

The role of sustainable measures in construction and the importance of construction for climate and ecology

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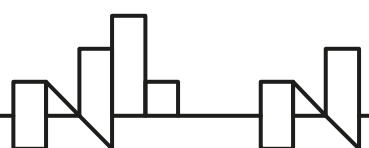
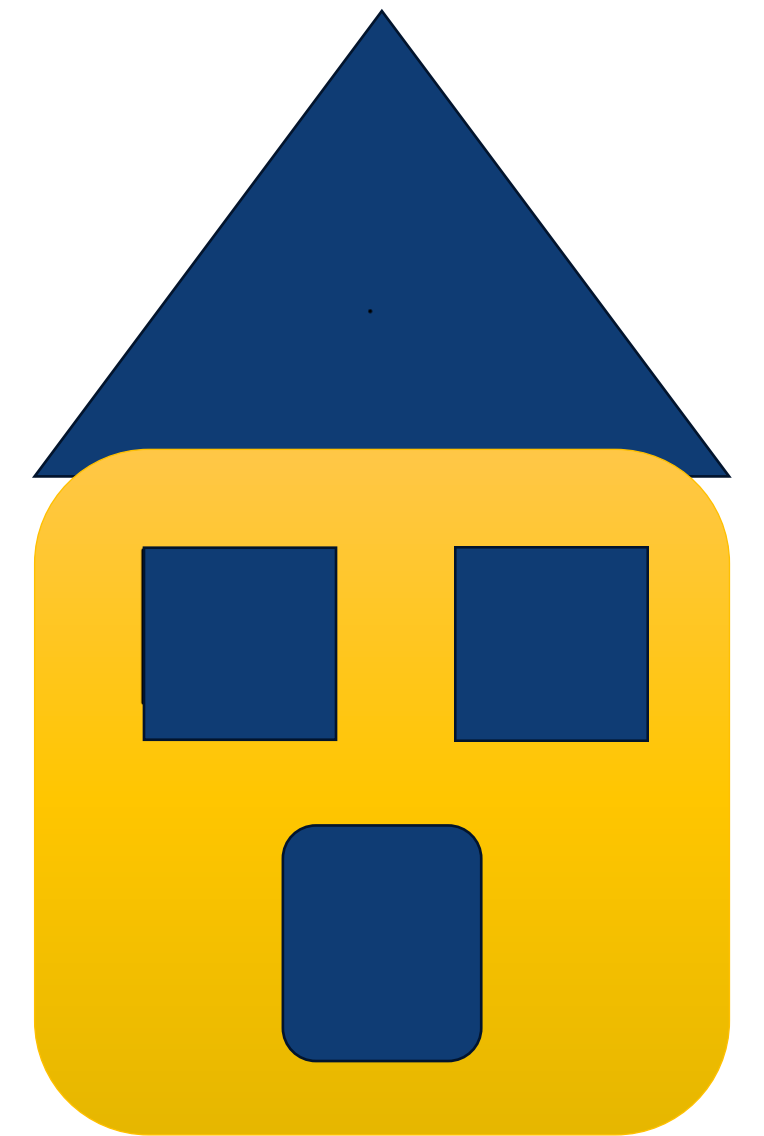
Climate Impact of Construction

Buildings:

➔ more than a third of the EU's greenhouse gas emissions, 60 % - residential buildings

➔ 38 % of global emissions

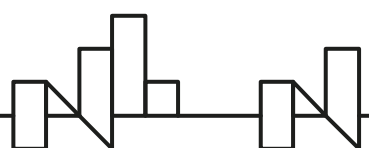
➔ 40% of energy consumption (EU)



Sustainable measures in construction

- Emissions
- Natural resources
- Waste
- Biodiversity

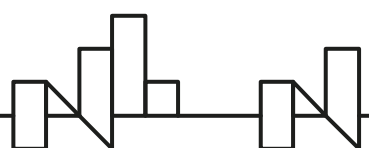
Sustainability



Sustainable measures in construction

- **Energy efficiency:** reducing both energy demand and energy consumption and choosing Energy - efficient solutions and renewable energy sources
- **Sustainable materials:** due to production method and composition - natural or recycled, recovered and biodegradable elements
- **Water conservation:** rainwater harvesting, efficient plumbing and wastewater recycling.
- **SMART solutions** in building
- **Certification**

