

**“CLIMATE RESILIENCE: HOW TO ADAPT
CITIES AND BUILDINGS?”**

WEBINAR
SERIES



INTRODUCTION



Introduction

Rémi Collombet, Secretary General, Efficient Buildings Europe



The Association in a nutshell

Building envelope

- Floor insulation
- Wall insulation
- Roof insulation
- Air tightness membrane / seals
- Automated blinds
- Blinds and shutters
- Glazing
- Roof windows
- Cool roof covering

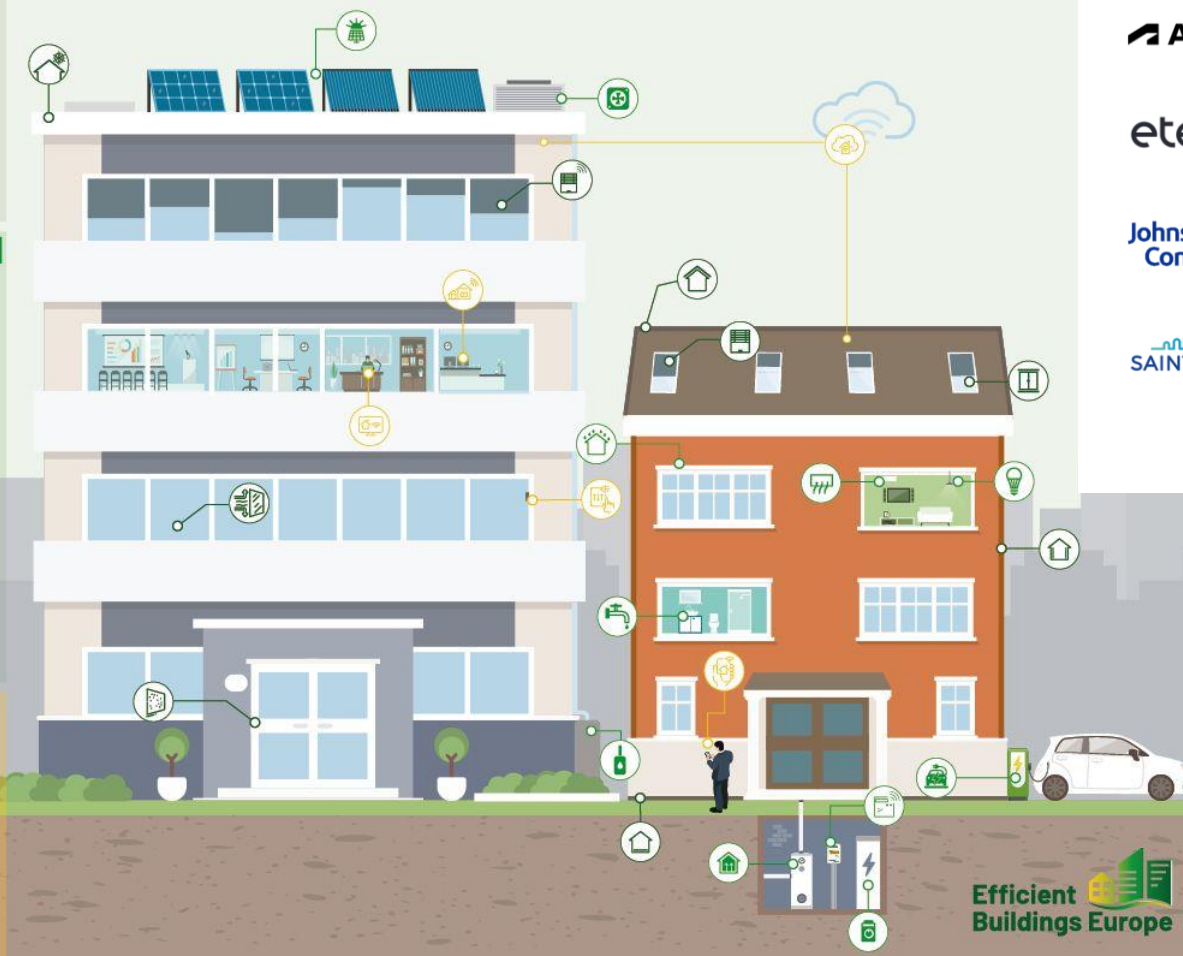
Technical building systems & appliances

- Heat pump
- Mechanical ventilation
- Humidity-sensitive air inlets
- Efficient lighting
- Efficient taps and shower
- District heating and cooling
- Solar panels
- Smart EV charging
- Rainwater harvesting
- Battery storage
- Smart meter

Controls/Digital tools

- Room Thermostat
- Building management system: Edge control
- Cloud technologies
- Remote controls
- Digital twin

Technologies improving energy efficiency in buildings are already available. They lower energy bills, improve living conditions and empower building owners and tenants across Europe.



AUTODESK

BASF
We create chemistry

Carrier

DAIKIN

etex inspiring ways of living

GRUNDFOS

:hager

Hansgrohe Group
A&OR · hansgrohe

Johnson Controls

Kingspan

KNAUF INSULATION

ROCKWOOL

SAINT-GOBAIN

Schneider Electric

signify

somfy

VELUX

AGENDA



Introduction

Rémi Collombet, *Secretary General, Efficient Buildings Europe*

Session 1 - Understanding Climate Adaptation: Policy, Risk and Resilience

Climate Adaptation and the Role of Buildings in the EU

Sven Dammann, DG CLIMA, European Commission

Buildings at the Centre of Climate Resilience: European and Global Perspectives

*Karim Selouane, Director of European and International Affairs, CEREMA.
Member of the Adaptation Hub Steering Committee, GlobalABC; Member of
the European Commission Mission Board on Climate Change Adaptation*

The Insurance Perspective: Assessing and Managing Climate Risk

*Florian Wimber, Head of European and International Affairs, GDV - The
German Insurance Association*

Q&A

Session 2 – Adapting Europe's Built Environment: City and Industry Solutions

Urban Adaptation in Practice: Responding to Extreme Heat

Elissavet Bargianni, Chief Heat Officer, City of Athens

Smart Technologies for Climate Resilience

Alex Koshkarov, Commercial Buildings Sales Director Europe, Somfy

Efficient Heating and Cooling for Resilient Infrastructures

*Julien Pavy, Special Advisor on European Affairs & Public Affairs France,
Grundfos*

Climate Adaptation Through Building Solutions

Céline Carré, Head of Public Affairs, Saint-Gobain

Q&A

GUEST SPEAKER



Climate Adaptation and the Role of Buildings in the EU

Sven Dammann, DG CLIMA, European Commission





European Integrated Framework for Climate Resilience

Webinar “Climate Adaptation of Buildings” by Energy Efficient Buildings Europe
6 July 2026

Sven Dammann, PhD, buildings policies, DG CLIMA

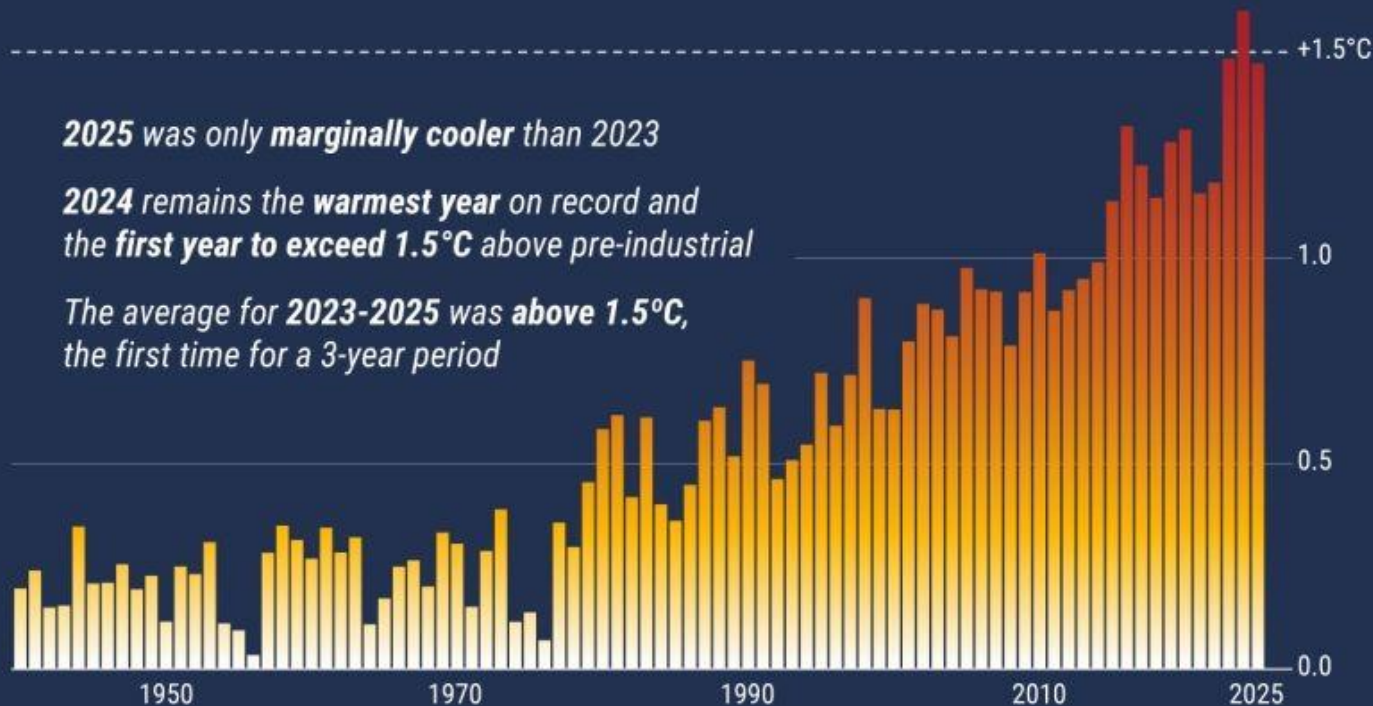
2025 was the third-warmest year on record

Global annual surface air temperature increase above pre-industrial level since 1940

2025 was only *marginally cooler* than 2023

2024 remains the *warmest year* on record and the *first year to exceed 1.5°C* above pre-industrial

The average for 2023-2025 was *above 1.5°C*, the first time for a 3-year period



Data: ERA5 • Reference period: pre-industrial (1850–1900) • Credit: C3S/ECMWF



PROGRAMME OF
THE EUROPEAN UNION



IMPLEMENTED BY

ECMWF

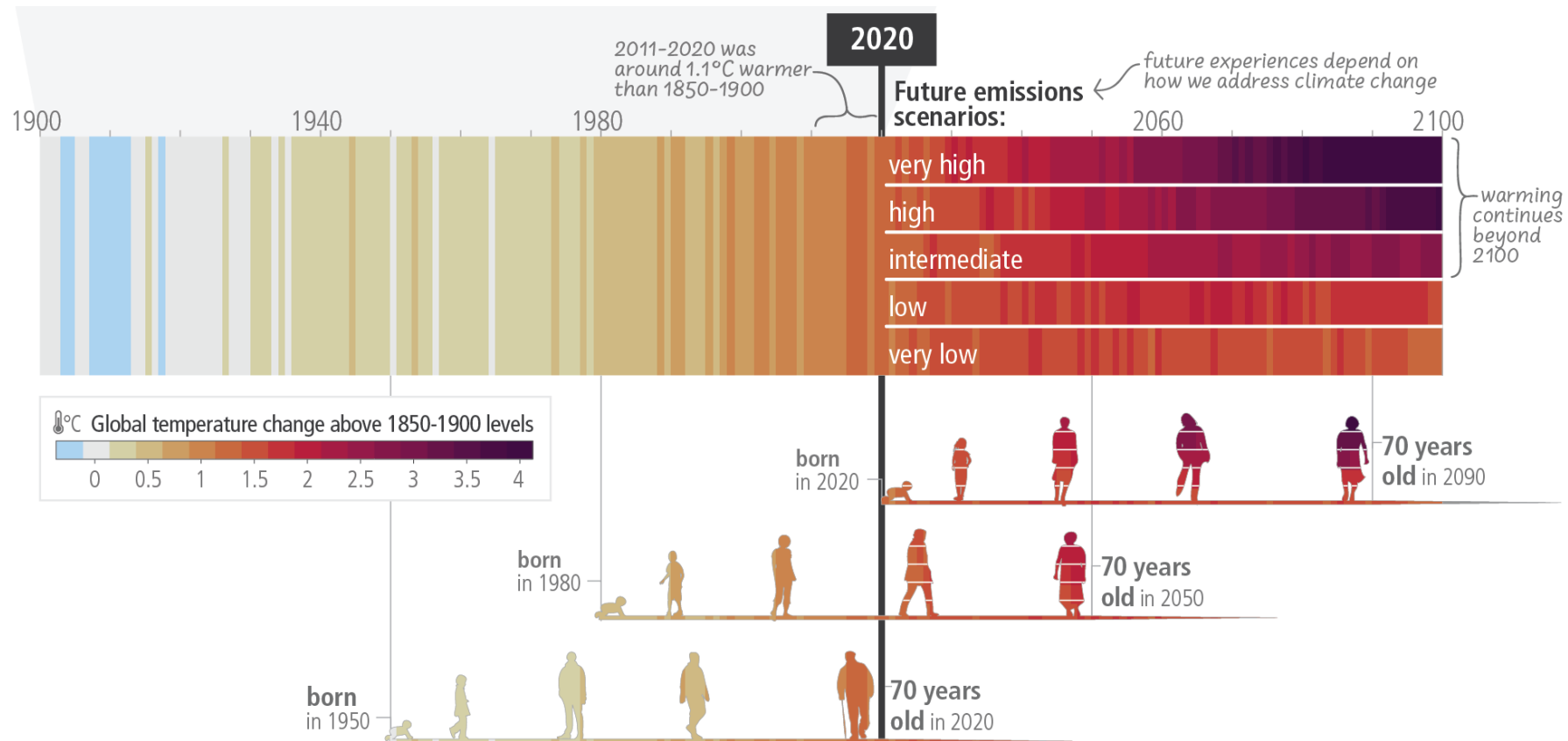
Temperatures
keep rising fast,
outpacing
expectations by
science

EU has been
heating at twice
the global average

Global surface air temperature (°C) increase above the average for the 1850–1900 designated pre-industrial reference period based on the ERA5 dataset, shown as annual averages since 1940.

Credit: C3S/ECMWF. <https://www.ecmwf.int/en/about/media-centre/news/2025/2025-third-warmest-year>

Climate resilience requires low emission scenarios



Impact across generations of observed & projected changes in global surface temperature

Source: IPCC AR6 Synthesis Report

Overheated and underprepared

Europeans' experiences of living with climate change

Many Europeans are underprepared to deal with the increasing frequency and magnitude of heatwaves, flooding, or water shortages in their own homes

- Over half of respondents were very or quite concerned about extremely high temperatures and about wildfires.
- One in five respondents did not have any of the household measures protecting against extreme weather that were listed in the survey
- Over 38% of respondents said they could not afford to keep their home adequately cool in the summer.
- Regionally, northern Europeans reported the lowest share of climate impacts and resilience measures.



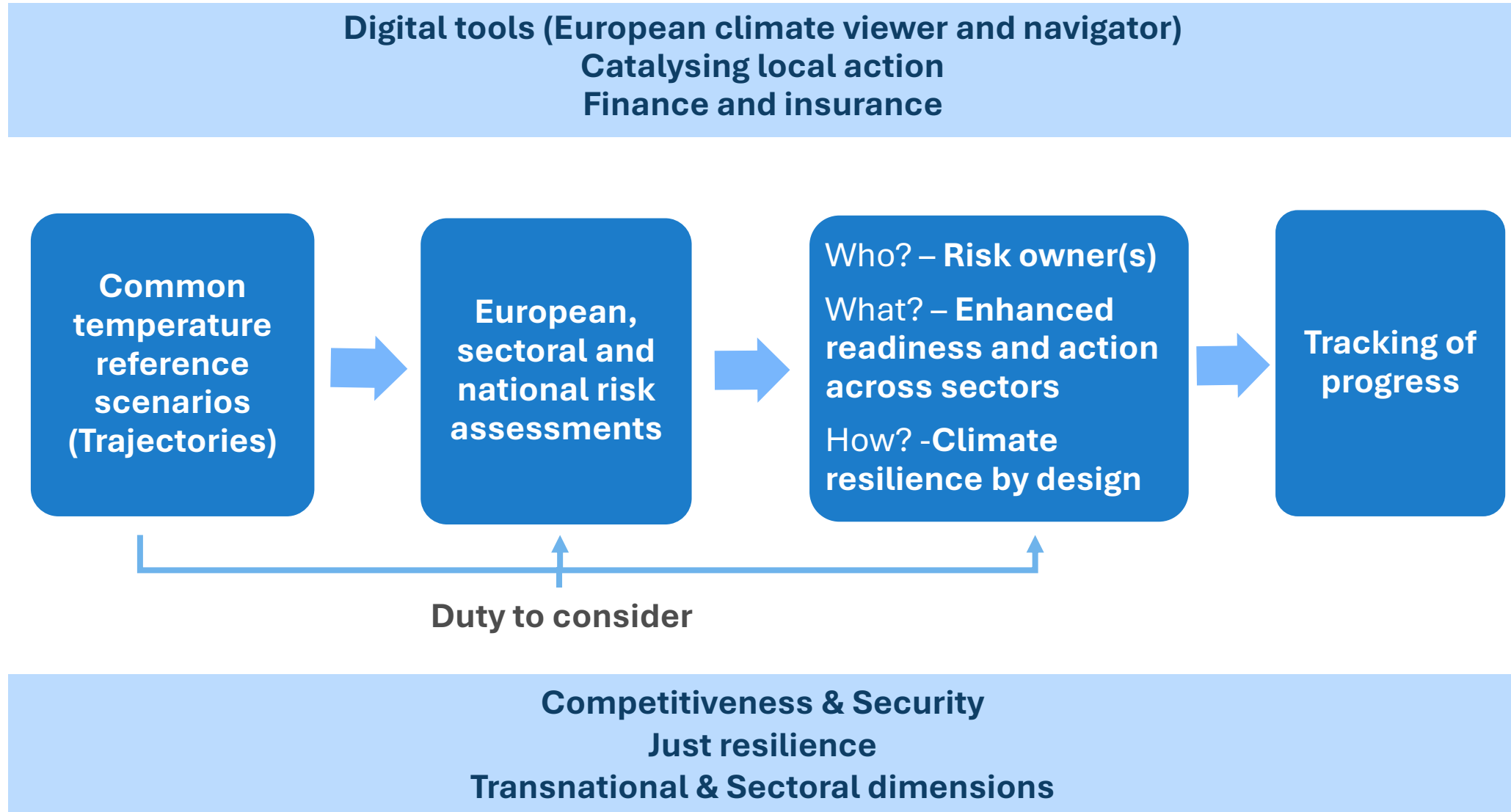


Integrated Framework for Climate Resilience (Q4 2026)

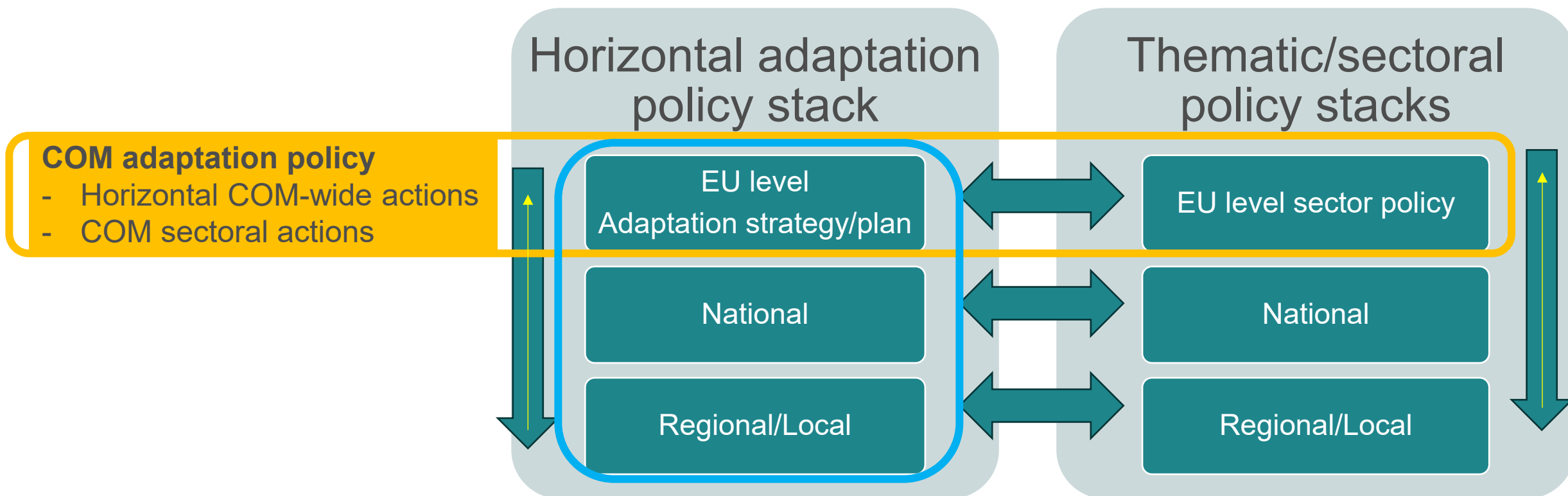
- Announced as 'European Climate Adaptation Plan' in the Political Guidelines 2024-2029
- Key element of a broader policy agenda
- Reflected in mission letters of several Commissioners
- Developed as all-of-Commission initiative
- Will work with other EU flagship initiatives



Envisaged key elements



Building climate resilience into policy and action



Policy package under consideration

Main

- **Communication**
- **Legislative proposal**
- **Document (tbc)**
on the application of climate resilience by design within the Commission

