



EASME

Executive Agency for Small and Medium-sized Enterprises

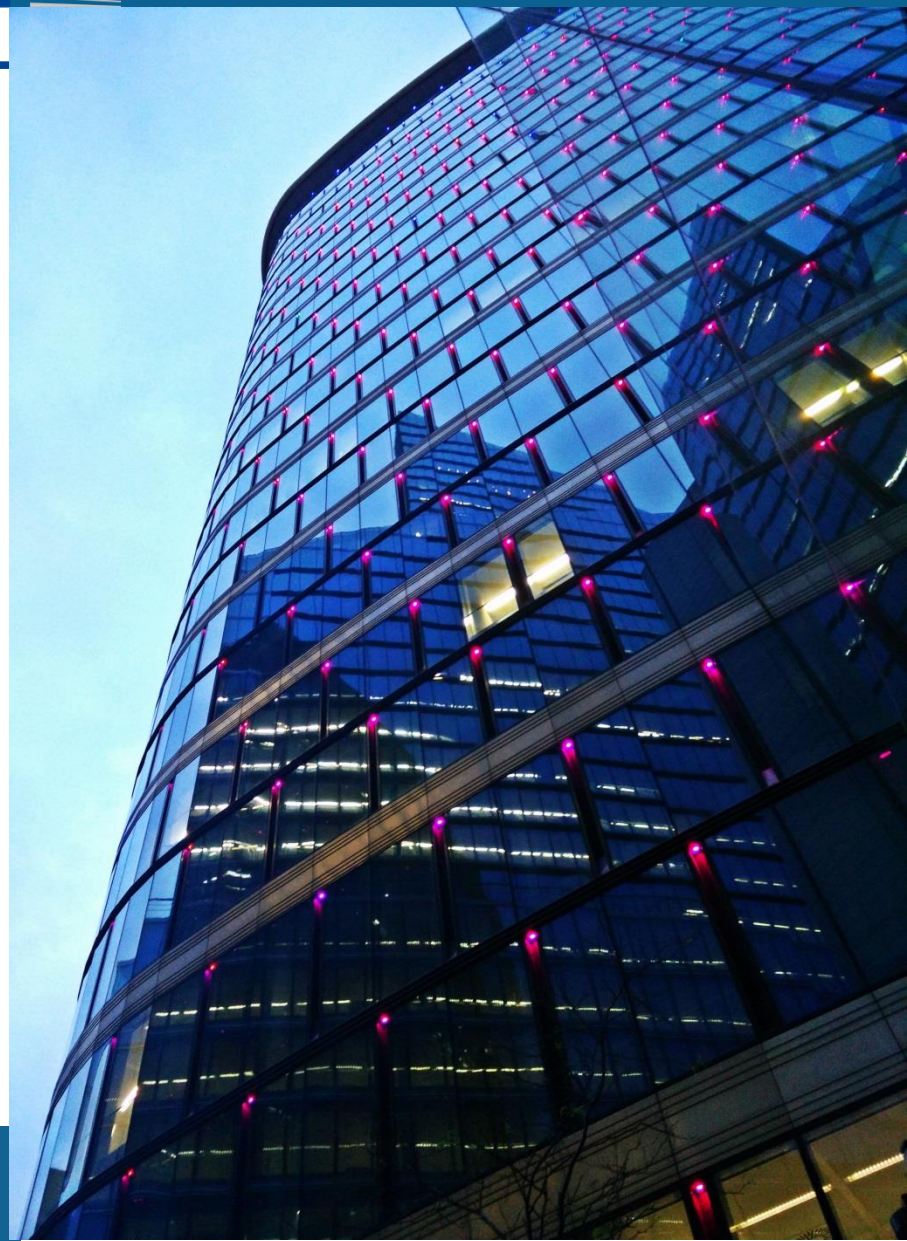
EU Support for Improved Construction Skills

Philippe Moseley

Project Advisor

Horizon 2020 Energy (Buildings)

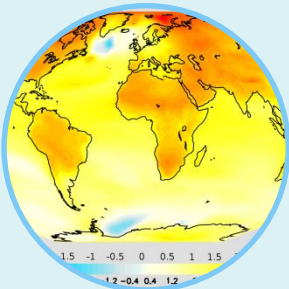
*Executive
Agency
for SMEs*



Why spend EU funds
on construction skills?



