
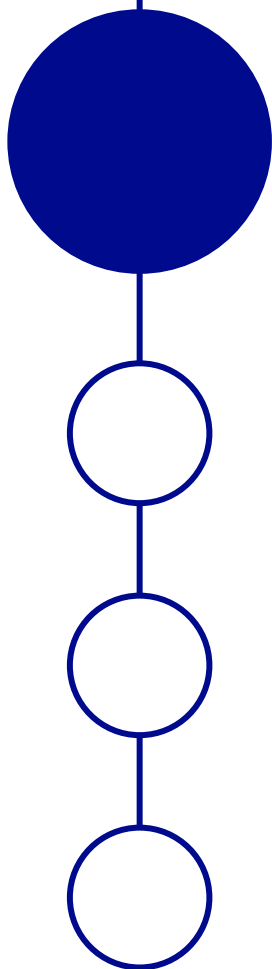


Stratégies pour maîtriser l'empreinte carbone de la filière automobile

The logo features the text 'CLUB AUTO' in white, with 'CLUB' in a thin, spaced-out font and 'AUTO' in a bold, sans-serif font. Below this, the word 'by' is enclosed in a small teal circle, followed by 'Fiev' in a white sans-serif font. The entire logo is set against a large, stylized teal 'C' shape that is part of the background design.

CLUB
AUTO
by Fiev

Mercredi 22 mai 2024



AU PROGRAMME

8h30 | Ouverture du Club Auto de la FIEV

Claude Cham, Président de la FIEV

8h35 | Présentation du contexte réglementaire de l'empreinte carbone et stratégies des constructeurs dans leurs consultations

- Sophie Richet, Responsable LCA & Ecodesign de Stellantis
- Emmanuelle Kobialka, Expert eco-conception et ACV de Renault

9h05 – 9h55 | Table-Ronde

La filière automobile se mobilise face aux nouveaux défis de l'empreinte carbone

- Andreas Chochod, Purchasing & Supply Chain Development Director de SNECI
- Pierre Mulin, Group Sustainability Manager de Valeo
- David Pantale, Carbon Reduction JEO Project Manager de JTEKT
- Thierry Parayre, Opérations Industrielles et techniques de la FIEV
- Adele Verrat, Innovation & sustainability sourcing Manager de Saint Gobain Sekurit

