

EuropeOn

ELECTRICAL CONTRACTORS ASSOCIATION

Annual Conference – 18 November 2020



Welcome to our Annual Conference!

Morning session: *from 10 AM to 11:30 AM CET*

Welcoming words from EuropeOn President Gérard Constantin

Renovating with Skill: switching on the Renovation Wave thanks to a modern electrical trade

Alison Crabb (DG EMPL)

Stefan Moser (DG ENER)

Pernille Weiss (MEP)

Aurélie Beauvais (SolarPower Europe)

Martin Bailey (EuropeOn)

Afternoon session: *from 1:30 PM to 3:00 PM CET*

Welcoming words from EuropeOn President Gérard Constantin

Consumer empowerment in the shift to zero-emission mobility: lessons learnt from the ground

Dario Dubolino (DG MOVE)

Ismail Ertug (MEP)

Alexander Neuhäuser (ZVEH, EuropeOn)

Olivier Toggenburger (Park'n Plug)

Julia Poliscanova (Transport&Environment)

Casto Cañavate (KNX)

Each of the 2 sessions will be followed by a Q & A time

Renovating with Skill: switching on the Renovation Wave
thanks to a modern electrical trade

Welcoming words

-

Gérard Constantin,
President of EuropeOn



Welcoming words from Gérard Constantin, EuropeOn President

300.000 BUSINESSES

#Skills4Climate

1.8 MILLION PROFESSIONALS

€ 200 BILLION ANNUAL TURNOVER



EuropeOn Annual Conference

KNX
Media Partner



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Welcoming words from EuropeOn President Gérard Constantin

Renovating with Skill: switching on the Renovation Wave thanks to a modern electrical trade

Alison Crabb (DG EMPL): Introducing the Pact for Skills/ European Skills Agenda

Stefan Moser (DG ENER): Skills as a pillar of the Renovation Wave

Pernille Weiss (MEP)

Aurélie Beauvais (SolarPower Europe): An ambitious Renovation Wave and skills: deploying solar in Europe

Martin Bailey (EuropeOn): Lessons learnt from our Skills4Climate campaign for the post Covid times

The session will be followed by a Q & A time

Morning session (10:00-11:30 AM CET)

Renovating with Skill: switching on the Renovation Wave thanks to a modern electrical trade

A few reminders before starting

Once all of our distinguished panellists will have presented their views on this session, we will open the floor to all attendees for questions.

You can ask your questions whenever you want in the QUESTIONS Box (on the right side) and we will come back to them in the last 30 minutes of this Conference.

Thank you for being with us today, for EuropeOn's first ever online Conference

Renovating with Skill: switching on the Renovation Wave
thanks to a modern electrical trade

Introducing the Pact for Skills

-
**Alison Crabb, Head of
Unit at DG EMPL**





#EUSkillsAgenda

European Skills Agenda

for sustainable competitiveness and social
fairness and resilience



The Skills Agenda: SKILLS FOR JOBS

A bold skills policy, a policy framework for concrete actions:



strengthen
**sustainable
competitiveness**



ensure
social fairness



build our
resilience

HOW? – BUILDING BLOCKS

1. A Pact for Skills including upscaling sectoral Blueprints

Joining forces

- 2. Strengthening skills intelligence
- 3. National Skills Strategies and Public Employment Services
- 4. Recommendation on VET
- 5. European Universities
- 6. Skills to support twin transitions
- 7. STEM graduates, entrepreneurial and transversal skills
- 8. Skills for Life

Skilling for a job

Tools for lifelong learning

- 9. Individual learning accounts
- 10. Micro-credentials
- 11. Europass

Unlocking investment

- 12. Framework to unlock Member States' and private investments in skills

PACT FOR SKILLS

**Upskilling and
reskilling of people
of working age**

Apprenticeships

All types of skills

Large scale partnerships

- Major players in industrial ecosystems
- Public authorities
- Concrete investments in upskilling opportunities for employees in the company and in a whole value or supply chain

National/regional/ local partnerships

- Employers
- Public authorities
- Stakeholders e.g. VET providers, PES, social partners
- Sectoral or regional focus on upskilling

Social Partners Arrangements

Tripartite agreements focus on upskilling and reskilling

Individual commitments

- Companies
- Stakeholders
- Commit to provide quality upskilling opportunities

PACT FOR SKILLS - OVERVIEW

Demand driven commitments



Support from the EU



Upskilling and reskilling for ALL

Large scale partnerships

- Industrial ecosystems for recovery
- Partnerships based on finalised or current Blueprints

Sector Skills Alliance and Blueprint

- Sectoral cooperation
- Design of VET
- In the new Erasmus+ open to all industrial ecosystems

National, regional or local partnerships

- Building on the work of:
- Eurocities and Intelligence Cities Challenge,
 - Centres of Vocational Excellence,
 - Clusters

EAFA pledges

- New commitments for digital and green apprenticeships

Individual commitments

Social Partners Arrangements

Networking Hub

Support in finding partners and first meetings

Link with existing EU tools e.g. Europass, Skills Panorama

Promotion of the activities of the Pact members

Knowledge Hub

Webinars, seminars, peer learning activities

Updates on the EU policies and instruments

Information on projects, tools, instruments and best practices

Guidance & Resources Hub

Access to information on relevant EU funding

Guidance to identify financial possibilities

Facilitation of exchange between the Pact and national/regional authorities

Promoting a culture of lifelong learning for all

Working against discrimination, for gender equality and equal opportunities

Building strong skills partnerships with relevant stakeholders

Monitoring skills supply/demand and anticipating skills needs

EU funds managed on national and regional level



European Commission

THE PACT FOR SKILLS IS A CALL TO ACTION!

- => WORK TOGETHER FOR SKILLS**
- => BUILD SKILLS FOR JOBS**
- => OPEN UP LIFELONG LEARNING**

Renovating with Skill: switching on the Renovation Wave
thanks to a modern electrical trade

