

# Own Your SECAP



## Climate budget

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EUROVERTICE



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# Climate budget session

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- Definitions
- What is climate budget mainstreaming ?
- Testing various methods
- Conclusions



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# Numerous concepts

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Evaluation

Climate action plan

Assessment

Climate assessment

SECAP **Climate budget mainstreaming**

*Baseline emission inventory*

**Mitigation**

Carbon budget

Adaptation

Transport

**Green budget**

**GHG assessment**

**Waste**

**Water**

**Biodiversity**

**Pollution**

**Climate budget**

Energy poverty



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# Mainstreaming climate budgets



## Definition

**Governance system** that considers financial commitments for territorial action within the climate action plan (e.g. SECAP).

1. Green public procurement
2. Divesting municipal funds from fossil
3. Financing climate actions
4. Environmental reporting and budgeting



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# Green public procurement

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1

- Green purchasing
  - Food, Goods, Energy, ...
  - Services
  - Works

2

- Group purchasing

3

- Life Cycle Analysis : impacts from cradle to grave (e.g. SimaPro)

4

- Total Cost of Ownership : CAPEX + OPEX

➔ Needs training and follow-up



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# Divesting from fossil fuels



1 Divesting – the contrary to investing !

2

- Switching e.g. fuels (to bio-fuels)
- Affiliated third parties, contracts – ESG criteria (companies, utilities)
- Switching to green banks – green loans
- Pension funds without fossil components

3

4



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# Financial instruments for LAs

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	Financial source	Meaning
1	Own budget	Local taxpayers' money, waste management fees, ...
2	White certificates	Money from the government based on future savings
3	Green bonds	Issued by (large) cities
	Subsidies	State, Regional governments, Energy agencies etc.
	Grants	Cohesion funds, e.g. ERDF - FEDER - easiest, HE, LIFE, CIVITAS, ... ELENA (IEB)
4	Loans (green / soft loans)	EIB or other virtuous banks / loans based on future savings
	3rd party financing PPP	On-bill financing, ESCOs (e.g. public lighting, building refurbishment ...) BOT - Build-Operate-Transfer, BOO Build-Operate-Own
	Crowdfunding	Citizen buy shares of a local cooperative company (e.g. Lorient Energy)

Resources : [https://eu-mayors.ec.europa.eu/en/resources/funding\\_guide](https://eu-mayors.ec.europa.eu/en/resources/funding_guide)  
<https://www.ownyoursecap.eu/resources/>