9h55 | Clôture du Club Auto de la FIEV

Stanislas Bailly, CEO de SNECI / membre du comité directeur de la FIEV

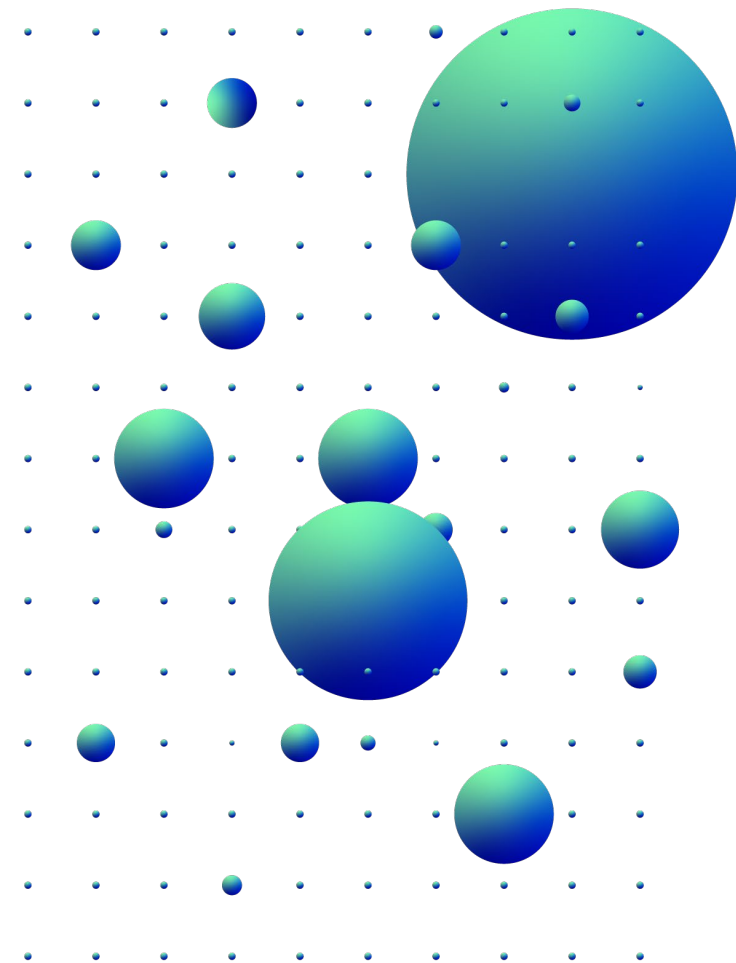
Ouverture



Claude CHAM
Président de la FIEV

Intervention de Renault et Stellantis :

Présentation du contexte
réglementaire et stratégies
des constructeurs
dans leurs consultations