Skills as a pillar of the Renovation Wave

-
Stefan Moser , Head of
Unit at DG ENER





Renovation Wave

Greening our buildings

Creating jobs

Improving lives

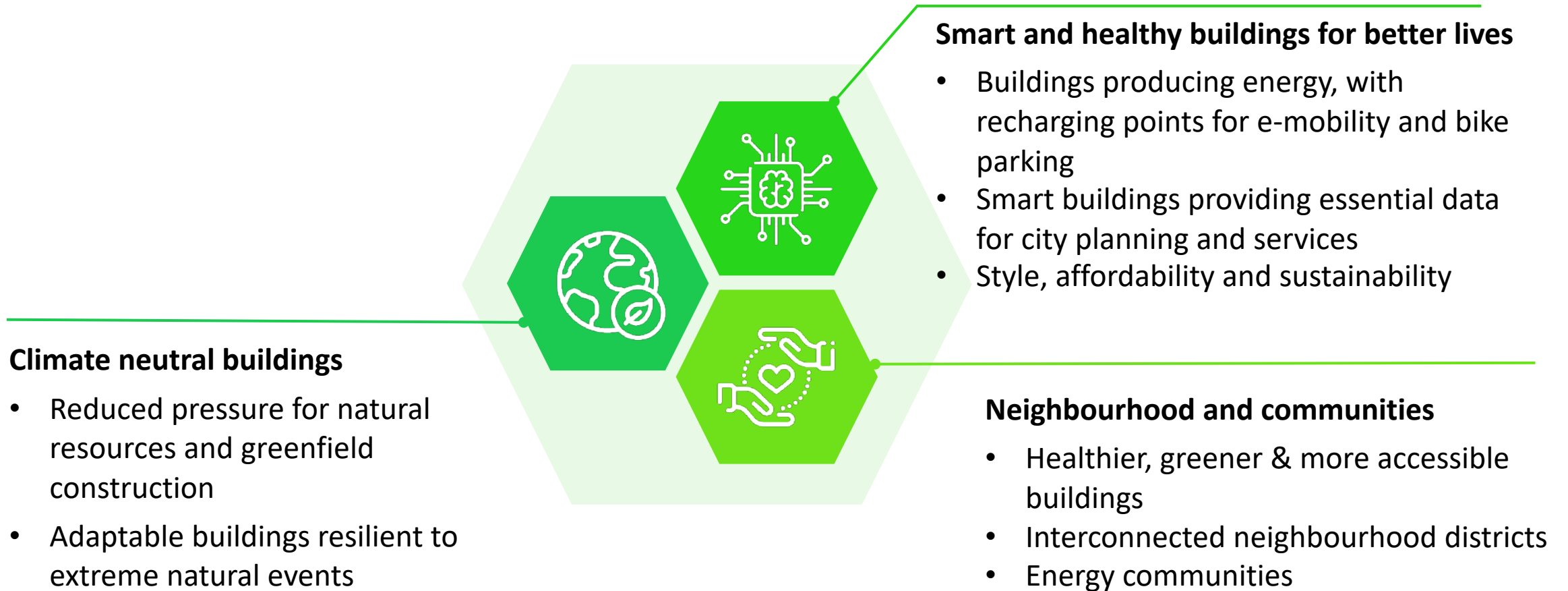
Stefan Moser, Head of Unit, Energy Efficiency of Buildings and Products

EuropeON, 18 November 2020

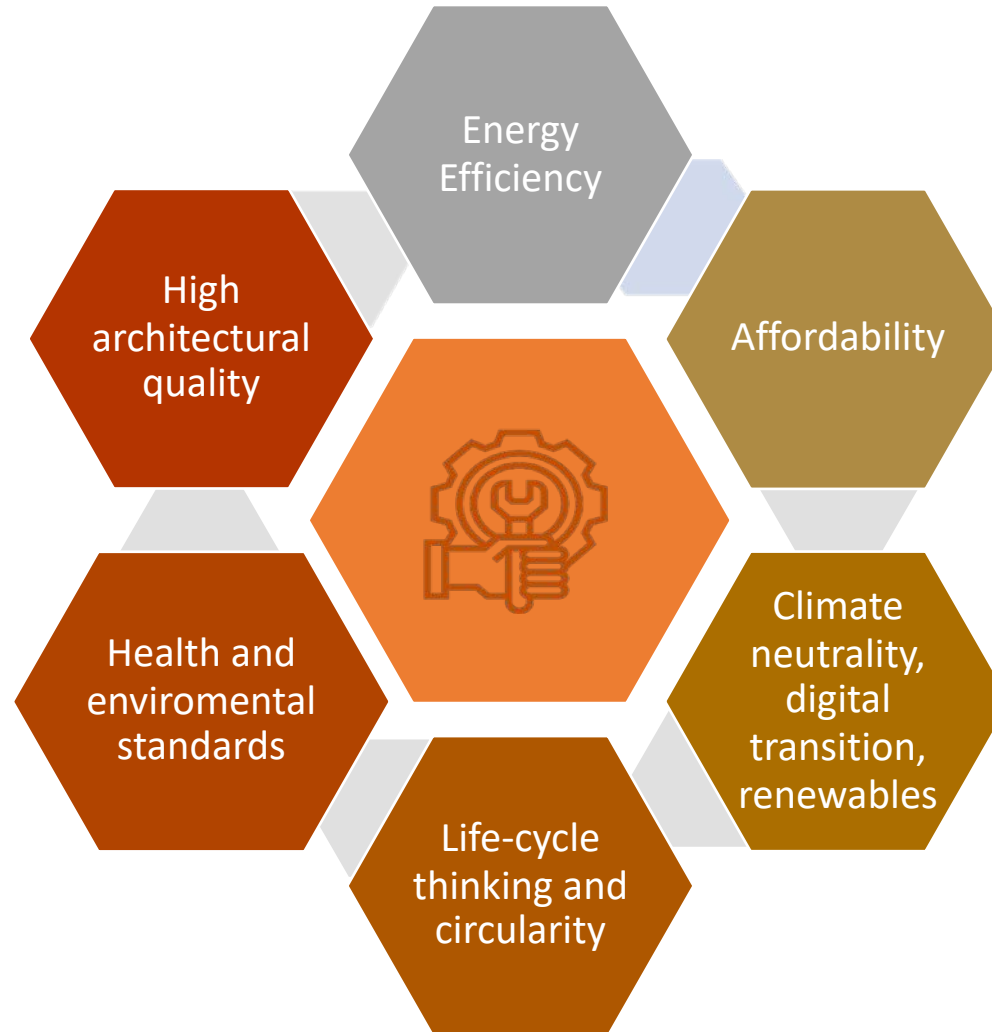
Why renovation?



