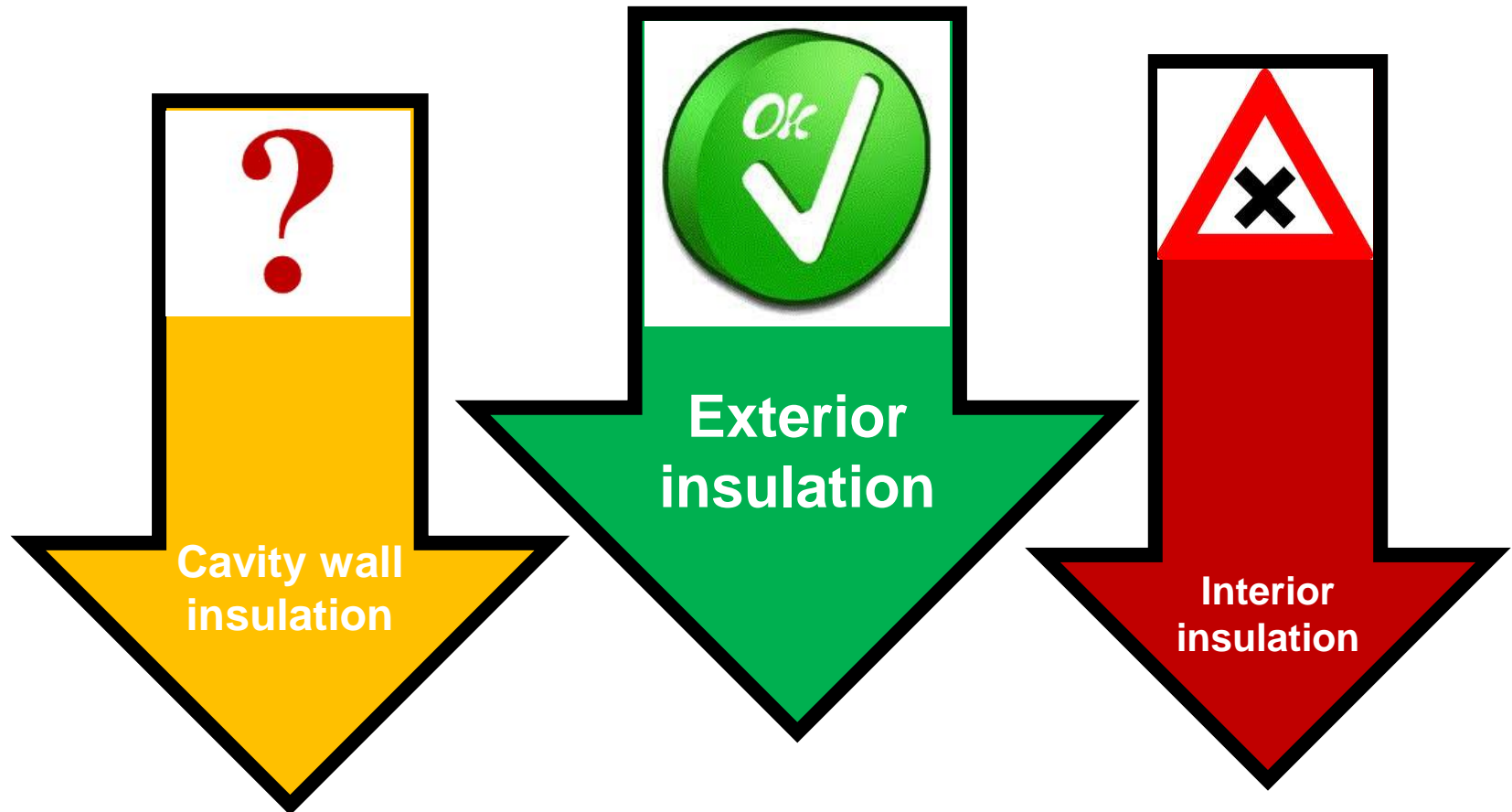
## Renewed interest

- 20-20-20 challenges impose energy consumption reduction
- Large numbers of cavity walls that are not filled
- Relatively cheap solution offering significantly improved thermal performances