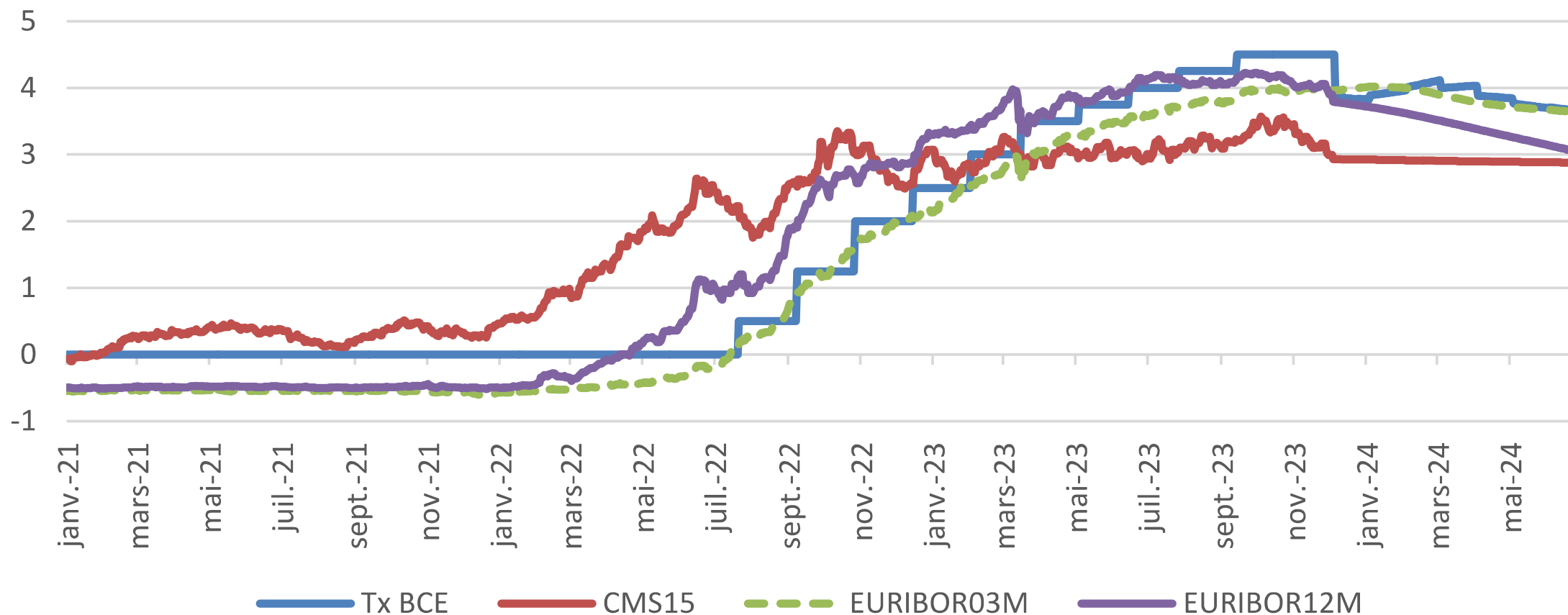


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# Interest rates



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# Main evaluation systems

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1

2

3

4

Concept	Meaning	Impact	Indicators
Carbon budget	CO2 yearly allocation (e.g. City of Oslo, Greater London)	GHG only	Yearly emissions Trajectory vs. target
Green budget	Identification of the expenditures of an LA budget that are deemed environmentally friendly FR : a yearly « green budget » is compulsory	Climate budget : GHG and adaptation	% of coloured budget lines % of expenditures
Climate budget	Overall expenditure for a climate action including third parties and actions on the territory	According to chosen parameters	Effectiveness Efficacy Efficiency
SDG assessment	Expanding assessment to SDG goals	According to SDG goals	EUR / SDG goal
Doughnut	Policy assessment : above social foundation and under ecological ceiling	11 SDG goals	Environmental and social



