

**DR FRANÇOIS PAYCHÈRE**

## **EURORAI-MEETING IN GRAZ**

**CLIMAT WARMING AND PUBLIC POLIICIES : A PLAYING FIELD FOR AUDITORS ?**



Time, May 1, 2024

How a Group of Elderly Swiss Women Charted a New Path for Climate Legislation

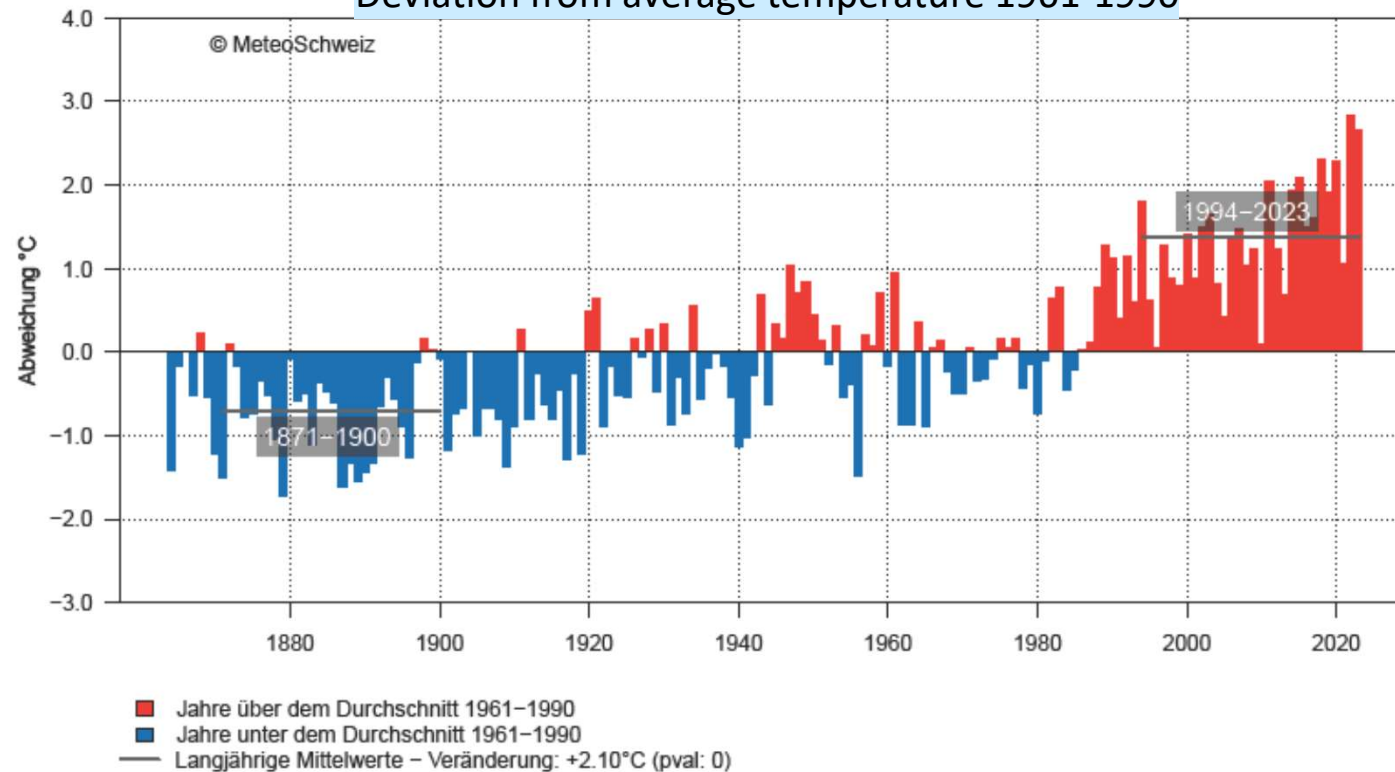


BBC, 9 April 2024

European court rules human rights violated by climate inaction



Average annual temperature 1864-2023 :  
Deviation from average temperature 1961-1990