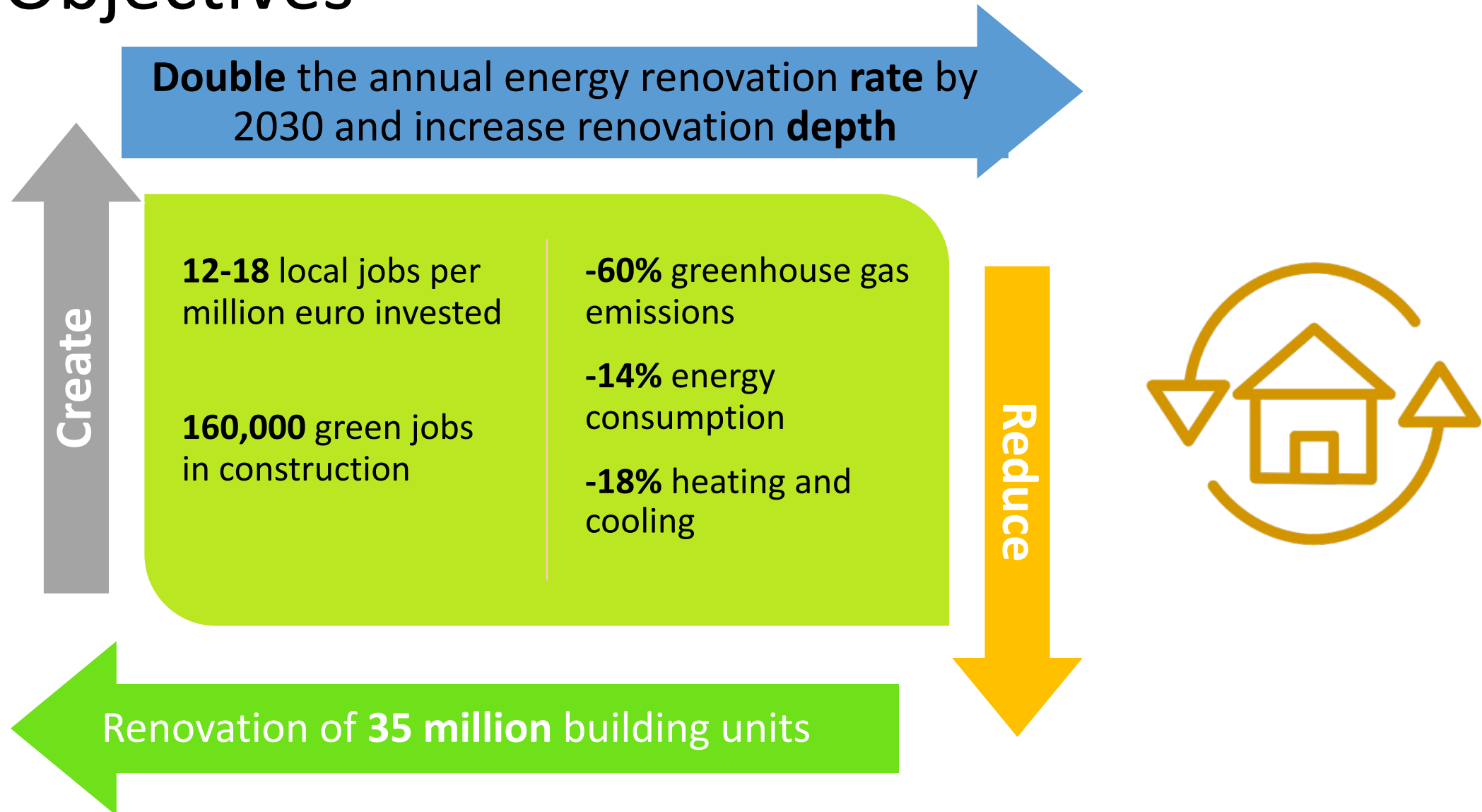
A transformative agenda



Key principles for an integrated approach



Objectives



Where are we now?

An established framework ...

- Clean Energy for All Europeans Package 2018 and 2019
- A solid basis for energy market integration, renewables deployment and energy efficiency promotion
- Existing regulatory framework and funding instruments to promote energy efficiency, building renovation and renewables deployment at building, neighbourhood and district level

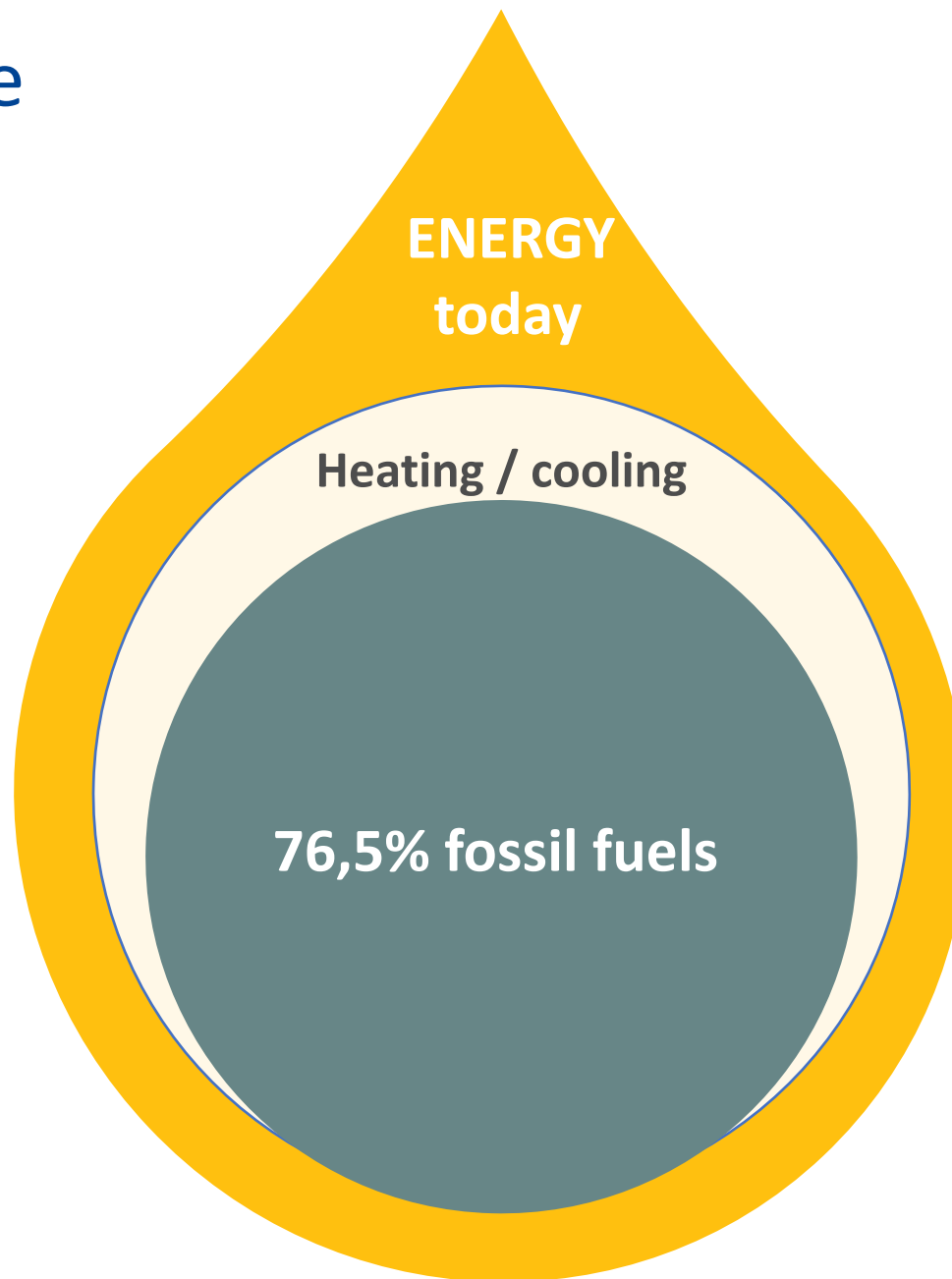
... impact to be scaled up

- Only 11% of existing building stock undergoes renovation each year
- Renovation works only rarely address energy performance of buildings
- Currently, annual weighted average of energy renovation is only 1%
- Renovation is held back by barriers throughout the value chain

