



Bonjour, les amis!



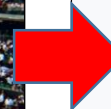
Unwrapping the Transformation of Paris as a Smart City

From Napoleon III to the 2024 Olympic Games

IEEE

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Welcome to a World of Smart Cities And What's That?



What is a Smart City? Six Domains



Paris, mid-19th Century



The Rue des Marmousets, one of the narrow and dark medieval streets on the Île de la Cité, in the 1850s



Les Misérables by Victor Hugo portrays harsh life of young Parisian Cosette.

Cosette by [Emile Bayard](#), from the original edition of *Les Misérables* (1862)

Tracking the Evolution of Paris as a Smart City

Grand Re-Design: Napoleon III and Baron Haussmann

- Provide clean air, space, light, water and views of the city landmarks
- Improve traffic circulation:
Radial Layout of Paris Streets
- New Boulevards, Parks, Buildings and Public Works
- Emphasis on Enjoyment and Quality of Life
- Beautify the City



The Original “How to” - Evolution of Paris as a Smart City

- Enlarged city limits 12 + 8 = 20 arrondissements
- Urban planning
- Standards and codes
- Distinctive appearance
- Directed planning
- Preserved core identity



Incorporating Nature, a Human-Centered Approach

Social Psychology in the built environment

Encourages interactions, facilitates relationships, healthy living by walking, cycling

Hausmann's major parks at cardinal points:

- Bois de Boulogne, west
- Bois de Vincennes, east
- Buttes-Chaumont, north
- Parc Montsouris, south