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# Carbon budget

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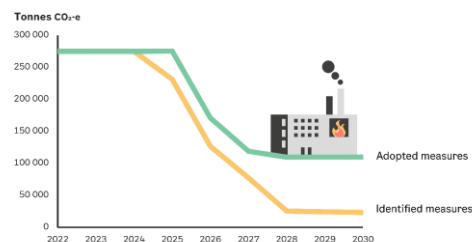
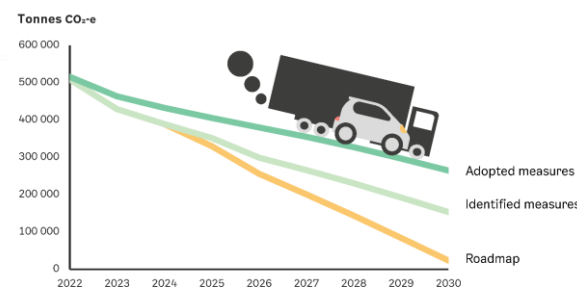
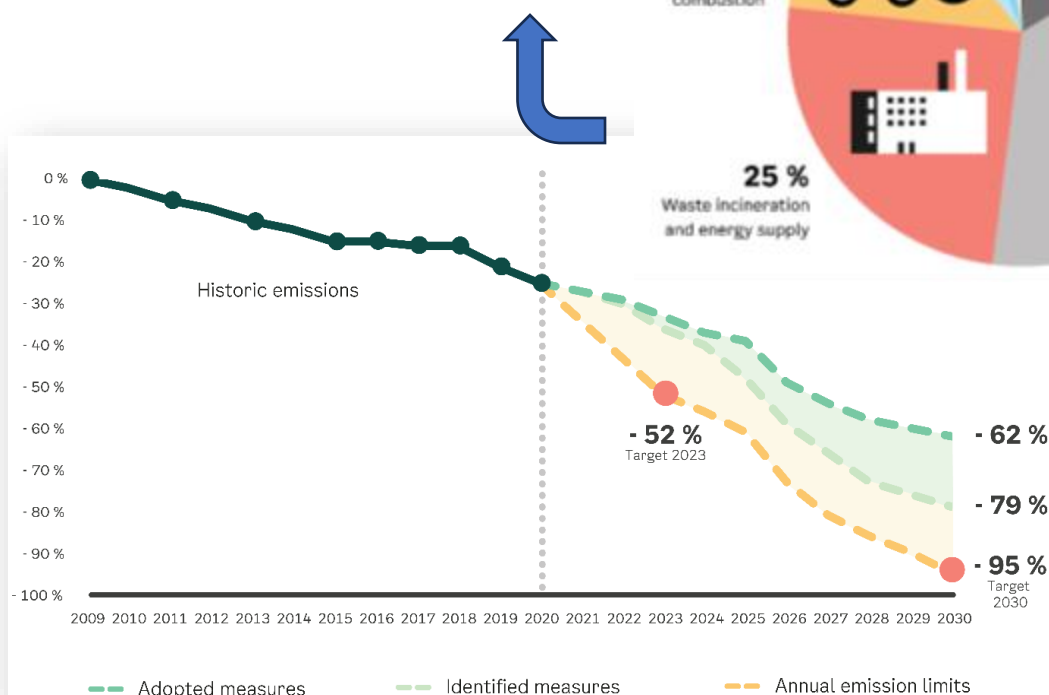
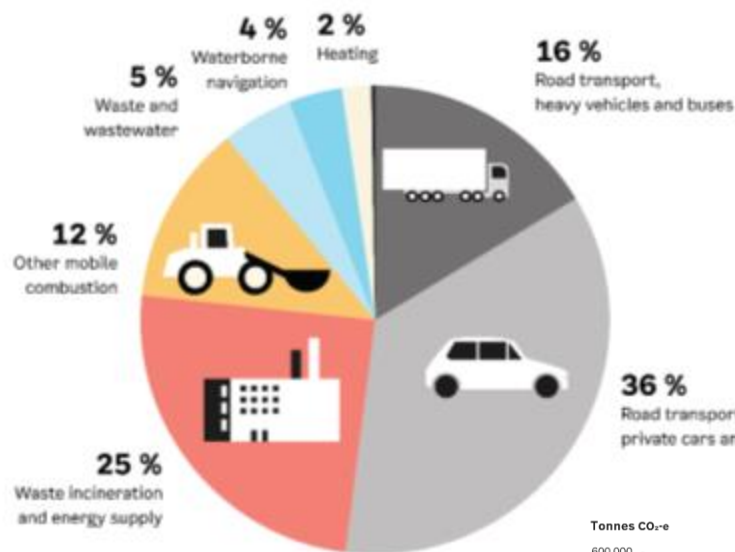


Figure 5: Roadmap for Waste incineration and energy supply, 2022-2030



OSLO : 1.2 MtCO<sub>2</sub>

A unique analysis

Sectoral trajectories

Yearly CO<sub>2</sub> allowance

Budgets (NOK)

