

The Real Urban Emissions (TRUE) Initiative City Symposium

London, june 2018
Hervé Levifve – City of Paris

Office of Christophe Najdovski,
deputy mayor in charge of mobility

Paris and his region

Ile-de France Region:

11 millions inhabitants, 12 000km²,

Paris metropolitan area

9.6 millions inhabitants, 2600 km²,

4.5 millions of cars, 600 000 light goods vehicles

128 millions de km per day,

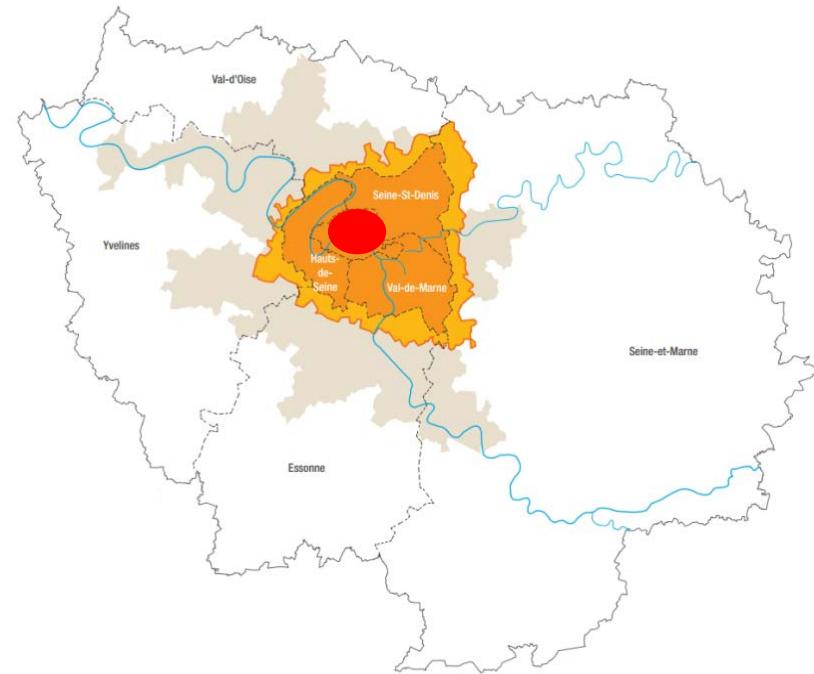
800 km of motorway

City of Paris

2.2 millions inhabitants,

105 km² (20 000 inhabitants/km²)

1,7 millions of jobs



At the regional level, each day, 41 millions of individual travels

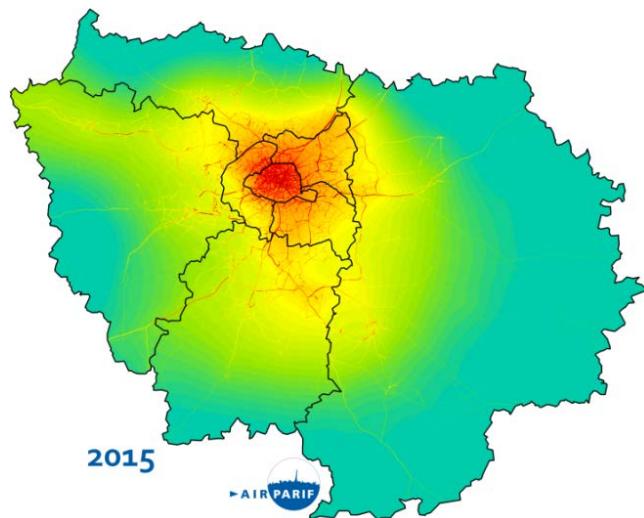
In Paris :

