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TIMEPAC-2022

International Workshop

Turin, November 30th 2022



**Politecnico
di Torino**

EPBD evolution and its future application in Spain

Aitor Domínguez

Building Project Manager, Spain, IDAE

- EPBD recast proposal

2023j?

- New Zero-emission buildings
- MEPs
- Infrastructure for sustainable mobility
- Financing
- Renewable
- Whole life-cycle carbon
- Energy Performance Certificates (new provisions)

- General provisions for Spain

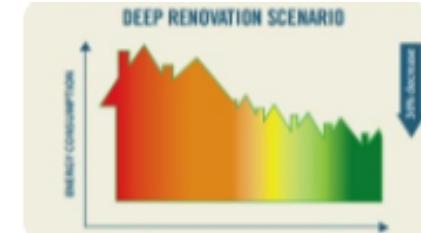
- Review of national regulations, ZEB introduction
- Analysis of rating scales and linkage to MEPs
- Establish mechanisms for compliance with MEPS obligations
- Review of the electromobility regulations
- Review of the building energy certification system



- EPC system in Spain

- Review of the indicator system
- Scale system analysis
- Optimization of the operational calculation conditions (approximation to real consumption data)
- Primary Energy Factors Review
- Digitization of processes for the exploitation of building stock data
- Review and improvement of qualifications (EPC inspector/assessor)
- Technical improvements in calculations (ISO UNE 52XXX Standards)

- Additional general changes



- EPC system in Spain
 - Review of the indicator system
 - EPBD annex (regulated and tabulated aspects)
 - Homogeneous information between MMSS
 - Scale system analysis
 - Regulated scales (15%, 30%, A=ZEB, etc)
 - Current very conservative scale system in Spain
 - Optimization of the operational calculation conditions (approximation to real consumption data)
 - EPBD requests a more direct relationship between simulations and real consumption
 - Primary Energy Factors Review
 - Renewable, District heating and additional vectors integration
 - Digitization of processes for the exploitation of building stock data
 - Digital tools (BIM?)
 - Review and improvement of qualifications (EPC inspector/assessor)
 - Training, control of technicians

- EPC system in Spain

- Additional general changes

- Comprehensive EPC assessment
 - Building level
 - Neighborhood level

 - Electromobility integration
 - Renewables and storage
 - GWP
- Integration with Renovation Passport (Rehabilitation push)
- Smart Readiness Indicator (SRI)

Better analysis of the building stock
The more demands, the more precision

More specific and individualized regulations

EPCs

More and better energy
rehabilitation of buildings

Renovation Passports

Financial programs

One Stop Shops



**If you would like more information,
please contact us at**

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Thanks for your attention!