Le Parc Monceau, Paris 8, an Elegant Playground

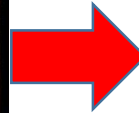


Bold Innovation: Opéra Garnier to the Opéra à la Bastille

Major monuments and building constructed



Palais Garnier, Grand Escalier, 1875, Paris 9

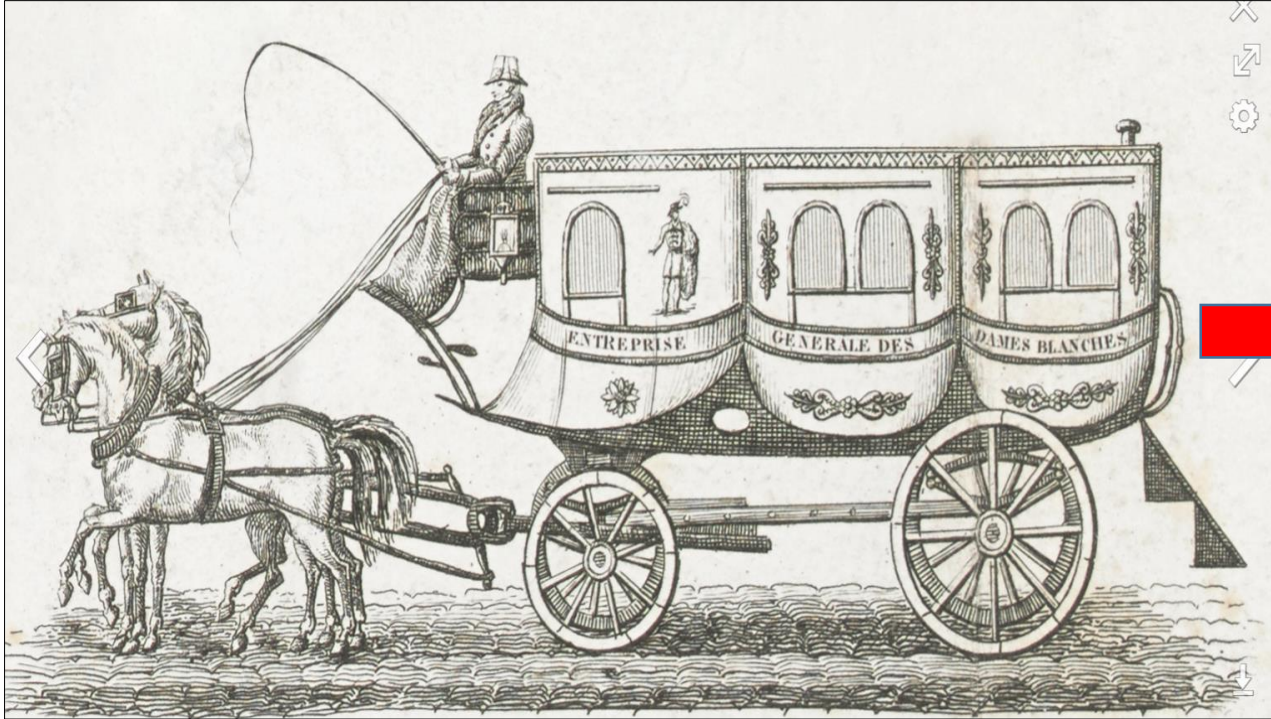


Opéra de la Bastille, Exterior, 1989, Paris, 12

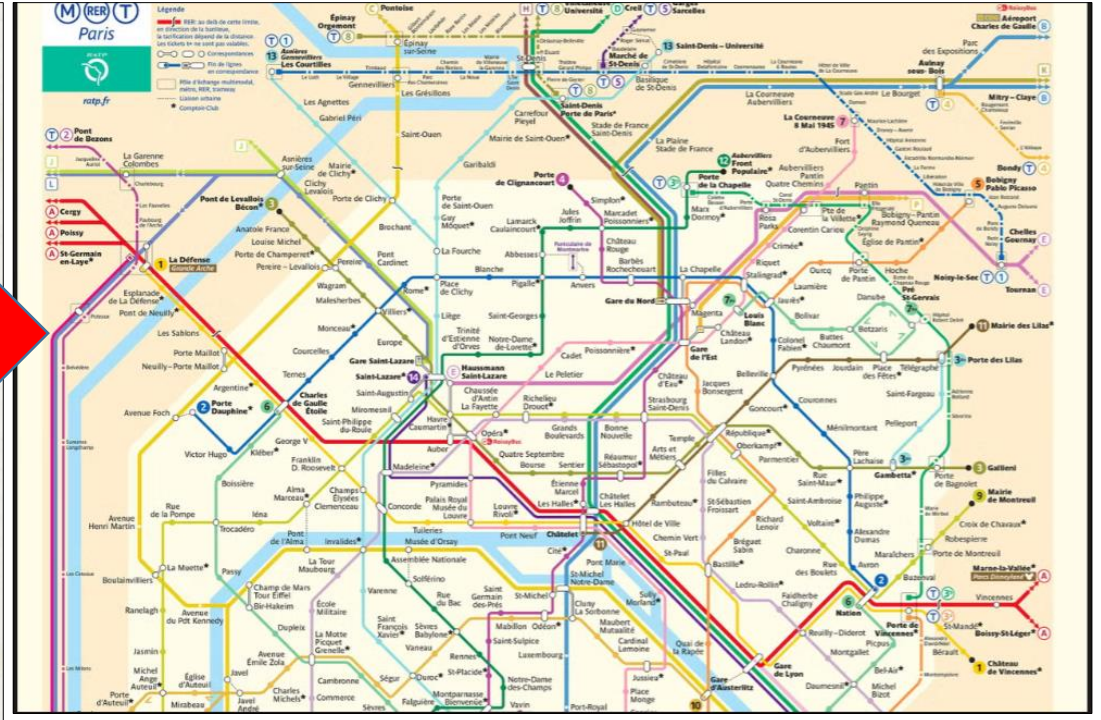
Garnier Ceiling Embellished with Chagall; Heritage Preserved



Getting Around: Always a Priority



A Paris omnibus in 1828, an early transportation network



Paris Metro – cheapest, fastest way to get around Paris, 1900-1920

Would You Commute by CABLE CAR?



Courtesy Île-de-France Mobilité

A rendering of Cable 1, a proposed new cable car system set to open in Paris by 2025.