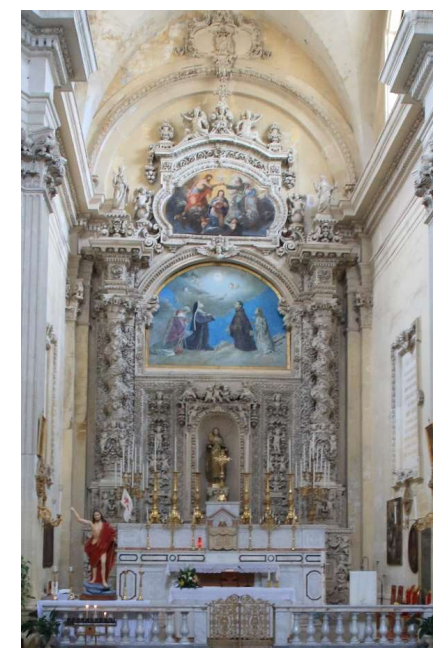


# INTRODUCTION



Cartographie des jumeaux climatiques de Genève, Scénario RCP8.5, Guillaume Rohat, UNIGE, 2019.

Climate twins : Geneva – Lecce ?





### Planification

The **Cantonal Climate Plan** aims to achieve carbon neutrality by 2050, with a 60% reduction in greenhouse gases by 2030 compared with 1990 levels.

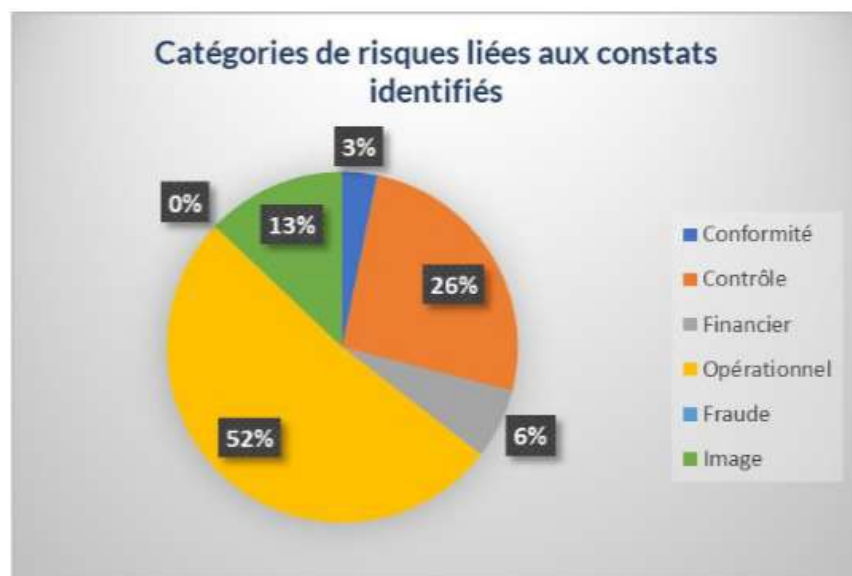
The 2030 **Energy Master Plan** reinforces the canton's commitment to the energy transition, with the aim of achieving a 2,000-watt society without nuclear power by 2050.

In other words, the aim is to be virtually carbon neutral by that date.