Others

- **Impact Assessment**
with summaries of stakeholder consultations
- **Digital European Climate Viewer**



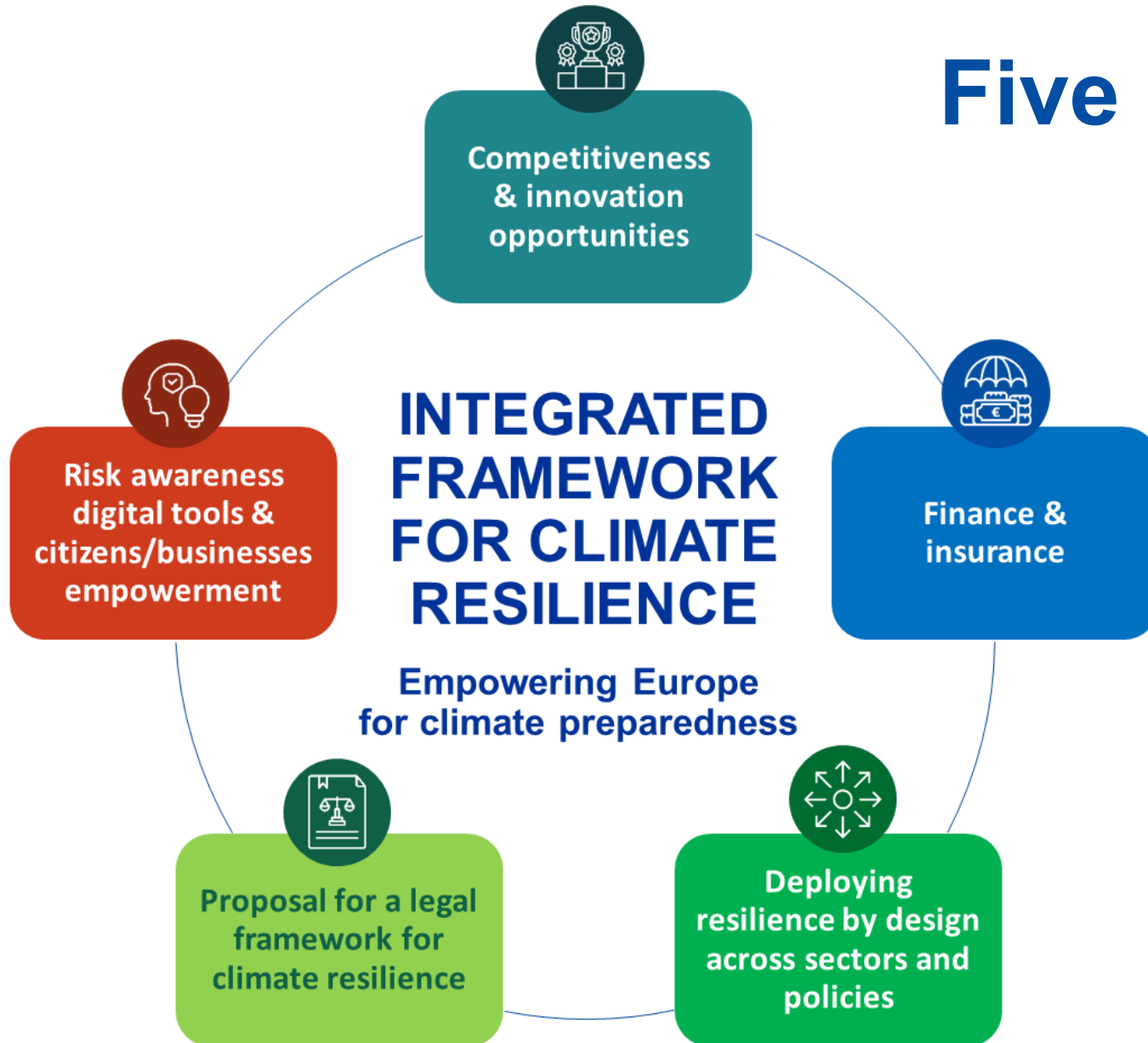
**Expected delivery date:
4th quarter 2026**

Milestones for developing the policy package

04/09/25	'Call for evidence' closed
09/25	Launch of the Impact Assessment process
12/25 - 02/26	Open public consultation (open 12 weeks)
Q4 2026	Adoption of the package and publication of the Impact Assessment

Commission: Inter-Service Coordination Group established (ISCG): 30+ services

Five key components



Elements under consideration



- **Guiding principles**
(Proportionality, subsidiarity, EU value added, coherence with existing EU law, joined up efforts, avoiding unnecessary red tape...)
- **General elements**
(definitions, objectives, targets, indicators...)
- **Important concepts**
(mainstreaming, resilience by design, common climate/temperature reference scenarios, risk ownership...)
- **Risk assessments**
(European climate risk assessments (EUCRA), national and sectoral climate risk assessments...)
- **Climate resilience/adaptation governance at EU and national levels**
(including transboundary considerations)
- **Monitoring, reporting, evaluation and learning**

GUEST SPEAKER



Buildings at the Centre of Climate Resilience: European and Global Perspectives

Karim Selouane, Director of European and International Affairs, CEREMA. Member of the Adaptation Hub Steering Committee, GlobalABC; Member of the European Commission Mission Board on Climate Change Adaptation





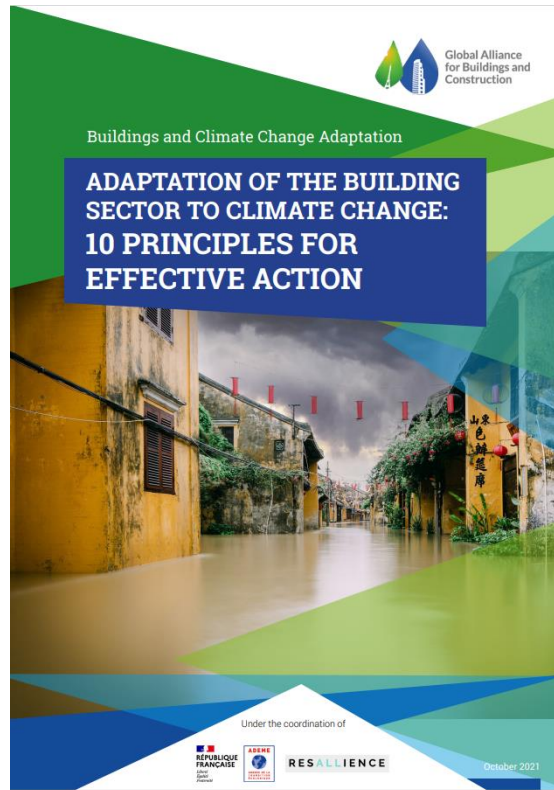
RÉPUBLIQUE
FRANÇAISE

*Liberté
Égalité
Fraternité*



FROM ADAPTATION HUB OF GLOBAL-ABC TO THE ABCD METHOD FROM CEREMA

Trough 10 Principles for Effective Action on Adapting the Building Sector to Climate Change



1. **Urgency/** *Act now*

2. **Stakeholders/** *Consider a systemic integration of measures for adaptation across the entire value chain*

3. **Process/** *Consider adaptation along the entire lifecycle of an asset.*

4. **Mitigation/** *Implement adaptation and mitigation in tandem.*

5. **Data/** *Understand climate risk data and accept uncertainty.*

6. **Scale/** *Think beyond asset-level.*

7. **Green/** *Consider nature-based solutions.*

8. **People/** *Promote a “just adaptation” of the building sector.*

9. **Finance/** *Enables adaptation of the building sector.*

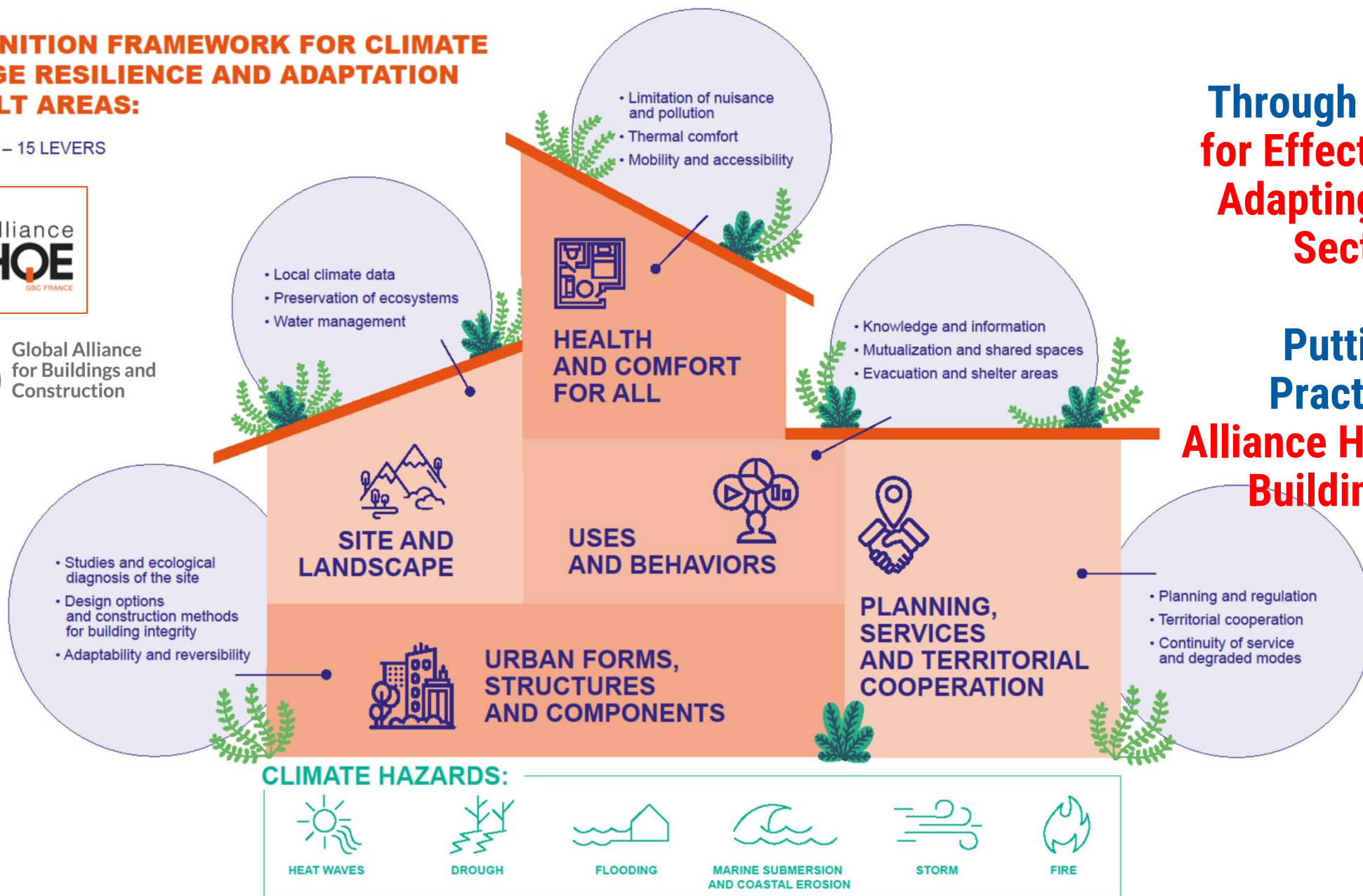
10. **Local/** *Fit adaptation measures to the local context.*

A DEFINITION FRAMEWORK FOR CLIMATE CHANGE RESILIENCE AND ADAPTATION IN BUILT AREAS:

5 DOMAINS – 15 LEVERS



Global Alliance
for Buildings and
Construction

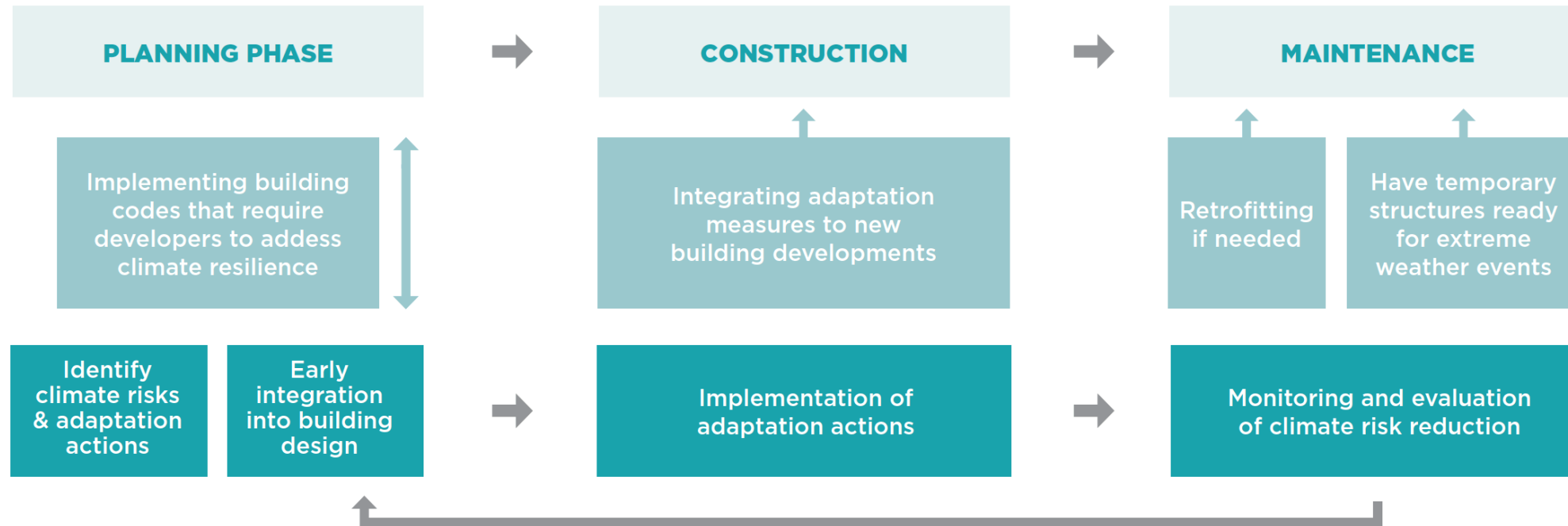


**Through 10 Principles
for Effective Action on
Adapting the Building
Sector to Climate
Change**

**Putting Them into
Practice within the
Alliance HQ Resilience-
Building Framework**

Accelerating Alignment with the 10 Principles for Effective Action In Tandem with Mitigation / Decarbonisation Construction Life Cycle / Construction and Climate Change Adaptation

NEW BUILDINGS DEVELOPMENT CYCLE



ADAPTATION PLANNING



DÉCLARATION DE CHAILLOT SIGNED MARSH 2024 BY PAR 75 STATES



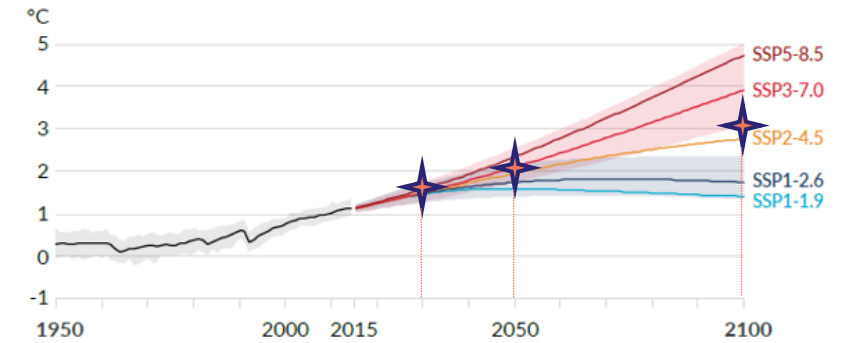
BUILDING ADAPTATION AND THE ABCD METHOD

Global warming and buildings at risk

Year	2030	2050	2100
Global warming level	+1,5°C	+2°C	+3°C
Warming level in France	+2°C	+2,7°C	+4°C

Figure 2 : Augmentation de la température de surface dans chacun des scénarios par rapport aux niveaux de 1850-1900

a) Global surface temperature change relative to 1850-1900



Hazard	 Heat wave	 Drought – clay swelling and shrinkage	 Heavy rain	 Flood	 Hail	 Storm and strong wind	 Forest fire	 Marine submersion
Risks	Overheating Activity shutdown	Cracks and structural deterioration Collapse in extreme cases	Water leaks Floods due to runoff	Inside and outside deterioration Activity shutdown	Building shell damages	Building elements blown away Damages due to external objects	Durable damages or destruction	Damages due to water Damages due to salt

The phases of the ABCD method

ABCD : Adaptation des Bâtiments au Climat de Demain
Buildings' adaptation to tomorrow's climate

1

Real estate's risk diagnosis

- Framing of diagnosis
- Exposure analysis
- Vulnerability analysis
- Crossing, risk analysis and prioritization

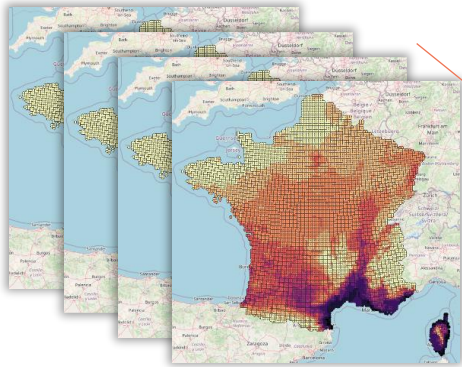
2

Adaptation strategy

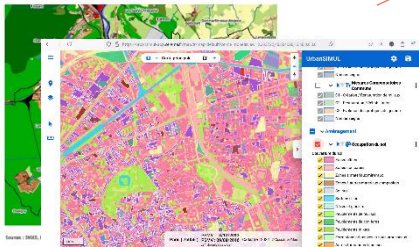
- Selection of actions
- Adaptation logics : reactive, incremental and transformative
- Trajectories and action roadmaps

Definition of Risk

TRACC level of warming
Mapped projected indicators



Territories' sensibility
Mapped indicators



External parameters

Climate parameters

Territories' vulnerability

Exposure

Internal parameters

Sensibility

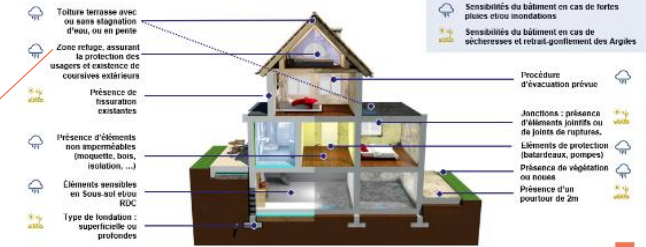
Stakes

Adaptative capacity

Vulnerability

Risk

Building's sensibility Data collection

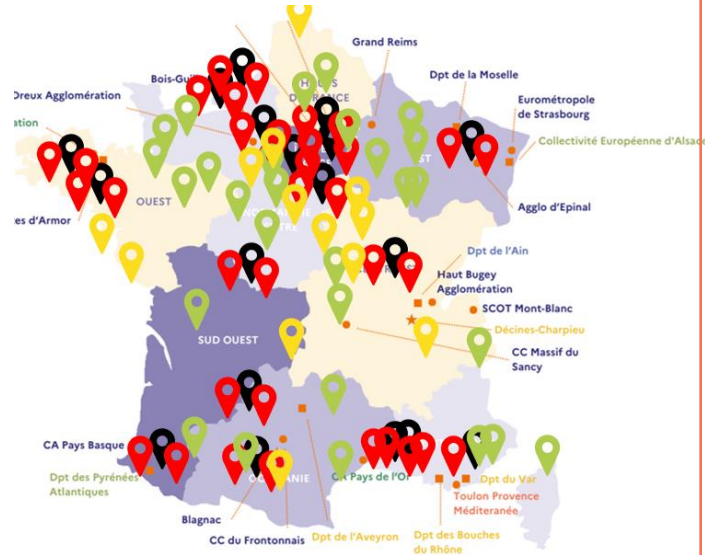


Stakes Data collection



Adaptation strategy

1 Risk diagnosis



➡ **Buildings' prioritization**

2 Strategy



Technical solutions



Organizational solutions



Nature-based solutions



Reactive strategy

Incremental strategy

Transformative strategy

➡ **Multi-hazard and multi-stakes strategy and roadmaps**

Suggested topics for works

1 Data analysis

- Identification of available data
- Actors managing this data
- Collection of this data
- Centralization and accessibility
- Analysis for each climate hazard

2 Technical Solutions

- Identification sheet for each solution
- Data collection (monitoring/performance)
- Collection of implementation costs
- Cost/performance analysis



Thank you !
Karim.selouane@cerema.fr

GUEST SPEAKER



The Insurance Perspective: Assessing and Managing Climate Risk

*Florian Wimber, Head of European and International Affairs,
GDV - The German Insurance Association*



The Insurance Perspective

Assessing and Managing Climate Risk

05/07/2026

Florian Wimber

Head of European and International Affairs

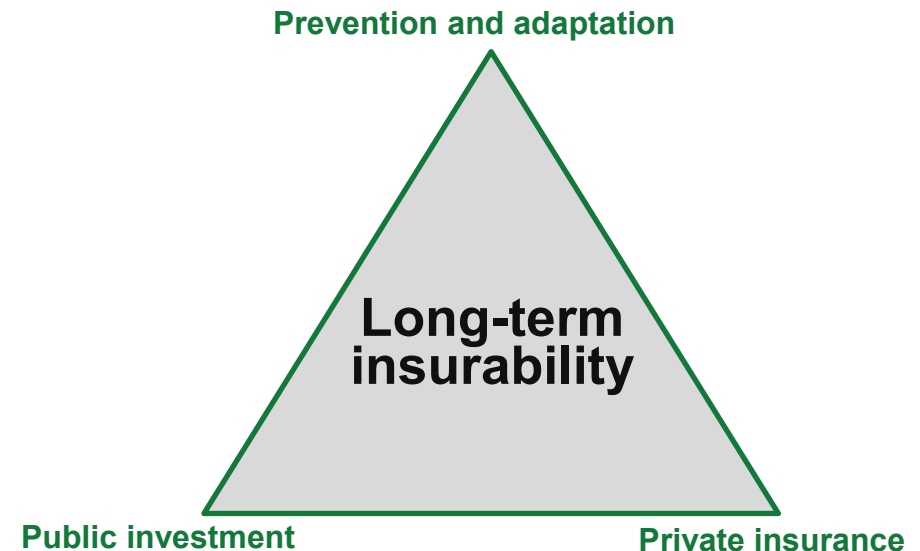


Climate risk is already affecting buildings and insurance

Climate resilience is a condition for long term insurability.