Sophie RICHET

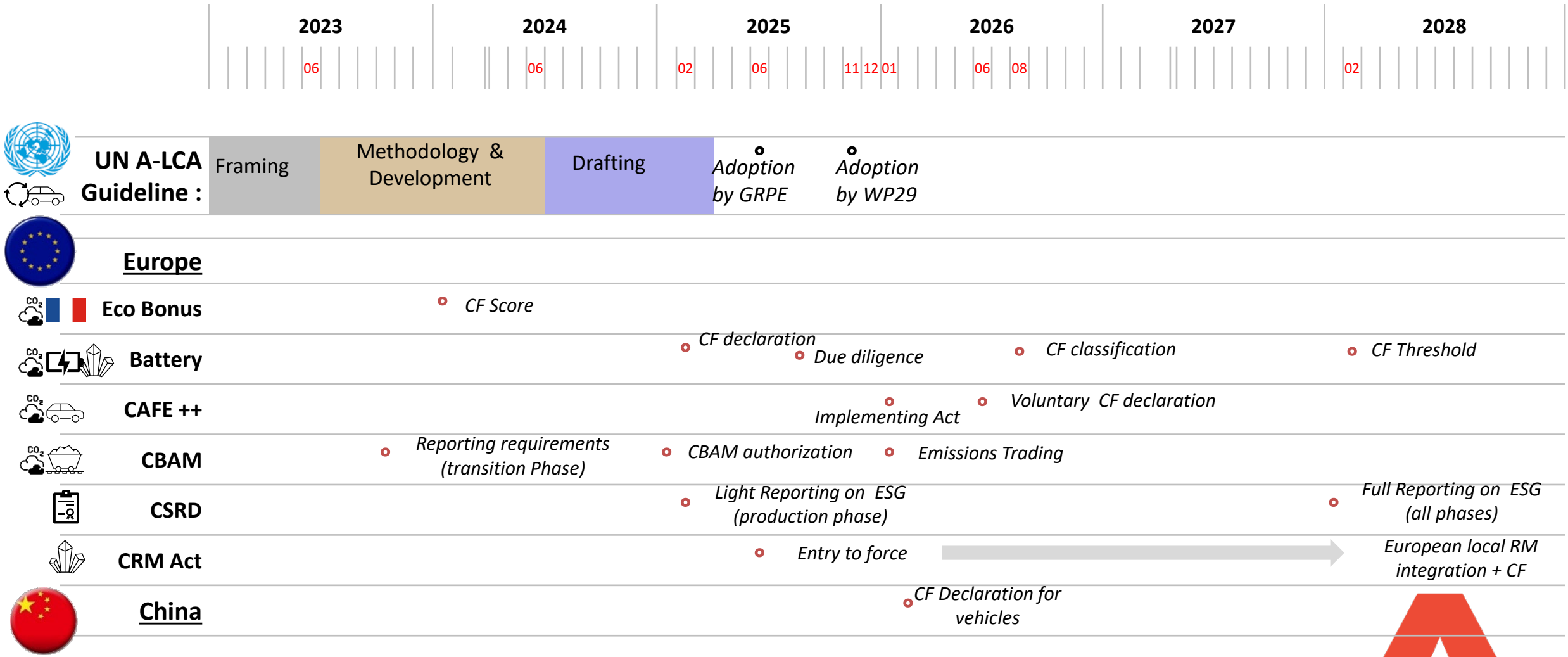
Responsable LCA & Ecodesign
Stellantis

Emmanuelle KOBIALKA