Decarbonisation challenge

What is needed by 2030 (55% GHG)

- **Reduce GHG by 60%** (to 1990)
- Reduce buildings' FEC by **14%**
- Reduce energy consumption for heating and cooling by **18%**
- Reach **38-42% RE** in heating and cooling



7 lead intervention areas

Information, legal
certainty and
regulation

Accessible and
well-targeted
funding

Project and
technical
assistance

Integrated
interventions for
smart buildings



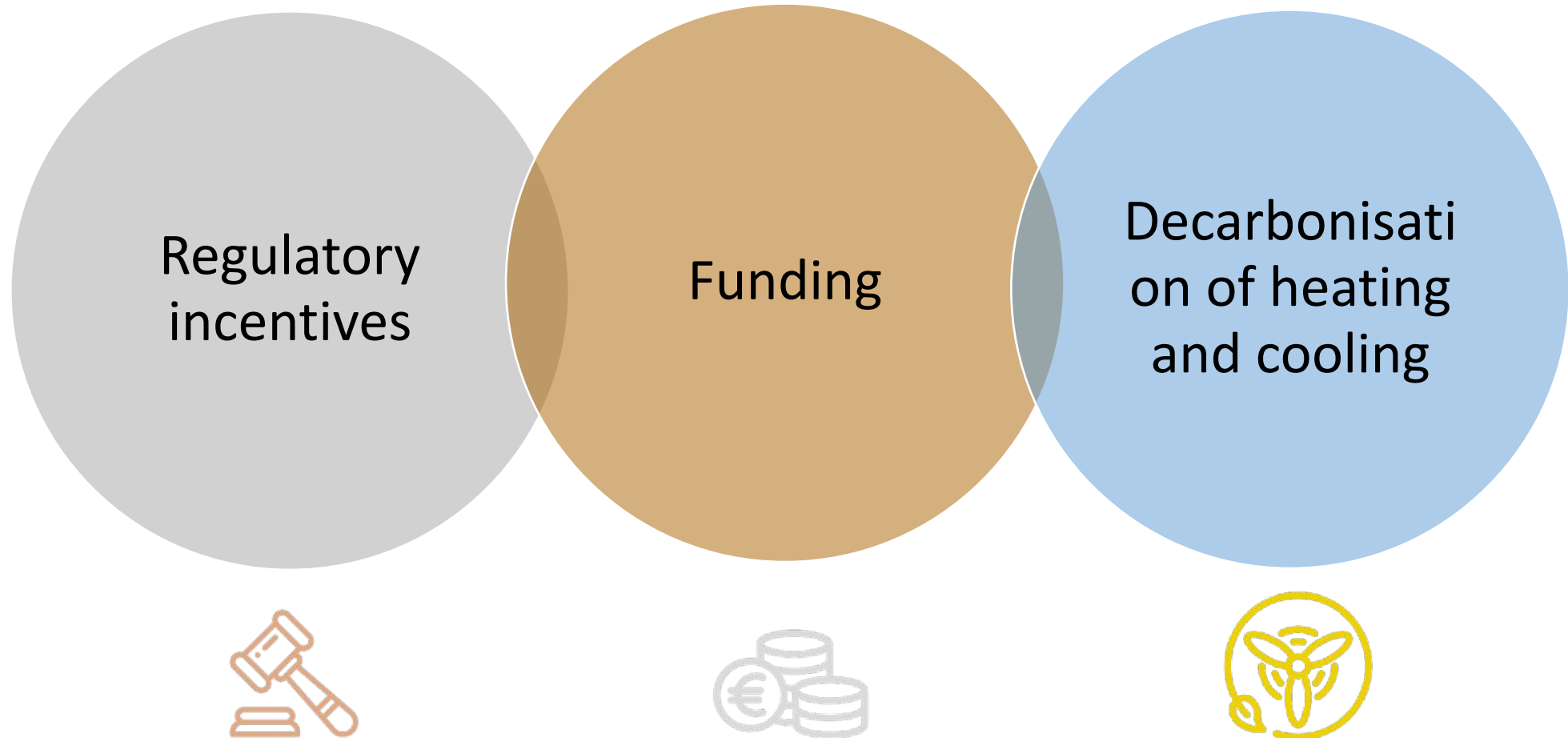
Construction
sector for the
sustainable future