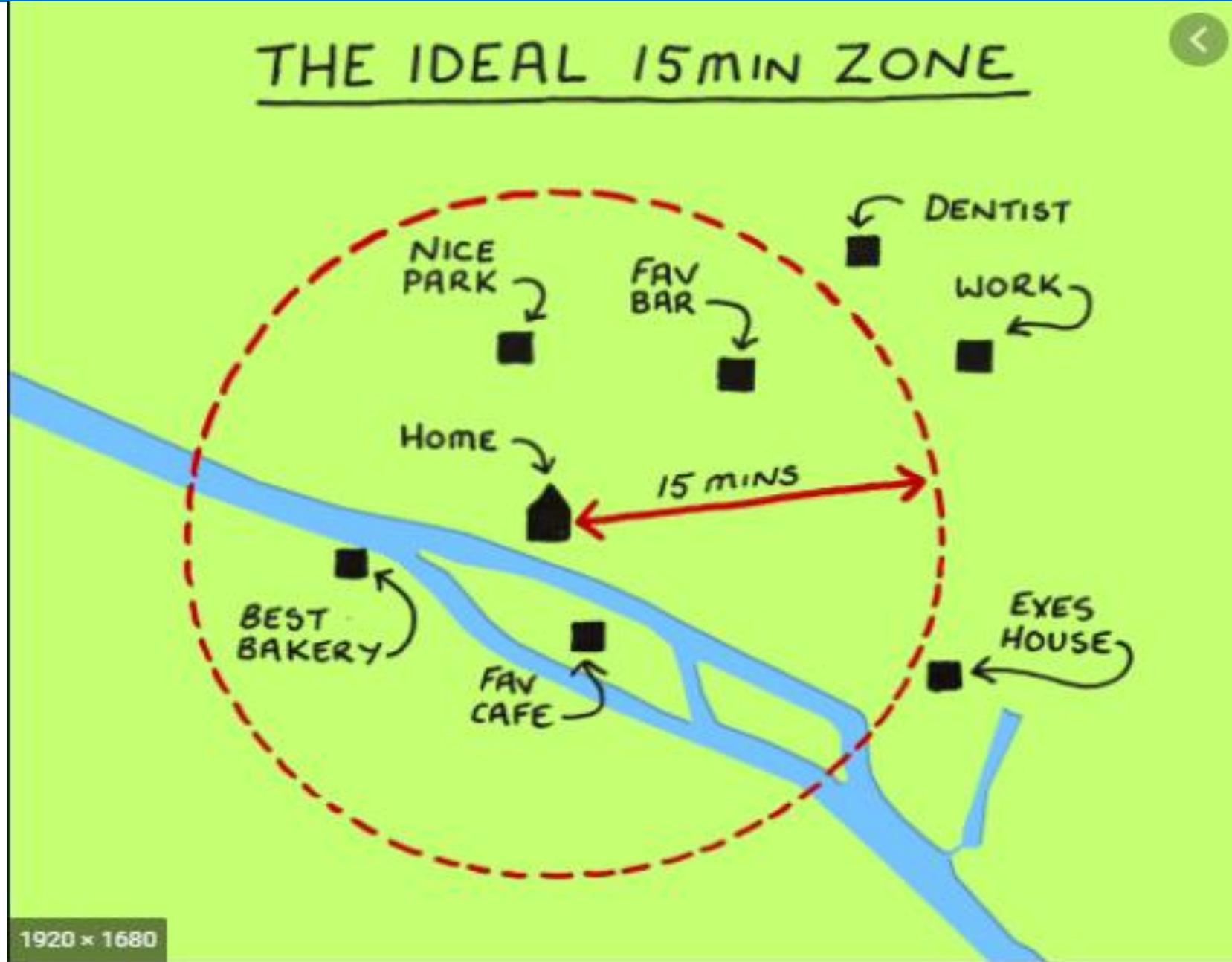
Paris, Anywhere in 15 Minutes

Pros

Reduced traffic, pollution
Convenience

Cons

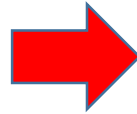
Logistics
Integration w/Public Transport



Iterative Progress Towards a Smart City Ideal

Mayor Anne Hidalgo:

- A bike path on every street
- Removed 60K parking spaces
- No cars on Sunday along the Seine
- Lockdown: Added 50 km more bike paths
- Multiple-use for public buildings
- Integration of bike paths, metro, buses, and car-free zones
- Green mobility



- ***Sustainability***
- ***Transportation***
- ***Economic Vitality***
- ***Resiliency***
- ***Tech Innovation***
- ***People-Centered + Inclusive***
- ***Neighborhood interactions***
- ***National Pride - "l'amour des lieux"***
- ***Jane Jacobs, not Robert Moses***