Cars : 21% in 2001, 13% in 2010

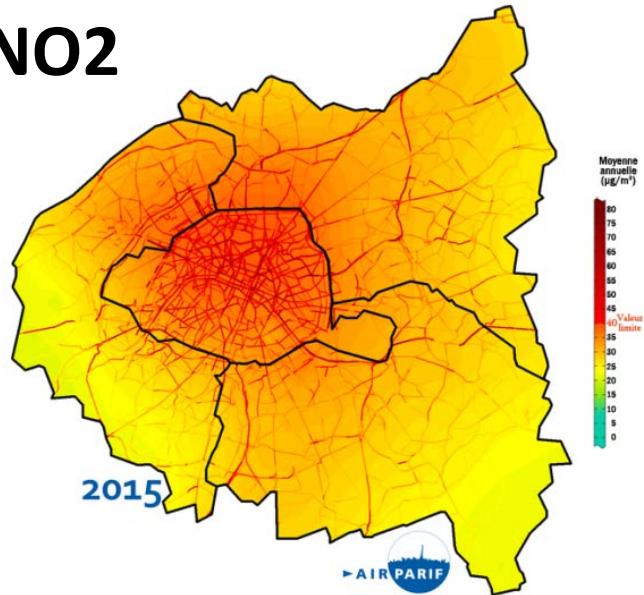
- 8 M of travels Paris – Paris
- 3,1 M of travel metropolitan area – Paris
- 1,5 M of travels region - Paris

Environmental context

- **NO₂**: 1,6 million inhabitants
= 1 Parisian over 2
> 40µg/m³
- **PM₁₀** : 300 000 inhabitants
> 35 days above 50µg/m³
- **PM_{2,5}** : 11,5 million inhabitants
= 95% of the region
> 10µg/m³ from WHO
- **O₃** : health protection threshold exceeded in the whole region, every year
> 120 µg/m³, 8h average



NO₂



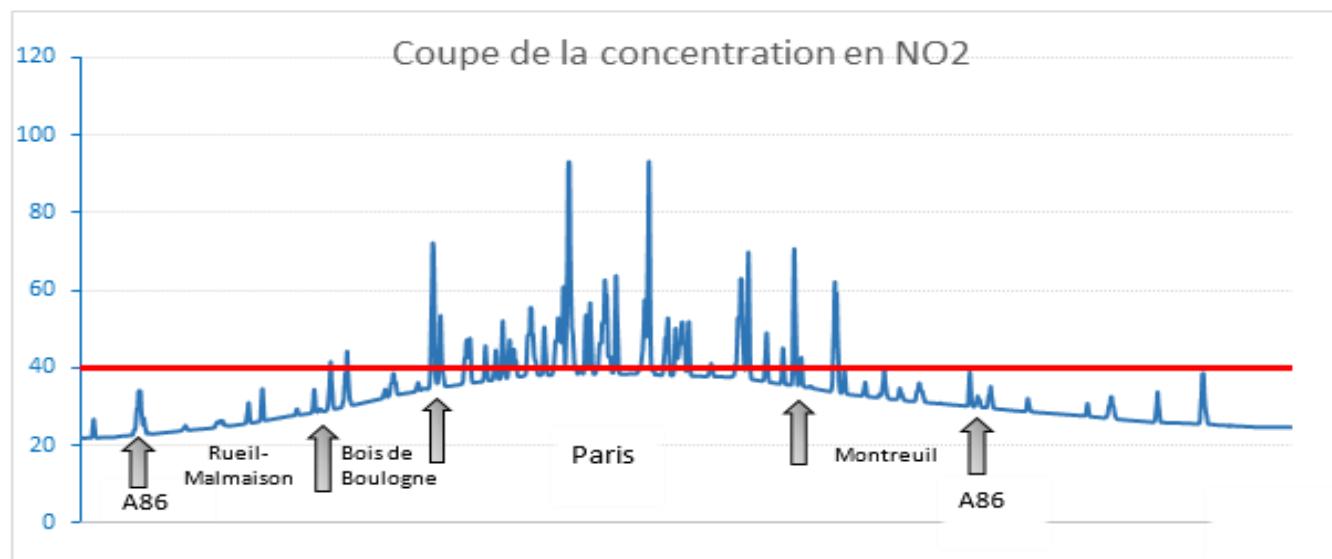
Action is needed in densely built-up areas