**MISSION: INSULATE ALL EXISTING WALLS**

**≤ 2009**

**PROBLEM: poorly insulated existing walls**

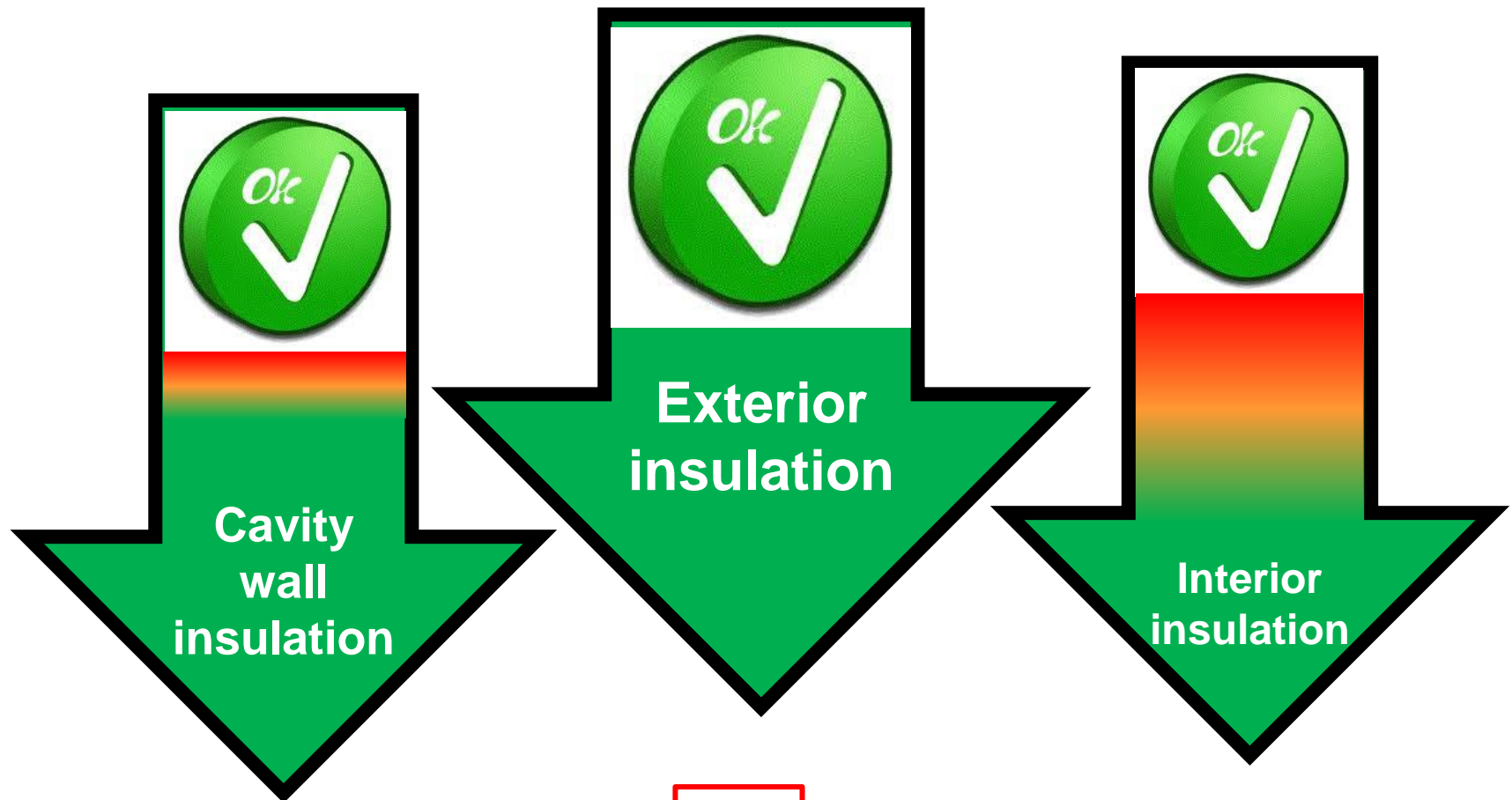


**MISSION: INSULATE ALL EXISTING WALLS**



# 2012-2014

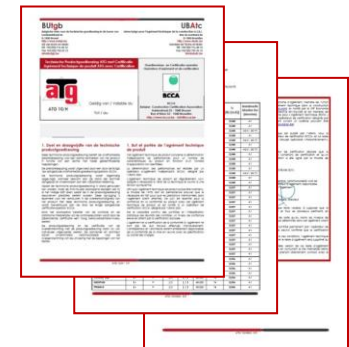
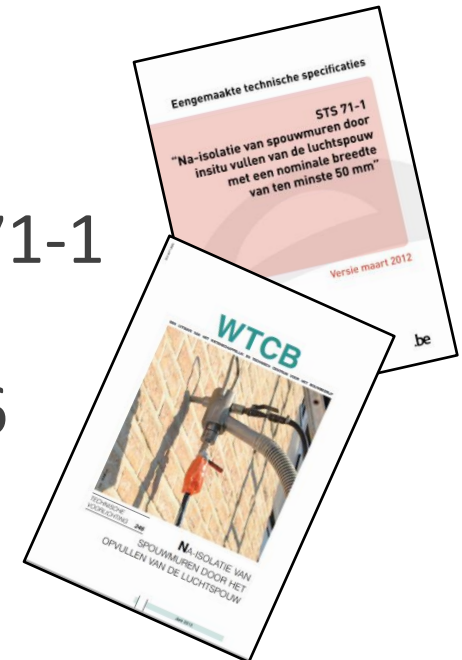
## PROBLEM: poorly insulated existing walls