- **Climate related losses are rising**
 - 2024 insured property losses in Germany: 4.4 billion euro
 - 2.6 billion euro from natural hazards excluding storm and hail
 - 1.8 billion euro from storms and hail
- **The issue is structural**
 - Average annual natural hazard losses excluding storm and hail since 2002: around 2 billion euro
 - Even without the Ahr Valley flood: around 1.5 billion euro
- **Protection gap remains**
 - 57 percent of residential buildings in Germany insured against natural hazards in 2024
 - Up from 45 percent in 2019

➡ **Insurance can manage financial consequences, but cannot replace risk reduction!**



The upcoming 'Integrated Framework for Climate Resilience'

A chance to get prevention right.

- **Upcoming EU initiative**
 - The European Commission's Climate Resilience Framework is expected in Q4 2026
- **GDV priorities**
 - Natural hazard portals in all EU Member States
 - Mandatory risk assessments for buildings
 - Climate resilience by design in planning, construction and public funding
 - Support for national public private partnership solutions
 - Preserve risk based pricing
 - Avoid one size fits all European pooling
- **Why this matters**
 - Better data improves decisions
 - Prevention keeps risks insurable
 - National systems reflect national risk profiles
 - EU action should complement, not replace, existing solutions



1. **Risk awareness**
2. **Prevention**
3. **Resilient buildings and infrastructure**
4. **Insurability**

Thank you very much for your attention!

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Q&A Session



GUEST SPEAKER



Urban Adaptation in Practice: Responding to Extreme Heat
Elissavet Bargianni, Chief Heat Officer, City of Athens



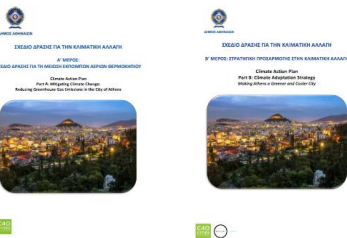
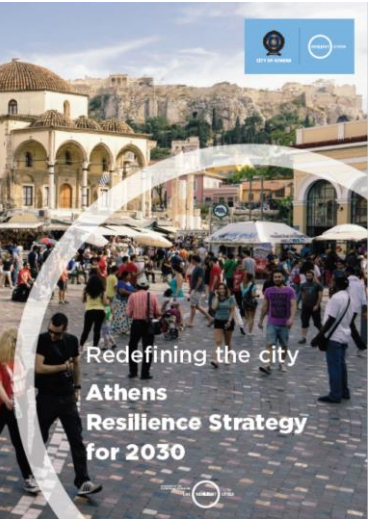


Climate Resilience: how to adapt cities and buildings?



Elissavet Bargianni
Chief Resilience & Chief Heat Officer
Resilience & Sustainability Department
Landscape Architect | Climate Adaptation Coordinator
Strategic Planning, Resilience, Innovation & Documentation Division, City of Athens

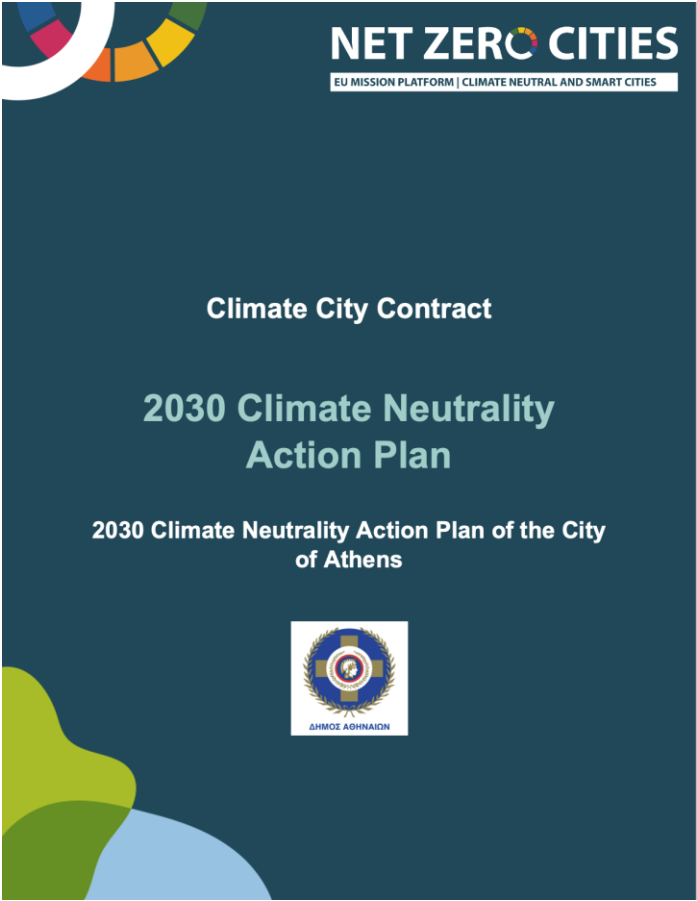
2017

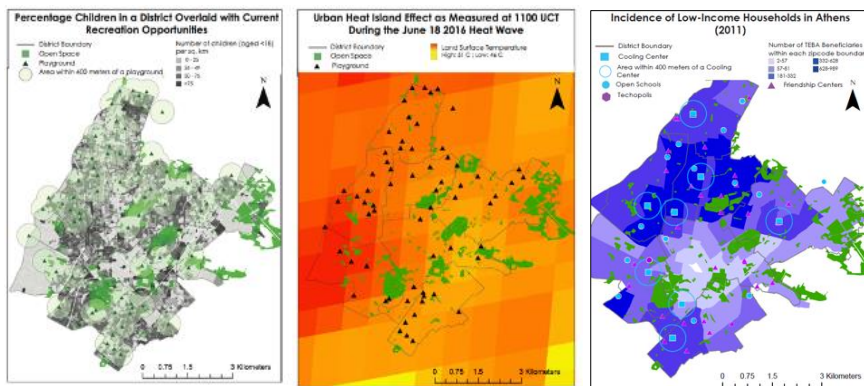


2022

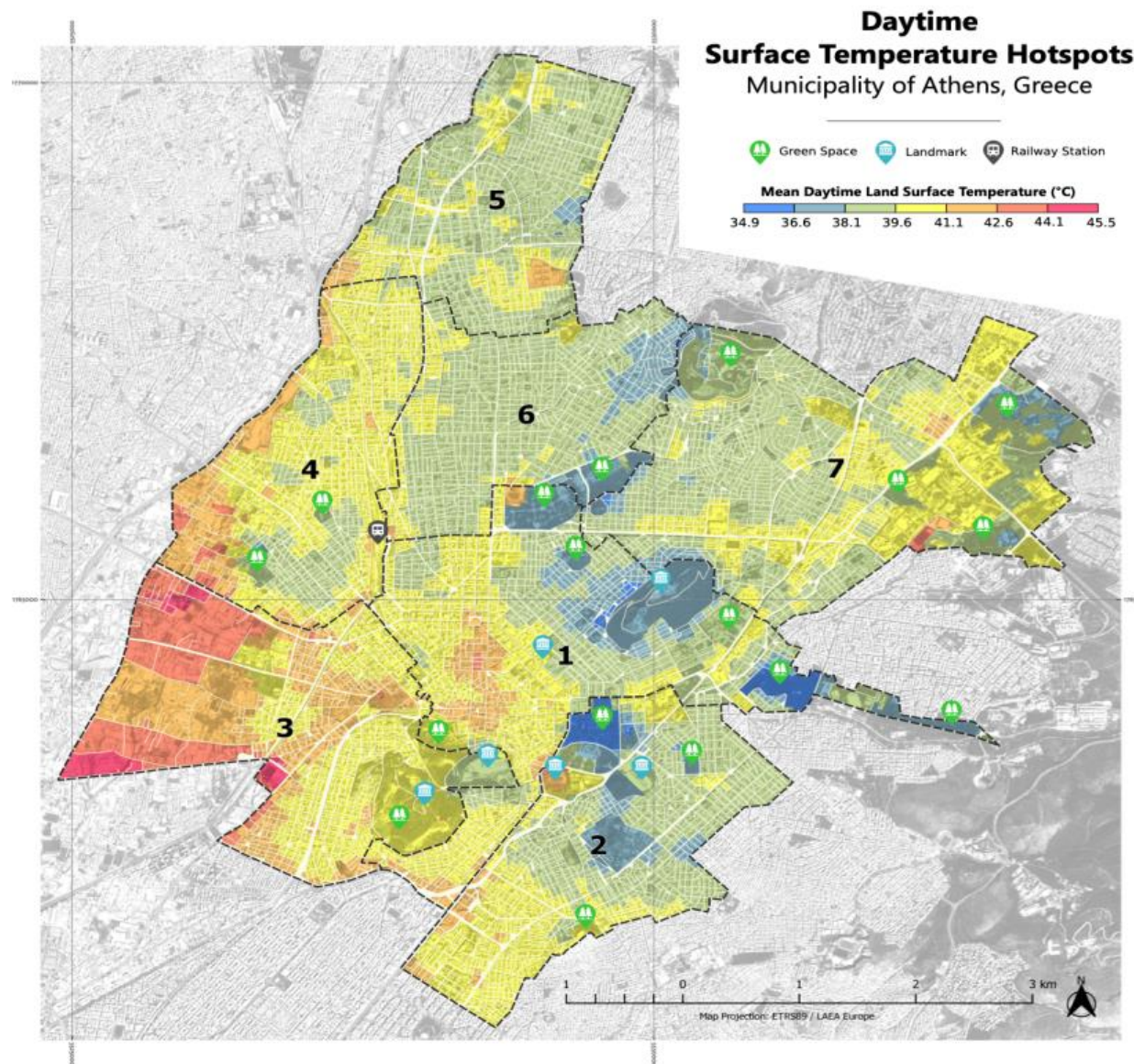
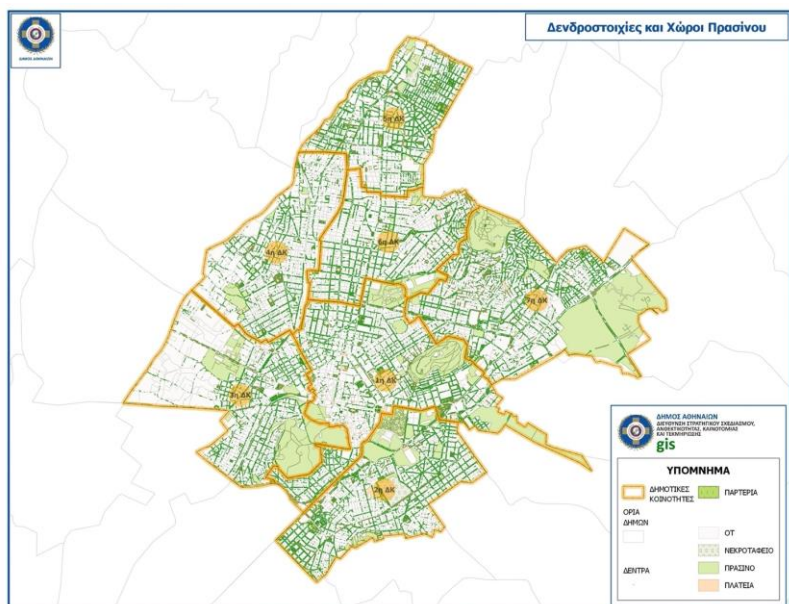


2024





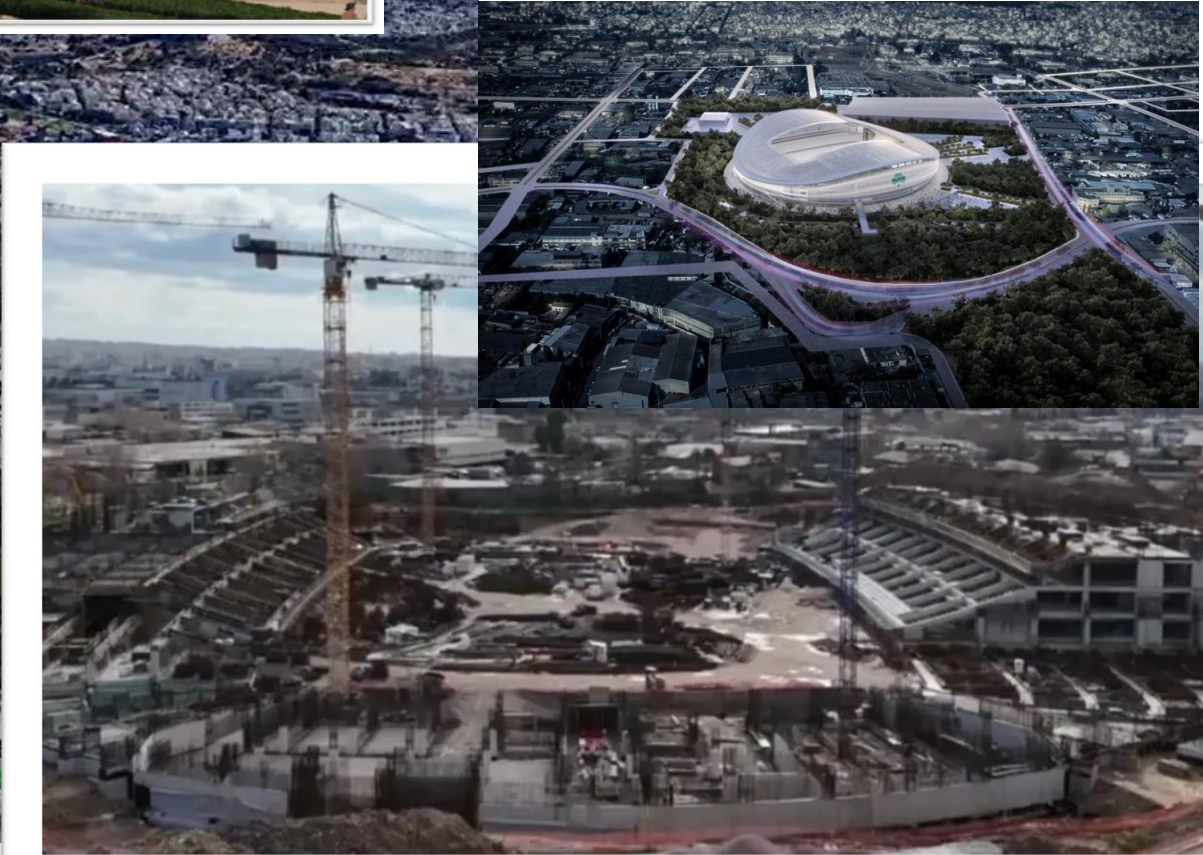
*Prepared by Bloomberg Associates with the Athens Office of Resilience and Sustainability



Creation of New large scale green spaces of metropolitan importance

VOTANIKOS
Urban Regeneration Project

Λ. ΑΛΕΞΑΝΔΡΑΣ - ΒΟΤΑΝΙΚΟΣ





Strengthening Green Spaces in Athens

**Almost 13,000 new
trees**

Period: 1/1/2024 - today

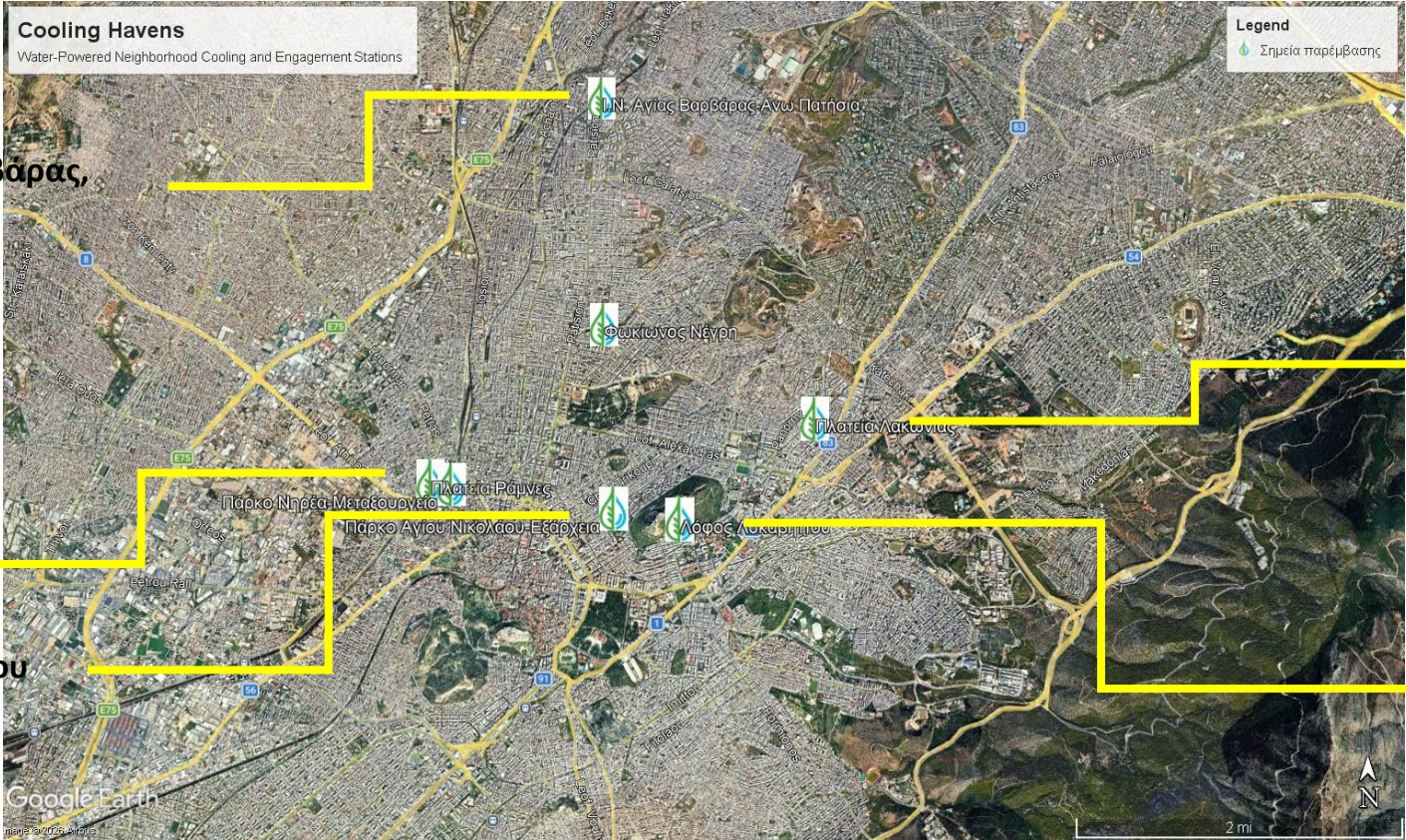
<https://athenstrees.cityofathens.gr/>

Small and medium scale parks

Πλατεία Ι.Ν. Αγίας Βαρβάρας,
Ανω Πατήσια

Πλατεία Ράμνες,
Μεταξουργείο

Πάρκο Ι.Ν. Αγίου Νικολάου
Εξαρχείων



Πλατεία Λακωνίας, Αμπελόκηποι



Λόφος Λυκαβηττού

Cooling Havens EUI



Co-funded by
the European Union

EUROPEAN
U R B A N
INITIATIVE

A **microforest**, the first in Greece, in one of the **most densely populated neighborhoods** in Europe, Kypseli



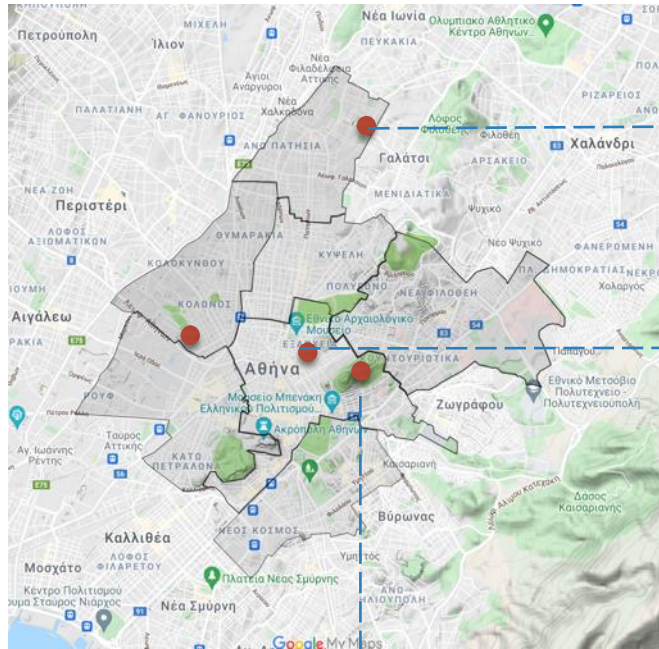
Green and Blue Cultural Routes

- In the city centre

The Athenian Great Walk and Vassilisis Olgas Avenue



- local-neighborhood level



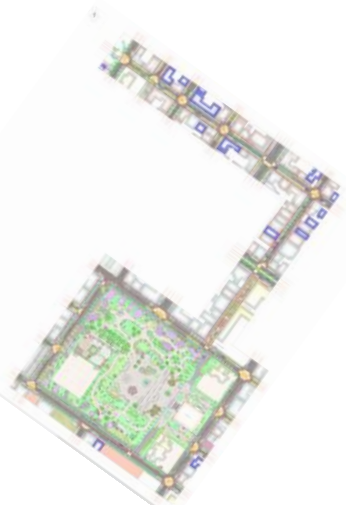
- Athens Resilient City and Natural Capital NCF project