Construction Skills – the challenges



Climate change

- Reduced energy consumption
- Renewables



Higher standards

- Energy efficiency
- Air tightness



Technological change

- BIM, IoT and connected grids
- Prefabrication, 3D printing

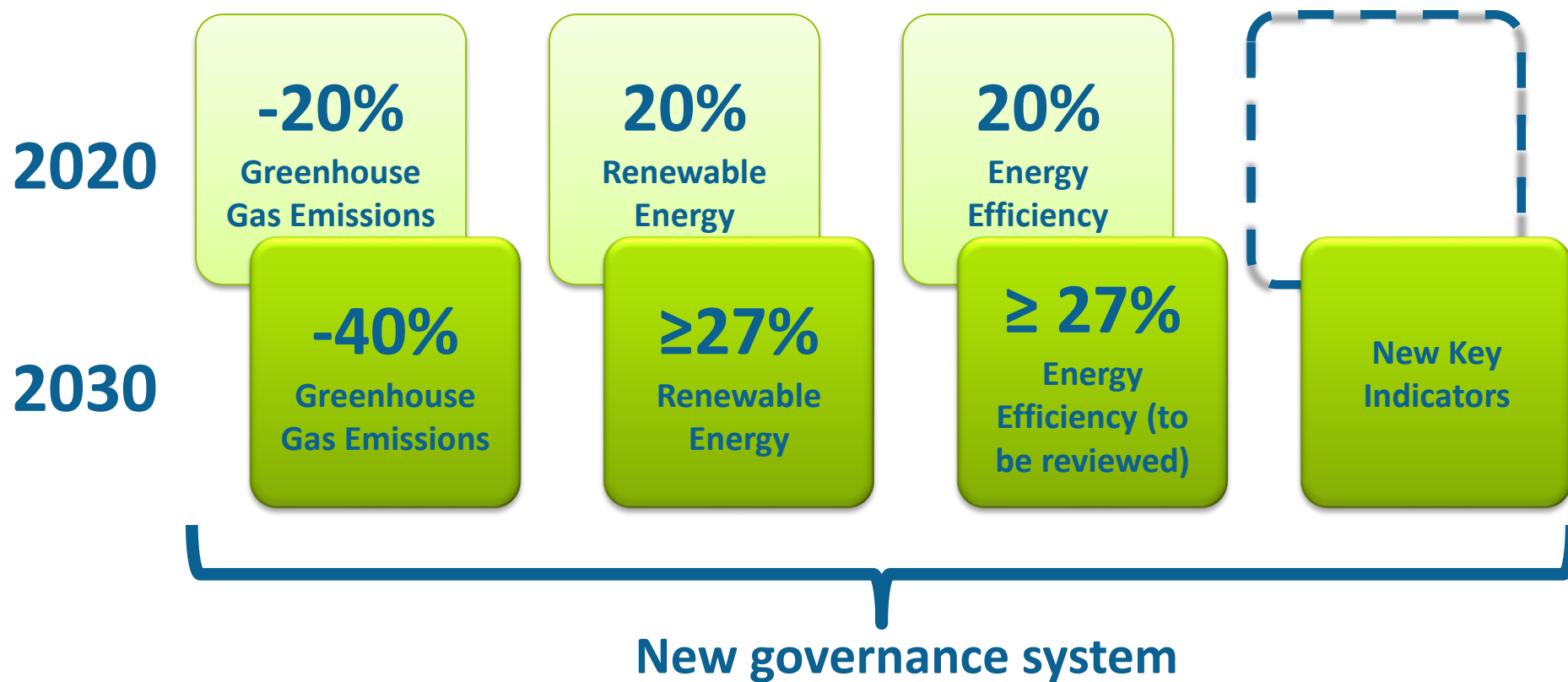


Fragmented industry

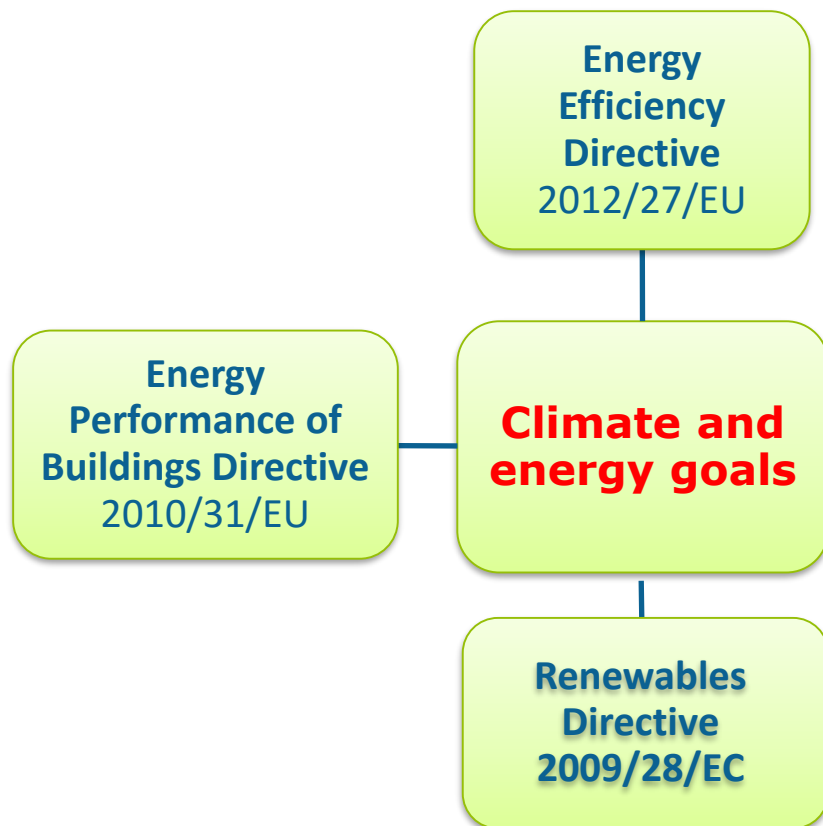
- SME's
- Separated disciplines



Climate and energy framework



Legislative framework



2016: Review of the EPBD

- ✓ Data collection and evidence gathering
- ✓ Public and stakeholder consultations
- ✓ Ex-post evaluation of the Directive
- Ex-ante analysis of policy options: Impact Assessment
- Preparation of legal proposal
- Adoption of the package

EPBD public consultation feedback

Good framework for improving energy performance of buildings

- ✓ New high performance buildings
- ✗ Renovating existing buildings

Not as effective as it could be.

- Low activity in construction sector
- Slow and scattered implementation
- Poor compliance

<https://ec.europa.eu/energy/sites/ener/files/documents/MJ-02-15-954-EN-N.pdf>

Strategic Energy Technology (SET) Plan

Action 5: Buildings

Existing buildings: develop packages for deep renovation

New buildings: reduce cost of NZEB by 10% by 2025

Cross-cutting themes: reduce construction time,
performance gap, increase quality

BUILD UP Skills

- Training of on-site workers
- 30 countries
- Need to train over 3 million workers by 2020
- Expanded to white collar professionals



www.buildupskills.eu

H2020 Call for Proposals



Energy Efficiency Call 2016	Deadline
EE-11: Overcoming market barriers and promoting deep renovation of buildings	15 Sep. 2016
EE-13: Cost reduction of new NZEB	
EE-14: Construction skills	

EE-14-2016: Construction skills

Specific Challenge

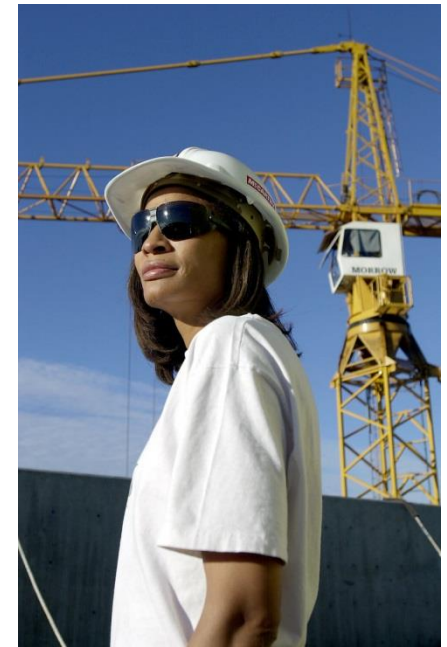
