

EUSEW Energy Day: 29 June 2020

**Efficient Buildings and houses: partnering
for the SDGs and the European Green Deal**



**ARCHITECTS' COUNCIL OF EUROPE
CONSEIL DES ARCHITECTES D'EUROPE**

Dr. Veronika Schröpfer, ACE Head of EU Research Projects



ACE: Architects' Council of Europe

→ The representative organisation of the architectural profession at EU level since 1990

→ **45 Member Organisations**, from **31 countries**, representing nearly **600.000 architects**

→ Members: regulatory bodies and professional associations





ACE Objectives

- The single voice of architects in Europe
- Advancing the highest educational and professional standards
- Optimising professional mobility
- Advancing Architectural Quality in the built environment
- Supporting Sustainable Development of the built environment





UN Sustainable Development Goals

SUSTAINABLE DEVELOPMENT GOALS





Architects' contribution to SDGs

- An increasingly tight regulatory framework and large-scale investment for **improving the energy performance of buildings**
 - **Too small focus**
 - Only small effect on carbon emissions, while creating a plethora of unintended consequences in terms of resource depletion, health and wellbeing, resilience and social cohesion.
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- ➔ Tackle impacts across the entire lifecycle of buildings and their components;
 - ➔ Recognise the social, economic and environmental value as fundamental to building performance.
 - ➔ Embed feedback and the validation of achieved performance in use to ensure accountability for quality and performance;





ACE Position

- Reduce the consumption of natural resources, including energy, water, materials, the creation of waste and environmental impacts;
- Improve indoor environmental quality including indoor air quality, thermal comfort, daylight, acoustics, biophilia → occupants' health
- Reduce the risks presented by the heating climate and ensure that buildings and neighbourhoods are resilient and adapt to extreme weather events.





ACE Position

- Energy renovation needs to be incentivised and regulated as part of overall functional and aesthetic upgrades of buildings and neighbourhoods.
- Greater recognition of architectural solutions over technological ones: priority should be given to simple, passive, low-tech, local solutions that do not consume energy and are less prone to human error.
- Transform the **perception of value to reflect social, economic and environmental contributions over a building's life span** as defined by the 17 UN Sustainable Development Goals.

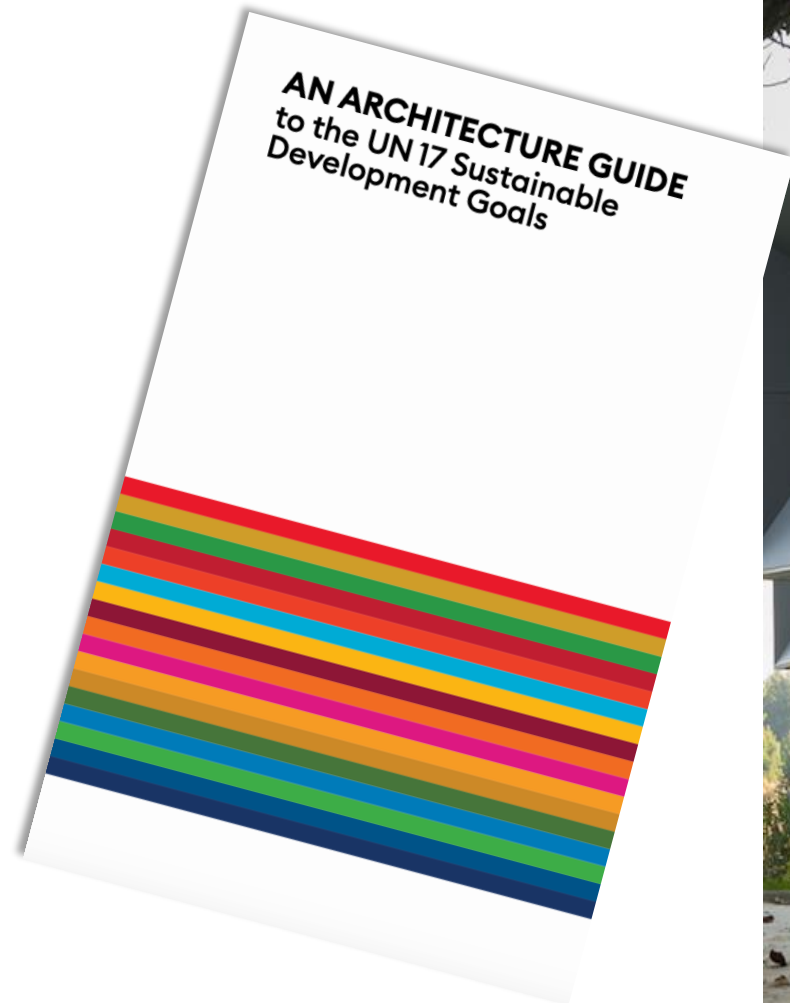




UIA Position on SDGs

**Publication of the
International Union of
Architects and our
member the Danish
Association of
Architects:**

https://www.architectes.org/sites/default/files/atoms/files/un17_guidebook.pdf





SDG 2: Zero hunger



Photo: Abdellah Ihadian

Origin/team

Human Habitat,
Miljøpunkt Nørrebro,
Realdania,
Københavns Professionshøjskole

Photo: Human Habitat





SDG 3: Good health and well-being



Photo: Rasmus Hjortsøj – COAST for Lokale og Anlægsgfonden



SDG 5: Gender Equality



Origin/team

Client: St Jerome's Centre
Design Team: Orkidstudio
Structural Engineer: Structuremode
Contractor: Orkidstudio

Photos: Orkidstudio



SDG 6: Clean water and sanitation



Photos: Warka Water Inc.



Origin/team

Architecture and Vision
(Arturo Vittori), Warka Water Inc.



SDG 13: Climate Action



Origin/team
Kongjian Yu, Turenscape,
The Municipal Government
of Harbin City





SDG 15: Life on Land



Origin/team

Snöhetta,
Norwegian Wild Reindeer Centre,
Prebygg AS, Lonbakken AS,
Skandinaviska Glassystem AB,
Djupevaag Ship Builders AS



Photo: Roger Brennhaugen

Photo: Diephotodesigner.de





SDG 16: Peace, justice and strong institutions



Photo: SLA Architects

Origin/team

ICC, SLA Architects,
Schmidt Hammer Lassen Architects, Royal
Haskoning Nederland B.V.
and Esbensen – Consulting Engineers AS, Brink
Groep, Courtys



Photo: Torben Petersen



SDGs 3, 7, 8: Health, clean energy, decent work

CASE: Esbjerg Psykiatri – Arkitema



Forced fixation reduced 69%
61% reduction in use of tranquilizers

Photo by Arkitema



SDGs 3, 7, 8, 9, 11, 12, 13

CASE: Jaegers sports facility – Vandkunsten



For more information

www.ace-cae.eu

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