Lamprini

Plato's Academy

Exarcheia



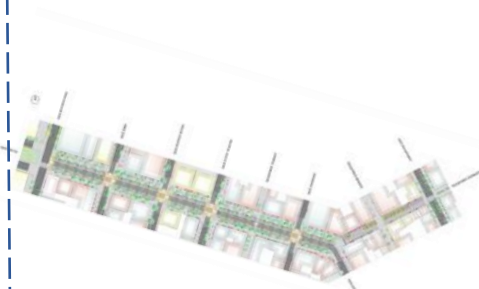
ATHENS RESILIENT CITY

Λαμπρινή



ATHENS RESILIENT CITY

Ακαδημία Πλάτωνος



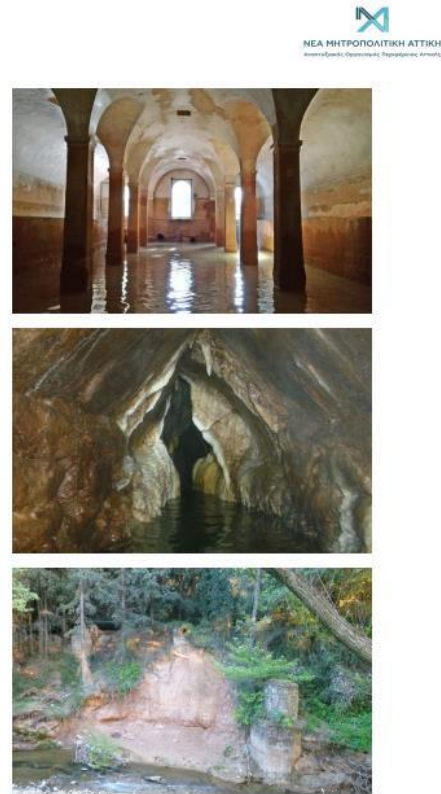
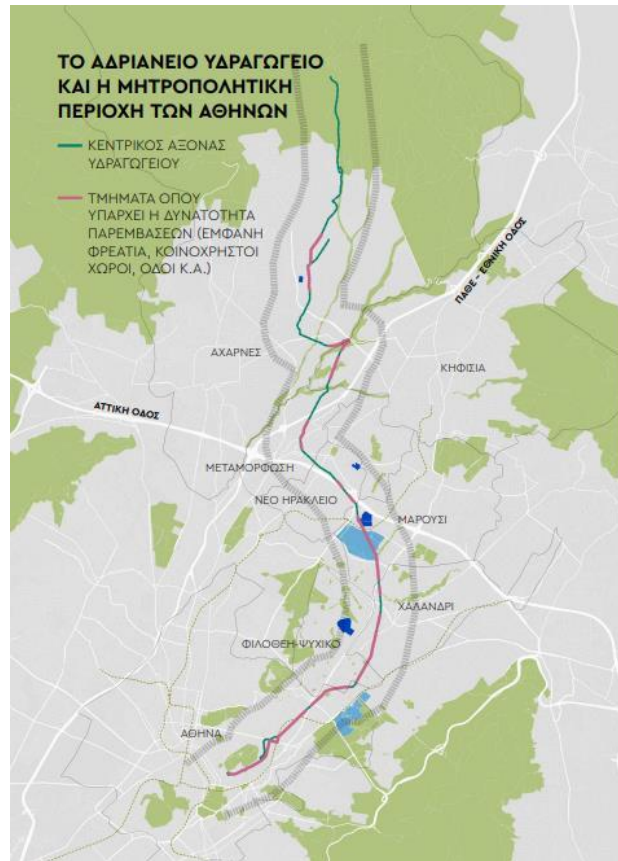
ATHENS RESILIENT CITY

Εξάρχεια

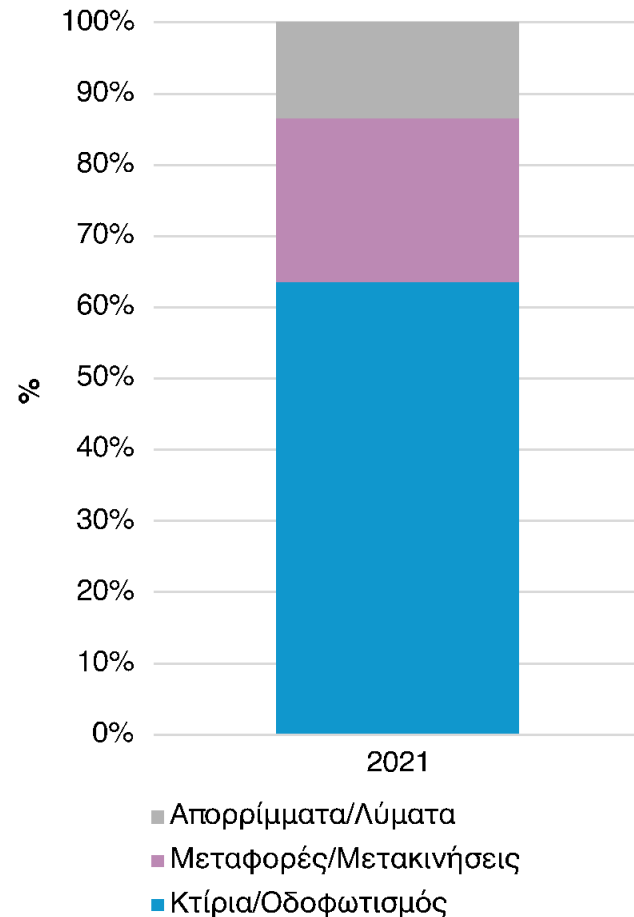


- metropolitan level

Hadrians Roman aqueduct route



Greenhouse gas (GHG) emissions 2021

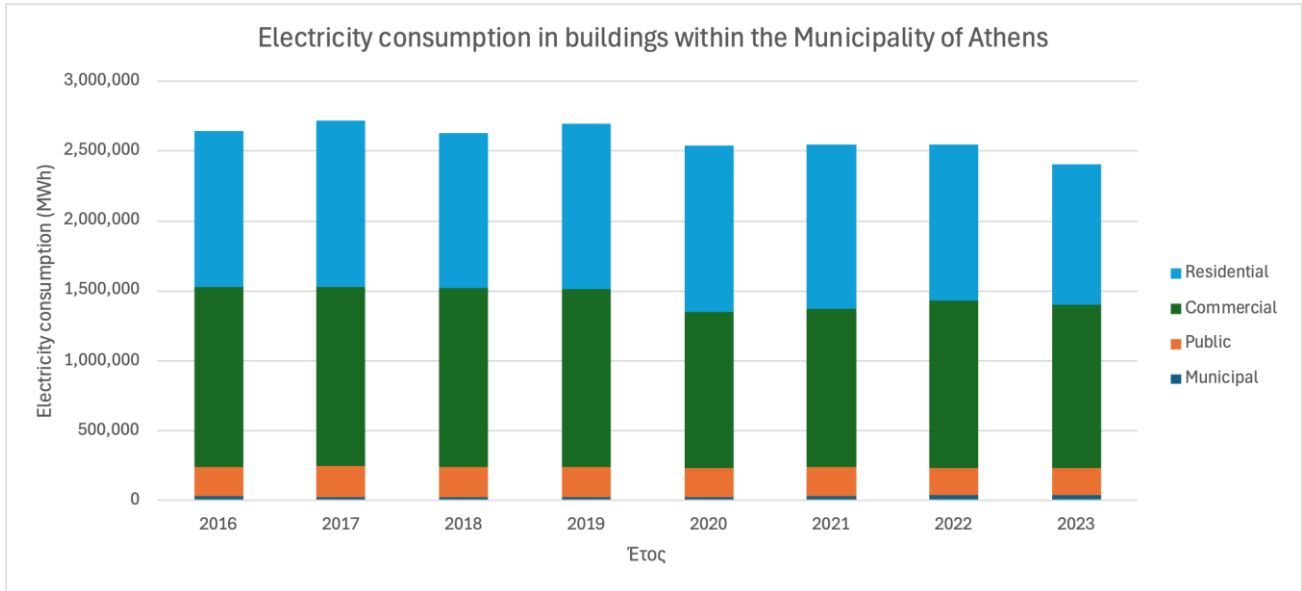
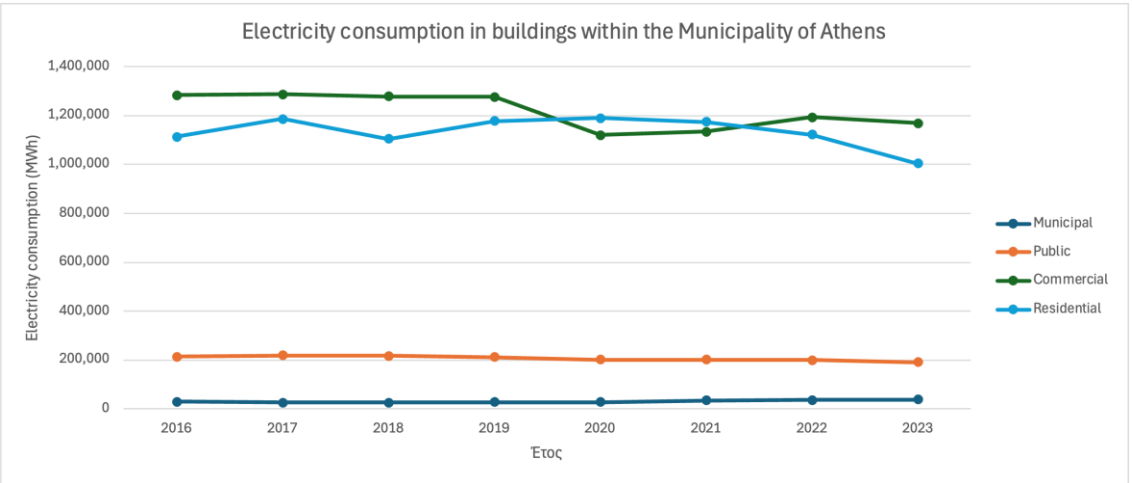
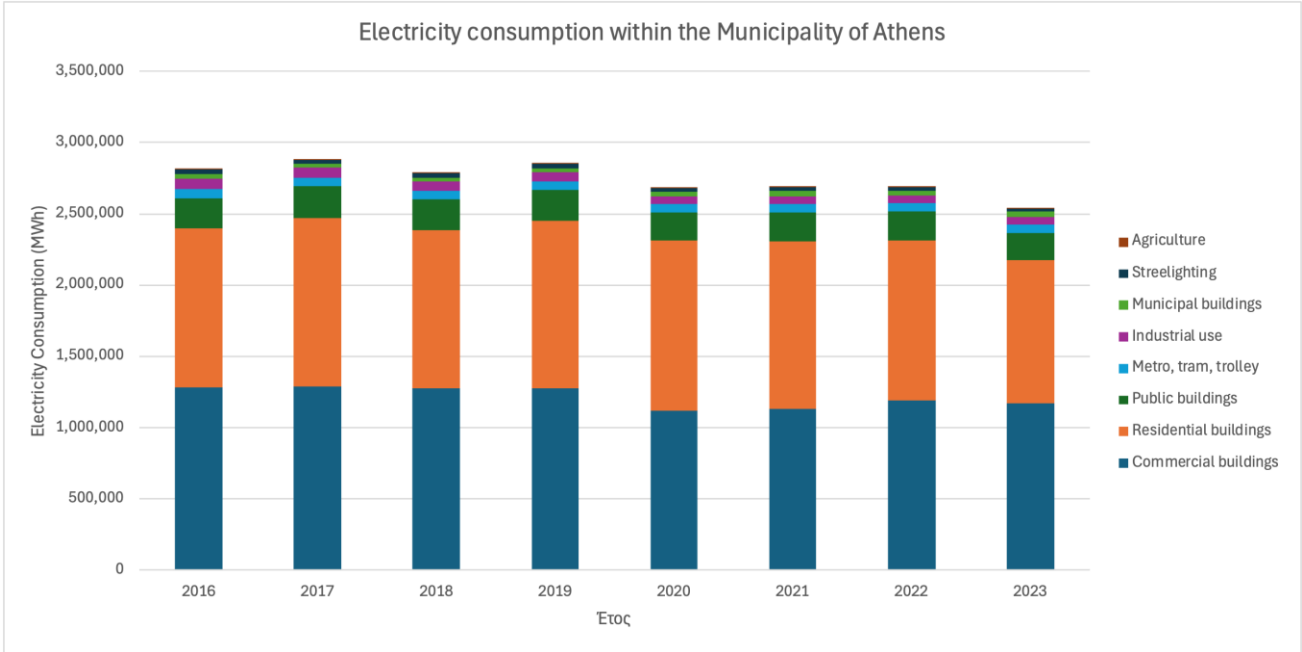
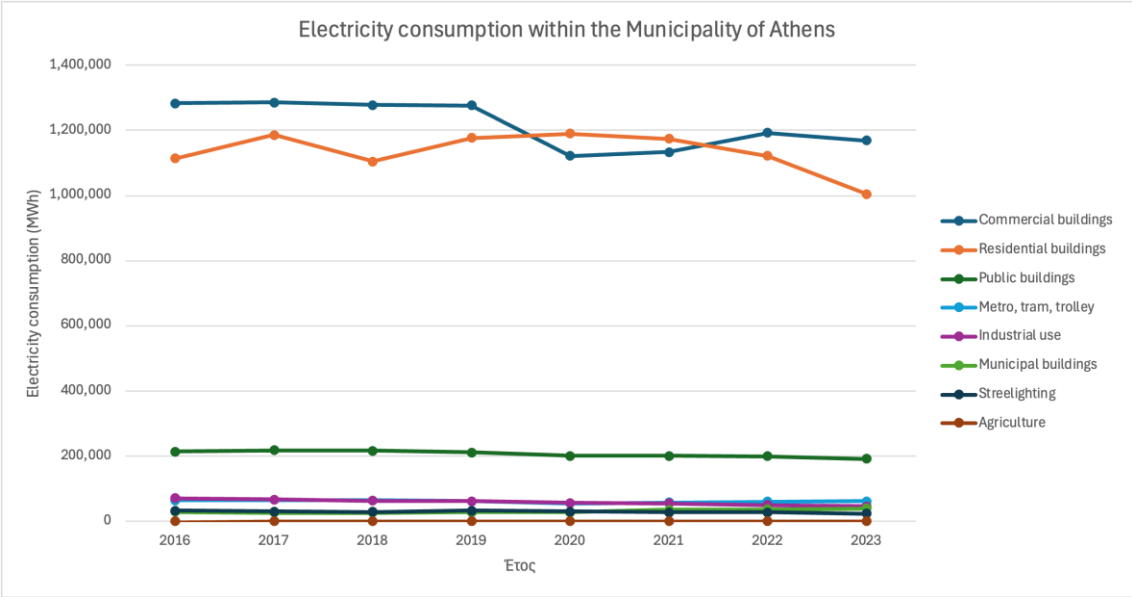


Source: City Inventory Reporting and Information System (CIRIS) for Athens – 2021

1. Emissions from energy consumption in **buildings** and **street lighting** within the Municipality of Athens (**64%**)
2. Emissions from **transport** and **movements** within the Municipality of Athens (**23%**)
3. Emissions from **solid waste** and **sewage** produced within the Municipality of Athens (**14%**)