# IS THE STATE AN EXAMPLE ?

## Management audit of the energy transition applied to the buildings of the State of Geneva



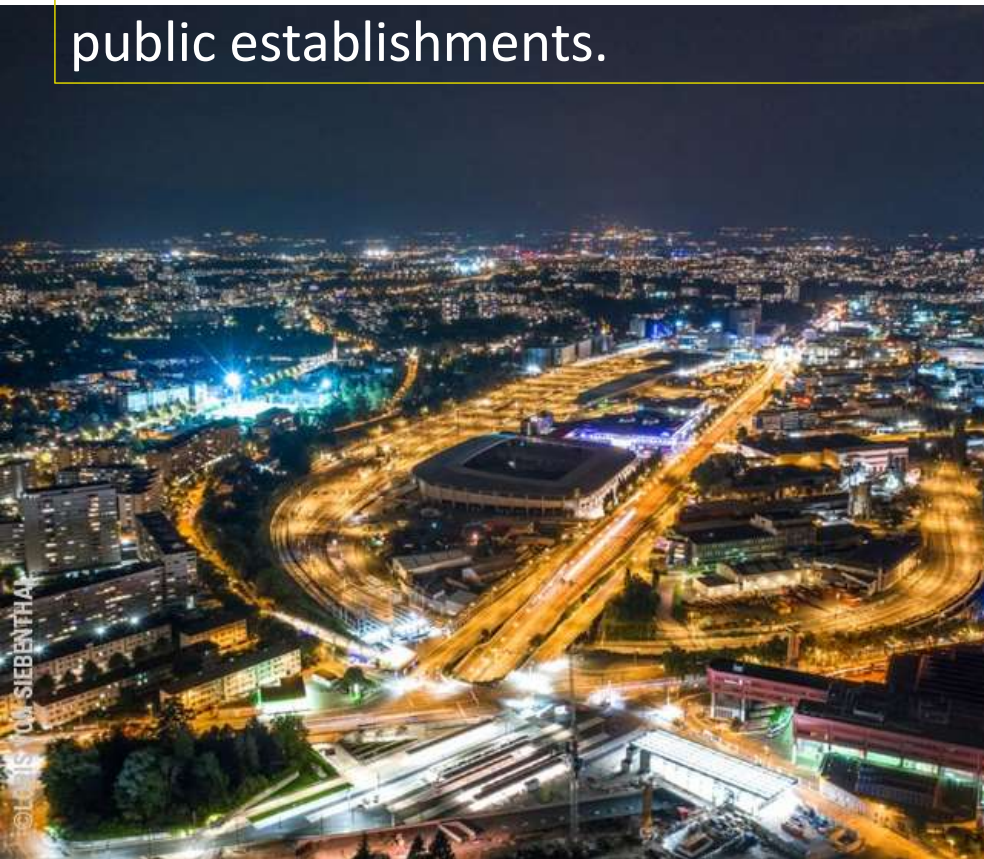
**No 169** Energy transition applied to the buildings of the State of Geneva (Office cantonal des bâtiments)

Numéro	Libellé	Priorité	Responsable	Date échéance	Statut
169-R1	Implementing a project management methodology	Très élevée	DG	31.12.2022 31.12.2023 report 31.10.2024	Ouvert
169-R2	Provide resources for checking checking and updating the database quickly	Très élevée	DG	31.12.2022	Fermé
169-R3	Establish the planning of works to 2030 and determine the impact on the 2030 objectives	Très élevée	DG	31.12.2023 report 30.06.2024	Ouvert
169-R4	Revoir l'organisation interne de l'OCBA	Élevée	DG	31.12.2022 31.12.2023 report 31.10.2024	Ouvert
169-R5	Suivre les facteurs de risques externes qui pourraient affecter l'atteinte des objectifs 2030	Élevée	DG	31.12.2022 31.12.2023 report 31.10.2024	Ouvert
169-R6	Mettre à jour la stratégie énergétique et les documents qui en découlent	Élevée	DIE	31.12.2022	Fermé
169-R7	Uniformiser les données sur les bâtiments et les maintenir à jour	Élevée	SPR	31.12.2024	Ouvert
169-R8	Revoir le périmètre considéré dans le BEBE	Moyenne			Refusé
169-R9	Revoir la pertinence et les modalités de calculs des indicateurs	Moyenne	DIE	30.06.2023 report 30.06.2024	Ouvert
169-R10	Renforcer le processus d'élaboration du BEBE	Moyenne	DIE	30.06.2023 30.06.2024 report 30.04.2025	Ouvert
169-R11	Publier une synthèse de la performance énergétique	Moyenne	DIE	31.08.2023	Fermé



# WHAT ABOUT THE AUTONOMOUS PUBLIC ESTABLISHMENTS ?

Performance audit of the energy transition applied to the buildings of public establishments.