Cycling Infrastructure for a Smart Paris

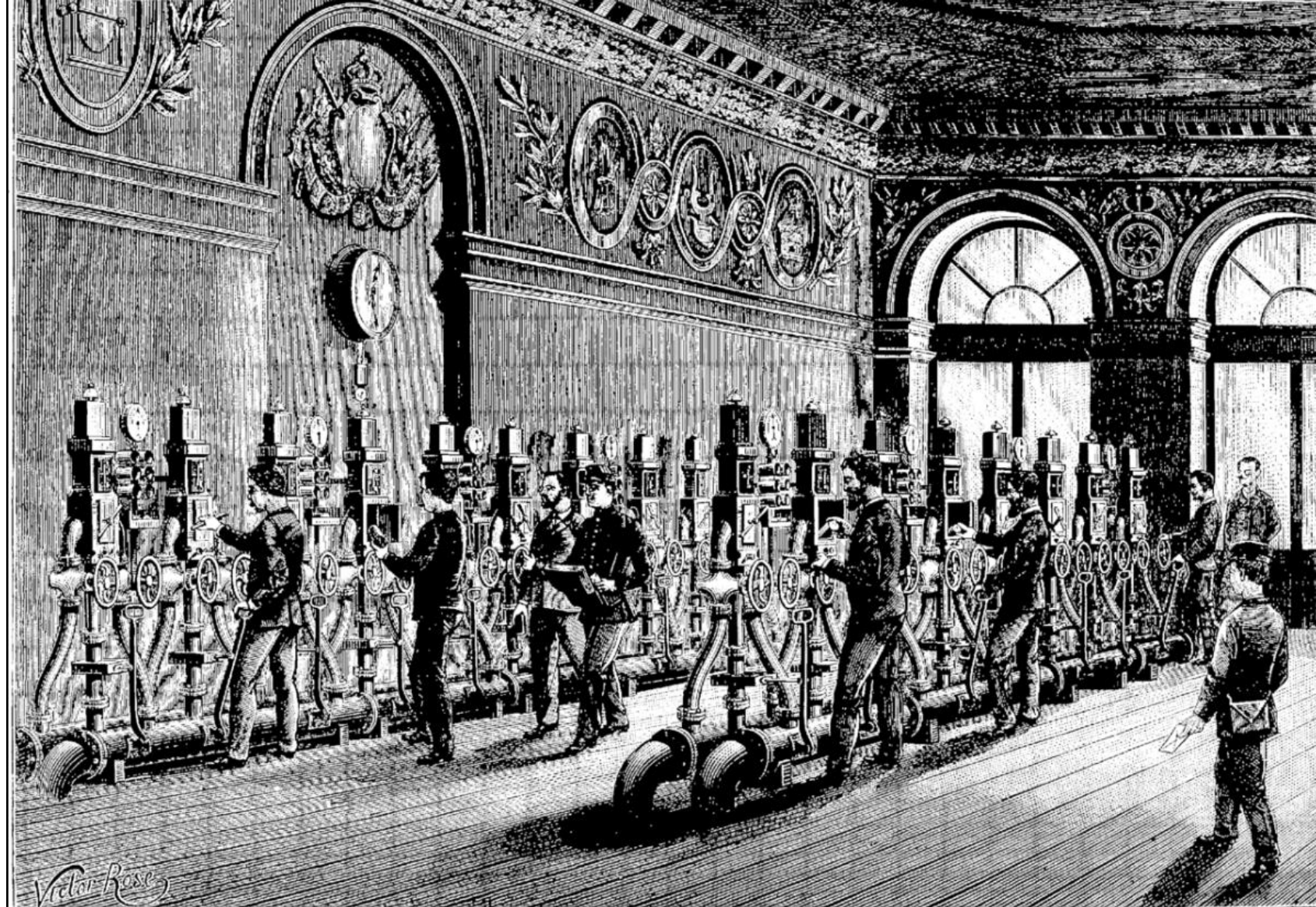


Showcasing Technology Innovations

Communications: “la Poste Pneumatique” 1866 – 1984



Carte pneumatique envoyée du Grand Hôtel en 1903.



Pioneering Tech - Continuous Evolution as a Smart City

Telecommunications prior to the WWW: Minitel, Videotext (1980 – 2012)

- Make online purchases
- Make train reservations
- Check stock prices
- Search the telephone directory
- Have a mail box
- Chat
- Message boards
- Information services
- Databases



Integrating Effect of “*Son et Lumière*” - Immersive Sound and Light Shows



The City of Light, Ville Lumière



People, Heritage and National Pride



Paris: the Perfect Venue for the 2024 Olympic Games

Jeux Olympiques and Paraolympiques: de Paris 2024: 26 July au 11 August 2024



Paris, the Perfect Hostess: Tradition, Facilities, Infrastructure

@jeuxolympiques *free admission* for many spectators

Paris 2024 Olympic Games by the numbers

- **Billions** of television viewers worldwide
- **350,000** hours of TV broadcast
- **millions** of spectators
- **41** venues
- **10,500** athletes
- **20,000** accredited journalists
- **31,500** volunteers
- **+600,000** meals served at the Athletes' Village every day
- **The XXXIII Olympiad**
- **26 July to 11 August 2024**
- **19 days of competition** (*handball, football and rugby take place from July 24th*)
- **329 events**
- **28 sports + (including 4 additional sports)**
- **206 National Olympic Committees**
- **758 sessions**