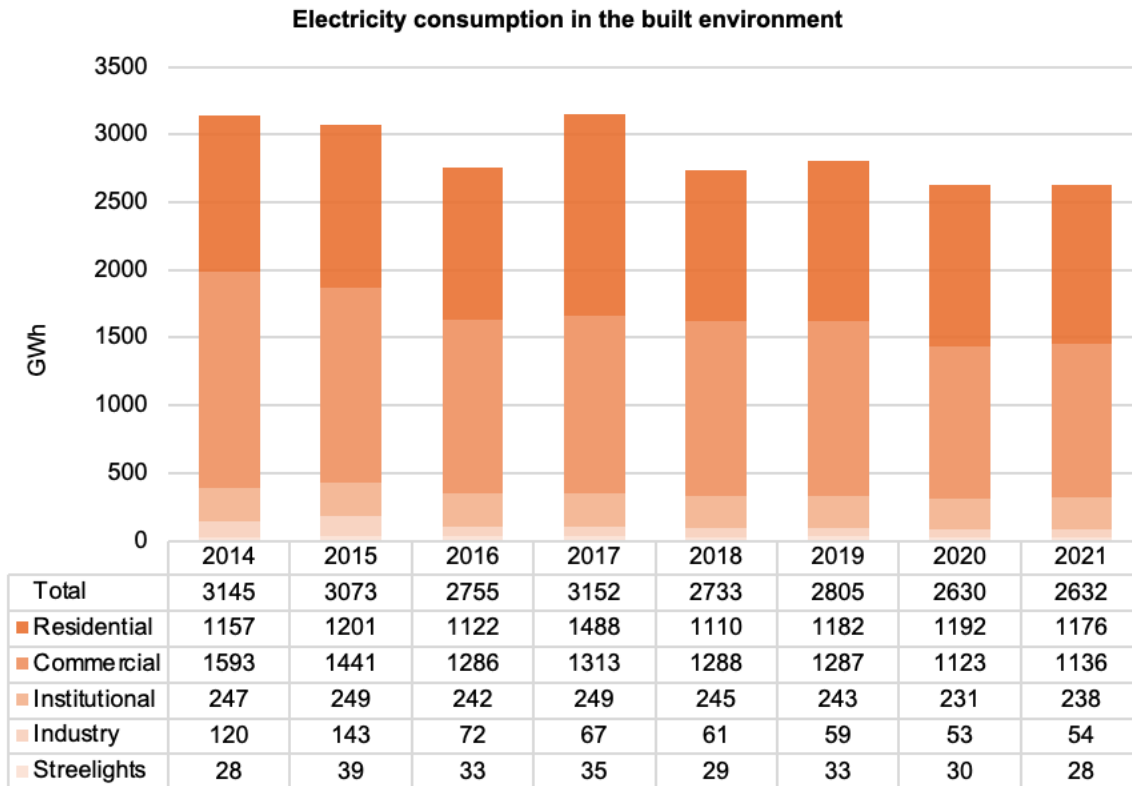
Total: 1935 kilotons CO₂e*

* BASIC reporting level

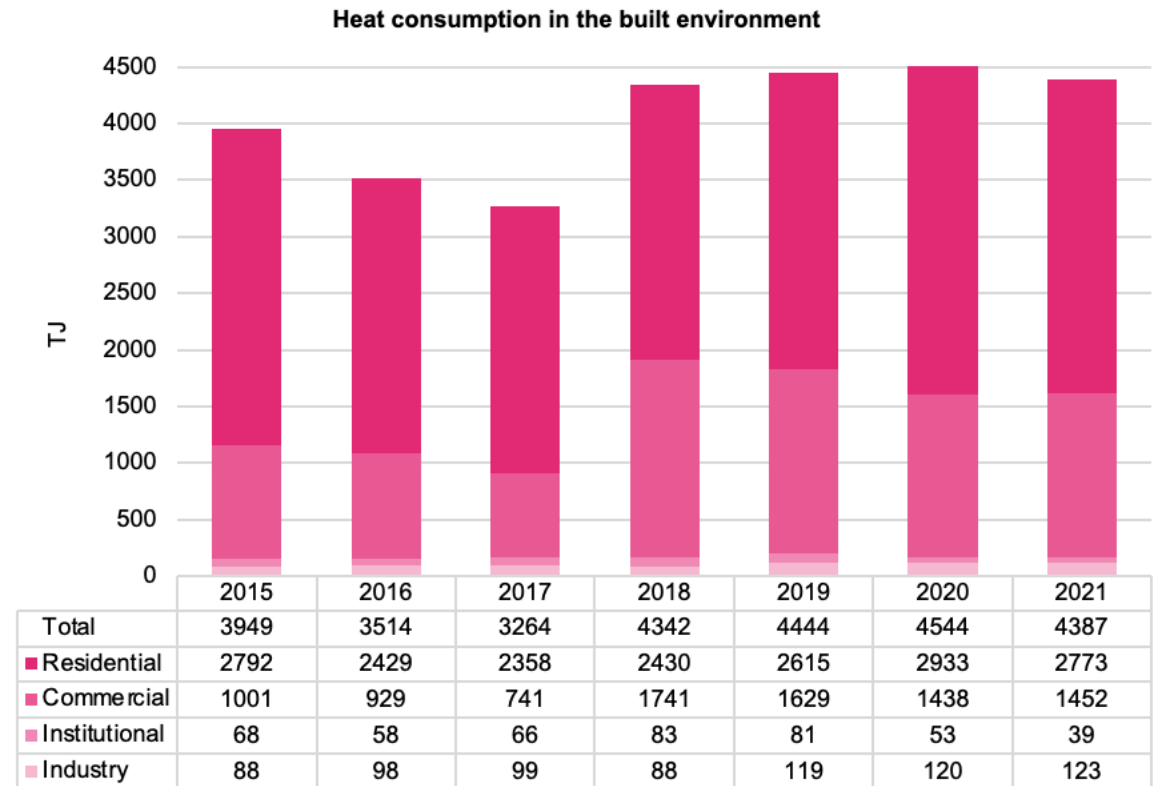


Energy use in buildings and street lighting

Electricity



Heating



Athens City Summary

Energy Poverty

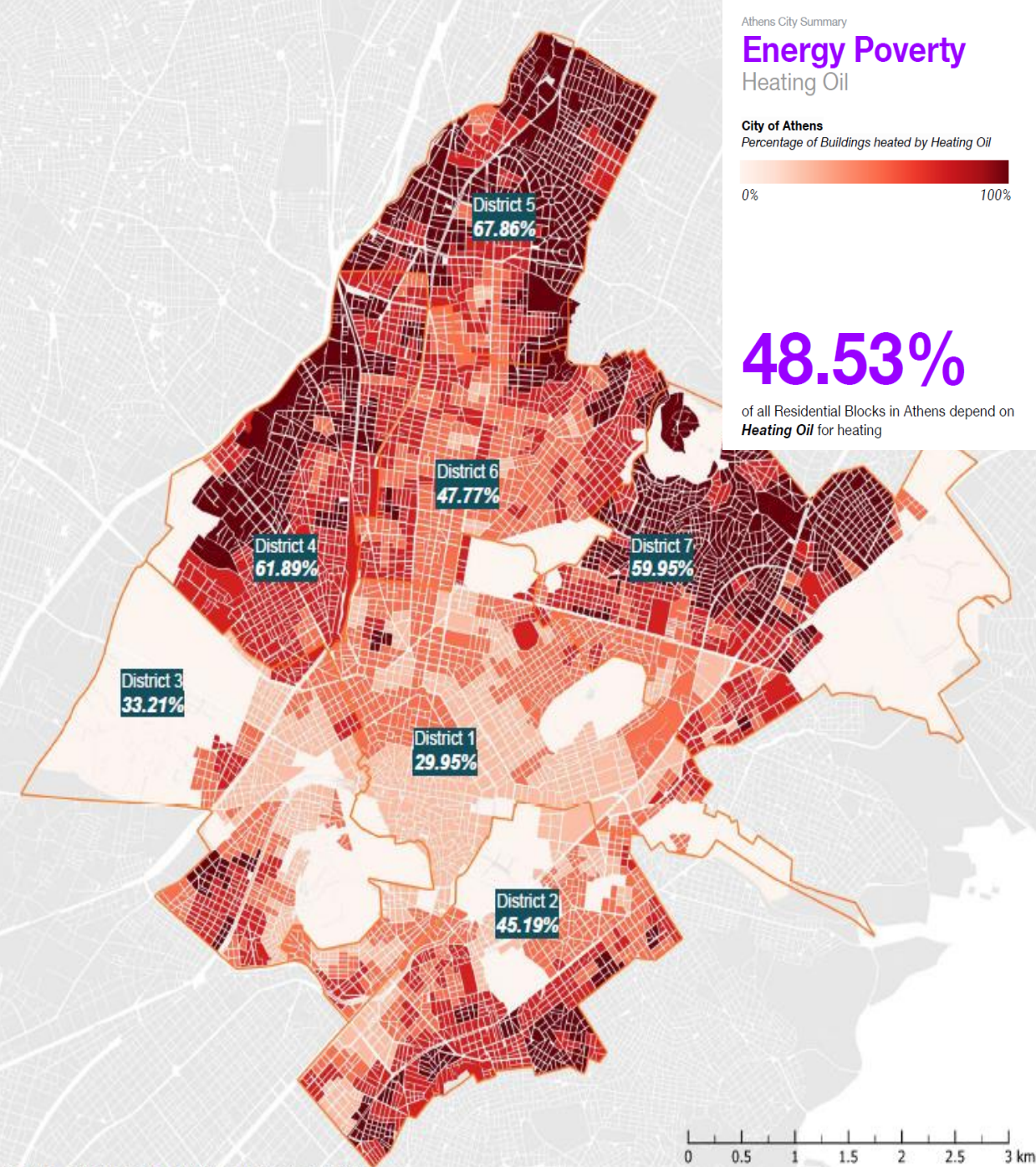
Heating Oil

City of Athens
Percentage of Buildings heated by Heating Oil

0% 100%

48.53%

of all Residential Blocks in Athens depend on
Heating Oil for heating



Source: Athens Cohort. Norman Foster Institute

Athens City Summary

Energy Poverty

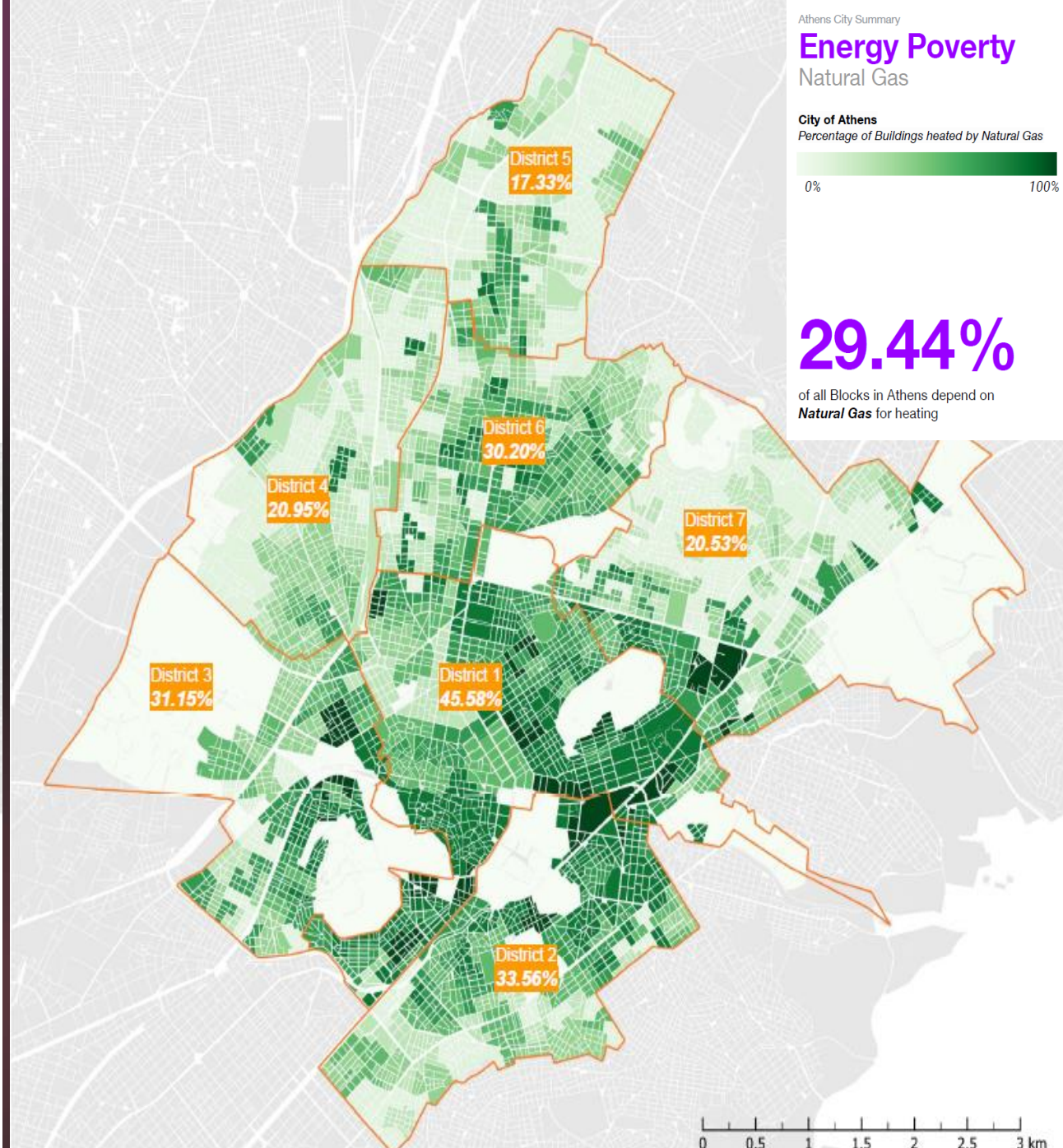
Natural Gas

City of Athens
Percentage of Buildings heated by Natural Gas

0% 100%

29.44%

of all Blocks in Athens depend on
Natural Gas for heating



Source: Athens Cohort. Norman Foster Institute

Energy Poverty

Insulated Building Stock

City of Athens

Percentage of Insulated Buildings within Blocks

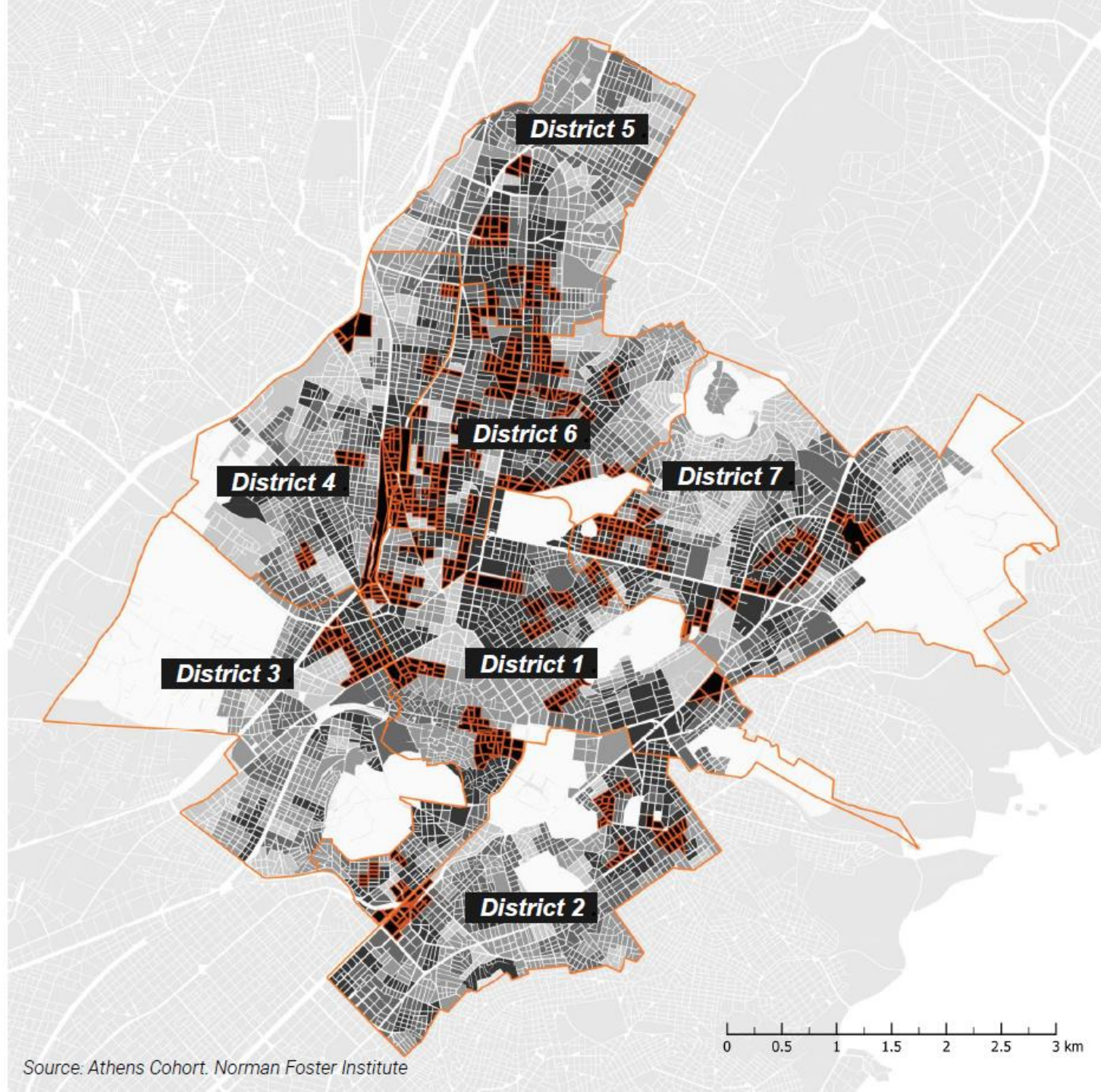


 City Blocks with 0% Building Insulation

75%

of Building Stock in Municipality of Athens are
Not Insulated

Regulation of Thermal Insulation of Buildings (1981)





γραφείο
αντιμετώπισης
ενεργειακής
φτώχειας



γραφείο
αντιμετώπισης
ενεργειακής
φτώχειας

ενεργά δίπλα σου...

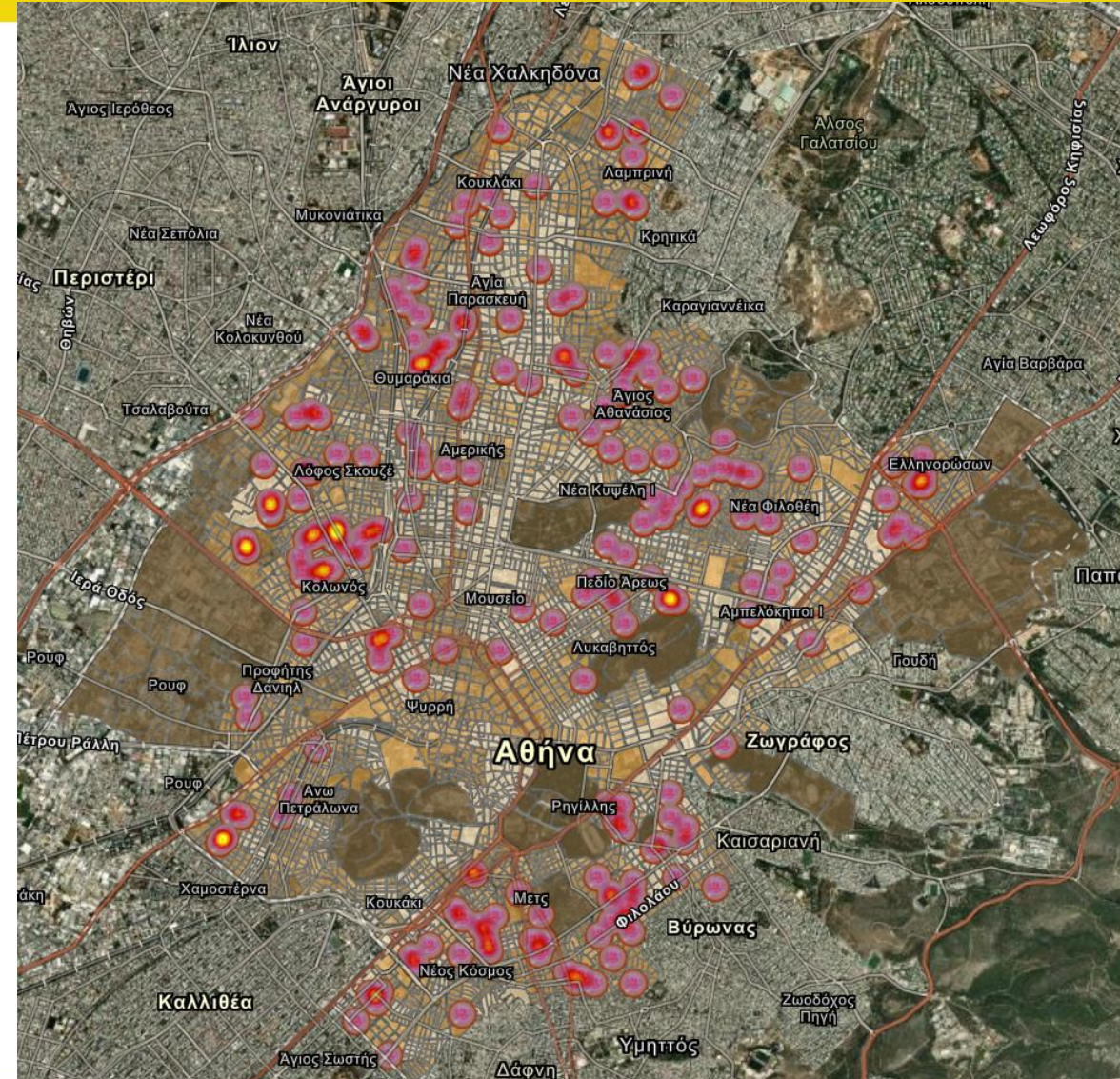
**Μειώστε
το κόστος
ενέργειας
στο σπίτι σας!**

Μάθετε πώς θα περιορίσετε
τις ενεργειακές σας δαπάνες

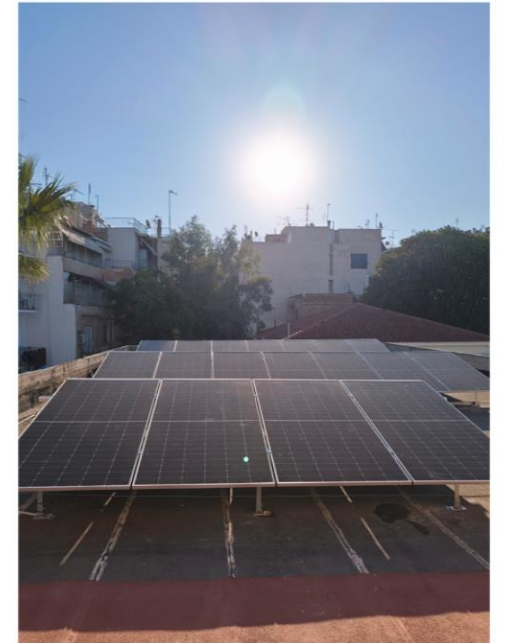
- Certified Energy Advisors & Mentors
- Technical support and tailored energy solutions for the households
- **Zero municipal fees** for energy-vulnerable households
- **Energy Benefit Card**
- **Zero-cost electricity** for 22 years for **4 single-parent families**
- **100,000 LED lamps** to vulnerable households

Key achievements

- Approximately **1,000** households registered
- Zero municipal fees granted to **200** energy-vulnerable households
- Energy Benefit Card issued to more than **350** households
- **72%** of beneficiaries are women

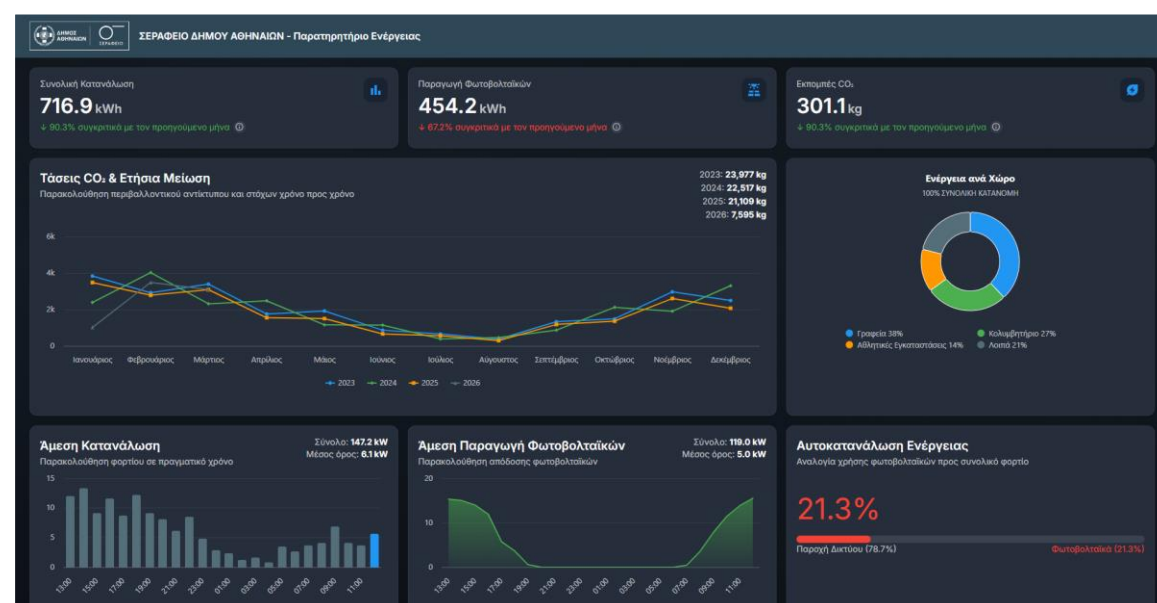


- Installation of PV systems in schools (combined with rooftop gardens)
- Targeted cooling interventions in schoolyards
- Citizens' Energy Community of the City of Athens (ATHENS ENERGY)





Serafeio, City of Athens



Energy Academy





Athens Energy Portal



Co-funded by
the European Union

This project has received funding from European Union's Horizon Europe Research and Innovation programme under the Grant Agreement No 101172887.

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor CINEA can be held responsible for them.

Athens Energy Portal

A digital platform developed by Municipality of Athens, DAEM and NTUA which centralises the energy data of the Municipality of Athens

 Support Intelligent Decision-Making Across Residential and Municipal Infrastructure

*Developed within Enertef (Node 5 -TEF BUILD), integrating digital platforms that collect, harmonise, and analyse building-level energy data to support AI-enabled services for energy efficiency and renewable planning. Its digital layer combines the **Athens Energy Portal**, which aggregates smart-meter and PV generation data across residential and municipal building stocks, with Athens PVGIS, a geospatial decision-support tool that estimates rooftop solar potential across the city.*



Athens Energy Portal

CITY OF ATHENS

Athens Energy Portal

Homepage

CITIZEN INFORMATION

Dashboard

CITIZEN SUPPORT

Become a Producer

Energy Poverty Alleviation Office

Municipal Buildings Energy Portal

Comprehensive oversight of Athens' energy footprint. Monitor consumption, manage utility billing, and optimize municipal school infrastructure from a centralized authoritative dashboard.

TOTAL BUILDINGS
454

PUBLIC LIGHTING & SPACES
2,011

TOTAL BILLS
43,731

City of Athens is here for you

Photovoltaics NEW

Photovoltaics at your home

Now you can produce your own clean energy and reduce the cost of electricity!