Expert eco-conception et ACV
Renault Group

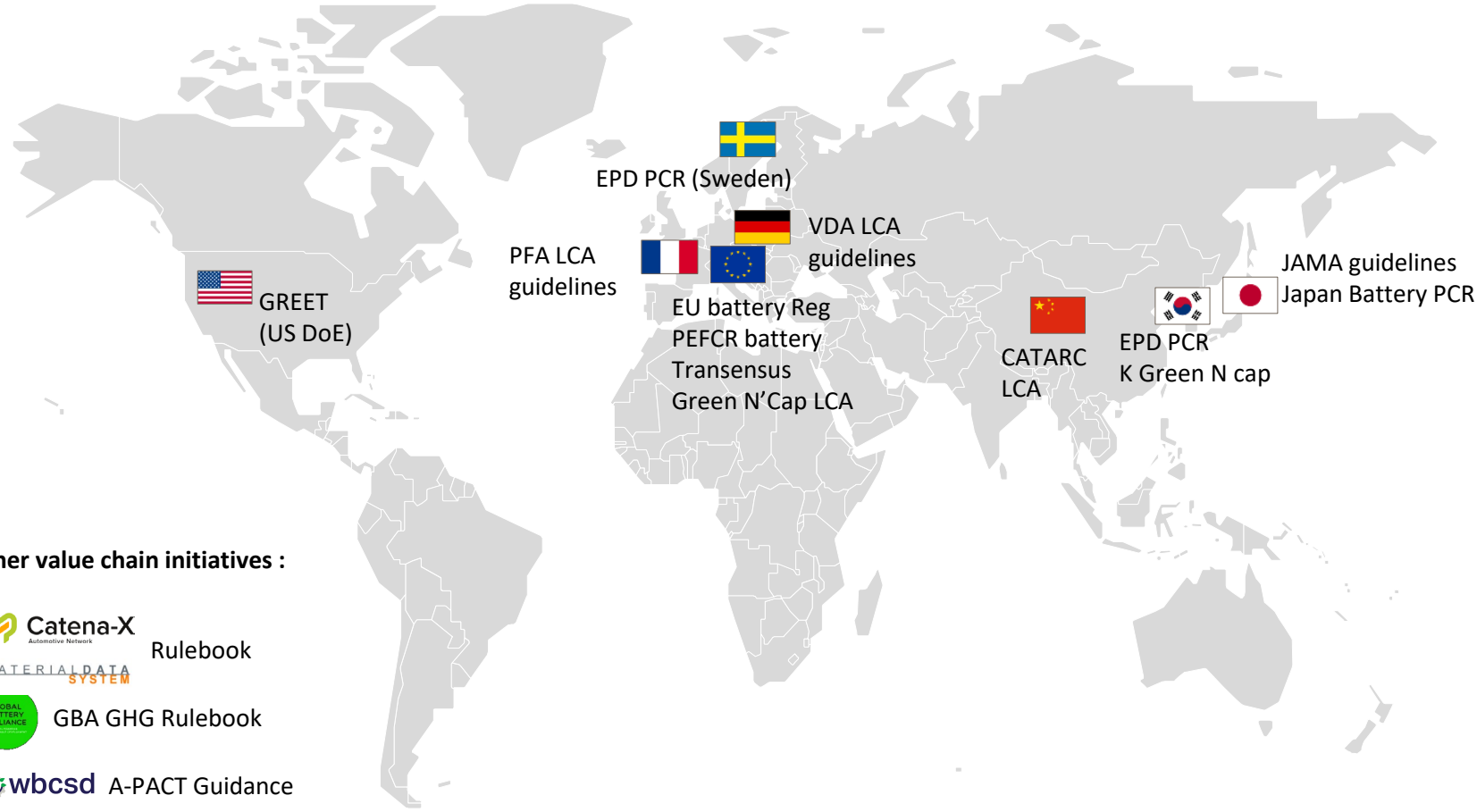
REGULATORY CONTEXT on Carbon Footprint :