Electric Air Taxis Planned for the 2024 Paris Olympics



Opening Ceremonies Like No Other – Seine River



Showcases Existing Infrastructure, Monuments, Smart City Features



Le Off des Jeux à Paris



SITES DE FESTIVITÉS
VILLE DE PARIS

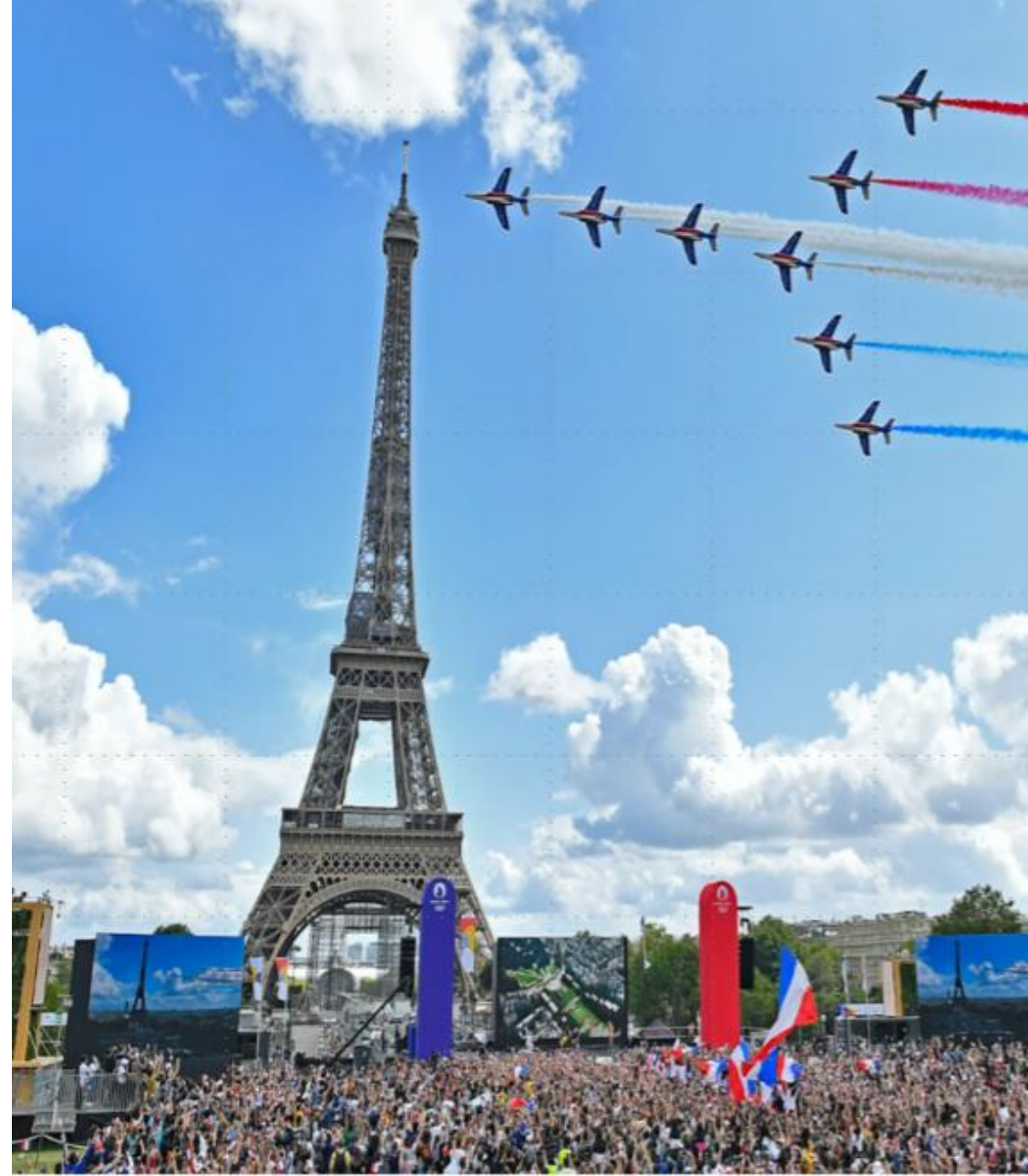
SITES DE COMPÉTITION
SITE DE FESTIVITÉS PARIS 2024

Closing Ceremonies – Stade de France



Why Paris is a Great Choice for the 2024 Summer Olympics

- 1. Historical Significance, Iconic Landmarks**
- 2. World-Class Infrastructure**
- 3. Cultural Diversity and Hospitality**
- 4. Commitment to Sustainability**
- 5. Athletic Legacy and Sporting Facilities**



“Paris is always a good idea,” per Audrey Hepburn



Thank you!

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