Discover the solar potential of your building in just a few clicks with the interactive GIS map.

[VIEW THE MAP](#)

Energy Poverty Alleviation Office NEW

Struggling with the cost of electricity and heating?

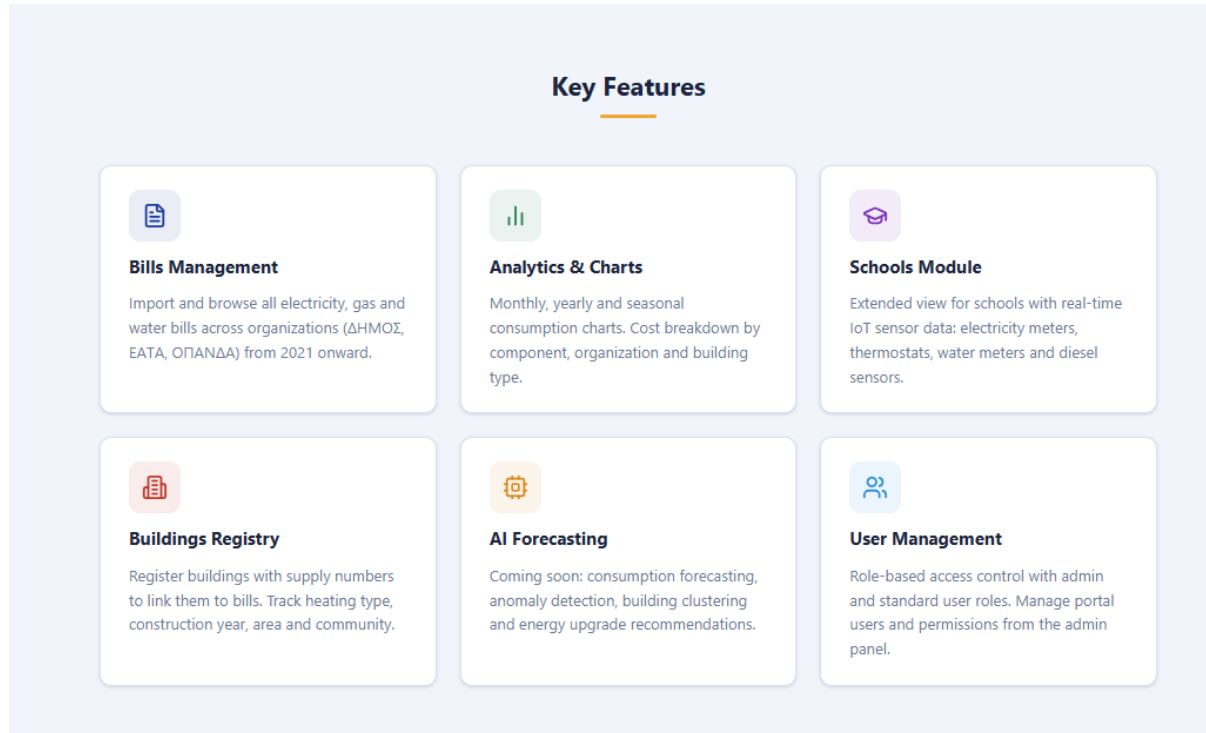
City of Athens can help you.

Learn about the energy relief programs, subsidies, and free services offered by the Municipality to residents of Athens.

[LEARN MORE](#)

Athens Energy Portal

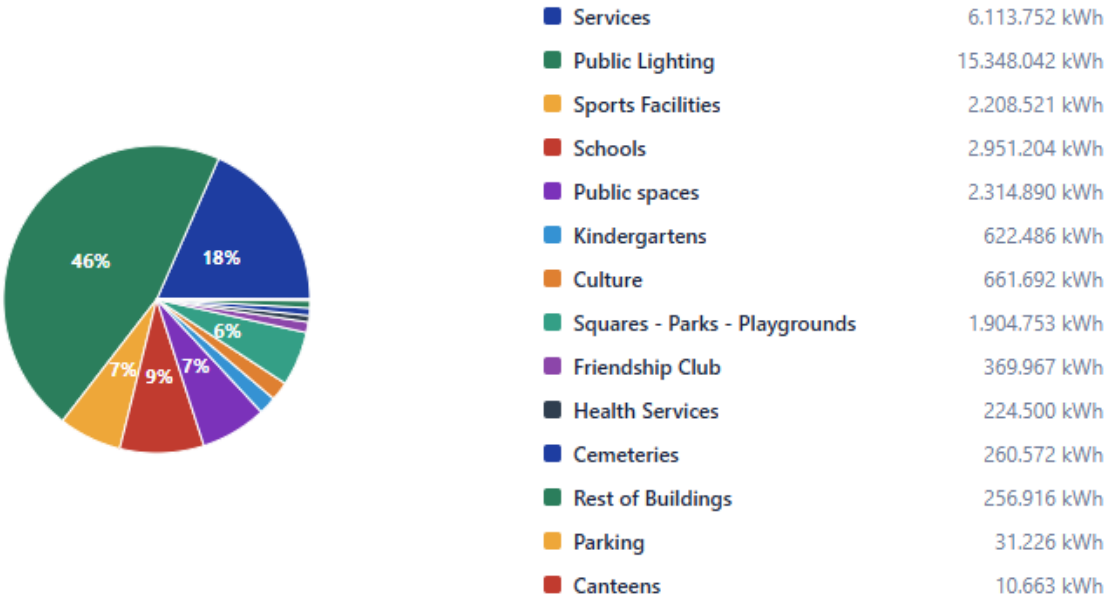
Key Features



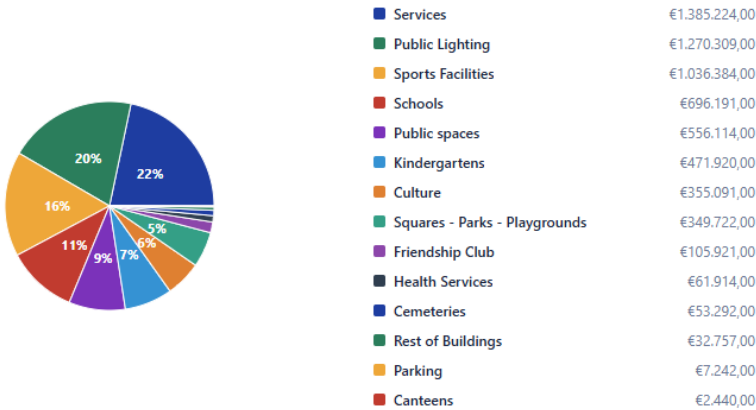
- Centralized energy management for municipal assets
- Integration of building and photovoltaic (PV) data
- Energy analytics and consumption forecasting
- Building-level and device-level monitoring
- Monthly utility bill management
- Real-time monitoring through smart meters

ATHENS ENERGY PORTAL

Energy by Category — 2024



Cost by Category — 2024



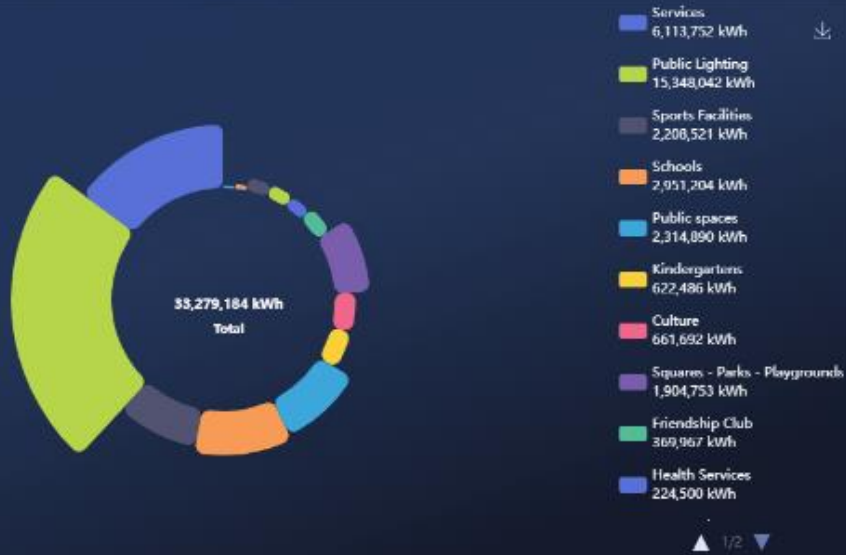
ATHENS ENERGY PORTAL

Dashboard

Overview of consumption and costs across all municipal buildings

Year
2024

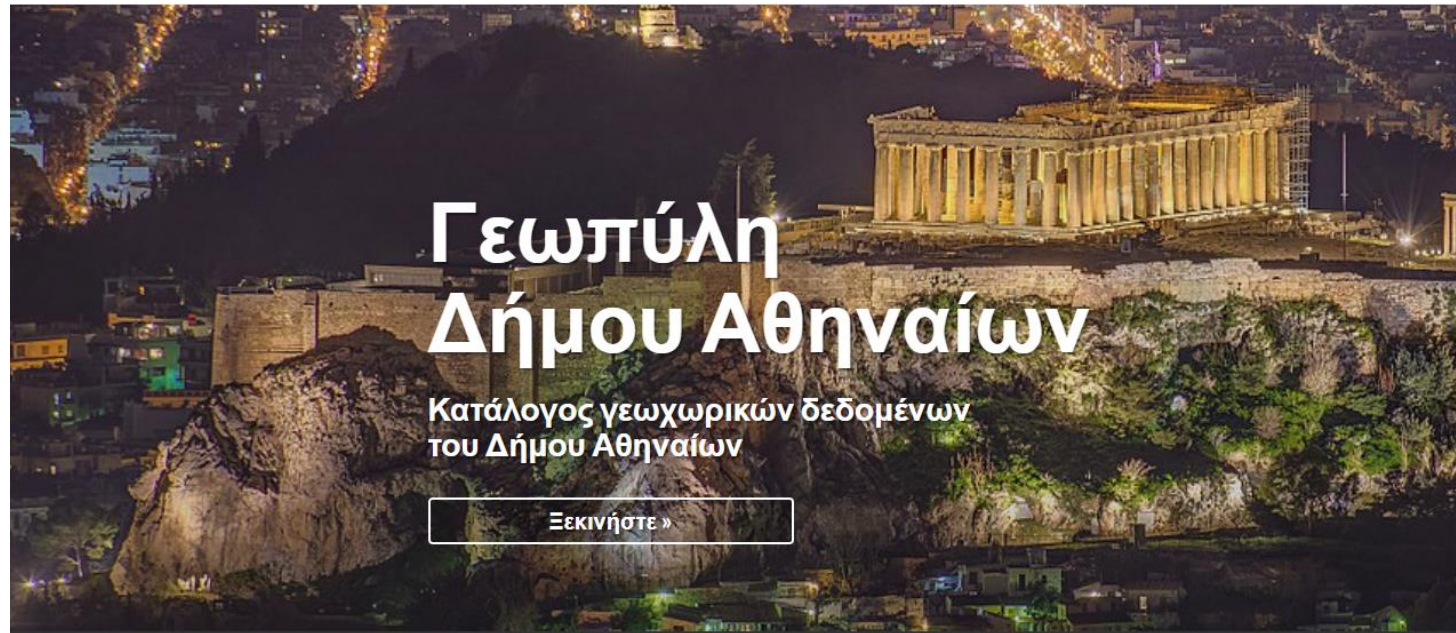
Consumption by category Year 2024



Top Consumers Year 2024

#	Supply Number	Building	kWh
1	18115333501	ΣΕΡΑΦΕΙΟ	2,250,085
2	18115203601	ΔΗΜΟΣ ΑΘΗΝΑΙΩΝ - ΥΠΗΡΕΣΙΕΣ	1,065,960
3	18115315601	ΔΗΜΑΡΧΕΙΟ	677,578
4	78775208701	ΚΑΤΑΣΚΗΝΩΣΕΙΣ ΑΓΙΟΥ ΑΝΔΡΕΑ	624,841
5	18115322301	ΠΛΑΤΕΙΑ ΣΥΝΤΑΓΜΑΤΟΣ	576,388
6	10050299801	ΔΙΕΥΘΥΝΣΗ ΚΑΘΑΡΙΟΤΗΤΑΣ - ΑΝΑΚΥΚΛΩΣΗΣ ΔΗΜΟΥ ΑΘΗΝΑΙΩΝ - ΑΜΑΞΟΣΤΑΣΙΟ	560,866
7	10109665502	ΔΗΜΟΤΙΚΟ ΚΟΛΥΜΒΗΤΗΡΙΟ ΚΟΛΟΚΥΝΘΟΥΣ	423,797
8	18115230505	ΚΟΛΥΜΒΗΤΗΡΙΟ ΓΟΥΔΗ	351,494
9	78755252801	ΚΟΛΥΜΒΗΤΗΡΙΟ ΓΚΡΑΒΑΣ	342,572
10	18115318106	ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΔΗΜΟΥ ΑΘΗΝΑΙΩΝ 2	265,449

ATHENS GEO PORTAL



ΚΟΙΝΩΝΙΑ

ΤΜΗΜΑ ΔΙΑΧΕΙΡΙΣΗΣ ΓΕΩΧΩΡΙΚΩΝ ΔΕΔΟΜΕΝΩΝ ΠΟΛΕΩΣ

Χάρτης Δημοτικών Κτηρίων
(ΔΗΜ.ΙΑΤΡΕΙΑ, ΛΕΣΧΕΣ ΦΙΛΙΑΣ, ΚΥΑΔΑ, ΚΕΠ, ΔΚ,ΚΛΕΙΣΤΑ ΟΠΑΝΔΑ)

Παναγιώτης Παναγιωτόπουλος 21 Jan 2022 1224 0
0 Επισκόπηση Χάρτη



ΠΕΡΙΒΑΛΛΟΝ

ΤΜΗΜΑ ΔΙΑΧΕΙΡΙΣΗΣ ΓΕΩΧΩΡΙΚΩΝ ΔΕΔΟΜΕΝΩΝ ΠΟΛΕΩΣ

Χάρτης Απόδοσης Ηλιακής Ενέργειας ανά κτίριο - "Solar Map"

Σύμφωνα με το εγκεκριμένο το 2017 Σχέδιο Δράσης για το Κλίμα, στόχος είναι η προώθηση ηλιακών φωτοβολταϊκών (PV) σε ιδιωτικά κτίρια σε όλη την Αθήνα. Ο χάρτη απόδοσης ηλιακής ενέργειας για τις στέγες των κτηρίων της Αθήνας θα αποτελούσε χρήσιμο εργαλείο για τους πολίτες, ώστε να εξετάσουν την αποδοτικότητα που θα είχε η τοποθέτηση φωτοβολταϊκών συστημάτων στις στέγες των κτηρίων τους. Μετά από αίτημα του Δήμου Αθηναίων προς το Δίκτυο C40 (<https://www.c40.org/>), παραδόθηκε η μελέτη που αφορά στη δυνατότητα εγκατάστασης φωτοβολταϊκών συστημάτων στις στέγες των κτηρίων της Αθήνας. Στο πλαίσιο αυτής της μελέτης παρήχθησαν δεδομένα σχετικά με την απόδοση ηλιακής ενέργειας κάθε στέγης. **Με κλικ στο οικοδομικό τετράγωνο που σας ενδιαφέρει θα εμφανιστούν οι τιμές.**

...

Portofolio of Municipal Buildings

The **portfolio** dataset supports large-scale building stock analysis, segmentation/baseline definition, and prioritisation of metering/PV roll-out and provides context for scaling TEF BUILD services beyond the currently instrumented buildings

Information about municipal buildings - Monitored Parameters

- Each building dataset includes building's name, category, year of construction, location and floor area
- Electricity Bill Numbers
- Portfolio of 2,400 municipal assets

Approximately: 464 municipal buildings - 2,000 public spaces

Measurement Group	Parameters
Building Name	Name of the building
Building Category	Category of the building according to its type of use
Building Location	Longitude and latitude of the building
Construction Year	Year of construction of the building
Area	Total area of the building
Address	Address of the building
Supply Number	Supply number of the building

Table 26: Information about bills - Monitored Parameters

Measurement Group	Parameters
Bill Number	Identifier of the bill



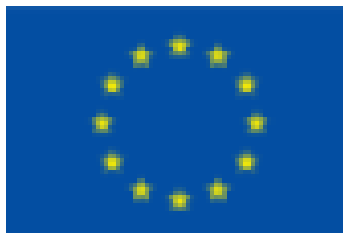
BUILDING DATASHETS

Αθλητικές Εγκαταστάσεις									
Όνομα	Διεύθυνση	Κοινότητ α	Κατηγορία	Τύπος	Έτος Κατασκευ ής	Εμβαδό	Αριθμός Παροχής		
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΕΧΕΛΙΔΩΝ	3η ΔΚ	Αθλητικές Εγκαταστάσεις	Ανοικτά Γήπεδα		-	10124499701		
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΖΑΦΕΙΡΟΠΟΥΛΟΥ & ΚΑΒΑΦΗ								
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΚΡΟΥΣΟΒΟΥ & ΟΡΜΗΝΙΟΥ	Πλατείες Πάρκα Παιδικέ...							
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΚΥΜΑΙΩΝ & ΔΗΜΟΦΩΝΤΟΣ	Όνομα	Διεύθυνση	Κοινότητ α	Κατηγορία	Τύπος	Έτος Κατασκευής	Εμ βα δό	Αριθμός Παροχής
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	Λ. ΥΜΗΤΤΟΥ & ΑΛΚΕΤΟΥ	ΠΛΑΤΕΙΑ ΣΥΝΤΑΓΜΑΤΟΣ	ΠΛΑΤΕΙΑ ΣΥΝΤΑΓΜΑΤΟΣ	1η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Πλατεία			E 18115322301
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΛΕΝΟΡΜΑΝ & ΚΑΔΜΟΥ	ΠΛΑΤΕΙΑ ΣΟΦΙΑΣ ΒΕΜΠΟ	ΡΙΑΝΚΟΥΡ Λ. & ΛΑΣΚΑΡΙΔΟΥ & ΓΕΡΟΥΛΑΝΟΥ & ΠΑΓΚΑ ΙΩΑΝ. 11	7η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Πλατεία		919	70108483901
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΜΕΓΙΣΤΗΣ (ΚΥΘΗΡΩΝ-ΑΝΑΦΗΣ)	ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ ΚΑΙ ΠΑΙΔΙΚΗ ΧΑΡΑ	ΑΣΩΜΑΤΩΝ & ΑΠΟΣΤΟΛΟΥ ΠΑΥΛΟΥ 35	3η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά		-	11150919301
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΜΗΛΕΩΝ & Λ. ΑΛΕΞΑΝΔΡΑΣ	ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ ΚΑΙ ΠΑΔΙΚΗ ΧΑΡΑ	ΒΕΙΚΟΥ & ΔΗΜΗΤΡΑΚΟΠΟΥΛΟΥ -ΠΛΑΤΕΙΑ ΚΟΥΝΤΟΥΡΙΩΤΗ	1η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά		-	60405419201
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΟΥΜΠΛΙΑΝΗΣ & ΔΙΟΧΑΡΟΥΣ	ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ ΚΑΙ ΠΑΔΙΚΗ ΧΑΡΑ	ΒΛΑΧΑΚΗ & ΚΑΡΑΘΕΟΔΩΡΗ	7η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά		-	70304898501
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΠΕΙΡΑΙΩΣ & ΕΧΕΛΙΔΩΝ	ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ ΚΑΙ ΠΑΙΔΙΚΗ ΧΑΡΑ	ΓΙΑΛΟΥΡΟΥ	6η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά		-	10120637701
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	ΠΛ. ΠΑΛΟΥΜΠΙΩΤΗ	ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ ΚΑΙ ΠΑΙΔΙΚΗ ΧΑΡΑ	Δ. ΠΛΑΚΕΝΤΙΑΣ & ΑΡΓΟΛΙΔΟΣ	7η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά		-	10123671101
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ		ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ ΚΑΙ ΠΑΙΔΙΚΗ ΧΑΡΑ	Δ. ΠΛΑΚΕΝΤΙΑΣ & ΑΡΓΟΛΙΔΟΣ	7η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά		-	10034531101
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	Στήλη 1	Κατηγορία	ΠΑΙΔΙΚΗ ΧΑΡΑ	ΔΡΑΜΑΣ εναντι 30	4η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά	-	10123500001
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	5ο ΓΥΜΝΑΣΙΟ	Σχολεία	ΠΑΙΔΙΚΗ ΧΑΡΑ	ΔΟΔΩΝΗΣ & ΙΩΑΝΝΙΝΩΝ	4η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά	-	10100121501
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	60ο ΝΗΠΙΑΓΩΓΕΙΟ	Σχολεία	ΠΑΙΔΙΚΗ ΧΑΡΑ	ΗΛΙΟΥΠΟΛΕΩΣ & ΜΕΝΕΚΡΑΤΟΥΣ	2η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά	-	60406972801
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	67ο ΔΗΜΟΤΙΚΟ	Σχολεία	ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ -ΠΑΙΔΙΚΗ ΧΑΡΑ	ΘΥΣΣΟΥ & ΧΡΙΣΤΙΑΝΟΥΠΟΛΕΩΣ	5η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά	-	70304500801
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	68ο & 88ο ΝΗΠΙΑΓΩΓΕΙΟ	Σχολεία	ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ -ΠΑΙΔΙΚΗ ΧΑΡΑ	Λ. ΡΙΑΝΚΟΥΡ 81 & ΓΕΡΟΥΛΑΝΟΥ -ΠΛΑΤΕΙΑ ΒΕΜΠΟ	7η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά	-	70330840101
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	6ο & 69ο ΝΗΠΙΑΓΩΓΕΙΟ	Σχολεία	ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ -ΠΑΙΔΙΚΗ ΧΑΡΑ	ΛΕΝΟΡΜΑΝ - ΑΛΕΞΑΝΔΡΕΙΑΣ - ΑΣΤΡΟΥΣ	4η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά	-	11165191601
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	6ο ΓΥΜΝΑΣΙΟ & 6ο ΛΥΚΕΙΟ & 3ο ΕΣΠΕΡΙΝΟ ΛΥΚΕΙΟ	Σχολεία	ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ -ΠΑΙΔΙΚΗ ΧΑΡΑ	ΛΕΝΟΡΜΑΝ - ΑΛΕΞΑΝΔΡΕΙΑΣ - ΑΣΤΡΟΥΣ 87	4η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά	-	10122872401
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	70ο & 86ο ΝΗΠΙΑΓΩΓΕΙΟ & 89ο ΔΗΜΟΤΙΚΟ	Σχολεία	ΠΑΙΔΙΚΗ ΧΑΡΑ	ΜΕΝΑΙΧΜΟΥ 1	2η ΔΚ	Πλατείες Πάρκα Παιδικές Χαρές	Παιδική χαρά	-	60033418501
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	70ο ΔΗΜΟΤΙΚΟ	Σχολεία							
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	72ο & 78ο ΝΗΠΙΑΓΩΓΕΙΟ - 92ο ΔΗΜΟΤΙΚΟ	Σχολεία	Πρωτοβάθμια	ΕΚΑΤΑΙΟΥ 80	2η ΔΚ				Πετρέλαιο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	74ο ΔΗΜΟΤΙΚΟ & 46ο ΝΗΠΙΑΓΩΓΕΙΟ	Σχολεία	Πρωτοβάθμια	ΦΛΕΣΣΑ 2	1η ΔΚ	796 m²			Φυσικό Αέριο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	75ο ΝΗΠΙΑΓΩΓΕΙΟ	Σχολεία	Πρωτοβάθμια	ΤΣΙΛΛΕΡ 23 & ΧΑΝΣΕΝ	5η ΔΚ	301 m²			Φυσικό Αέριο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	7ο ΝΗΠΙΑΓΩΓΕΙΟ & 3ο ΔΗΜΟΤΙΚΟ	Σχολεία	Πρωτοβάθμια	ΕΜΠΕΔΟΚΛΕΟΥΣ 12	2η ΔΚ	1824 m²			Φυσικό Αέριο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	83ο ΝΗΠΙΑΓΩΓΕΙΟ	Σχολεία	Πρωτοβάθμια	ΤΙΜΑΙΟΥ 5	4η ΔΚ	590 m²			Ρεύμα
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	84ο ΝΗΠΙΑΓΩΓΕΙΟ & 49ο ΔΗΜΟΤΙΚΟ	Σχολεία	Πρωτοβάθμια	ΑΓΙΩΝ ΑΣΩΜΑΤΩΝ 37	3η ΔΚ	615 m²			Φυσικό Αέριο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	85ο ΝΗΠΙΑΓΩΓΕΙΟ & 64ο ΔΗΜΟΤΙΚΟ	Σχολεία	Πρωτοβάθμια	ΜΕΓΑΛΟΥ ΑΛΕΞΑΝΔΡΟΥ 63	3η ΔΚ	1706 m²			Φυσικό Αέριο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	8ο & 67ο ΝΗΠΙΑΓΩΓΕΙΟ - 2ο ΔΗΜΟΤΙΚΟ	Σχολεία	Πρωτοβάθμια	ΔΑΜΑΡΕΩΣ 65	2η ΔΚ	1836 m²			Φυσικό Αέριο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	90ο & 123ο ΔΗΜΟΤΙΚΟ	Σχολεία	Πρωτοβάθμια	ΑΝΑΣΑΡΧΟΥ 33	2η ΔΚ	1850 m²			Φυσικό Αέριο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	91ο ΔΗΜΟΤΙΚΟ	Σχολεία	Πρωτοβάθμια	ΦΙΛΟΛΑΟΥ 163	2η ΔΚ	2480 m²			Φυσικό Αέριο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	95ο ΝΗΠΙΑΓΩΓΕΙΟ & 35ο ΔΗΜΟΤΙΚΟ & 5ο ΕΣΠΕΡΙΝΟ ΛΥΚΕΙΟ	Σχολεία	Πρωτοβάθμια	ΚΟΛΕΤΤΗ 34	1η ΔΚ	2311 m²			Φυσικό Αέριο
ΑΘΛΗΤΙΚΟ ΚΕΝΤΡΟ	9ο ΔΗΜΟΤΙΚΟ & 13ο ΝΗΠΙΑΓΩΓΕΙΟ	Σχολεία	Πρωτοβάθμια	ΜΠΙΓΛΙΣΤΑΣ 1	2η ΔΚ	1356 m²			Φυσικό Αέριο