Scenario for Carbon Footprint Regulation and other Life Cycle Assessment Regulation :



- Carbon Footprint calculation is now part of the regulations in EU and other regions

Worldwide vehicle LCA/Carbon Footprint initiatives



Other value chain initiatives :

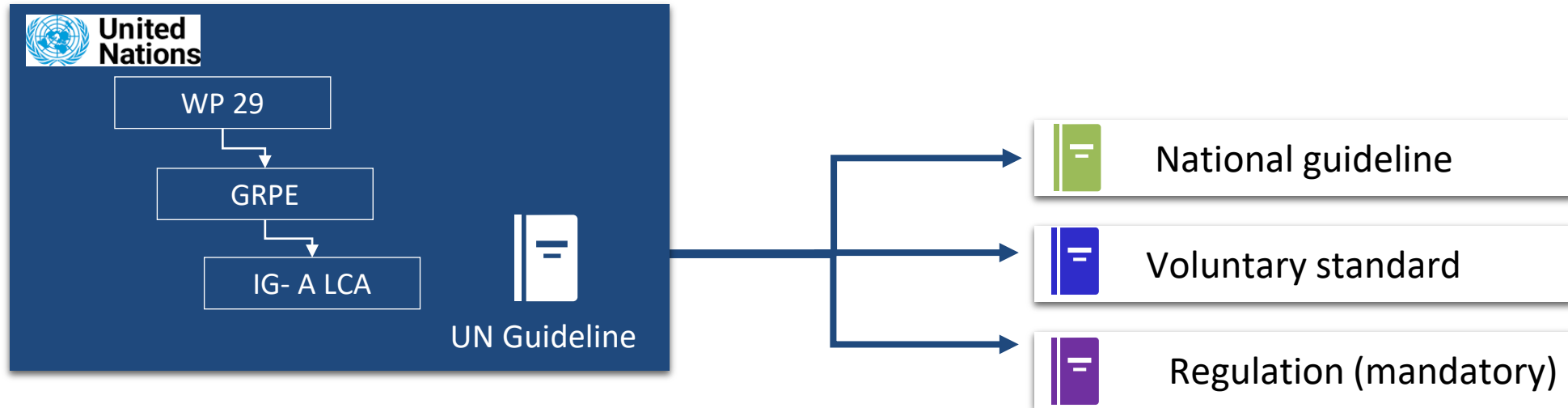
- Catena-X Automotive Network Rulebook
- MATERIAL DATA SYSTEM
- GBA GHG Rulebook
- wbcsd A-PACT Guidance

- **Multiple LCA methodologies** with different scopes and technical levels are today available, no automotive regulation on LCA (except EU battery)
- **A worldwide harmonization is required to communicate the values on carbon footprint first**
- **Stellantis & Renault Group are involved via OICA in the Informal Working Group UNECE**



UNECE IWG on Automotive LCA :

Potential outcome:



WP: Work Package **GRPE:** Groupe Rapporteur Pollution et Energie **IG:** Informal Group

Stakeholders:

Contracting Parties:



Industry bodies :



NGOs & others:





Informal Working Group A – LCA

Lead : Japan, Korea  

SUBGROUP 1 : overarching aspects and coordination

Renault : E. Kobialka / M. Goy / S. Tripathy
Stellantis : S. Richet / J. Quartararo

SUBGROUP 2

Material Acquisition
Lead : Japan, China



Renault : E. Kobialka
Stellantis : S. Richet

SUBGROUP 3

Production
Lead : Korea, Clepa, OICA



Renault : E. Kobialka
Stellantis : S. Richet

SUBGROUP 4

Use phase
Lead : EU, AVERE, OICA



Renault : S. Tripathy
Stellantis : J. Quartararo

SUBGROUP 5

End of Life
Lead: Japan, China



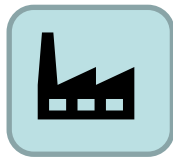
Renault: M. Goy
Stellantis : J. Quartararo

SUBGROUP 6 : Fuel and energy

Lead: AVERE 
Renault: M. Goy
Stellantis : /

SUBGROUP 7 : Drafting

Lead : 
W. COLEMAN (VW)