Ex-post assessment



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# Green budget tagging

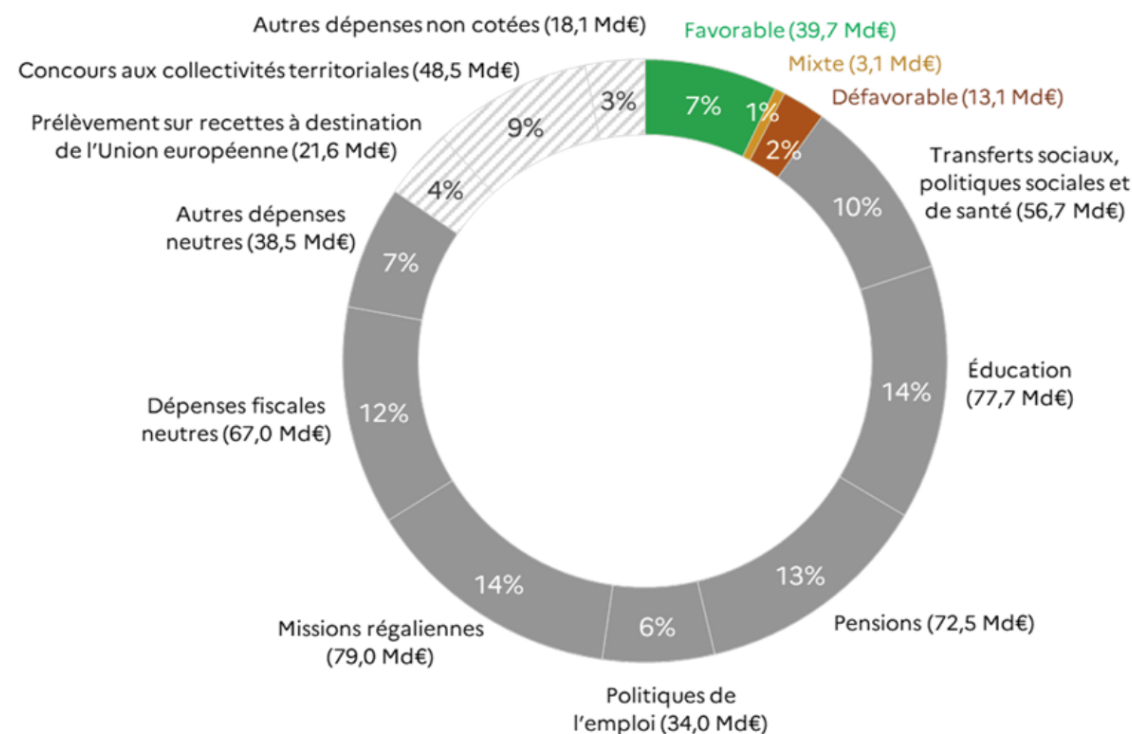
Own Your SECAP



Based on EU taxonomy in 6 areas :

- Climate change mitigation
- Adaptation & preventing natural risks
- Water
- Circular economy, waste
- Fighting Pollution
- Biodiversity

FR budget 2024 : EUR 569,7 Bn



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# Budget tagging (criteria)

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Analyse budget lines and tag according to criteria  
Used by Climate KIC, I4CE