- Illustration with a line drawn from West to East across the metropolitan area



PARIS - 2015
NOx emission
►Road traffic : 74%
►Heating : 15%

PM emission
►Road traffic : 42%
►Heating : 42%



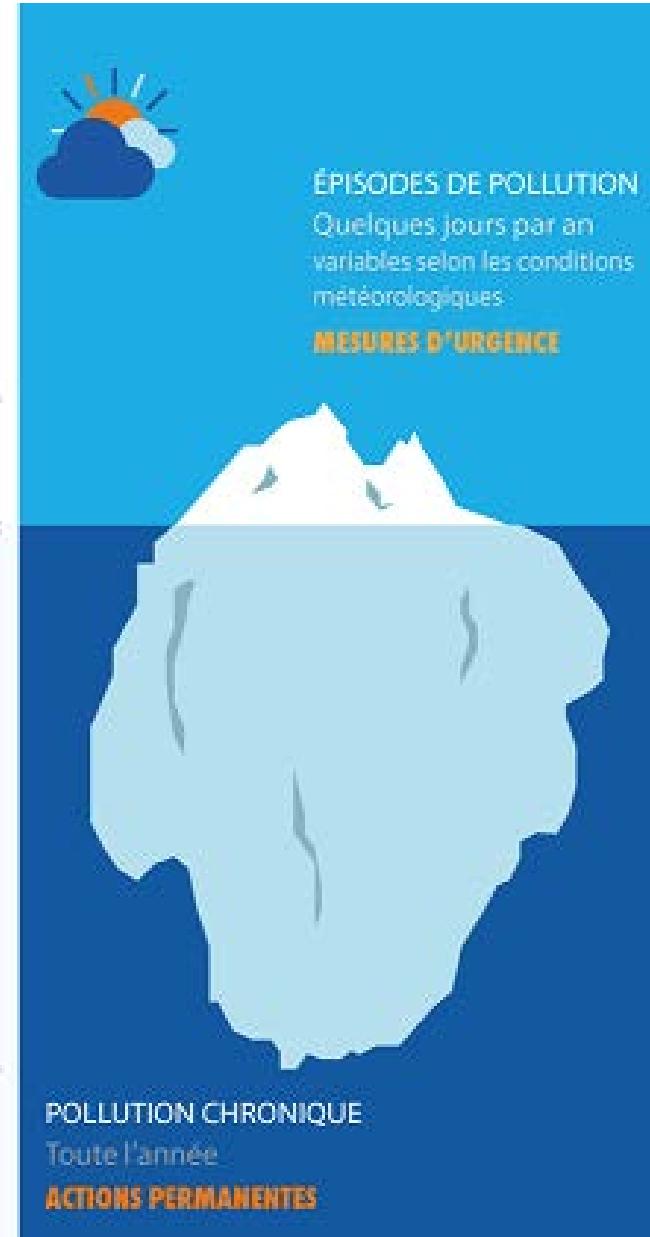
Pollution mitigation

1. Peak period: emergency action

1. Information measures
2. Alert measures

2. Daily pollution : how to reduce emission due to transportation?

- LEZ : restrictions for most pollutant vehicle
- Mileage reduction : more public transport, more space for cyclist, pedestrians, less space for cars



Air Pollution : Actions

Low Emission Zone

Since january 2017

Clean Bus Plan for 2025

Transport operator RATP

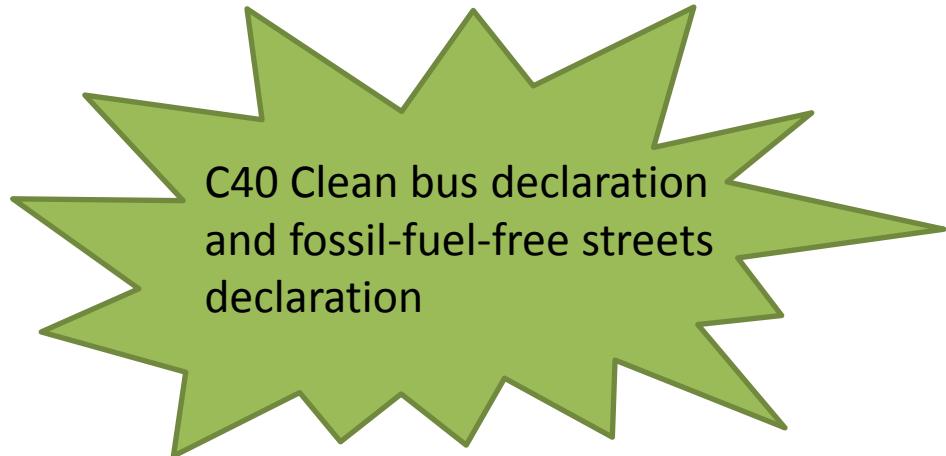
Cycling Plan 2015-2020

Urban projets

Pedestrianization of the Seine river bank, urban projets on renewing several Parisian squares, pedestrianization of quarters or streets for the week-end...