Addressing energy
poverty and
healthy housing

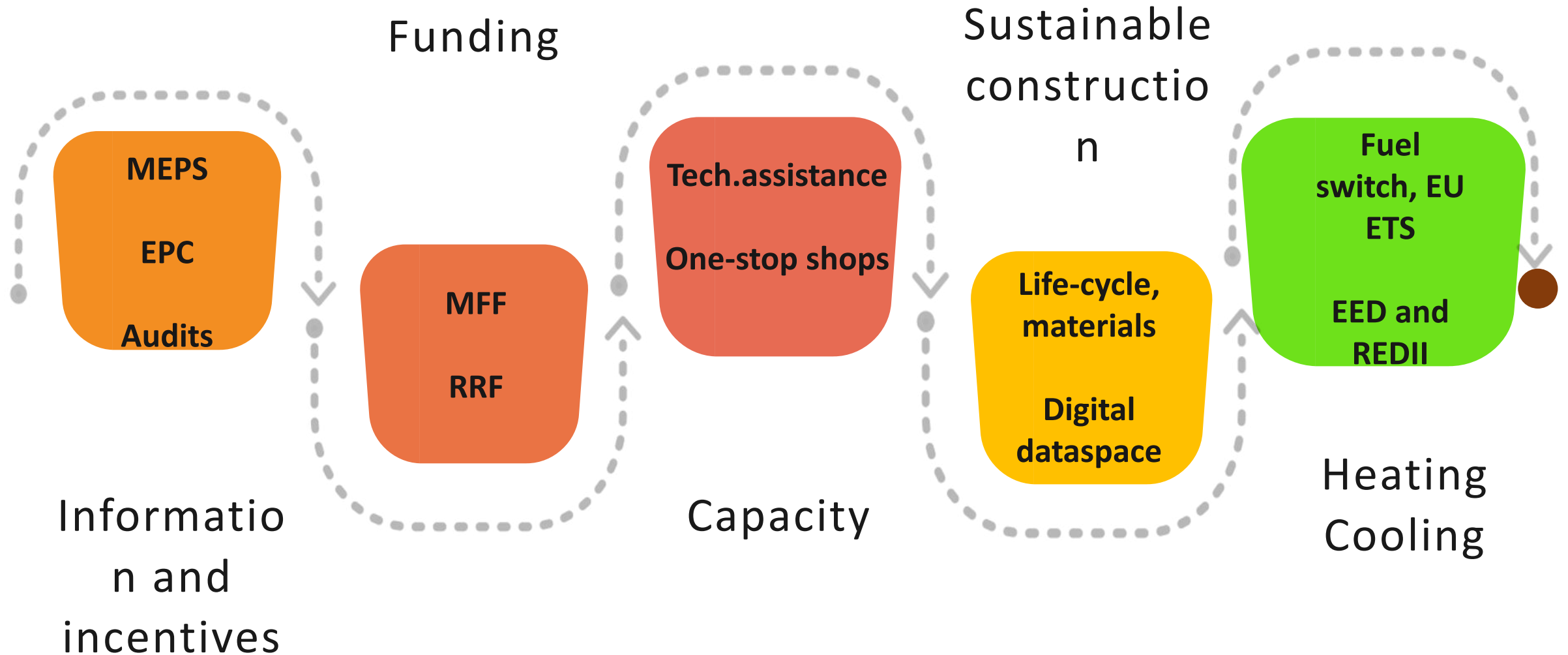
Decarbonisation
of heating and
cooling



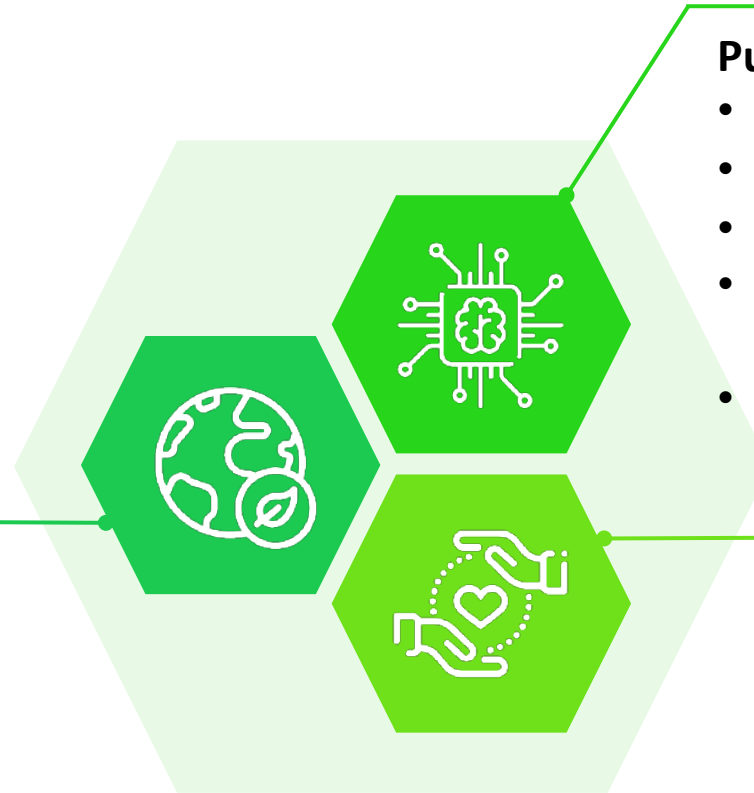
Flagship measures



Actions to remove barriers



Focus areas



Public buildings

- renovation requirements
- MEPS + milestones for 2030, 2040 and 2050
- guidance on EEF principle
- public procurement (life-cycle and climate resilience)
- RRF and MFF funds + TA

Heating and cooling

- efficient and low-CO2 tech
- target for RE supply
- minimum threshold of RE

Energy poverty

- a recommendation on energy poverty
- LTRS: developing effective strategies to combat energy poverty through renovation
- mandatory minimum energy performance standards
- One-stop-shops, standardised solutions (financing, technology)
- Affordable Housing Initiative

EU budget to kick-off the Renovation Wave

for Direct Investments

- Recovery and Resilient Facility
- Cohesion Policy Funds (ERDF, ESF, EU-REACT)
- Just Transition Mechanism - JTF

To leverage private investments

- InvestEU
- Private Financing 4 Energy Efficiency
- European Energy Efficiency Fund

for Research & Innovation

- Horizon Europe
- Built 4 people
- EGD Calls
- Smart Cities

To address Market Barriers

- LIFE – Clean Energy Transition
- LIFE – Circular Economy & Quality of Life

For Technical Assistance and Advisory

- ELENA Facility
- Technical Support Instrument
- Technical Support – Cohesion Policy

Thank you

At the crossroads of Skills and an ambitious Renovation Wave: deploying solar in Europe

Aurélie Beauvais,
deputy CEO at
SolarPower Europe

Renovating with Skill: switching on the Renovation Wave thanks to a modern electrical trade