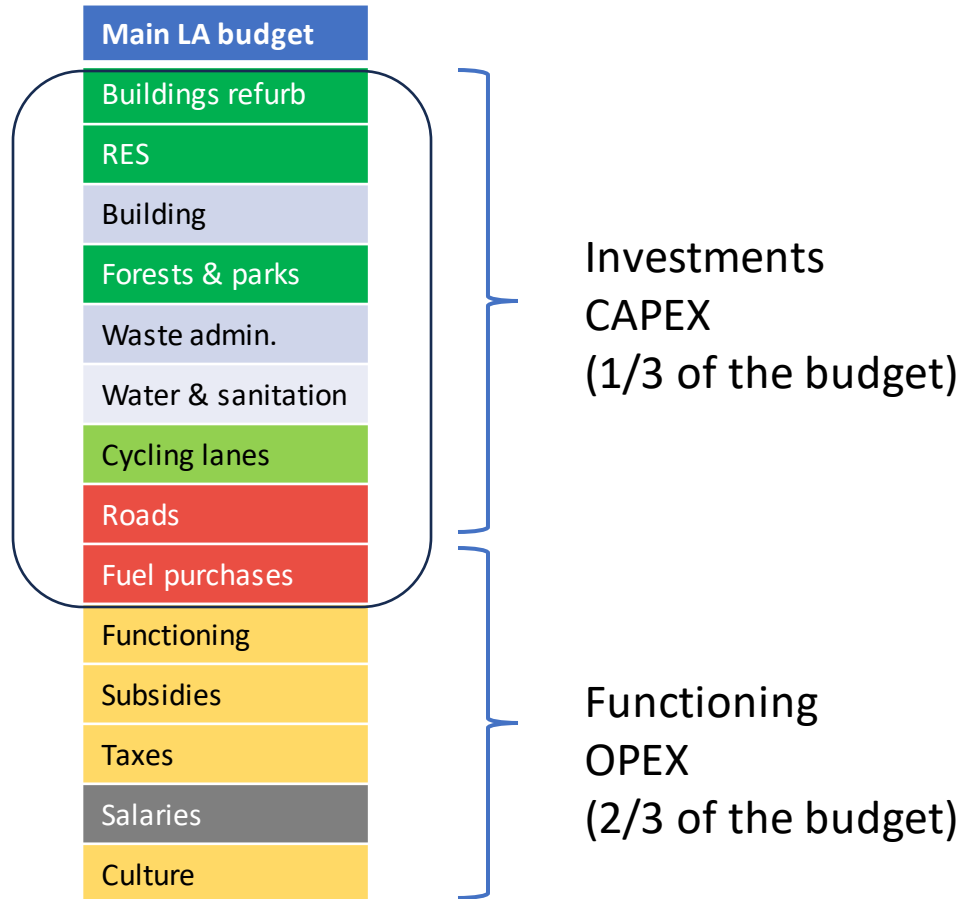
Very favourable	Mitigation : EE, REs, green mobility, public transport, re-naturation, Recycling, NZEB
Favourable	EVs, fuel shift, green IT, Waste-to-power
Neutral	Waste management
Unfavourable	Thermal cars, fuel, roads, landfilling, Artificialisation, de-forestation
Undefined	IT, loans, ...
Salaries	



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# Main budget climate tagging



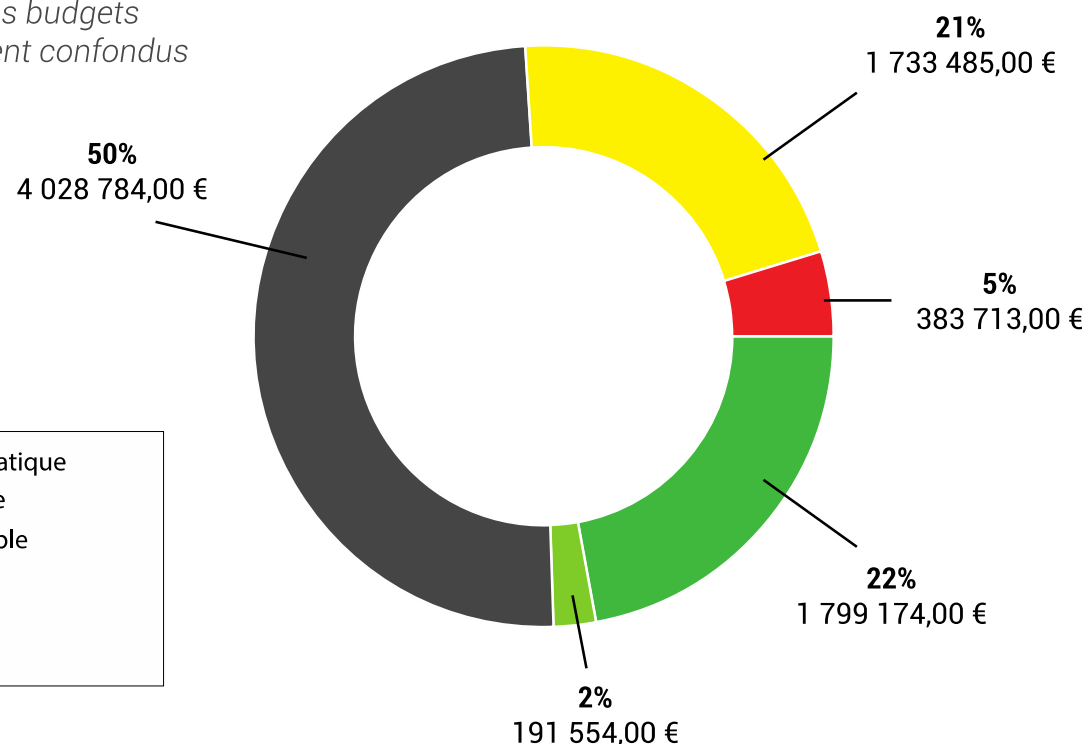
- Most LAs start by analysing investments
- Main budgets usually do not include utilities and associated expenditures
- Focused on LA/municipal budgets only
- Extension to functioning later