Paris exemplary

No new diesel car bought by the city since 2014. Global reduction of the fleet. The fleet will be without any diesel vehicle by 2020.



A recent national framework for LEZ

French law, voted in august 2015, has created low emission zone in french legislation.

It's a mayor policy power.

LEZ can be implemented after a public consultation (impact evaluation, benefits)

Identification is based on stickers : Crit'Air

(Vignette instaurée par décret du 23 juin 2016)

<https://www.certificat-air.gouv.fr/>

cost: 4,18€



PARIS Low Emission Zone

		HGVs Buses & Coaches	CARS LGVs	Two Wheels
		7j/7 -- 8am to 8 pm	Monday to Friday --- 8am to 8pm	
Sept - 2015	No sticker	< Euro 3 <Sept 2001		
July - 2016	No sticker	< Euro 3 <Sept 2001	< Euro 2 cars<janv 1997 & LGV<oct 1997	< Euro 1 < juin 2000
July - 2017		< Euro 4 <Sept 2006	< Euro 3 diesel diesel < janv 2001	< Euro 1 < juin 2000
April - 2019		< Euro 5 <Sept 2009	< Euro 4 diesel diesel < janv 2006	< Euro 1 < juin 2004
2022		< Euro 6 <Sept 2014	< Euro 5 diesel & < Euro 4 petrol diesel < janv 2011 & petrol <janv 2006	< Euro 3 < janvier 2007
2024		all diesel	all diesel & < Euro 5 petrol < janv 2011 petrol	< Euro 4 < juin 2017

Urban projects : some examples

Pedestrianization of the river banks of the Seine

Pedestrianization of the left river bank of the Seine in 2012.

Pedestrianization of the right river bank of the Seine in july 2016 (3,3 km), creating a new park in the center of the city (« Parc Rives de Seine », « River of the Seine Park »).



Urban projects : some examples

Parisian squares

Projects on seven central parisian squares : Nation, Bastille, Panthéon, Madeleine, place d'Italie, place des Fêtes, place Gambetta.

The objectiv is to rebalance public space towards pedestrians and cyclists, to vegetalise, to test new urban furniture...