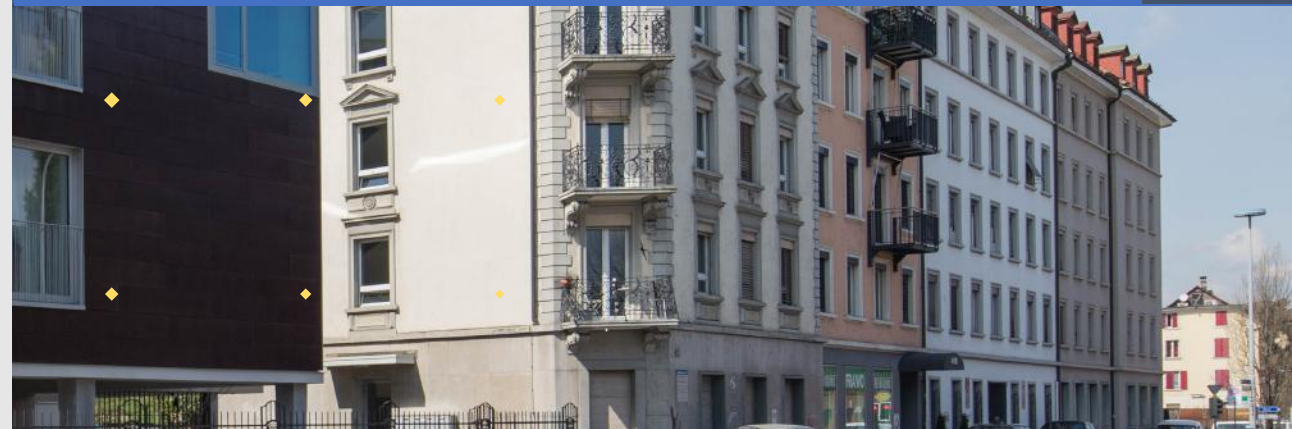


An ambitious Renovation Wave and skills: deploying solar in Europe

EuropeOn Annual Conference

Aurelie Beauvais

SolarPower Europe
Deputy CEO and Policy Director





On-site solar, key to a successful Renovation Wave

Emission reductions

- Meeting rooftop potential would save **7 million tonnes of CO² per year**

Energy efficiency

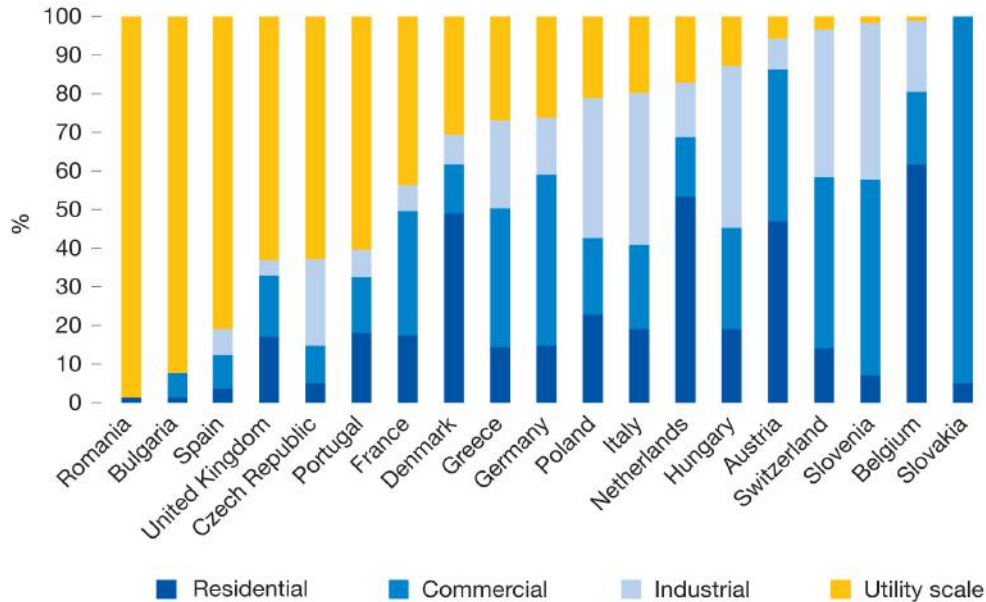
- On-site solar and electrification would **reduce primary energy demand by 29% by 2030**

Energy System Integration

- Decentralised loads will contribute to **decarbonise transport and heating**
- **Provision of demand-side flexibility**, particularly in combination with decentralised storage

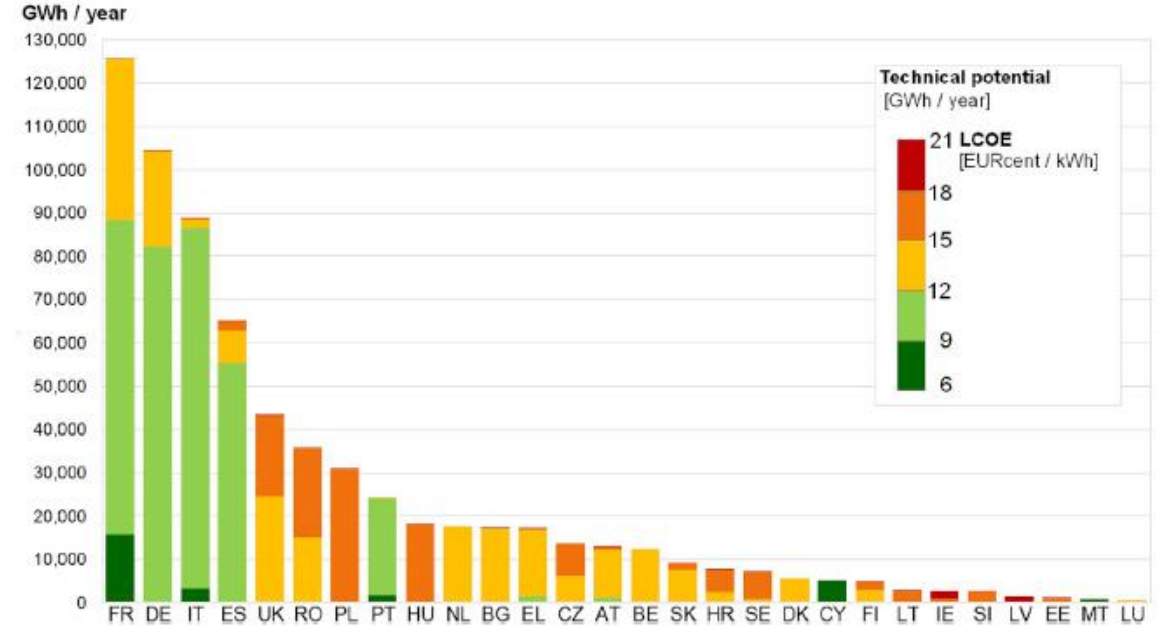
90% of EU rooftop potential is currently unused

EUROPEAN SOLAR PV TOTAL CAPACITY SEGMENTS UNTIL 2018 FOR SELECTED COUNTRIES



© SOLARPOWER EUROPE 2019

- **77 GW installed on roofs in 2019**
- 66% of the total PV capacity in Europe was installed on residential, commercial and industrial roofs

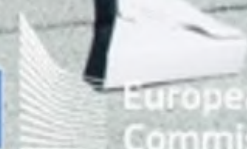


- According to the JRC, the technical solar rooftop capacity is at least 680 GW (JRC, 2019)
- SolarPower Europe estimates **prosumer capacity could reach 1300 GW by 2050** (SPE and LUT, 2020)

A man in a black t-shirt and khaki pants is leaning over a roof, positioning a large, dark blue solar panel. Several other solar panels are already installed on the roof. In the background, there are trees and a clear blue sky. The image is overlaid with a large blue circle containing text and a green and blue abstract shape in the bottom left corner.

The EU Renovation Wave **a job creator!**

#EUGreenDeal



European
Commission

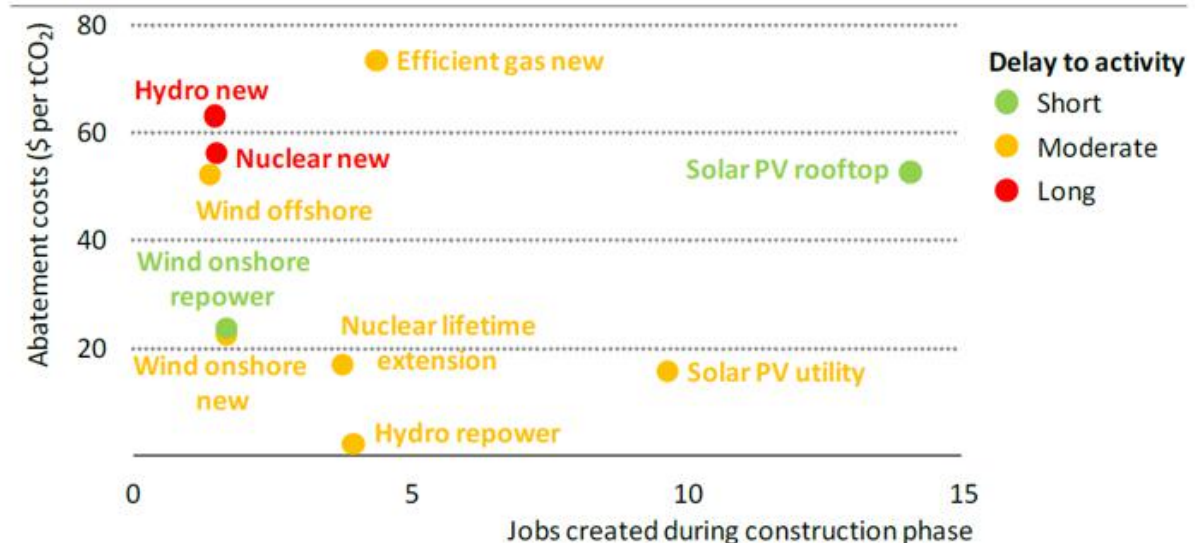
Rooftop solar and sustainable economic recovery