Direct



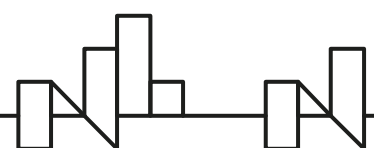
Sustainable measures in construction

Indirect

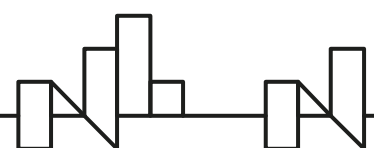
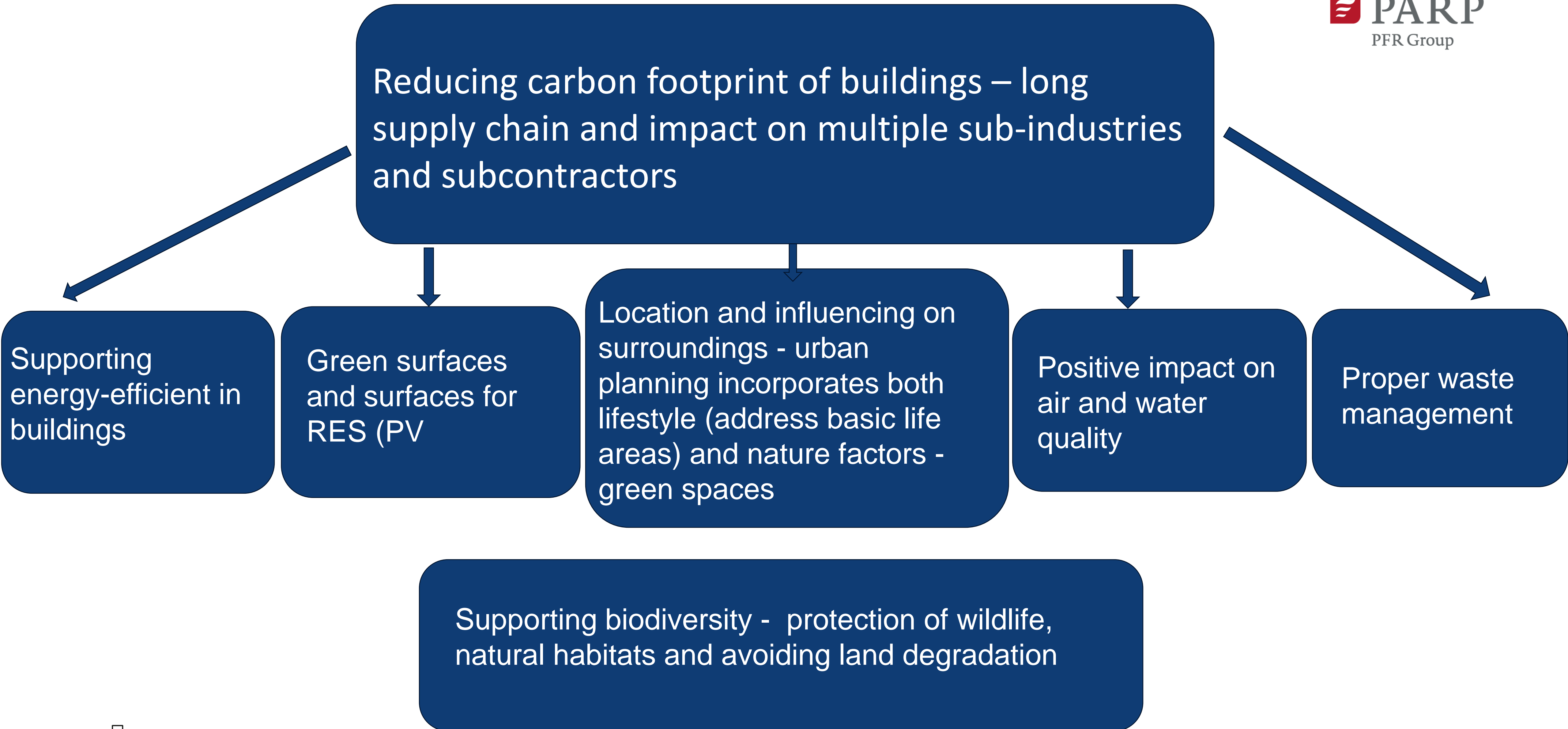
Green
work place
creation

Increasing the
quality of life

Cooperation
of many
stakeholders



Buildings and Climate



Construction sector - chances

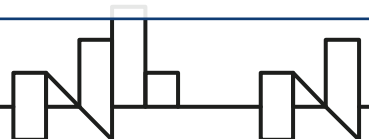
50 % of construction jobs are green (OECD)

Continuous growth of sustainable solutions using by
producers

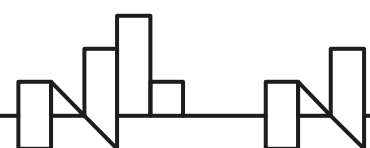
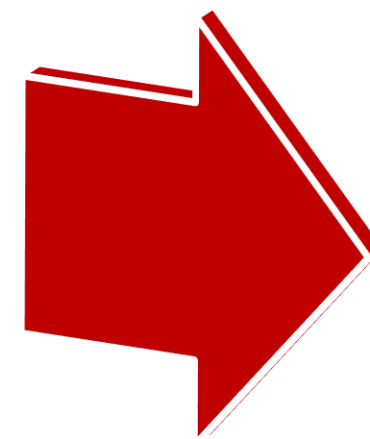
Construction sector is opportunity for reskilling

Impact on various stakeholders (supply chain)

Potential to alleviate social problems (Energy poverty)



Constructor sector - chances



Buildings - challenges

Underdeveloped 'trade' knowledge and practice in many areas of green skills, e.g. circular economy

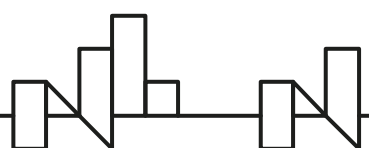
Building up a set of 'skill patterns' and good practices - to see the process as a whole

Vocational education

Quality of workmanship, contractor errors

Systems for certifying contractors and verifying of skills

Standards of work



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