SG2



SG3



SG4 + SG6



SG5

$$CF = \frac{\text{Material (g CO2eq)} + \text{Part \& vehicle Production (gCO2eq)} + \text{Use phase (gCO2eq)} + \text{Eol (gCO2eq)}}{\text{Service Life (km)}}$$

❖ (Example) Level concept

Level #1	Simplified LCA : <u>Focus on fuel cycle</u> , and for vehicle cycle, <u>generic raw material classifications and parts/vehicle productions</u> according to the curb weight of the vehicle type, e.g. powertrain and fuel combination
Level #2	Targeted LCA : Focus on <u>vehicle OEM's direct manageable scope and using globally standardized secondary DB</u> for raw materials and major automobile parts reflecting vehicle OEM's own efforts
Level #3	Extended LCA : <u>Expansion of supply chain evaluation and application of regional secondary DB or primary data</u> which can reflect the efforts made in supply chain management
Level #4	Full LCA : Evaluation of CFP for <u>the entire value chains based on primary data</u>

Main principles : questions in progress



SG2



SG3



SG4 + SG6



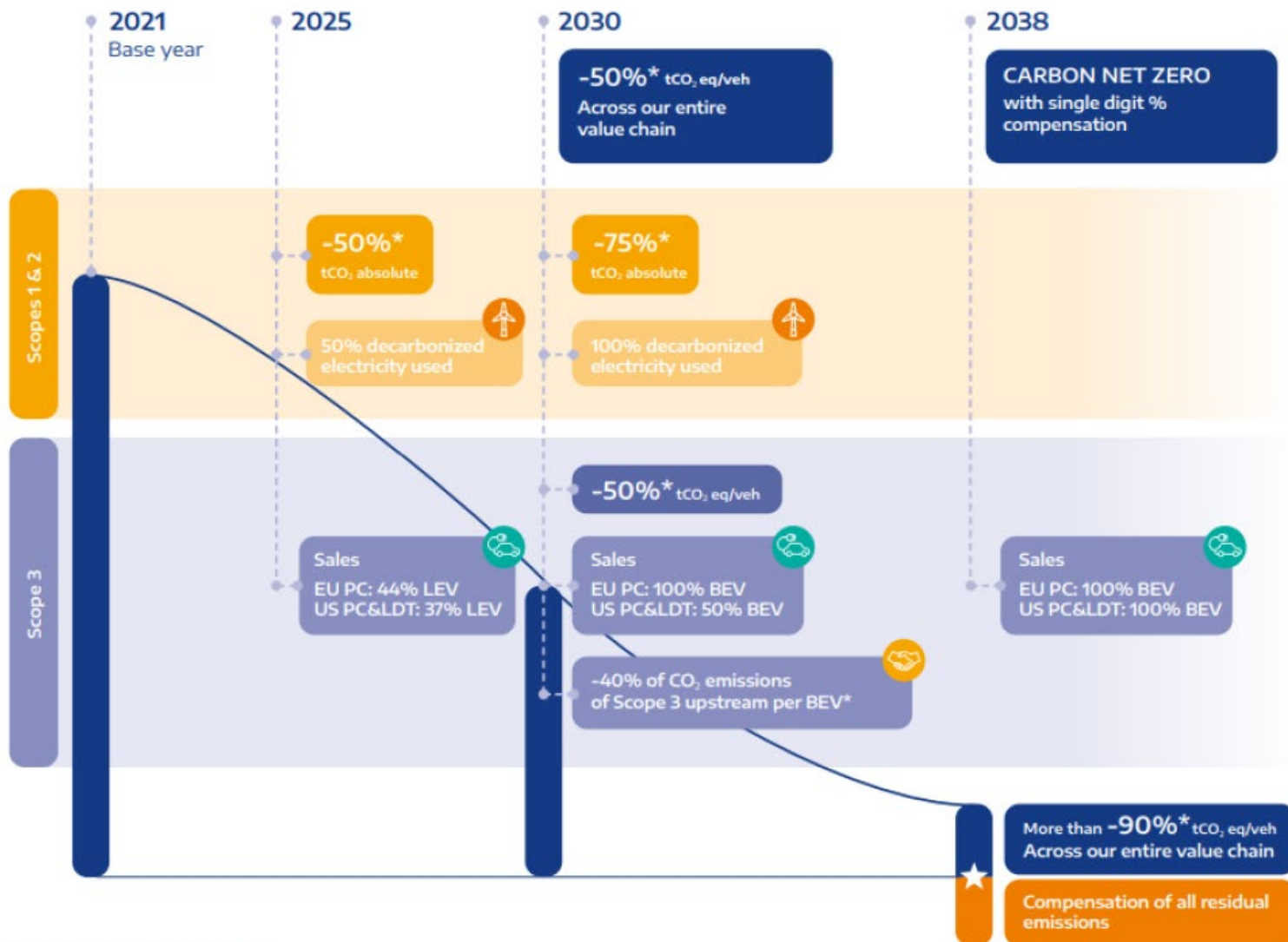
SG5

$$CF = \frac{\text{Material (g CO2eq)} + \text{Part \& vehicle Production (gCO2eq)} + \text{Use phase (gCO2eq)} + \text{Eol (gCO2eq)}}{\text{Service Life (km)}}$$

Topic	Definitions
Functional Unit	Vehicle definition, mileage / Service life, consumption data from homologation / real life, regions
System allocation	System allocation and system expansion
Data	Data collection, use of Primary data, definition of secondary databases
Energy	Dynamic or static modelling, energy conversion
End of life	Cut off or CFF approach