**Place de
la Bastille**



**Place de
la Bastille**

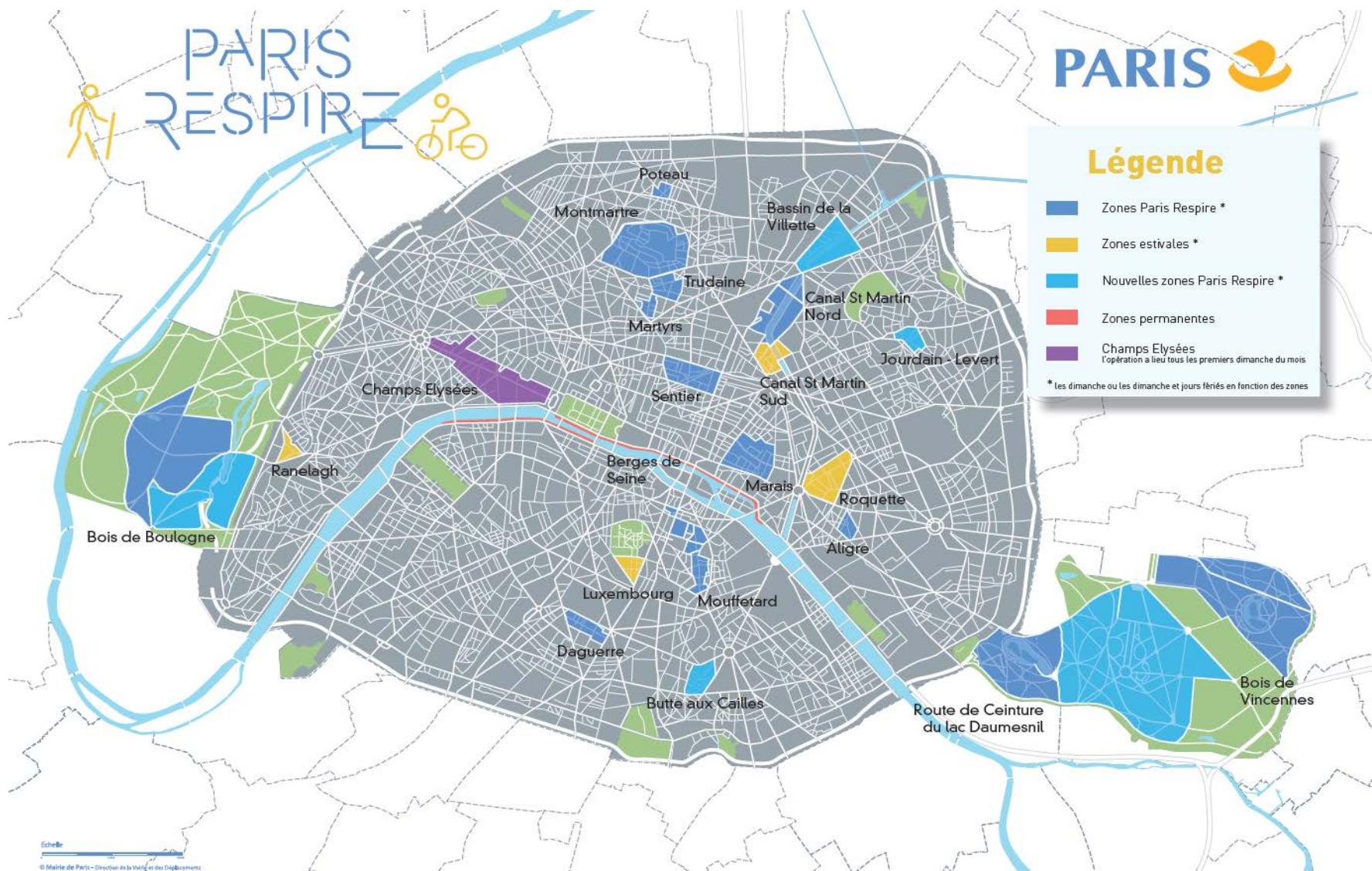


Urban projects : permanent pedestrianization



Urban projects : temporary pedestrianization

Paris Respire each week



Urban projects : temporary pedestrianization

Car free Champs Élysées each month



Urban projects : temporary pedestrianization

Annual car free Day

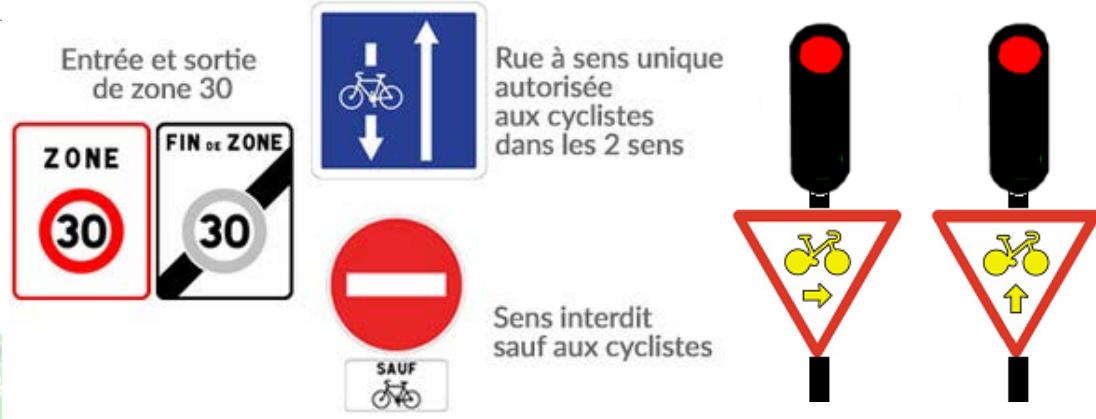
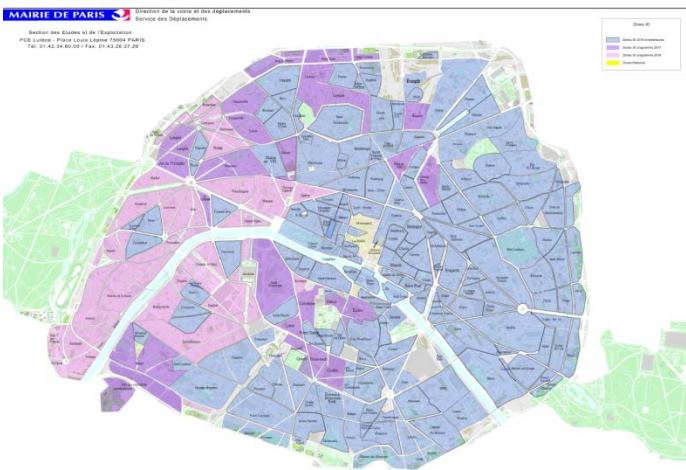