# Green budget examples

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Répartition tous budgets  
d'investissement confondus



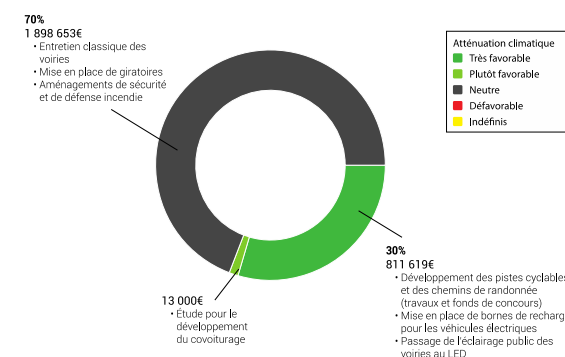
Atténuation climatique

- Très favorable
- Plutôt favorable
- Neutre
- Défavorable
- Indéfinis

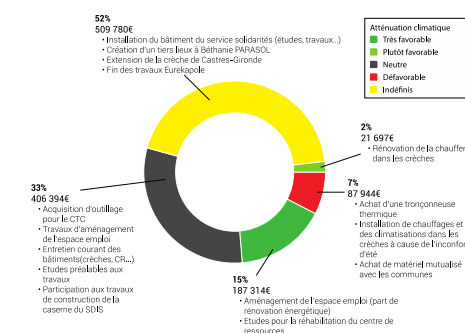
CC Montesquieu (EUR 8M)

Investment only  
Broken down per activity

Roadworks



Buildings & green spaces



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# Green budget Lille Met. EUR 1.5bn

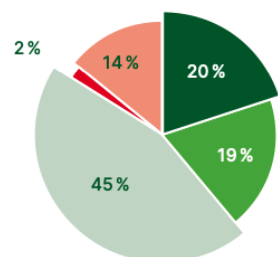
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## 01 - INVESTISSEMENT

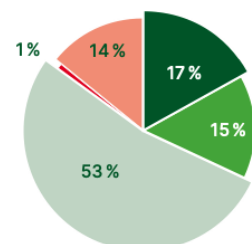
Périmètre d'analyse : 504 M€ en 2022

ATTÉNUATION  
du changement climatique



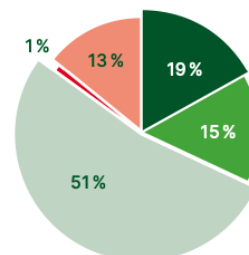
199 M€  
(très) favorables à l'atténuation