Rapports d'audits

26.05.2023

N° 179 – Audit de performance relatif à la transition énergétique appliquée aux bâtiments des établissements publics autonomes



# WHAT ABOUT THE AUTONOMOUS PUBLIC ESTABLISHMENTS ?

## Autonomous public establishments





# WHAT ABOUT THE AUTONOMOUS PUBLIC ESTABLISHMENTS ?

## Designing a maturity index

They say that golf is a sport played against yourself.  
It's not a competition against others.  
When it comes to the energy transition, the challenge is the same: how can we measure the progress made by each autonomous public institution, not in terms of competition, which would make no sense, but in terms of its own path towards the energy transition?



### ISSAI 3000 and ISO 50001 Energy management

We have adopted the following standards

ISSAI 3000, 18 : "Performance audit aims to contribute to improved economy, efficiency and effectiveness in the public sector. It also aims to contribute to good governance, accountability and transparency. Performance audit aims to provide new information, analysis or insights and, and, where appropriate, recommendations for improvement".

*And*

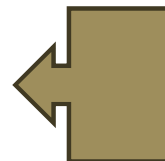
ISO 50001 : "*Energy management systems – Requirements with guidance for use*". This standard is close to the topic of energy and is recognised by many stakeholders, such as some autonomous public institutions and also by the university for postgraduate training.



## TWO STANDARDS

Criteria	Description/challenged elements
<b>Governance</b>	
Energy policy or strategy	Existence of a formal document declaring the EPA's intentions with regard to ET
Identifying roles and responsibilities	Clear definition of who does what, ideally in an ad hoc, cross-functional document
Involvement and oversight of governance bodies	Governance bodies approve the energy strategy and provide for monitoring activities
<b>Monitoring and compliance</b>	
Taking account of cantonal energy policy objectives	Existence of an analysis establishing the level of compliance and definition of actions to improve it (exemplarity principle)
ET risk management	Must cover internal and external risks
<b>Resources and support</b>	
Identifying resource and skills requirements	Must involve human, financial and material resources and cover the achievement of all objectives
Communication and awareness-raising	Internal/external communication. Raising staff awareness.
Processes and procedures	Formalisation of key ET processes (e.g. consumption monitoring)
Data and vision of the park	Quality of data and ability to collect/use it

<b>Implementation</b>	
Definition of objectives, indicators and target values	Existence of coherent, sufficiently precise objectives associated with a target value and an indicator
Planning work/actions	Existence of a document demonstrating the work/actions that will be carried out between now and 2030, or even 2050, the estimated energy savings, and the link with the objectives.
<b>Performance measurement</b>	
Reporting and monitoring	Regular measurement and analysis of indicators Transmission of results to governance bodies



We have drawn on five criteria: governance, monitoring and compliance, resources and support, implementation and performance measurement.



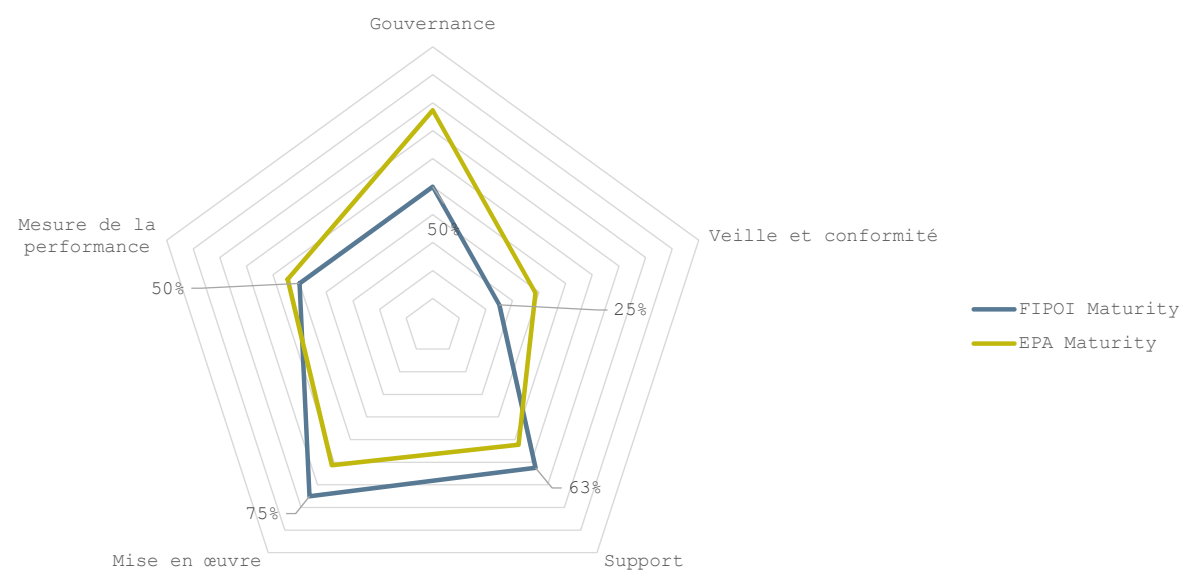
Each of these five criteria corresponds to elements that we challenged the autonomous public establishments by means of questionnaires and interviews. Once this stage had been completed, we were able to score the criteria on a scale from 0 to 2. Here is an example of the planning of the institution responsible for public transport in the canton of Geneva:

Planning	<u>Definition of objectives, indicators and target values</u>	<u>Definition of objectives, indicators and target values</u>
		<p>0: No energy transition (ET) objectives have been formalised internally and no indicators or target values have been defined</p> <p>1: Objectives are being developed or objectives have been formalised but no indicators and/or target values have been defined</p> <p>2: ET objectives, indicators and corresponding target values have been defined</p>

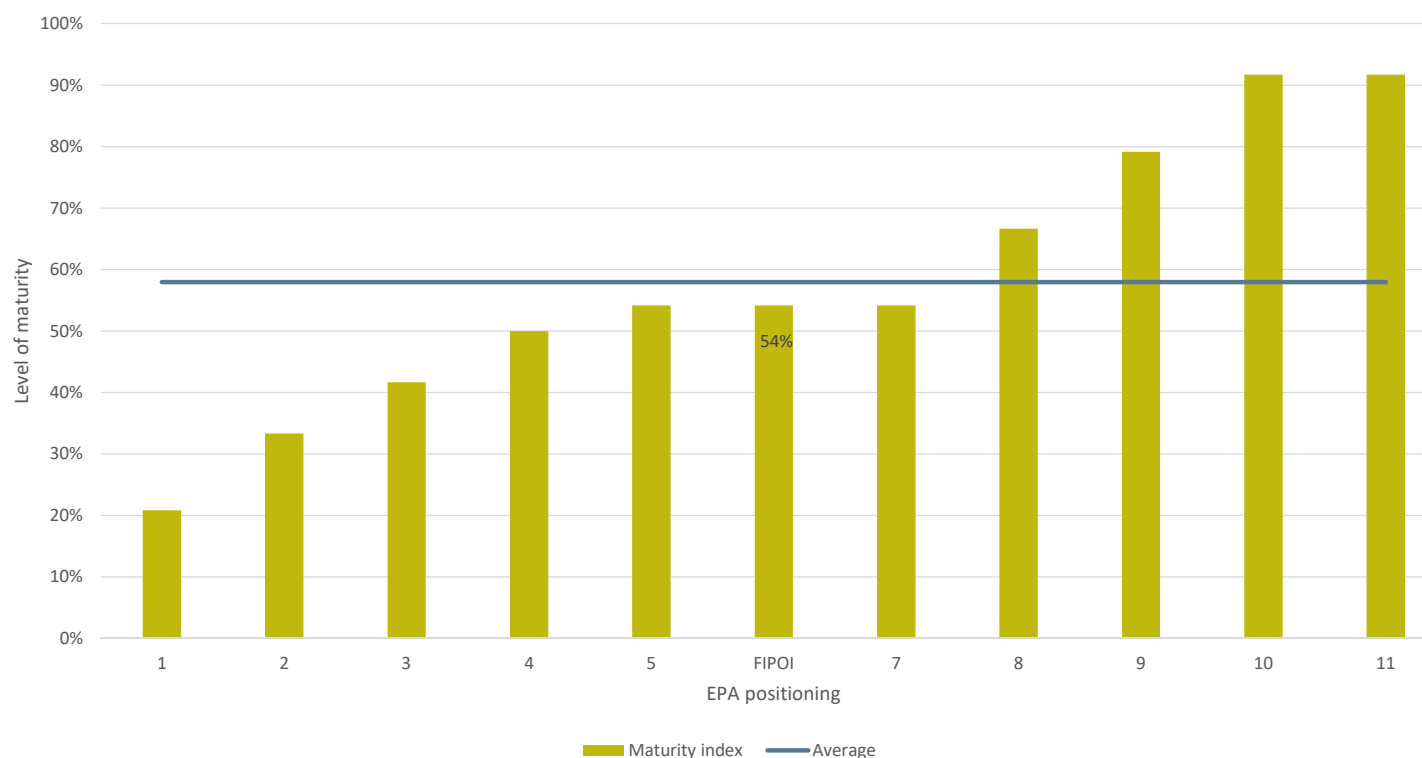




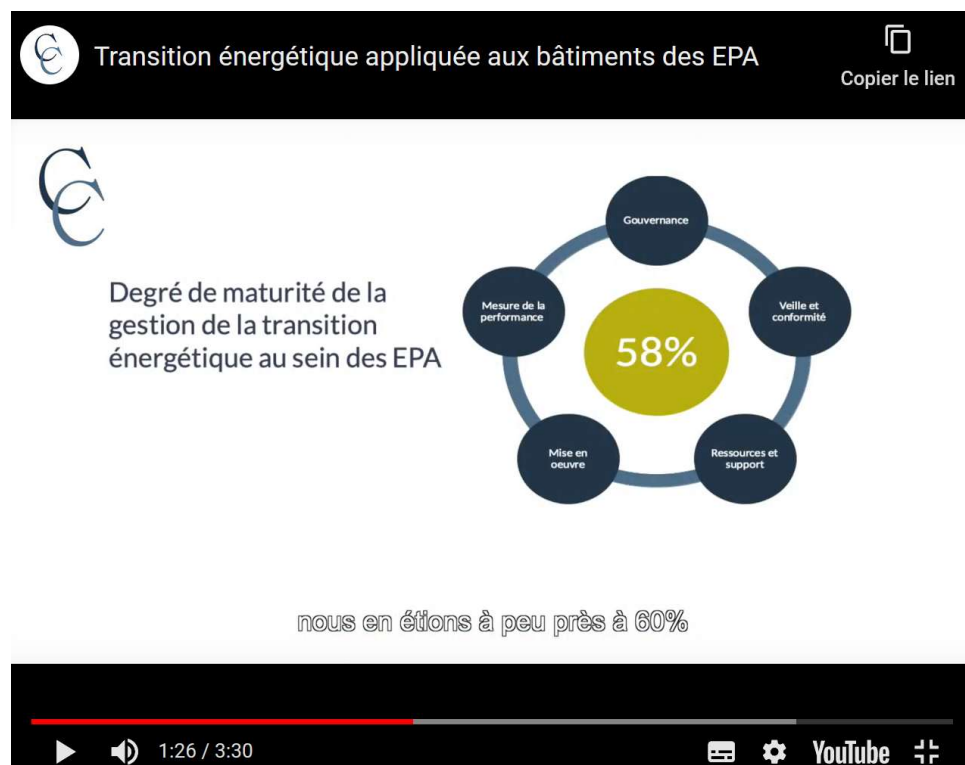
This analysis made it possible to draw up a profile of each autonomous public establishment in the form of a diagram representing the maturity index of the establishment concerned:



This information was only shared with the autonomous public establishments in the form of a detailed sheet for each establishment and individual interviews for those entities that had requested them. We wanted to avoid creating public competition between the establishments, even though their activities are very different.



During the public presentation of the report, the Cour des Comptes confined itself to an overall assessment, based on average values, by adding up the results of each establishment.



<https://cdc-ge.ch/publications/n-179-audit-de-performance-relatif-a-la-transition-energetique-appliquee-aux-batiments-des-etablissements-publics-autonomes/>

I will end my presentation by pointing out that the Court's eight recommendations are addressed to the administrative authorities responsible for this public policy. They must monitor and coordinate the efforts of the autonomous public establishments to reduce and then totally eliminate the production of greenhouse gases.





## CONCLUSION



Simplon pass  
11. April 2024



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