 athensenergyportal.enertef.epu.ntua.gr

THANK YOU

*The platform is developed in the context of **EnerTEF** (this project has received funding from the European Union's Horizon Europe Research and Innovation programme under the Grant Agreement No 101172887), and **Athens Energy Portal** (this project receives funding from the ICLEI Action Fund)*



GUEST SPEAKER



Smart Technologies for Climate Resilience

Alex Koshkarov, Commercial Buildings Sales Director Europe, Somfy



Rethink our buildings: Protect → Ventilate → Insulate → Cool





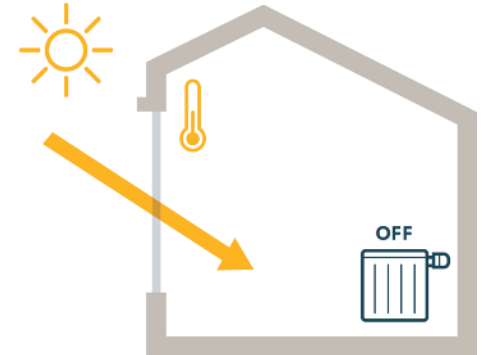
Smart shutters and blinds improve the energy performance of the building, in winter and summer



During summer

80%

Less solar heat gain thanks to external solar shading



During winter

up to 70%

less energy needed for air conditioning with automated solar shading

up to 4-7°C

cooler indoor temperatures during heatwaves with automated solar shading



A concrete example: the adaptation of 15 schools of Poissy (France)

- **5,1°C** inside equipped rooms (compared to a non-equipped classroom) – real measurement.
- **301 000 kWh/year** compared to the use of air conditioning in these 15 buildings

Annual savings of **200 000 €** (energy & maintenance) according to the City.

4 years payback (investment of 812 000 €).

GUEST SPEAKER



Efficient Heating and Cooling for Resilient Infrastructures

*Julien Pavy, Special Advisor on European Affairs & Public Affairs
France, Grundfos*



Efficient heating and cooling
for resilient buildings

GRUNDFOS 

Possibility in every drop

A world leader on pumping solutions and water



21 000
employees

88 %
Ownership by the
Poul Due Jensen
Foundation

4.7 billion
euros

Chiffre
d'affaires
en 2025

5.8 %
Revenue
reinvested

1945
When it all began

15 000 000
Units
produced
per year



«We pioneer solutions to the world's water and climate challenges and improve quality of life for people»

Poul Due Jensen
Group President & CEO

Ecological transition is at the core of our ambitions



Since 2024, Grundfos is rewarded with Ecovadis Platinum medal



Grundfos is in the **Top 1%** of the + 130 000 companies evaluated worldwide

First pump manufacturer to have an approved Net Zero Target:

By 2030

By 2050



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

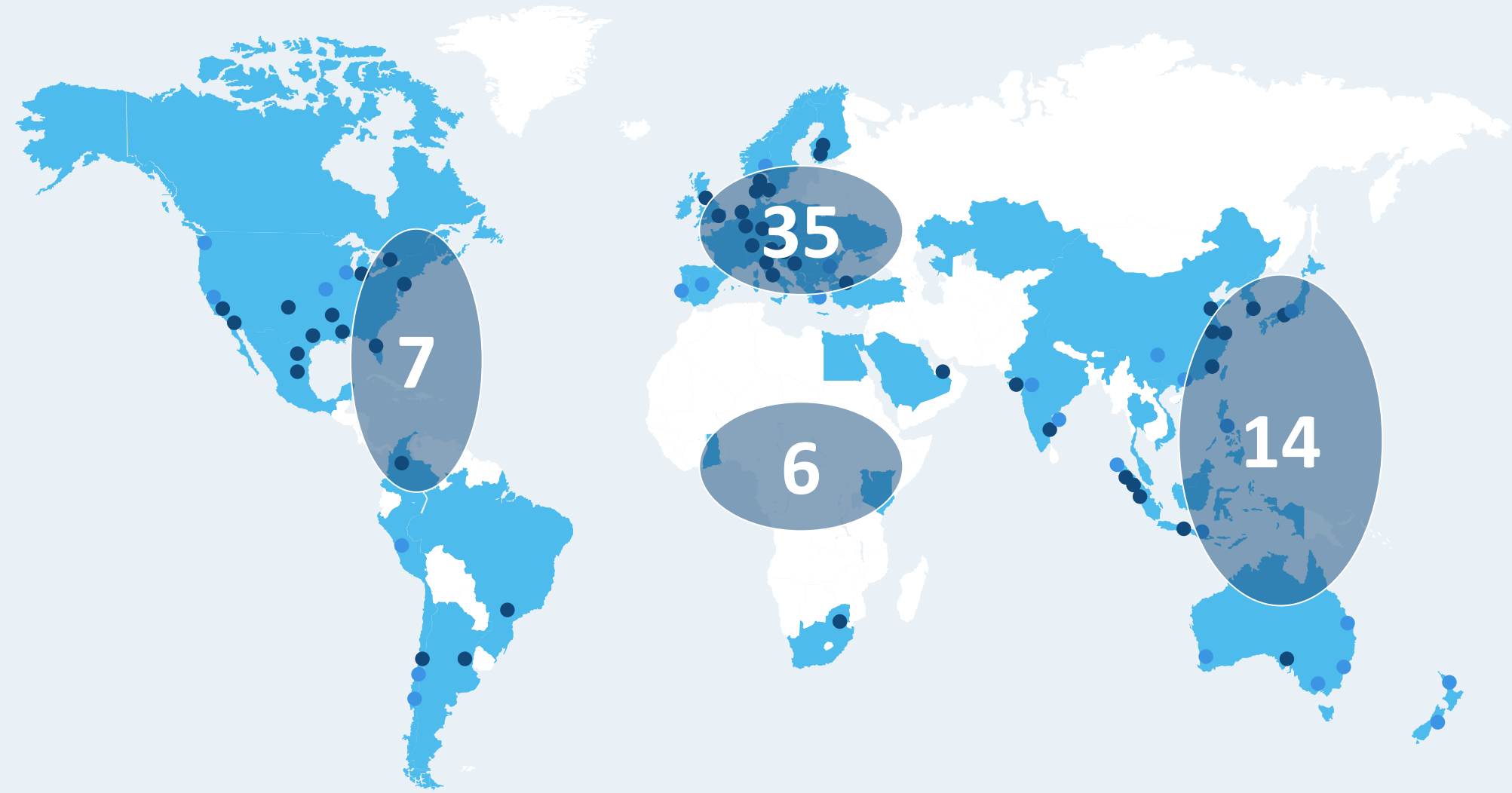
Approved science-based net-zero targets

Minus 50% CO2 emissions
on scope 1 & 2

Minus 25% for scope 3

Minus 90 % on all 3 scopes

Grundfos throughout the globe



■ Commercial entities
in 60 countries

● 49 production sites

● 27 services locations



4 divisions to meet clients specificites



***Domestic Building Services
(DBS)***



***Commercial Building
Services
(CBS)***



***Industry
(IND)***



***Water Utility
(WU)***

Grundfos pumps and solutions are present along the entire water cycle



Commercial Building Services



Commercial Buildings

Heating Ventilation, Air-Conditioning
Drinking and sanitary hot water
Désinfection de l'eau
Fire safety



Energy

District heating and cooling
Data center cooling

Domestic Building Services



Homes

Drinking and sanitary hot water
HVAC
Rainwater harvesting



HVAC - OEM

Manufacturing heat-pumps and
boilers circulator

Industry (IND)



Pumping solutions

Industrial processes
circulation
Cooling, steaming



Water Treatment

Water recycling and reuse
Treating industrial
processes specificities

Water Utilities (WU)



Local water networks

Water catchment
Drinking water facilities circulation
Wastewater circulation
Flood prevention



Agriculture and irrigation

Frost prevention
Water catchment
Watering the livestock

Lorraine's Factory France - 1975

2023 : special investment of 3 millions euros to increase production capacities

Maintenance and servicing : **2 to 3 million euros annually**

2025 total production:

- 4 million circulators integrated to heat pump and boilers
- 80 000 dosing pumps for industrial purposes
- Global exportation



 RÉPUBLIQUE FRANÇAISE



Certifications :

- ✓ ISO 9001 (quality)
- ✓ ISO 14001 (sustainability)
- ✓ ISO 45001 (safety)
- ✓ ISO 50001 (énergie)
- ✓ French Fab by Bpifrance



Energy & Pumping systems

Optimizing water circulation in buildings is a major source of energy savings:

- Energy efficient pumps
- Reducing the hot water production needs



ALPHA2 GO

HIGH-EFFICIENCY
DOMESTIC CIRCULATOR



MAGNA3

HIGH-PERFORMANCE CIRCULATOR
FOR HEATING AND AIR CONDITIONING



MIXIT

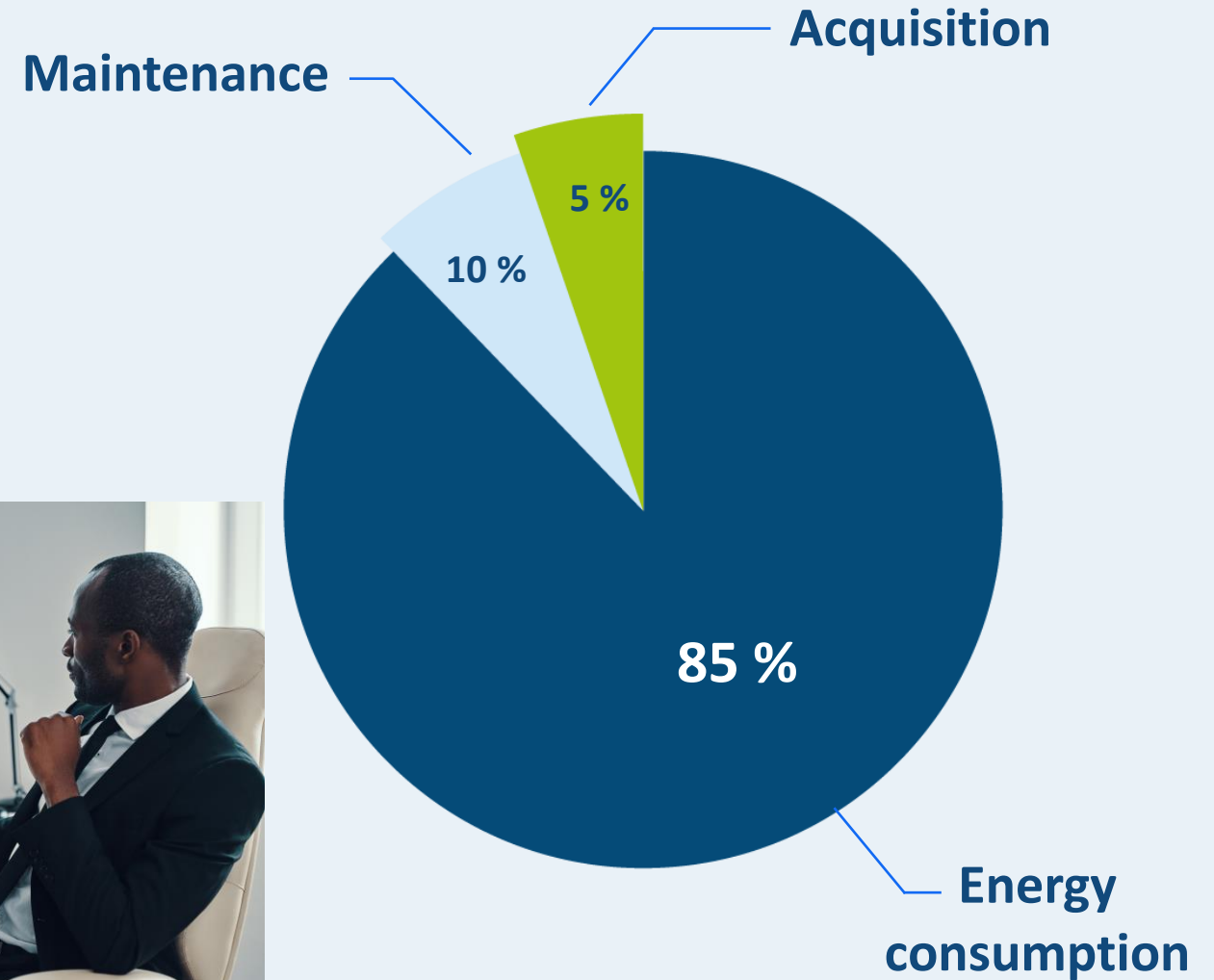
INTELLIGENT CONTROL
TWO HEATING ZONES

Pumping solutions impact



≈ **20%** of the world's electric energy consumption for water treatment and circulation

Water circulation is a major source of energy savings & it is intertwined with HVAC



Grundfos' Product Development for energy efficient solutions



100%

An **83%** reduction
in energy
consumption over
15 years

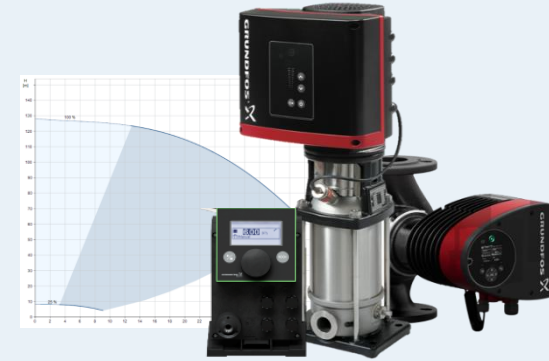
17%

1999

2014

Future perspectives

- Marginal gains on energy efficiency
- ✓ Smarter and connected products



2030

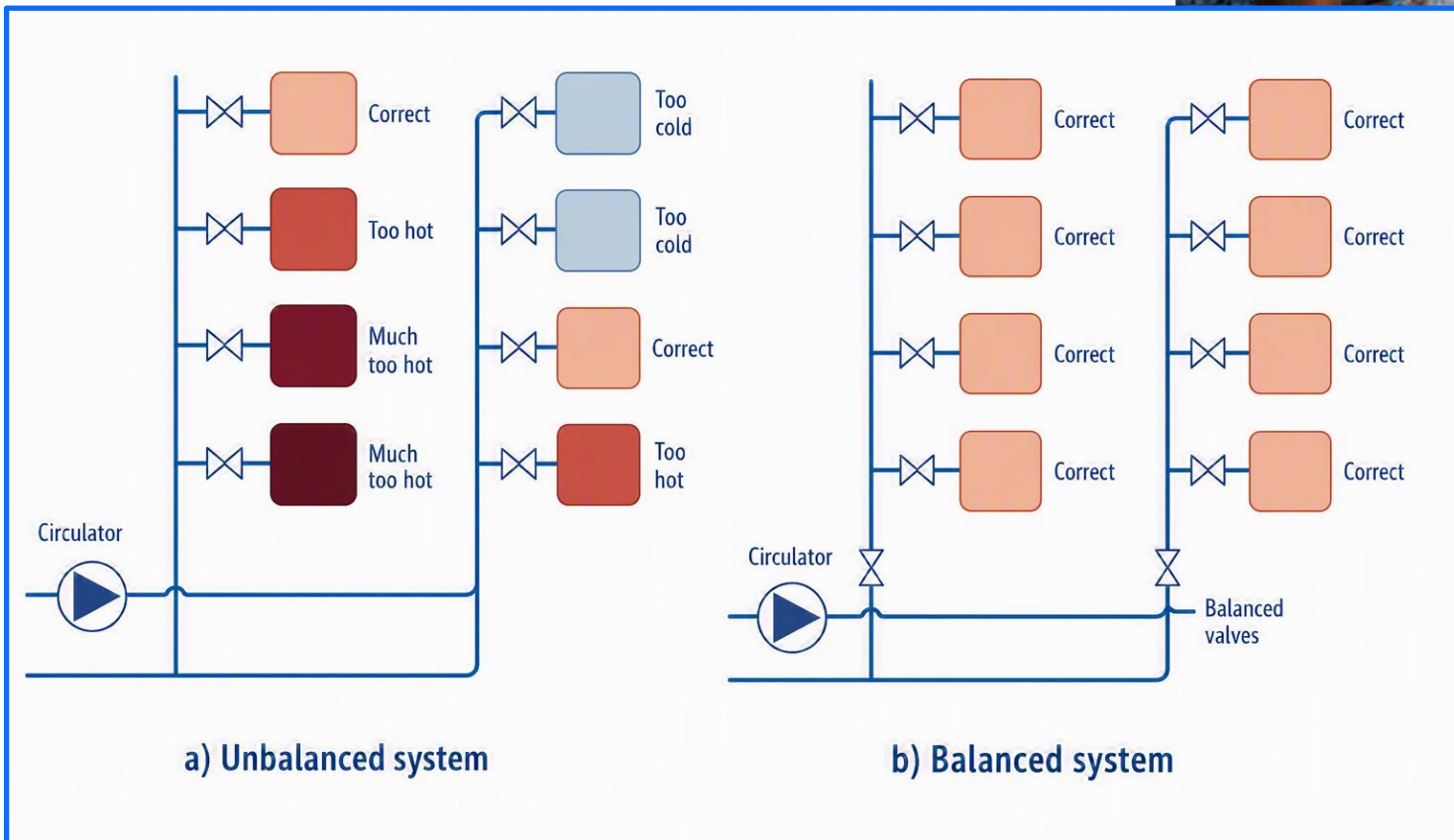
Performative hydronic heating systems

The smart circulator makes it easier to optimize **hydronic balancing** in a single-family home



The circulator as the *beating heart* of our hydronic heatings

- ❖ #1 heating system in households
- ❖ Millions of **energy-intensive circulators active 24/7**
- ❖ **Hydronic balancing** is missing



**An absolute prerequisite for
heat pumps long term
performance**

Thank you !