ADAPTATION  
au changement climatique



160,6 M€  
(très) favorables à l'adaptation

QUALITÉ  
de l'air

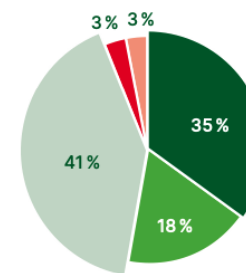


171,8 M€  
(très) favorables à la qualité

## 02 - FONCTIONNEMENT CA 2022

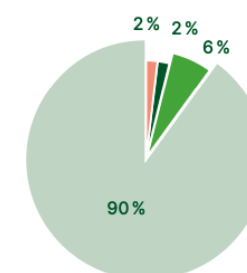
Périmètre d'analyse : 964 M€ en 2022

ATTÉNUATION  
du changement climatique



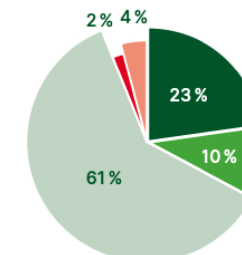
507,3 M€  
(très) favorables à l'atténuation

ADAPTATION  
au changement climatique



76,7 M€  
(très) favorables à l'adaptation

QUALITÉ  
de l'air



319,6 M€  
(très) favorables à la qualité



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# Extended budget climate tagging

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Main LA budget	Annex LA budget
Buildings refurb	LA assets
RES	Investment inn EE
Building	
Forests & parks	Municipal spaces
Waste admin.	Waste collection
Water & sanitation	Utility investments
Cycling lanes	Construction
Roads	Construction
Fuel purchases	
Functioning	
Subsidies	
Taxes	
Salaries	
Culture	

- Adding associated (annex) budgets
- A larger view of climate budgets
- LA perimeter only
- Yearly snapshots



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# Complete climate budget analysis

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Main LA budget	Annex LA budget	External / 3rd party budgets
Buildings refurb	LA assets	Building energy refurb. activity on the territory
RES	Investment inn EE	ESCOs, Utilities, Crowdfunding
Building		Building activity on the territory
Forests & parks	Municipal spaces	Forestry on the territory
Waste admin.	Waste collection	Waste treatment
Water & sanitation	Utility investments	PPPs, BOT
Cycling lanes	Construction	
Roads	Construction	
Fuel purchases		
Functioning		
Subsidies		
Taxes		
Salaries		
Culture		

Based on SECAP

Analysis :

- Effectiveness
- Efficacy : does the action lead to achieve the goals
- Efficiency : best value for money

Possible indicators :

EUR / MWh reduced

EUR / MWh generated

EUR / t CO2 reduced



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# SDG assessment (for info)

