Implementation of Energy Strategies in Communities



Energy in Buildings and Communities Programme

CHALLENGE

More than 70 % of global greenhouse gas emissions are attributed to human activities in cities. Thus, cities can play a major part within the CO_2 emission reduction goals set by the Paris Agreement. The domains of urban and energy planning have been identified as important processes which can be leveraged in pursuit of these CO₂-reduction goals. However, many previous approaches have focused on a single building or technology and have often led to suboptimal solutions or failure of the implementation process. To successfully support the implementation of energy strategies within urban areas, wider scale solutions have to be found so as to more efficiently integrate the powers of urban and energy planning.



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THE ANSWERS FROM THE IEA

Within the IEA Energy in Buildings and Communities Program (EBC), Annex 63 provides recommendations for an optimized urban and energy planning process that supports decision makers as well as energy and urban planners. Therefore, existing processes, legal frameworks and case studies within urban and energy planning in communities were analysed and developed further with local, national and international stakeholder groups.



CONCLUSIONS



- Cities are seen more and more as the central players in the implementation of the energy transition.
- But cities often do not see themselves in this role.
- Innovation lies not only on technological, but also on organisational, structural and social aspects.
- The integration of energy issues into urban planning processes is of great importance.

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Success features: Inclusion of all relevant stakeholders in urban & energy planning processes.

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