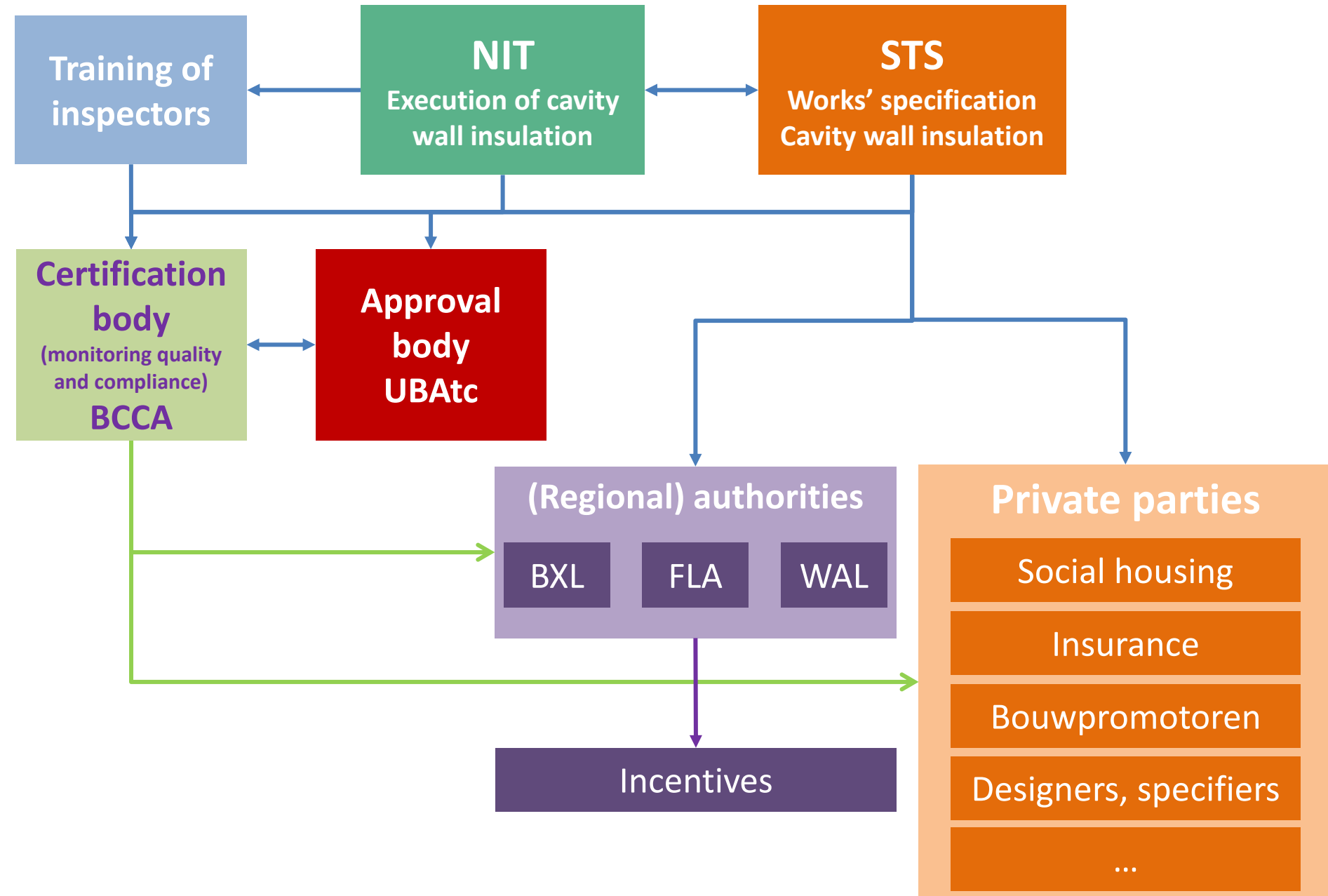


**MISSION: INSULATE ALL EXISTING WALLS**

# Technical Reference documents

- Developed at sectoral level
  - Technical specification for works - STS 71-1  
(issued by the Federal Public Services Economy)
  - Technical note for installation – NIT 246  
(issued by the Belgian Building Research Institute)
- Developed by third parties
  - Guide for the issuing of Technical Approvals, ATG  
(UBAtc)
  - Certification regulation  
(Belgian Construction Certification Association)



