



Beyond BUILD UP Skills New opportunities within H2020

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- **EU's new programme for research and innovation is part of the drive to create new growth and jobs in Europe from 2014 to 2020.**
- **H2020: Budget of just over €70 billion**
- **Three priorities:**
 - 1. Excellent science**
 - 2. Industrial leadership**
 - 3. Societal challenges**
- **IEE-like activities are within the specific objective "Secure, clean and efficient energy" of the Societal Challenges.**

>> Draft Work Programme
published 20th November
>> Call to be launched
11 December



ENERGY CHALLENGE (2014-2015)

Low Carbon
Energy

Smart Cities &
Communities

**Energy
Efficiency**

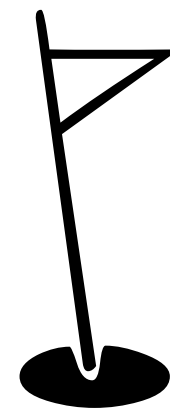
- Buildings and Consumers
- Heating and Cooling
- Industry and Products
- Finance for Sustainable Energy

Energy Efficiency Call (2014-2015)

EE Research and
Innovation

EE Market
Uptake
Measures*

* Building on IEE



*Energy &
Climate Policy
Targets*

21 topics covered by the Call



- Draft Horizon 2020 Work Programme 2014-2015 available on the web. This is a working **document not yet endorsed by the Commission**. Adoption and the publication of the WP by the Commission expected in mid-December 2013
- Information related to **call 2015 indicative**
- Budget by topic indicated in the Work Programme
- Different target groups; consortia; project size; call deadlines for R&I and Market Uptake actions
- **Impact indicators**: important
- WP also contains a series of policy-support tenders
- Other building related topics (e.g. local energy strategy, Heating & Cooling in other topics of the WP)
- Call management: EACI

http://ec.europa.eu/research/horizon2020/index_en.cfm

"Building" topics (1)



- **Coordination and Support Actions (100% funding; overheads = 25%)**
- **Deadline: 5 June 2014**

EE4 – 2014: Construction skills

- **Craftsmen and other on-site workers:** proposals should build on the results of BUILD UP Skills, be in line with the EQF, focus on upgrading or establishing large-scale qualification and training schemes. They should be based on the national training roadmaps established in BUILD UP Skills.
- Proposals may also address coordination and accompanying measures (e.g. voluntary certification schemes, accreditation, mutual recognition, incentives to encourage participation of craftsmen and to attract women to the construction sector).
- Improving the qualification and skills of **middle and senior level building professionals**.
- Organisational and financial mechanisms should be established to sustain training activities for **at least 3 years after the projects' end**.
- For all proposals, **at least three legal independent entities** established in a different eligible country.
- Exception: proposals on large-scale schemes for craftsmen and other on-site workers, in the continuation of BUS (in this case proposals may be submitted by one or more legal entity(-ies) **from the same country**

"Building" topics (2)



- **Coordination and Support Actions: (100% funding; overheads = 25%)**
- **Deadlines: 5 June 2014 and 10 June 2015**

EE5 – 2014/2015: Increasing energy performance of existing buildings through process and organisation innovations and creating a market for deep renovation

- The **Energy Performance of Buildings Directive** and the **Energy Efficiency Directive** contain provisions to **increase renovation** rates, especially for public buildings.
- Develop marketplace for **deep renovation packages**.
- Proposals should focus on:
 - Removing market barriers; coherent interventions across issues and actors to drive structural improvement in market conditions .
 - All building types, however the main focus should be on existing (inefficient) buildings
 - At least of one of the following 3 elements should be incorporated:
 - *Driving product and process innovation in the construction sector*
 - *Decision-making tools for renovation strategies; quality standards; and/or inspection and monitoring mechanisms*
 - *Enabling conditions to finance deep renovation of buildings*
 - Methods to increase the share of on-site and nearby-generated renewable energy



EE1 – 2014: Manufacturing of prefabricated modules for renovation of building (PPP EeB)

- The proposals should cover mainly demonstration activities. Prototypes and pilot implementations in real industrial settings would represent a clear added-value, as would the participation of SMEs involved in the manufacture and installation of prefabricated modules

EE2 – 2015: Buildings design for new highly energy performing buildings (PPP EeB)

- The proposals should focus on development and demonstration of solutions which significantly reduce the cost of new buildings with at least 'nearly zero-energy' performance levels. Projects should also provide solutions for automated and cost-effective maintenance of the installed equipment, and assess differences between predicted and actual energy performance



EE3 – 2014: Energy strategies and solutions for deep renovation of historic buildings (PPP EeB)

- Project proposals should focus on the development of innovative and affordable building renovation solutions for historic buildings that can deliver:
 - significant improvements in energy performance, while,
 - ensuring indoor comfort requirements and
 - non-invasive, reversible solutions.
- Projects should clearly demonstrate the effectiveness of the technologies, methodologies, systems or tools developed and prove the replication potential of the proposed solutions with, where appropriate, the use of case studies.

Thanks for your attention!