The initiative France BOIS 2024
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A sectorial approach

- **1st phase: feasibility study, technical reports and recommendations to enhance the use of wood and wood-based materials**: Solideo, Paris 2024 (Committee for the Olympic Games), CG93, MGP, City of Paris, ESS 2024...

- **2nd phase: communication et accompanying stakeholders**: informing and mobilising the wood-based companies (*Meetings, webinars, webpage, newsletters*, [www.francebois2024.com](http://www.francebois2024.com))

- **3rd phase education and training**: tailor-made training to address properly the needs for the Olympic Games objectives

  *Diagnostics, documents (guides PAC EXE), communication on special training and education, raising awareness*
The French lower-carbon commitment

The Olympic Games committed to the Paris Agreement:

- 30 % less CO2 emissions compared to London 2012
- 50 % less CO2 emissions for buildings and constructions
The winners of the Olympic Village

**Sites A and B in Saint Denis**: land owned by Vinci group.

- 115,000m², including 10,000m² of industrial halls rehabilitated into offices; 65,000m² of new housing and 40,000m² of offices.

All new buildings will have **wooden facades**; buildings smaller than **28m** will have **a wooden structure** with a concrete core.

**Site C on Île-Saint-Denis (47,000 m² SDP)**: (winner selected by the Community Council): the Pichet-Legendre Gipen-Ossabois group, with wooden structures and / or wooden facades depending on the typologies and location of the buildings on this island.

**Site D in Saint-Ouen (50,000 m² SDP)**: (winner selected by Solideo): consortium led by Icade, a subsidiary of Caisse des Dépôts (mutual savings bank), with uapS as architect-coordinator, REI Habitat and the Mathis company.

The wood elements announced are columns, facades, wooden floors for dwellings below 28 m and wooden facades above 28 m.

**Site E in Saint-Ouen (56,000 m² SDP)**: winner selected by Solideo: the alliance between developer Nexity and Eiffage, with two coordinating architects: Koz and CoBe, accompanied by operations architects and the company Simonin.

Buildings of less than 28m will have wooden facades, with a wooden structure and concrete floors. The project will use 100% French wood.
## Volumes of wood

21 300 m³ on the Solideo scope:
- Vinci 12 725 m³ in full wood
- Eiffage 3 300 m³ for the structure + 22 300 m² in facades (= 3 750 m³ environ)
- Icade 4 000 m³ for the structure + 13 200 m² wooden floors
- Ile Saint Denis : Pichet 9 215 m³ for the structure (including 2000 m³ variations) + 10 000 m² in facades

### Table: Volumes of wood on the Solideo scope

<table>
<thead>
<tr>
<th>Secteur</th>
<th>Surface de plancher</th>
<th>Proportion de bois en structure pour les bâtiments &lt;28m (%)</th>
<th>Proportion de bois en façade pour l'ensemble des bâtiments (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lots A et B</td>
<td>114 714 m³</td>
<td>42</td>
<td>30</td>
</tr>
<tr>
<td>Lot C</td>
<td>45 394 m³</td>
<td>17</td>
<td>32</td>
</tr>
<tr>
<td>Lot D</td>
<td>50 953 m³</td>
<td>19</td>
<td>58</td>
</tr>
<tr>
<td>Lot E</td>
<td>58 988 m³</td>
<td>22</td>
<td>100</td>
</tr>
<tr>
<td>VOP</td>
<td>270 049 m³</td>
<td>100</td>
<td>50,91</td>
</tr>
</tbody>
</table>

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![Map of France BOIS 2024](image)
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Location of the athletes and media villages

Village des médias 90 000 m²

Village olympique 314 000 m²

Stade de France

Centre aquatique olympique
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Calendar
The village for the athletes (315,000m²)

- 50% wooden structures for buildings <28m
- 88% of wooden facades

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Arena 2
The selected group: Bouygues, Scau, NP2F, Mathis
- Capacity of 8000 seats
- 100 % wood frames
- Mixed wood-concrete floors
- 60 % of solid wooden facades
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The New Aquatic Centre

High priority project for the Olympic Games

175€ (including the pedestrian bridge crossing AutoRoute 1)

Flexibility to host between 6000 to 2500 places

Selected group: Bouygues, Agence 234, Mathis

Dimensions 30m x 106m x 114 m

Timber framed construction

Breaking-ground in summer 2021 finalising in 2023
Challenges and actions

- accompanying research and studies on the wood constructions
- changing habits with new standards and regulations
- applying the dynamic LCA method
- increase the market share for wood and wood-based materials. Competitive pricing
- Science and Innovations
- Communication → fight fake-news!
The Grand Palais Ephémère in the heart of Paris!
French Pavilion at the EXPO 2015
Pedestrian bridge in Paris

Claude Bernard
Thank you very much for your attention!

See you in Paris

Georges-Henri Florentin