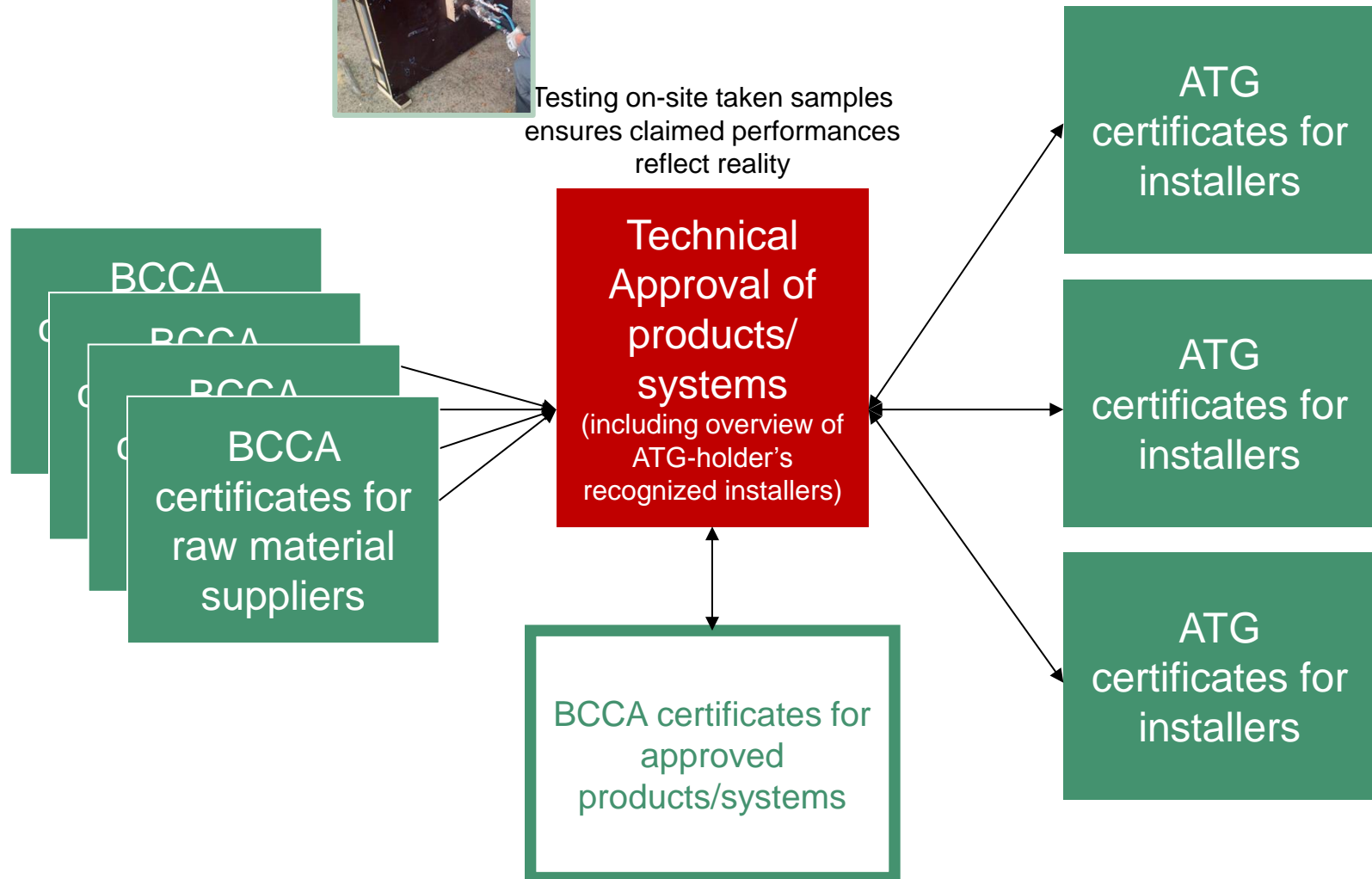


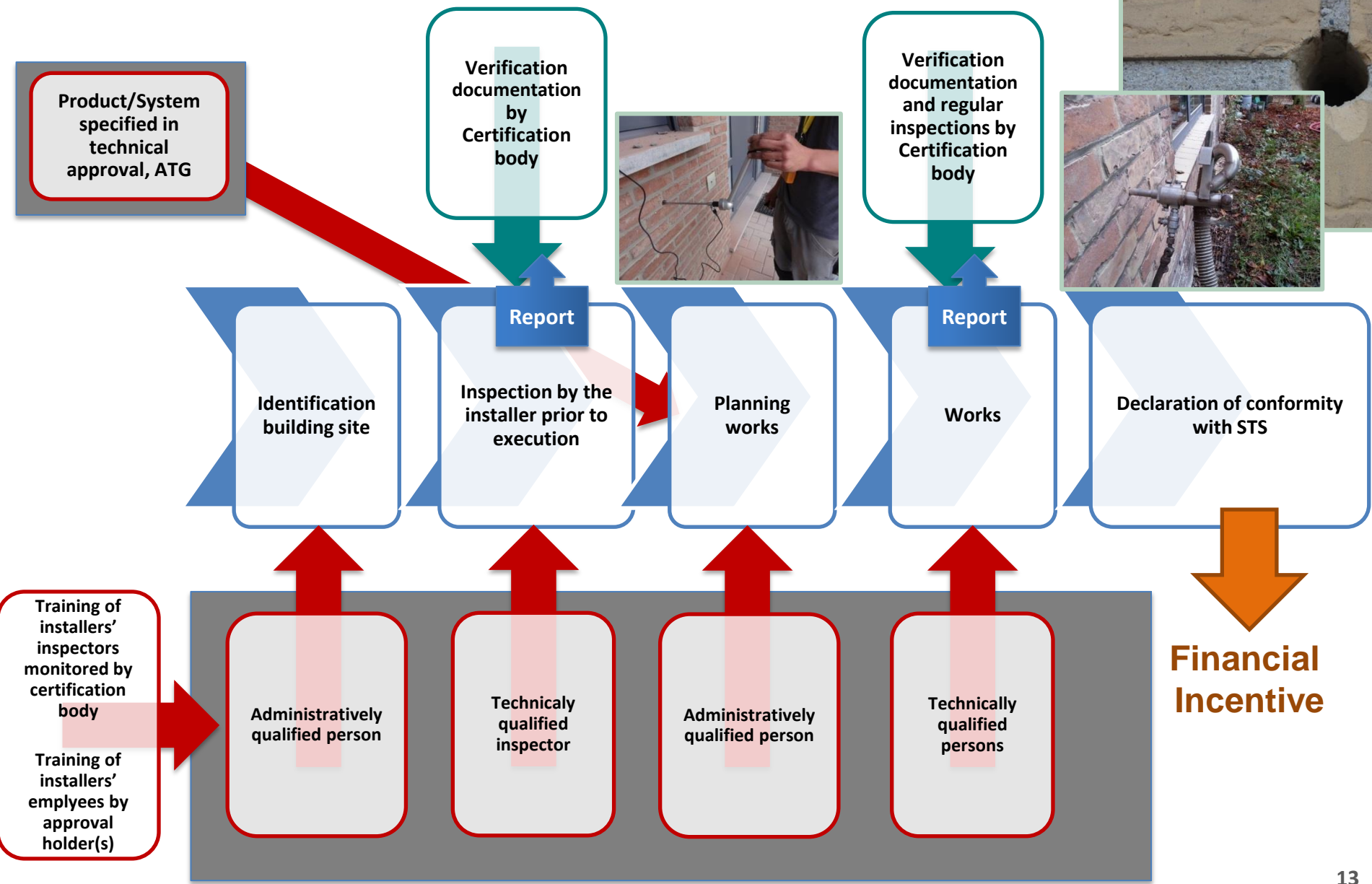
# Integrated quality approach



Testing on-site taken samples ensures claimed performances reflect reality

Approval holders are responsible for training and monitoring installers they recognized





# What has been accomplished?

- 17 Technical approvals have been issued by UBAtc
- 86 Installers have been recognized by approval holders and certified by BCCA
- Each month subsidies are being granted for approximately 1500 building sites