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## Method 1

EUR / SDG

## Method 2

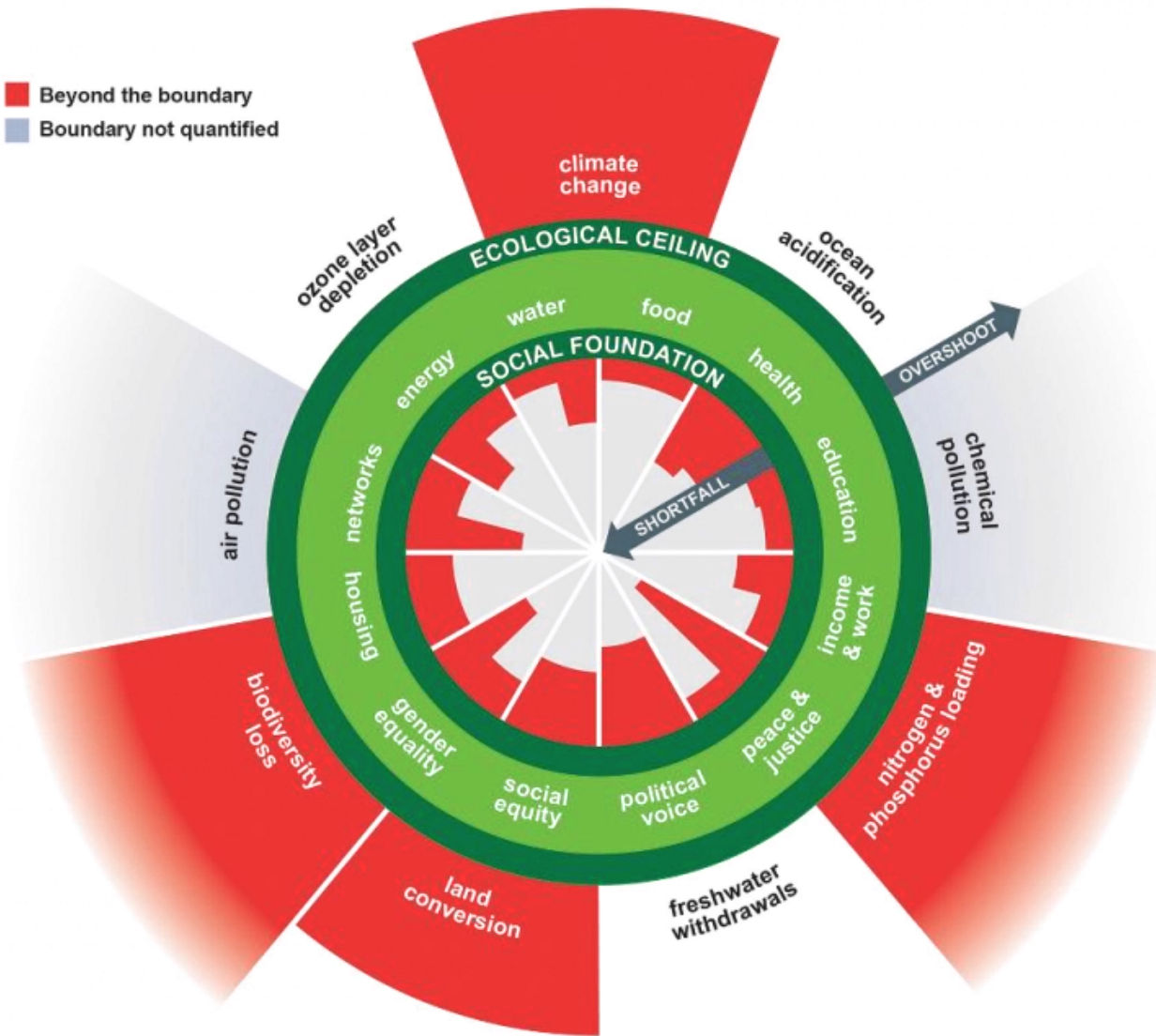
LA division budget EUR  
Reaches which SDG



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# Doughnut theory (Kate Raworth)



- Development : above social foundation and under ecological ceiling
- 3 criteria :
  - Thriving (prosperous)
  - Resilience
  - Well-being
- Amsterdam, Brussels, Grenoble  
Portland, Philadelphia,

	Social	Ecological
Local		
Global		

# Climate-mainstreaming Activity : Testing various methods

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# Climate-mainstreaming Activity : Testing various methods



- 6 groups – 6 themes : public transport, municipal buildings, public infrastructure, Residential Buildings, Nature-based solutions and Renewable Energy production.
- 5 mn : select one action
- 10 mn : identify your **financial source**
- 10 mn : choose your **evaluation method** (carbon budget, green budget...)
- 20 mn : role-playing games (energy manager, financial officer, member of the opposition, other...)
- 15 mn : exchange of views on the key elements emerging from the activity
- 30 mn : presentation of the key points raised by each group (5 mn/ group)



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# Climate-mainstreaming Activity : Testing various methods 1

OwN YOur SECAP



- 6 groups – 6 themes : public transport, municipal buildings, public infrastructure, Residential Buildings, Nature-based solutions and Renewable Energy production.
- 5 mn : select one action



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# Climate-mainstreaming Activity : Testing various methods 2

Own Your SECAP



- 15 mn : identify your **financial source**  
choose your **evaluation method**  
(carbon budget, green budget...)



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# Climate-mainstreaming Activity : Testing various methods 3

OwN YOur SECAP



- 25 mn : role-playing games (energy manager, financial officer, member of the opposition, other...)
- 15 mn : exchange of views on the key elements emerging from the activity



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# Climate-mainstreaming Activity : Testing various methods 4

OwN YOur SECAP



presentation of the key points raised by each  
group (5 mn/ group)



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