- Improve skills of entire value chain for energy efficiency
- Blue and white collar workers
- New challenges e.g. BIM, RES integration, new products and processes



EE-14-2016: Construction skills

Scope

- Set up or upgrade large-scale training and qualification
- Address coordination and accompanying measures e.g. mutual recognition, accreditation, incentives
- Consider financing and the long term



EE-14-2016: Construction skills

Scope

- Engage with SME's
- Consider maintenance and operation
- Link with BUILD UP Skills
- Consider Erasmus+, Sector Skills Alliances



EE-14-2016: Construction skills

Scope

- Multidisciplinary approaches across trades
- Indoor environmental quality
- Material life cycles, embodied energy
- EC contribution €0.5 - 1 Million



EE-14-2016: Construction skills

Expected Impact

- Implement training & qualification schemes
- Plan for replication and life after the grant
- Increase number of skilled workers
- Improve cross-trade collaboration



EE-14-2016: Construction skills

Expected Impact

- Reduce performance gap
- Energy savings
- Increased renewable energy production
- Market recognition of skills



EE-14-2016: Construction skills

- Deadlines 15 Sept 2016 and 7 June 2017
- Coordination and Support Action (CSA)
- Minimum 1 Legal Entity
- Budget shared across several topics



Information Resources

IEE Projects Database

<http://ec.europa.eu/energy/intelligent/projects/>

CORDIS: Community R&D Information Service

http://cordis.europa.eu/home_en.html

BUILD UP

www.buildup.eu





European
Commission



SUSTAINABLE ENERGY WEEK



13-17 JUNE 2016



BUILDING THE ENERGY UNION TOGETHER

Executive
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for SMEs

Contact EASME



philippe.moseley@ec.europa.eu



<http://ec.europa.eu/easme>



@H2020EE, @PhilippeMoseley