An ambitious Cycle Plan 2014 - 2020

- Double the total length of bicycle lanes (from 700km to 1.400km)
- Create a cycling express network to cross Paris from N. to S. and from E. to W.
- Resorbing urban cuts (river Seine, railways, ring road..)
- Offering a cycling continuity between Paris/closed suburb (Paris's gateways)



An ambitious Cycle Plan 2014 - 2020



Our challenge :

Gaining public acceptance for
restricting car use

Despite air quality issues are shared across the world by large cities, despite alarming press release

60

Compiégnois. Cinq ans après, les Conti pèsent toujours leurs plaies

Le Parisien

Respirer tue



Bien sûr, l'air, c'est la vie ! Mais quand il se charge de particules nocives, il met aussi en péril notre santé. Une ONG porte plainte contre X pour mise en danger d'autrui.



BBC News

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Paris Mayor Anne Hidalgo calls for ban on diesel cars by 2020

07 December 2014 | Europe

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IT'S A BIGGER RISK THAN YOU THINK. MORE THAN 8X AS MANY PEOPLE DIE FROM AIR POLLUTION EACH YEAR THAN FROM MALARIA, AND MORE THAN 4X AS MANY DIE FROM AIR POLLUTION THAN FROM HIV/AIDS.



Air pollution will kill 200,000 people in the UK in the next five years

07 APRIL 2014 | 08:00 AM | 0 COMMENTS

An Greenpeace stage protest in London, to reveal that 16 regions around the UK where levels of pollution are on the increase

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Air pollution among top 10 health risks: largest study

Pollution has emerged as a major health risk in developing countries, the study says

in India | Vidyut Krishnan

Published: Fri, Dec 14 2012, 11:06 PM IST

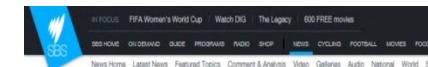


It's the first time that a global study has placed air pollution among the top 10 global health risks. Photo: Hindustan Times



Milan local government bans traffic from city due to poor air quality

Daytime ban on all vehicles in place until Wednesday alongside other measures across Italy to reduce air pollution



14 MAR 2014 5:29PM
Indonesian airport closed due to air pollution



THE INDEPENDENT FRIDAY 19 JUNE 2015



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LIFE > Health & Families > Health News

Air pollution linked to one in 12 deaths in London – and it takes six months off the average Briton's life expectancy