Stellantis Decarbonization Strategy

STELLANTIS CARBON NET-ZERO ROADMAP



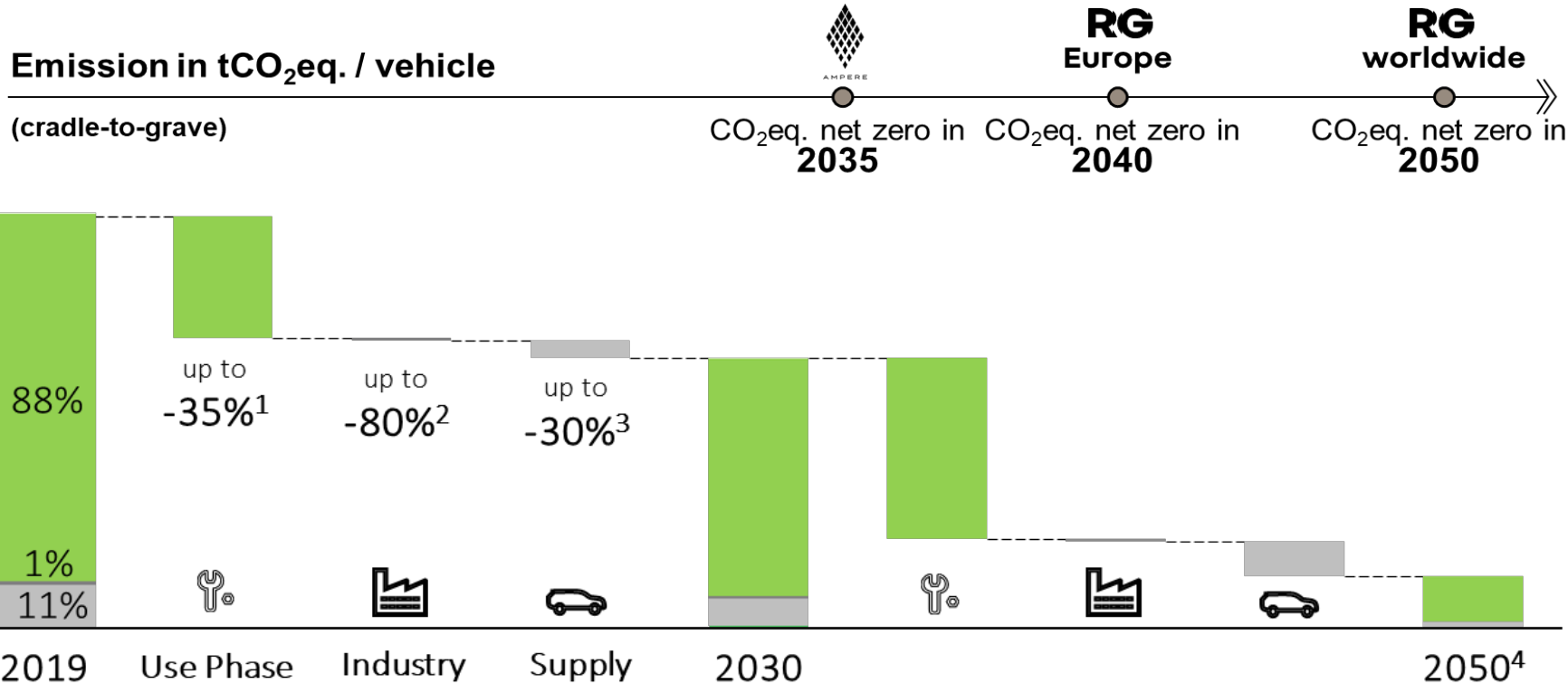
* Reduction vs 2021 base year

Stellantis action plan on Carbon Footprint for Scope 3 upstream :

- Targets defined for vehicles
- Data collection implemented for prioritized parts
- Included in RFQ and mandatory in sourcing table
- Webinars organized for suppliers

Renault Group Decarbonization Strategy

Based on Paris climate target and our latest Renault strategy, Renault Group has set itself the goal of being CO2 neutral as a company in balance sheet terms by 2050



RENAULT GROUP action plan on Carbon Footprint for Scope 3 upstream :

- CO2eq Targets defined for new vehicles projects
- Data collection implemented for prioritized parts
- CFP Reporting Included in RFQ and mandatory in sourcing table
- Webinars for suppliers to come

Notes : ¹- 65% on Europe ²net zero industry in Europe in 2030

³-30% kg CO2es/kg material & -35% for battery

⁴ Net zero achieved though emission compensation actions (single digit)

Carbon Footprint Reporting in RFQ for Suppliers

- Both company are asking for CO2 reporting in their RFQ for main parts and components
- Guidelines recommended by PFA are already available
- CO2 Trainings sessions are also possible

Data Collection :

- Excel File for the moment, with the same data documentation asked
- Development in progress in IMDS for Carbon Footprint data collection based on CATENA X rulebook
- CATENA X proposes also data format for carbon Footprint data exchange.



Methodological Guidelines

AVAILABLE



Emission Factors database

AVAILABLE



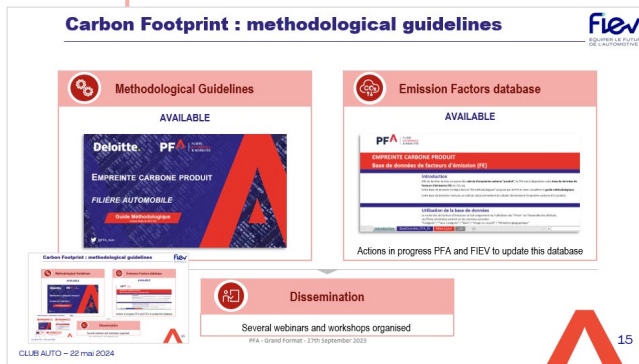
Actions in progress PFA and FIEV to update this database



Dissemination

Several webinars and workshops organised

PFA - Grand Format - 27th September 2023



La filière automobile se mobilise face aux nouveaux défis de l'empreinte carbone



Table Ronde : La filière automobile se mobilise face aux nouveaux défis de l'empreinte carbone

**CLUB
AUTO**
by Fiev



David PANTALÉ
Carbon Reduction
JEO Project
Manager
Jtekt

Thierry PARAYRE
Opérations
Industrielles et
techniques
Fiev



**Andreas
CHOCHOD**
Purchasing &
Sustainability
Director
Sneci



Pierre MULIN
Group
Sustainability
Manager
Valeo



Adèle VERRAT
Innovation &
sustainability
sourcing
Manager
**Saint Gobain
Sekurit**



Clôture

Stanislas BAILLY

CEO de SNECI

Membre du Comité directeur de la FIEV

Merci



FIEV



@la_fiev



FIEV-TV

Pour toute question supplémentaire contacter thierry.parayre@fiev.fr

Ouverture



Thierry PARAYRE

**Opérations Industrielles et techniques
de la FIEV**