Investments into **rooftop solar offer the highest level of jobs created and emission reductions** of any power generation technology

These can be delivered quickly

- Ambitious programmes to deploy solar on all suitable buildings
- Targeted financial support for citizens and businesses

Figure 2.3 ▶ Job creation per million dollars of capital investment in power generation technologies and average CO₂ abatement costs



New solar PV and wind have low abatement costs, as do nuclear lifetime extensions and repowering existing wind and hydro facilities; solar PV provides the largest boost to jobs.

Note: Avoided CO₂ emissions calculated based on displacing coal-fired generation, global averages shown.



On-site solar: an industrial flagship of the Renovation Wave

EU projects to manufacture innovative solar cells and modules are **positioned for the on-site segment**:

→ Heterojunction cells

→ Organic PV

→ CdT

→ Building Integrated Photovoltaics (BIPV)

These technologies offer **lower costs, higher efficiencies, and increased versatility**, boosting the achievement of the Renovation Wave



Critical elements of the Renovation Wave for solar

Implementation at Member State level will be key to ensure the Renovation Wave is a success

Three actions to unlock the full benefits of solar:

- Set **ambitious minimum renewable energy targets in buildings**, at least the potentials estimated by the JRC
- Remove **existing barriers to the single market for construction products**, including BIPV
- Remove **remaining barriers to self-consumption**, in particular for “medium” sized installations

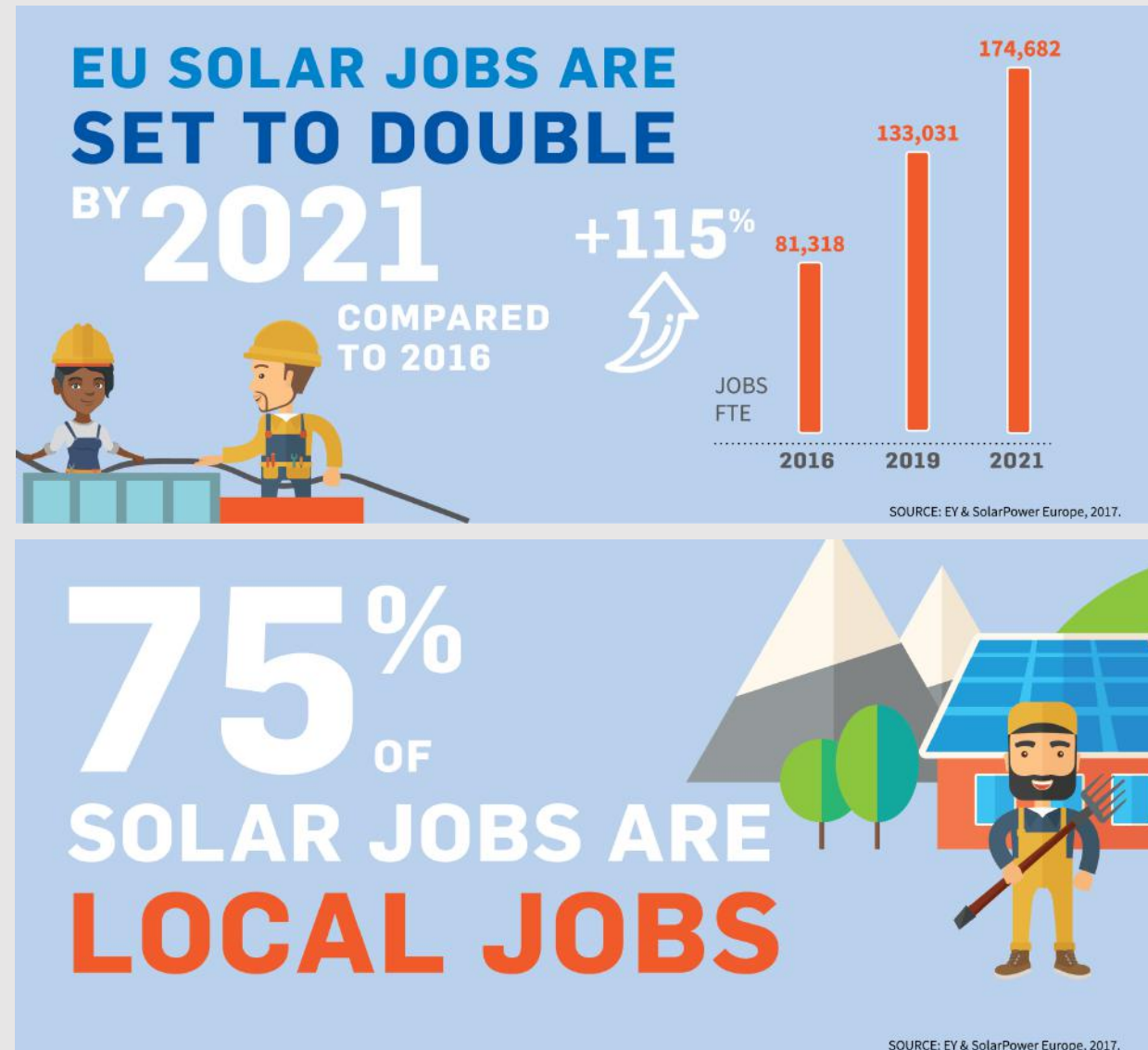
Existing skills gap must be addressed

Lack of available skilled professionals in Europe hinders ability to meet demand for installations

The Renovation Wave aim to **add 160k green jobs** is not ambitious enough

The EU solar sector currently employs **127k people** (IRENA, 2020)

Our estimates see **4 million people** being employed by solar in 2050



SolarPower Europe is taking action

- Through the **Skills4Climate Campaign**, led by EuropeOn
- **Promoting careers in solar** through a partnership with Google
- Establishing a **network of European solar training centres**

The EU and Member States should

- Ensure **electrical and solar industry players are involved in the upcoming Pact for Skills**
- **Support apprenticeships and(re-)skilling programmes** in the electrical sector