Report finds pollutants linked to one in 12 deaths in parts of London every year

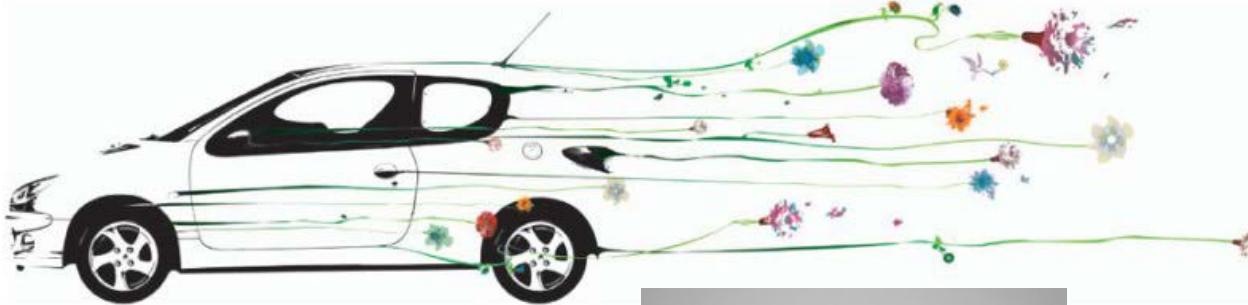
International Business Times

China Air Pollution: Smog Blankets Beijing, Shanghai Day After Christmas

07 APRIL 2014 11:22 AM 15 AT 1:46 AM



It is still difficult to get public acceptance that fossil engine contribute to pollution....



FREELANDER MAGELLAN®.
TROUVEZ LE CHEMIN, MÊME S'Y N'Y EN A PAS.

MAGELLAN
UNE NOUVELLE VOIE

FREELANDER MAGELLAN® à partir de 25 900 €⁰⁰
Grâce à son équipement très complet et son GPS sur toute Magellan® RoadMate™ 8000,
surface de 2 000 € à 2 200 € d'avantage d'équipement.
Cartographie Europe intégrée 27 pays
• GPS intégré couleur
• Guide vocal
• Batterie Li-ion intégrée

Imaginez un nouvel horizon

LAND ROVER

www.landrover.fr

This advertisement for the Land Rover Freelander Magellan model features a silhouette of a person standing on a grassy cliff edge, looking out at a waterfall. The car, a silver Freelander, is parked nearby. The headline "FREELANDER MAGELLAN®. Trouvez le chemin, même s'y n'y en a pas." (Find the way, even if there's no way) is displayed above the car. The bottom section contains detailed information about the vehicle's navigation system and its starting price of 25,900 euros.

PROTÉGEZ L'ENVIRONNEMENT ET ALLÉGEZ VOTRE FACTURE

BÉNÉFICIEZ DE 3% DE REMISE FISCALE SUR LYPSILON EXCELSIOR

Lancia contribue à la protection de l'environnement : avec l'achat d'un modèle de la gamme Lancia, vous participez au financement de projets de préservation de l'environnement dans le monde entier. Lancia investit dans des initiatives DNF (Développement durable et lutte contre les changements climatiques). Lancia offre également une gamme large de véhicules DNF avec moins de 115g/kg de CO₂, ce qui vous permet de faire votre contribution à la protection de l'environnement. Ces véhicules sont équipés de technologies de pointe pour réduire les émissions de CO₂ : économies de 10% à 15% par rapport au seuil de référence (émissions de CO₂ maximales autorisées).

Ypsilon Lancia

www.lancia.be

Grande VOLKSWAGEN France s.a. - 8, rue Sébastien B 602 025 528 - M.

www.volkswagen.com

This advertisement for the Peugeot Ypsilon Lancia model features a blue Ypsilon driving up a grassy hillside under a cloudy sky. The headline "PROTÉGEZ L'ENVIRONNEMENT ET ALLÉGEZ VOTRE FACTURE" (Protect the environment and lighten your bill) is at the top. Below it, text discusses Lancia's environmental commitment and the availability of low-emission vehicles. Logos for Ypsilon and Lancia are present, along with the Peugeot lion.



What we expect from TRUE?

- 1- Increasing public awarness**
- 2 - Providing independant et truthful information about urban vehicle emissions**
- 3 - Participating to a worldwide initiative**

The background image shows a panoramic view of the Paris skyline from a high vantage point. The Seine River curves through the city, with several bridges visible. In the distance, the Eiffel Tower stands prominently. The city is filled with a mix of historic and modern architecture, including numerous church spires and a cluster of skyscrapers in the La Défense area. The sky is filled with dramatic, dark clouds.

Thank you for your attention