And this works for homes, buildings, district heating and cooling, data centers, industrial processes...

GRUNDFOS 

Possibility in every drop

GUEST SPEAKER



Climate Adaptation Through Building Solutions
Céline Carré, Head of Public Affairs, Saint-Gobain





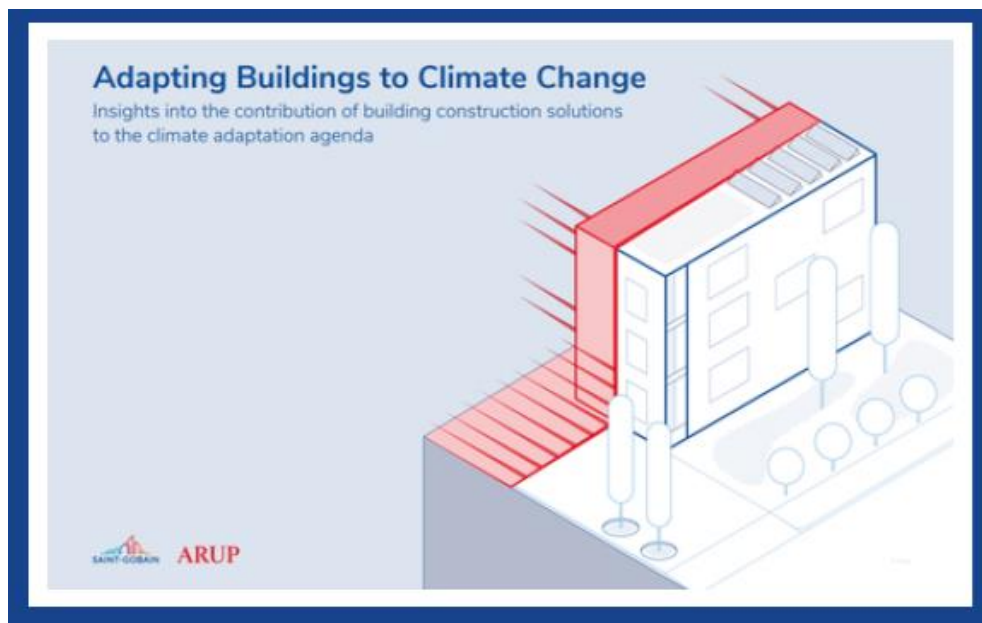
MAKING OUR BUILDINGS FIT FOR TOMORROW'S CLIMATE ... WHEN TOMORROW IS TODAY.

A SAINT-GOBAIN PERSPECTIVE

Efficient Buildings Europe Webinar
6th July 2026
Céline Carré, Head of Public Affairs



MAKING OUR BUILDINGS FIT FOR TOMORROW'S CLIMATE ... WHEN TOMORROW IS TODAY



What does it mean for building policies ?

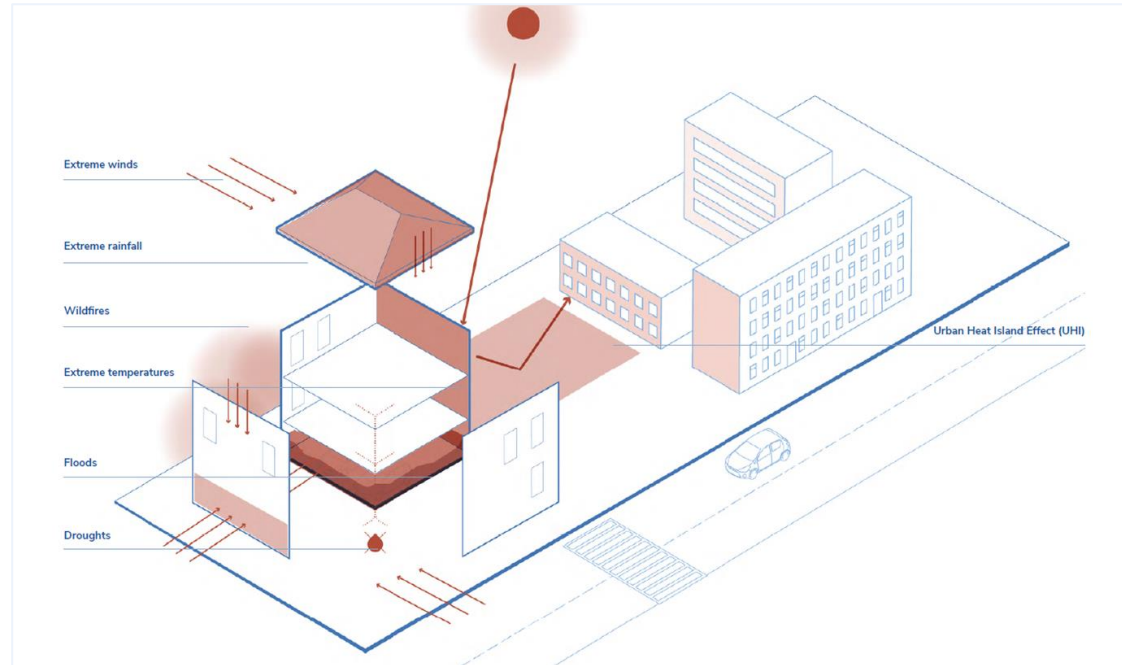
1. Securing a holistic approach
2. Getting a shared understanding of barriers
3. What priorities for EU policy making ?

- **Climate impact & buildings**
- **Designing for uncertainty**
- **Solutions for adaptation**

CLIMATE IMPACT AND BUILDINGS



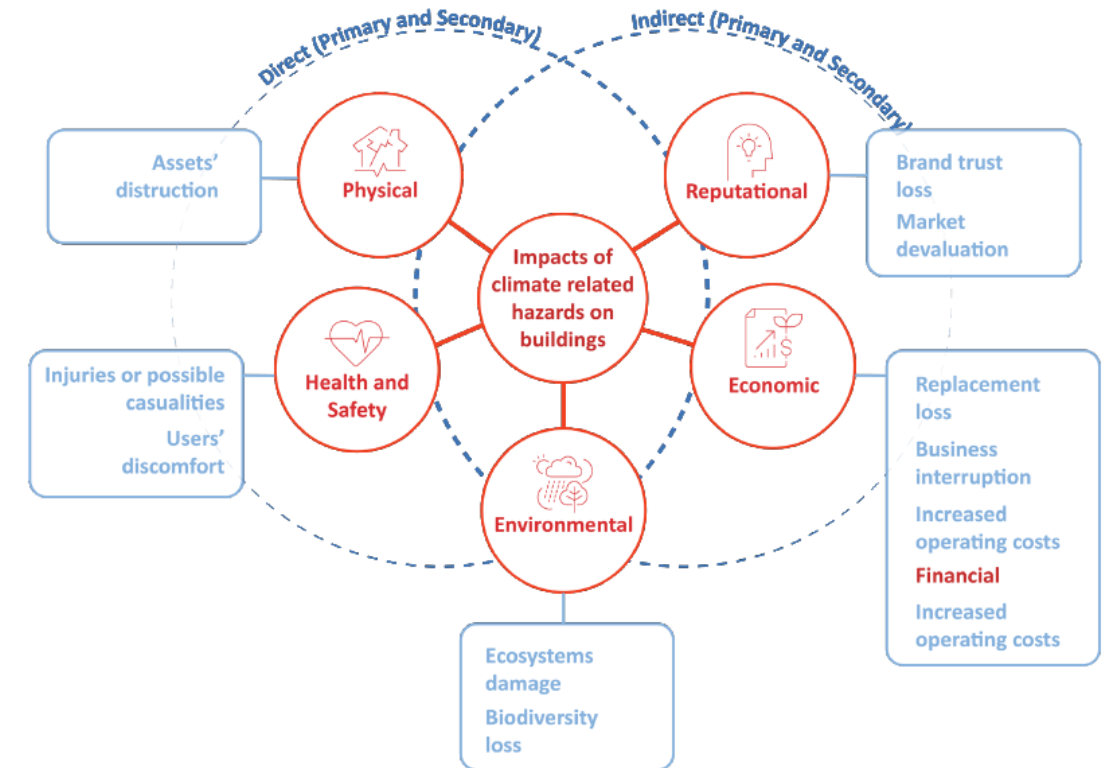
RANGE OF CHRONIC AND ACUTE HAZARDS



Dual relationship between buildings and climate conditions. Arup 2026.

- 2 types of pressures
 - Acute shocks : floods, storms, or wildfires
 - Chronic stresses : temperature, humidity / water patterns
- Climate scaling : a new reality
- Multi-hazard exposure => system design challenge
- Building and surroundings, e.g. Urban Heat Island effect

DIRECT AND INDIRECT IMPACTS



Indirect and direct impact on buildings. Arup 2026.

DESIGNING FOR UNCERTAINTY



HOW THE DESIGN PRACTICE INTEGRATES CLIMATE ADAPTATION

- **Adaptation is becoming a core design driver** alongside comfort, aesthetics and carbon reduction
- The **site and the building envelope** represent the first and most critical line of defence against climate hazards
- 3 complementary approaches to adaptation and resilience

1. Robustness

=> enables buildings to withstand climate stresses

2. Adaptiveness

=> allows buildings to respond to changing conditions

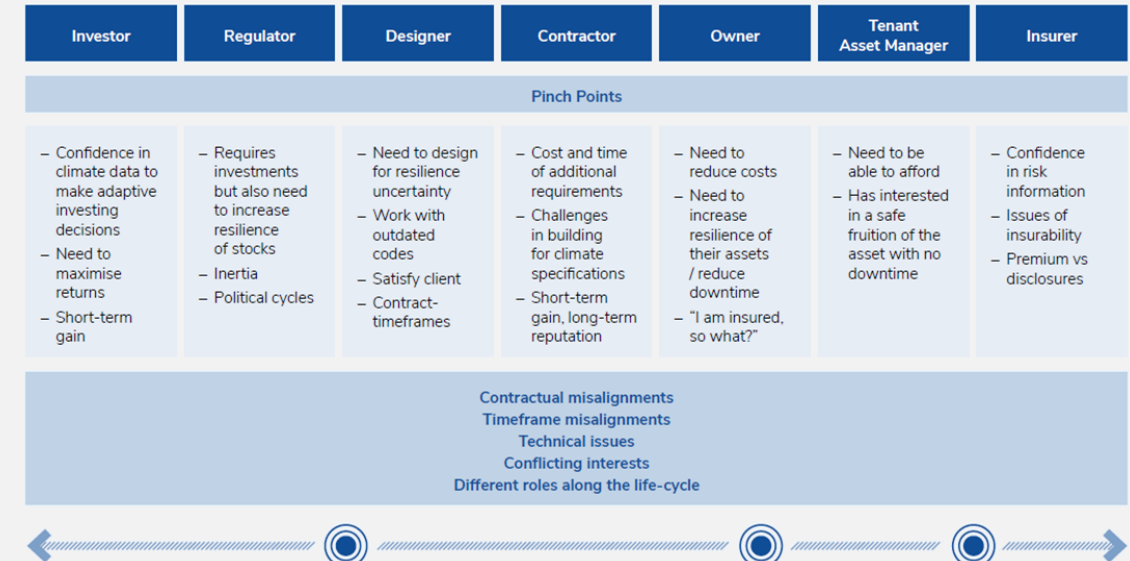
3. Flexibility

=> for systems and components to evolve over time

- **Multiple design methods**

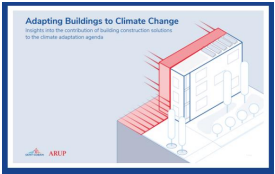
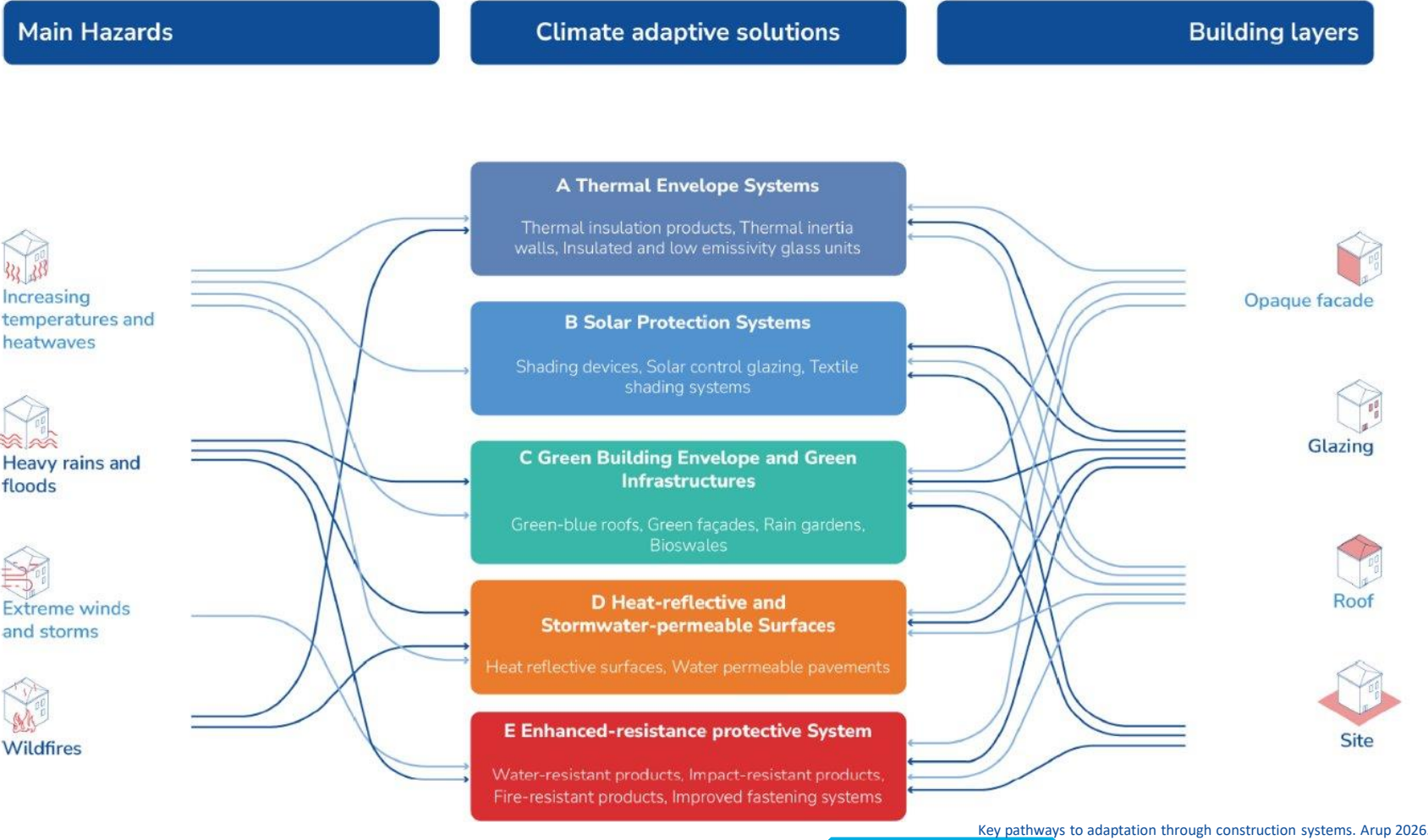
- Climate Risk Assessments (CRA)
- Architectural considerations
- Engineering considerations
- Materials, products and systems
- Solutions to reduce residual risks
- Digital tools

Value-chain collaboration: Alignment across investors, regulators, designers, contractors, owners, tenants and insurers is required for adaptation.



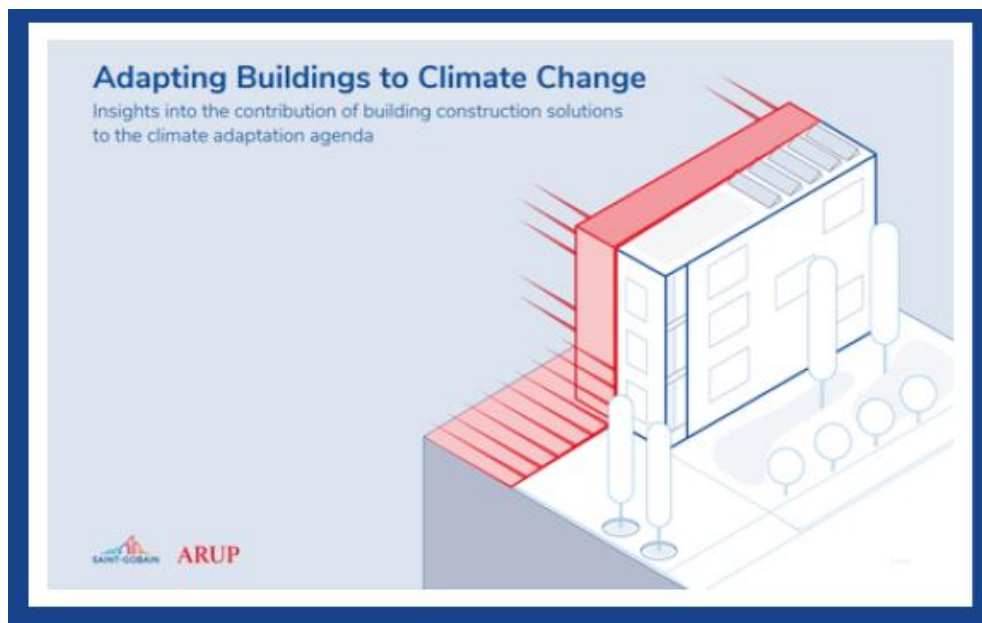
SOLUTIONS FOR ADAPTATION

5 groups of solutions applicable to building envelopes & sites



- The **building envelope** and the **site** offer the first and most effective layer of response against multiple, overlapping climate hazards.
- In these primary environmental interfaces, there is a **wide range of products and systems to be combined** to design new buildings or retrofit existing ones.
- The challenge is not the absence of technical solutions, but the **lack of conditions for their widespread deployment**

MAKING OUR BUILDINGS FIT FOR TOMORROW'S CLIMATE ... WHEN TOMORROW IS TODAY



What does it mean for building policies ?

1. Securing a holistic approach
2. Getting a shared understanding of barriers
3. What priorities for EU policy making ?

- **Climate impact & buildings**
- **Designing for uncertainty**
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1. SECURING A HOLISTIC APPROACH



What matters for climate resilient buildings The example of summer comfort

- **Summer comfort** depends on 1/ architectural choices, 2/ climate zone, 3/ building's use, and 4/ materials and construction methods
- **High-performance insulation** – to not only reduce heating requirements in winter but also keep homes cool during heatwaves
- **Solar-control glazing** – can lower the temperature inside a home by up to 6°C.
- **Equipments and systems** to maintain comfortable temperature
- **Passive envelope measures** can reduce cooling demand and help avoid over-reliance on air conditioning. This is important for comfort, energy bills, grid pressure and resilience.
- **Holistic approach to renovation** : a high-quality building envelope, insulation, solar-control glazing - poss. paired with shading systems, and sensible ventilation and air-conditioning during heatwaves

Each solution reduces thermal discomfort, but it is their combination that makes the difference

2. GETTING A SHARED UNDERSTANDING OF BARRIERS



What prevents scaling up adaptation solutions in buildings ?



Panel debate 7th May 2026, Brussels – Building Resilience : a Policy Dialogue on Adapting Buildings to Climate Change

1. **Fragmented adaptation planning** : Divergent climate scenarios, risk assessment methods and planning horizons create inconsistent resilience requirements, reducing preparedness and increasing uncertainty across the EU.
2. **Construction approaches and regulations are not yet climate-ready** : Many building codes still rely on historical climate data
3. **Data, tools and capacity gaps hinder implementation**. Limited access to actionable climate data, decision-support tools and technical expertise constrains adaptation efforts, particularly at local level.
4. **Market incentives fail to reward resilience**. Adaptation investments triggering upfront costs need to be factored in (financial, insurance and valuation systems)
5. **Social inequalities may undermine equitable adaptation**. Vulnerable households face greater climate exposure but often lack the financial resources, information and support needed to improve resilience.

3. WHAT PRIORITIES FOR EU POLICY MAKING ?



Key EU priorities to scale up solutions for buildings adaptation :

- 1. Establish a common EU climate adaptation framework.**
Adopt harmonised climate reference scenarios and a common building risk assessment methodology to ensure consistent preparedness and investment decisions across Europe.
- 2. Modernise building regulations and renovation policies.**
Update codes using future climate projections and integrate resilience alongside energy efficiency and decarbonisation objectives throughout the building lifecycle.
=> Avoid trade-offs betw. short term and long term, betw. Objectives, etc...
- 3. Make climate resilience a standard market requirement.**
Build on the EU Taxonomy and certification schemes to embed climate risk assessment and resilience criteria into mandatory regulations.
- 4. Use public procurement and EU funding to drive adoption.**
Require climate-resilience criteria in publicly funded projects and prioritise funding for vulnerable buildings, including social housing renovations.
- 5. Align finance, insurance and social support with resilience goals.**
Provide targeted financial incentives, integrate resilience into valuations and lending, and reward risk-reducing measures through insurance mechanisms.



To explore further insights, please check our 7th May event report [here](#)

THANK YOU !

“Architecture should speak of its time and place, but yearn for timelessness.” Frank Gerhy (1929 - 2025)

Q&A Session



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