Thanks for listening

Aurelie Beauvais

SolarPower Europe
Deputy CEO and Policy Director



in



Lessons learnt from our Skills4Climate campaign for the post Covid times

-
Martin Bailey,
EuropeOn

Renovating with Skill: switching on the Renovation Wave
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Lessons learnt from our Skills4Climate campaign for the post Covid times

Martin Bailey, *EuropeOn*, Chairman of the Value Chain Working Group

#Skills4Climate

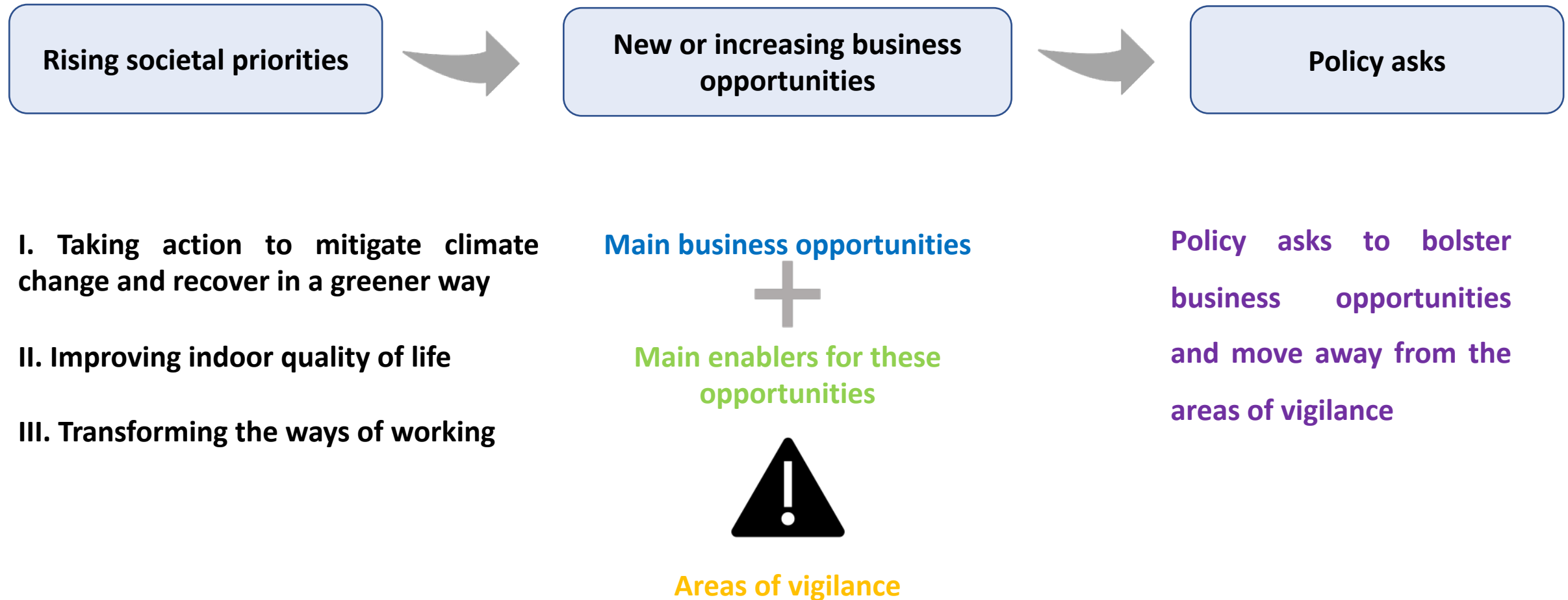
...but what does that mean in Covid times and the era of new normal?

- = EuropeOn's campaign to **promote skills and careers** that will boost a recovery based on green and digital transformations
- **Green & digital transitions cannot happen** without skilled professionals
- We contribute to the ongoing reflections for an **EU Pact for Skills**, supported by the Commission (DG EMPL / DG GROW)
- 1.8 million electrical contractors across Europe, mainly SMEs and very small enterprises, face **unprecedented unpredictability**
- However, we have decided to adopt a positive look at the current disruptions and **turn them into business opportunities**, while assessing the skills that will be needed to bounce back

Lessons learnt from our Skills4Climate campaign for the post Covid times

Martin Bailey, *EuropeOn*, Chairman of the Value Chain Working Group

#Skills4Climate



Main business opportunities

1. Develop services with soft skills

Advising/consulting / Communication/ Marketing

2. Electrical contractors are integrators

Solar panels / electric vehicles / energy management / Smart House

3. Elec. contr. are at the forefront of digital change

Deployment of fibre optic / Power over Ethernet / Cybersecurity

4. Empowering consumers to combine digital & green transitions

Unique contact with end-users / Data uses are limitless

5. Containing the pandemic with contactless technologies

6. Infrastructures are key on the road to recovery

Connectivity / Smart roads & Transports / Smart grids

Main enablers

7. New ways to work

Upskilling with e-learning / first findings on better productivity & cooperation since Covid

8. Attracting new (young) workers

New apprenticeships / New image

9. Increasing visibility in public affairs and along the value chain

Cooperating more closely with policymakers since Covid

Main areas of vigilance

- A fast recovery could be preferred to a green recovery
- The electrical contracting sector mostly comprises SMEs and VSEs which are particularly sensitive to crises
- Our second wave: slowdown of demand and shortages in the supply chain
- Electrical contractors' third wave: shortages in new workers

M a i n p o l i c y a s k s

- Ensure that **national recovery plan** include **binding commitments** to phase out from fossil fuels and to decarbonise the economy while creating future-proof jobs (*e.g. in the framework of the Renovation Wave objectives*)
- **Lead by example through “green” & “smart” public procurement** + install contactless devices in public space & administration
- **Make public data open** for buildings, energy grids, installations etc.
- Systematically include the electrical contracting sector into **public dialogue and taskforces** for recovery (energy transition, building and renovation, e-mobility...)
- Regularly assess the situation of SMEs and VSEs since the Covid outbreak
- In the event of further lockdowns, electrical contractors must be recognised as an essential service
 - Support the design & communication of **Europe-wide media campaigns** to attract new workers into a fast-evolving and varied trade
 - Amplify skilling programmes linked to renewables and energy efficiency in **national recovery plans**
 - **Prevent the enrolment of apprentices from plummeting** - some countries have implemented interesting policies already and should be spread.

#Skills4Climate



Public presentation & release of the report ‘Business opportunities since Covid’: January 2021

Renovating with Skill: switching on the Renovation Wave
thanks to a modern electrical trade

Questions & Answers



Thank you!

Join us again this
afternoon to talk
about **e-mobility**
and **consumer**
empowerment!
1:30 to 3:00 PM

Afternoon session: *from 1:30 PM to 3:00 PM CET*

Consumer empowerment in the shift to zero-emission mobility: lessons learnt from the ground

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